

Diamond Drilling

Township OF NICOLET (Former Twp. 28 R.13)

Report No. 13

Work performed by: TRIBAG MINING

Claim No.	Hole No.	<b>Footage</b>	Date Note
SSM.62207	N-19	805	Sept/62
	N-20	726*	Sept/62
	EB-11	546.81	Nov/63
SSM,61131	N-56	509*	Oct/62
	N-47	7291	Jan/67
	N-49	4291	Feb/67
	X-27	251	Sept/65
	x-28	251	Oct /65
	X-29	251	Oct /65
	X-30	102.51	Oct /65
SSM,61133	N~27	3271	Oct/62
	N-31	341.31	July/64
	N-40	4081	Nov/65
	N- 43	379.51	Nov/65
	X- 4	101'	Oct/63
	X 5	71'	Oct /63
	X~ 6	1571	Oct /63
	X~ 7	28+	Oct./63
	X-8	103	Oct/63
SUB- TOTAL	19 DH	5838.1	

POOR QUALITY ORIGINAL TO FOLLOW

## Diamond Drilling

Township of NICOLET (Former Tup, 28 R.13)

Report Nº: 33

Work performed by: Tribag Mining

Claim N9	: Hole N9	footage	Date	Note
SSM.62007	и-19√	805*	Sept/62	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	N-20 √	726!	Sept/62	
	EB-11	546.8*	Nov/63	
SSM 61131	N-26/	5091	0ct/62	
	N-47×	729'	Jan/67	
	N-49V	429*	Feb/67	
	X~27√	251	Sept/65	
	X-28 🗸	251	0ct/65	
	X-29 ~	25!	0ct/65	
	X-30 Y	102.51	0ct/65	
. SSM 61133	N-27 Y	327'	0ct/62	
	N-31 v	341.31	July/64	
	N-40 1	4081	Nov/65	
	N- 43 Z	379.51	Nov/65	
	X-4 ~	101'	0ct/63	
	X~5 ×	71' .	0ct/63	
	X-6 '	1571	0ct/63	
	X7 ×	28'	0ct/63	
	x-8 🗸		0ct/63	
- AWL DUMIT 650 TOV 9-72	Sugrem: 19 DH	<u> </u>		

Township OF NICOLET (Former Twp. 28 R.13)

Report No. 13

Work performed by:

Claim No.	llole No.	Footage	Date Note
SSM.61133	X~24	101.3'	July/65
SSM.62206	EB-2	687 <b>'</b>	Sept/63
	EB-5	510'	Oct/63
	EB-6	4851	Oct /63
	EB-8	500.71	Oct/63
	EB-9	498'	Nov/63
	EB-10	502,51	Nov/63
	EB-16	397.5'	Apr/64
	N-25	707 <b>'</b>	00t/62
SSM,62208	EB-31		Oct/63
	EB-4	689'	Oct/63
	EB-1		Oct/63
	EB-12	531.5'	Nov/63
	EB-13	533.71	Dec/63
	EB-14	4871	Apr/64
	EB-15	4791	Apr/64
	EB-17	546.51	Apr/64
	EB-18	570.31	Apr/64
SUB-TOTAL	37 DH	14064.]	

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

## Diamond Dritting

Township of NICOLIT (Former Twp. 28 R.13)

Report Nº: 13

#### Work performed by:

Claim Nº	; Hole Nº	Footage	Date	Note
SSM 61133	X-24	101.3'	July/65	
SSM 62206	EB-2	6871	Sept/63	
	EB- 5	510'	0ct/63	
•	EB-6	4851	0ct/63	
	EB-8	500.71	0ct/63	
	EB-9	498+	Nov/63	
	EB-10	502.5	Nov/63	
	EB-16	397,51	Apr/64	
	N-25	707'	0ct/62	
SSM 62208	EB-31		0ct/63	
	EB-4	689*	0ct/63	
	EB-1		0ct/63	
	EB-12	531,51	Nov/63	
	EB-13	533.71	Dec/63	
	EB-14	487*	Apr:/64	
	EB-15	479'	Apr/64	
·.	EB-17	546.51	Apr/64	
•	EB-18	570,31	Apr/64	
	SUB-TURL: 37 DH	14064.1		

Diamond Drilling

Township OF NICOLET

Report No. 13

(Former Twp. 28 R.13)

Work performed by:

Claim No.	Hole No.	Footage	Date	Note
SSM,62208	EB-19	558.31	Apr/64	
	EB-25	508	June/65	
	The company of the state of the	Specifical specificity of different militaria literature evolution and		
TOTAL	39 DH	15,130.4'		

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW Diamond Drilling

Area NICOLET (Former Twp.28 R.13)

Report Nº 13

Work performed by:

Claim Nº	Hole NQ	Footage	Date	Note
SSM 62208	EB-19	558.31	Apr/64	
	EB-25	508'	June/65	
	39 DH	15, 13	30.4	

Notes:

DIAMOND DRILL LOG Tribag Mining Company Ltd. PROPERTY: HOLE NUMBER: N - 19Breton Claims LOCATION: DIP TESTS -45<sup>0</sup> Latitude: 16608 Dio: Footage Reading Corrected 5735E 8051 Departure: Depth: Sept. 5/62 Elevation: Commenced: S 80° E. W.R.Sutton Azimuth: Finished: logged by: SAULE RSEMUN  $0 \sim 25$ Casing 23 - 47Andesite - Fine grained, dark grey, fairly numerous Quartz-carbonate Stringers. Tr. Py, one or two specks of Chalco. 47 - 55 Tuff? - Somewhat foliated volcanic @ 35° T.C. 55 ~ 85 Andesite - See 23-47. 64' - 3" Qtz. Stringer @ 80° T.C. with Tr. (+) Chalco and some Mo S<sub>2</sub> in both walls. 85 - 200Breccia - Andesite and other basic fine grained fragments - 70%. Felsite fragments - 10%. Qtz matrix- 20%. Qtz has little or no Carbonate with it and tends to be a darker, opaque quartz. Strong Epidote Alteration in a lacy pattern, generally closely related to the matrix. TR (+) of bright and Tr (-) of darker Pyrite (Pyrrho ?) though non-magnetic) Tr (4) Chalco. 127-132 - Felsite, Red, Brecciated 143-145 - Grey, acid dyke - Med, uniform grain and tr (-) - fine pyrite. 105-115 - best chalcopyrite in this section.

200 - 490 Breccia - See 85-200 - somewhat more Chalcopyrite
203-208 - relatively unbrecciated Andesite
with little or no matrix.
208-215 - Grey Acid dyke. see 143-145, and
also surface at 1850S on line 58E.
215-227 - relatively unbrecciated Andesite with
little or no matrix
227-490 - several lengths, to 6' of Andesite
similar to 215-227.
345-490 - Occas. ½"-1" Qtz Strs. with Chalco
and Sphalerite, all at 70°-90° T.C.
Fairly numerous Chalcopyrite Strs. at high
angles T.C. and widths from ½" to 1".
Impression that hole is crossing parallelism
of the rock at 70° T.C.

POOR QUALITY ORIGINA! TO FOLLOW

PROPERTY: Tribag Mining Company Ltd., HOLE NUMBER N-19 Breton Claims Dip: -45° 16608 Latitude: DEPTH 805 5735E Departure: Commenced: Sept. 5/62 Elevation: Azimuty: S 80° E Finished: Logged by: W. R. Sutton 0 - 25Casing Andesite - Fine grained, dark grey, fairly numerous 23 - 47 Quartz-carbonate Stringers. Tr. Py, one or two specks of Chalco. Tuff? - Somewhat foliated volcanic & 350 T.C. 47-31.55 55 ~ E5 Andesite - see 23-47. 64' - 1" Qtz. Stringer 50° T.C. with Tr. (+) Chalco and some No S<sub>2</sub> in both walls. 85 - 200 Breccia - Andesite and other basic fine grained fragments - 70%. Felsite fragments - 10%. Qtz matrix- 20%. Qtz has little or no Carbonate with it and tends to be a darker, opaque quartz. Strong Epidote Alteration in a lacy pattern, generally closely related to the matrix. Tr (+) of bright and Tr (-) of darker Pytite (Pyrrho ?, though non-magnetic) Tr (+) Chalco. 127-132 - Felsite, Red, Brecciated 143-145 - Grey, acid dyke - Med, uniform grain and tr (-) fine pyrite. 105-115 - best chalcopyrite in this section. 200 - 490 Breccia - See 85-200 - somewhat more Chalcopyrite 203-208 - relatively unbrecciated Andesite with little or no matrix. 208-215 - Grey Acid dyke. see 143-145, and also surface at 1850S on line 58E. 215-227 - relatively unbrecciated Andesite with little or no matrix. 227-490 - several lengths, to 6' of Andesite similiar to 215-227. 345-490 - Occas. 14-1" Qtz Strs. with Chalco and Sphalerite, all at 70°-90° T.C. Fairly numerous Chalcopytite Strs. at high

angles T.C. and widths from to 1".

of the rock at 70° T.C.

Impression that hole is crossing parallelism

491 - 500	Felsite ~	Red with Med thick Dissemination of grey-white rounded fragments, from 1/8" to ?".
500 - 603.5	Breccia -	See 85-200 but only occasional cluster or stringer of Chalcopyrite. 537-546 Slightly more Chalco.

513-520 60° felsite but no fragments.
530- lost water and 6" void (driller)
544-603.5 - several grey quartz stringers
almost parallel T.C. with some Chalcopyrite and Sphalerite.

601-602 Vuggy but no rust. 603.5 - Broken core.

Volcanic - Andesite, fine grained, darker grey. Numerous Qtz-filled and Carb. filled fractures, mostly 30° - 60° T.C. Hust (weathering) on fractures. 3 Grey quartz stringers parallel T.C. 620-630 - Some defined shear, particularly at 624 ft.

Volcanic - Andesite - fine grained, dark grey. Similiar to above, but little sign of weathering - exception- kaolinization from 657 to 667, about shearing at 661'-662' and at 666'. Shear 50° - 60° T.C.

One Grey Quartz Stringer parallel T.C.

Occas. small patch of Chalco.

A Qtz. - Epid - Sphalerite Stringer at 694'

Some of this length is somewhat coarser, and is probably Gabbro in width to 15'

749 - 791 Breccia - 80% Basic, 30% Qtz matrix and Sils. Altn.
779-780 and 785-787 Tr. (+) Pyrite and Chalco.
757-760 - Felsite

791 - 805 Volcanic - Andesite
Red (rusted) Carb. Stringers sparcely but
evenly scattered and at all angles T.C.
801 Slightly rusted shear over 2½" of core
(440° T.C.

805 End of Hole.

#### Dip Tests

Certifiel he Copy of long P. C. R. Le & P. C. fore aloned in boxes at	400 4. 600	Etched Angle 49° 00' 49° 00' 49° 00'	Corrected Angle 41° 30' 41° 30' 41° 30'
bere stoud in boxes at ,	property		

PROPERTY: Tribag Mining Co. Ltd.

Breton Property

HOLE NUMBER: N-20

LOCATION:

DIP TESTS

Latitude: 1493 S

45° Dip:

Footoge 300

Reading 50-30

42-30 rected

Departure: 5827 E

Depth: 7261

7001

43-00

57-00

Elevation:

Commenced:

Sept. 16/62

Azimuth: S BOO E

Finished: Sept. 21/62

logged by: S.V.Burr

Azimuth:	S 80° E	Finished: Sept.21/62 logged by: S.V.Burr
SAMPLE NUMBER	1	DESCRIPTION
	0.0-23	casing
	23.0-36	Gabbro
	23-25	fine-grained, massive
	25~36	medium-grained, some fine fracturing with minor pyrite.
	31.5	qtz stringer down core with some pyrite.
	35-36	somewhat fractured, or brecciated with attendant pyrite and chalco. (10%)
	36-70.5	Volcanic Breccia - upper contact at 30° to core.
	36-37	10%-15% fine sulphides in diverse fracturing and epidote alteration.
	37-70.5	generally unaltered, dacitic, with fine qtz. and sulphide fracturing, averaging 3-5% pyrite and chalco over all. Some red felsite dykes at intervals.
	42	i" qtz stringer, 30° to core, with chalco and molybdenite.
	53	two !" splashes of chalco.
	70.5-104	Gabbro Breccia - with inclusions, or in and out contacts of volcanics (79-80 - volcanic contact curving down core). Fair amount of fracturing, epidote alteration, and some felsitic material (91-1 foot felsite dyke 45° to core). Fine pyrite and chalco (5-10%) disseminated and in fractures throughout.
	104-217	Volcanic Breccia - as above. Occasional small molybdenite seams. 11 silicification around 109 with heavier chalco. Varies from massive dacite and andesite with fine qtz and sulphide fracturing, to a true Intrusive Breccia. Probable reason for in and out relationship is found at 130 where contact of massive volcanic and intrusive breccia parallels core. However, there are other similar contacts at various angles to core indicating irregular breccia dyking.
	125.5	140.5 - mainly Intrusive Breccia, finely mineralized with up to 10% pyrite and chalco.
	140.7	some molybdenite in a qtz stringer 35° to core.
	145-194	although the in and out Intrusive Breccia
		DUPLICATE COPY

POOR QUALITY ORIGINAL

PERTY: Tribag Mining Co.Ltd. Breton Property

HOLE NUMBER N=20

The state of the s

LOCATION

DEP TESTS

Leethoder 1495 3

Dipi. 45 deg.

Deportures 5827 E

Depth 7261

300' **59-**3

42-30 43-00

Elevation.

Commenced Sept. 16,1962

Azimuthi S 50 deg E.

Philhed Sept 21, 1962

logged by S. Y. Burr

SAMPLE HAMASO			• * * C & ! > T ! O H			e e e e e e
	A A -	23 - Casing		ı		
		36 - Gabbro			`,	
	23	- 25 - fine-	grained, massive	٠.		
	25	- 36 - mediu	a-grained, some	fine fracturin	k with	
		ું જે એક <b>મો</b> હેર	i pyrite.			
		31.5 - qtx st	tringer down cor	e with some py	rite.	
	, 35	- 30 - Bonowi	hat fractured, o	r brecciated,	micp	
		ACCOL	ndant pyrite and	cuatco. (IUP)		
	36 - 70	-5 - Volcanie	Breccia - uppo	r contact at 3	O dee	a care
	36	- 37 - 10%-1	Ine sulphide	s in diverse f	ractur	12
		and or	pidote alteratio	n.		
	37	- 70.5 - gene	erally unaltered	i, decitic, wit	h_figu	qtu
		and st	ulphide fracturi	ng, averaging	37-57- 1	yrite
٠,	i j		halco over all. tervals	nome Led Tatel	te ayke	•
		12 - 1" ota /	tringer, 30 des	to core. with	abalco	and
		molybder	nite.	•		1.
		53 - two 1 1	splashes of chal	.co.		
	20 5	101 - Gabban	Breccia - with	inaluatana au		
	10.5		of Volcanics			
			down core). Fat			
		•pidot•	alteration, and	i some felsitio	materi	
		(91 - 1	foot felsite dy	1ke 45 des to o	ore). I	ine ·
			and chalco (5-10	か) disseminate	d and 1	<b>n</b>
	1	Iracture	es throughout.			1
	104 - 2	17 - Volcanie	Breccia - as	bove. Occasion	al amal	h
		molybdei	nite seams, l	silicification	around	
,		109° wit	th heavier chalc	o. Varies from	MASSIY	•
			and andesite wit			
		fractur	ing, to a true	otrusive Brece	is. Pro	bable
			for in-and-out i			
		hrecoia	parallels core.	. Howavar than	t pur t	ther
		similar	contacts at var	cious angles to	core	ndicatin
		irregula	ar breccia dykis	Ag.		
	125	.5 ~ 140.3. ~	mainly Intrusiv	ve Breccia, fir	oly mis	pralised
		tith up	to 10% pyrite	ind chalco.		
	140	7 - 80me mo	lybdenite in a c	its stringer 3:	deg to	core.
	145	- 174 - AIC	hough the in-and	i-out intrusive	brecci	L <b>PA</b>

S	AMPLE
	NO.

#### DESCRIPTION

	and volcanics continue, the sulphides
101 004	appear to be less, except locally.
194-205	Increasing mineralization in predominant
	Intrusive Breccia.
217-234	Aplite Dyke- sandstone-textured (see N-19, 208-215)
	(and Shoeing at Line 58E, 1850 S). Upper
	contact at 55 deg to core, lower at 45 deg
	1" sphalerite-chalco stringer near lower
501.516	contact. Dyke is massive, not sheared as in showing.
234-246	Volcanic Breccia - weak fracturing and mineral,
0.46 000 5	except near aplite contact.
246-290.5	Intrusive Breccia - altered, with epidote and silici-
	fied sections. 2-3% pyrite in stringers and
290.5-344	disseminated; very little chalco.  Mixture of Volcanic Breccia & Intrusive Breccia
295.5	1" qtz stringer with molybdenite and chalco
4. J.J. 4 J	Increasing pyrite mineralization (3-5%) with a
	little more chalco, up to 323'
311-336	well silicified, but negligible mineral.
344-388	Volcanic Breccia - weak fracturing which is generally
	silicified; some epidote; dry of sulphides.
383	l" qtz stringer with molyb & chalco, 25 deg to core.
387	1" carb stringer with pyrite, 80 deg to core.
388-391	Fault zone - 60 deg to core, chloritic slips and basic
	fragments cemented with carbonate. Some pyrite;
	minor chalco.
391-406	Intrusive Breccia - altered; several felsite fragments;
	5% pyrite, minor chalco.
406-416	Volcanic Breccia-generally weakly brecciated, with some felsite
	from 412-416 intruding and fracturing the volcanics producing a
436 500	breccia. Low sulphides
416-598 416-453	Intrusive Breccia-
410-455	25% felsite fragments, 5% qtz- sometimes appearing to be fragments, rest basic with a basic matrix. Variable alteration, Increasing chalco
	although sulphides of the order of 3-5% up to 442, then an apparent
	lessening of chalco and increase of pyrite to retain same percentage
	of sulphides.
453-514	Negligible felsite, more volcanics and gabbro, very fine sulphide
	fracturing with pyrite, chalco and occasional molyb. Appears to
	be about 5% sulphides, but a grade estimate is difficult as there
	are a few coarser concentrations of chalco.
514-566	Increasing felsite up to 20%. Fine sulphides as above. 549, 554,5 -
	splashes of chalco.
566-598	No felsite, essentially basic.
574-598	Increasing sulphides-pyrite, marcasite and chalco. Heavy chalco
	at 584. 582-585 contains best chalco in hole.
598-613	Volcanic Breccia - Considerable qtz fracturing - 50% up to 604.5.
633.633	Fine fracturing, mainly pyrite.
613-632	Mixture of Intrusive Breccia with volcanic and gabbro breccia, and
	10% felsite and felsite porphyry. Seam of chalco at 619 and 3-5% pyrite and chalco in fine disseminations.
	pyrice and charco in line disseminations.

# POOR QUALITY ORIGINAL TO FOLLOW

SAMPLE P 448	BESCRIPTION		
1		100 m 100 m 100 m	
:	and volcanics continue, the aulphides		1
	appear to be less, except locally.		
	194 - 205 - Increasing mineralization in predomina	<b>D</b> U	i.
	Intrusive Breccia.	3.	
•	217 - 234 Aplite Dyka - sandstone-textured (see N-19.	204-21	<b>k</b> )
	(and Showing at Line 58E, 1850 S). Uppe	r.	"
	Contact at 55 deg to core lower at 4	der.	
. 1	MERKERS to aphalerite-chalco stringer		wer
	contact. Dyke is massive, not sheared		
••	234 - 246 Volcanic Breccia - weak fracturing and mines		]
	except near aplite contact		1 1
	246 - 290.5 Intrusive Breccia - altered, with epidote at	pd sili	c1-
	fied sections. 2%-3% pyrite in stringer	e and	<b>)</b> ,
	disseminated; very little chalco.		<b>}</b> ·
	290.5 - 344 Mixture of Volcanic Breccia & Intrusive Br	56677	1, 1
	295.5 - 1" qts stringer with molybdenite and chal	i i	1 1
	Increasing pyrite mineralization (3%-5%) will little more chalco, up to 323		1 1
	331 - 336 - well silicified, but negligible miner	1.	1 1
	344 - 388 Volcanic Breccie - weak fracturing which is	genera	117
	silicified; some epidote; dry of sulphide	•	
	363 - in our stringer with molyb & chalco, 25 deg	to com	de.
	387 - 1" carb stringer with pyrite, 80 deg to co	to.	1 1
	388 - 391 Pault Zone - 60 deg to core, chloritic slip	and t	dasic
	fragments cemented with carbonate. Some p	Arres	1 1
	minor chalco.		
	391 - 406 Intrusive Breccia - altered; several felsit	a rragi	ents;
	5% pyrite, minor chalco. 406 416 Volcanic Breccia - generally weakly breccia	tad. W	eh
	some felsite from 412-416 intruding and f	ractur	ing
	the volcanica producing a breccia. Low au	phide	
	416 - 598 Intrusive Breccia -	1	1
	416 - 453 - 25% felsite fragments, 5% qts - someti	nes ap	pearing
	to be fragments, rest basic with a bas	to met	41x.
	Variable alteration. Increasing chalco	alth	gugh
	sulphides of the order of 3%-5% up to		
	an apparent lessening of chalco and in pyrite to retain same percentage of su		
	453 - 514 - Wegligible felsite, more volcanics and		
	Very fine sulphide fracturing with pyr	te ch	alco
	and occasional molyb. Appears to be at	pout 5%	. ]
	sulphides, but a grade estimate is dif	ficult	80
	there are a few coarser concentrations	lof ch	alco.
	514 - 566 - Increasing felsite up to 20%. Fine sul	iphides	4.5
	above, 549,554.5 - spissies of chaice.	•	
	566 - 598 - No felaite, essentially basic.		J
	574 - 598 - Increasing sulphides - pyrite, m chalco, Heavy chalco at 584, 582-	ifumali iks non	tains
•	best chalco in hole.	ייייי לייי	44.40
	598 - 613 Yolcanic Braccia - Considerable qts fracti	aring -	50%
	up to 604.5. Fine fracturing, mainly py		
	613 - 632 Mixture of Intrusive Breccia with volcanie		abbro
	breccia, and 10% felsite and felsite por	rphyry.	Seam
	of chalco at \$9 619 and 35-55 pyrite and	i chalc	d in
	fine disseminations.		

SAMPLE NO.

	DESCRIPTION
 632-634.5	Gabbro - medium grained, slight fracturing. Negligible mineral.
634.5-660	Gabbro Breccia - no flesite; some volcanics; 3% qtz in stringers. 5-7% sulphides, mainly pyrite but with some fine chalco and occasional coarser concentrations. 658.5- ;" massive chalco stringer 80 deg to core.
660-726	Mianly Intrusive Breccia with some volcanics and gabbro.
660-681	The percentage of sulphides appears lower (?%) with very little chalco in evidence.
681-688	fine fragments and some felsite fragments. Mineral as above.
688-708	Increasing sulphides, 5-7% with about half being chalco. Several good concentrations of fine chalco and some fine molyb in three or four places.
	is should be the best 20' section in the hole,
	though not so concentrated as 582-585)
708-726	Decreasing sulphides although there are two or three chalco concentrations.

END OF HOLE: 726

CORE STORED IN BOXES AT PROPERTY

POOR QUALITY ORIGINAL TO FOLLOW

krimpta tvvvit	DBSCairti v N
	632 - 634.5 Gabbro - medium grained, slight fracturing.  Negligible mineral.  634.5 - 660 Gabbro Breccia - No felsite; some volcan cs; 3% qts in stringers. 5%-7% sulphides, mainly pyrite but with some fine chalco and occasional coarser concentrations. 658.5 - 2 massive chalco stringer
	660 - 726 Mainly Intrusive Breccia with some volcanics and gabbro.  660 - 681 - The percentage of sulphides appears lower (3%) with very little chalco in evidence.  681 - 688 - Fine fragments and some felsite fragments. Mineral as above.  688 - 708 - Increasing sulphides, 5%-7% with about half being chalco. Several good concentrations of fine chalco and some fine molyb in three or four places.  (This should be the best 20° section in the hole, although not so concentrated as 582-585)  708 - 726 - Decreasing sulphides although there are two cr three chalco concentrations.
	End of Hole: 726
	bare stored in boxea at property

PROPERTY: Tribag Mining Company Ltd.

205

HOLE NUMBER:

N-25

10CATION:Breton Property, Batchawana Bay, Ont.

DIP TESTS

latitude: 1290 S

Dip: 45deg

Footage 350 t

Reading 49-30

Corrected 41-45

Departure: 7000E

Depth: 7071

700

46-00

38-30

Elevation:

Commenced: Oct. 4/62

Azimuth: S 30° E

Finished: Oct. 11/62

logged by:

S, V. Burr

Azimioili;	3 JO 1	Inished: Oct. 11/02 logged by: 5,V. Burr
SAMPLE HUMBER		DESCRIPTION
	0.0-17.0	Casing
	17.0-20.0	Volcanics - dacitic- slightly fractured and silicified. Splash of chalco at 181.
	20.0-39.0	Felsite - (or Rhyolite) - reddish. Some fine fracturing, negligible pyrite. MoS <sub>2</sub> in fine qtz stringer at 34'.
	39.0-67.5	Volcanic - andesitic - possibly some gabbro. Increasing epidote fracturing with pyrite, minor chalco. Slightly heavier sulphides from 63.5-65.0.
	67,5-72,0	Rhyolite - slightly reddish, Barren
	72.0-75.0	Volcanic - andesitic - Some epidote, Negligible sulph.
	75.0~707.0	Breccia Zone:
	75.0-80.0	Intrusive Breccia - with felsite fragments. Fine texture; sparse fine mineral, mainly pyrime.
	80.0-84.0	Felsite - with inclusions of dark green coarser material at 82-83.  Negligible mineral.
	84.0-93.0	Aplite - green, with darker green spots of various sizes similar to dykes in N-22. Leached in places. Negligible mineral.
	93.0-134.0	Brecciated Volcanics - andesitic - considerable fine fracturing at various angles to core, including 80-90 deg. Scattered epidote and fine sulphides about 1% or less. y
	134.0-146.	.5 Felsite or Rholite - contacts not clear. Reddish. Negligible mineral.
		O Brecciated Volcanics - andesitic - fine fractures with some epidote and fine qtz stringers. Fine sulphides up to 1%.Cone,pyr.chalco, sphal. @ 155].
	163.0-170.	.0 Intrusive Breccia - (or coarse tuff).Minor epidote and fracturing
	22	Sulphides about 1%.
	170.0-176.	.0 Brecciated volcanics - andesite. Fine fracturing with epidote, much
		of it normal to core. Minor mineral.
	176.0-178	.0 Intrusive Breccia - (or coarse tuff) as above.
	178.0-193	.0 Brecciated Volcanics - andesitic-as above.
	193.0-195	.0 Aplite - similar to 84-93 above.
	195.0-198	.0 Brecciated Volcanics - andesitic - as above.
	198,0-214	.0 Dark Dyke - Massive, amygdaloidal, porphyritic. Phenocrysts are lathe- shaped; amygdules have soft white material. Upper contact area fine
		grained similar in appearance to adjoining andesite; lower contact

definitely chilled against Intr. Bx.

giving a brecciated appearance.

# POOR QUALITY ORIGINAL TO FOLLOW

a brick-red alteration penetrates rock and across qtz. fractures,

A MIV. Tribag Mining Company Ltd.,	HOLE HUMBER N-25
LOCATION Breton Property, Batchawana Bay, Ont.	CAP TESTS
Lemude 1290 S Dipi 45 deg	Footogo Booding Corrected
Departures 7000 K Depth 707'	350° 49-30 41-45 700° 46-00 38-30
Elevation Commenced: October4, 1962	
Azimah 8 30 deg B Finished October 11, 1962	logged by 4. Y. Burr
SAMIL .	

AMIT AMIT			- 2016CB1/110H	1 <b>4</b> , \$1	
	. 0.0 -	17.0 - 0	asing		
	17.0 -	20.0 - ]	olegnica - dacitio - 511		d and
			ligified, Splash of chal-	co at 181.	
	20.0 -	39.0 - Z	laita - (or Rhyolite) -:	reddish. Some	Tine frac-
		ं ६१	ring, negligible pyrite.	MoS <sub>2</sub> in fine	gts stringer
	20.0	10 1 2	34		
	39.0 ~	0/.5 - 71	lcanio - andesitio - pos	SIDIY SOME ESD	pro. in-
			easing epidote fracturing lightly heavier sulphides		
	67 5 -		volite - slightly reddis		۲•
	72.0	75.0 - V	Canic - andesitic - Som	a anidata.Magi	deinle eulnh
	75.0 -	707.0	receia Zone:	a ahtmassi-mily	Le contra le con
	75.0	- 80.0 -	Intrusive Braccia - with	felsite frage	ante. Nine-
		t	exture; sparse fine miner	al, mainly pyr	tte.
	80.0	- 84.0 -	Pelsite - with inclusion	s of dark gree	n coarser
			material at 82-83. Negli	gible mineral.	
	84,0	- 93.0 -	Aplita - green, with dar	ker green spot	s of various
		· 1	lises similar to dykes in	N-22. Leached	in places
	į ·		legligible mineral.		
	93.0		- Brequiated Volcanics -		
			las fracturing at various		
	1		0-90 deg. Scattered epide	te and line av	apaides
	131 0	- 116 E	bout 1%, or less, y	ntanta not ala	La Badaas
	134.0	- 140.5	- <u>Palaita or Kholita</u> - eo agligible mineral.	Which nor cla	er. wedgisa.
	746.5		- Proceiated Volcanics -	andwaitin - fi	he fractures
	1	107,0	with some epidote and fi	ne ote stringe	ra. Fine
			aulphides up to 1%. Conc	. pyr.chalco.	phal. 4 155
	163.0	- 170.0	sulphides up to 1%. Conc - Intrusive Brecois - (or	coarse tuff.	Minor epigo
		• •	and fracturing. Sulphide	a about 1%.	
	170.0	- 176.0	- Brecolated Volcanics -	andesitio - Pi	he fracturing
			with epidote, much of it	normal to com	, Mindr
			mineral.	1	
	176.0	- 178.0	- Intrustye Brecoie - (or	coarse tuff)	Pe apode.
	175.0	- 193.0	- Precciated Volcanics - Aplite - similar to 84-	andesitic - as	* pove
	195.0	# 195.U	- Brecelated Volcanics -	ADGOSITIO - A	TOOVE
	190.0	- 414.0	- Dark Dyke - Massive, as		
			Phenocrysta are lather-		
			white material. Upper c		
			similar in appearance t contact definitely chil		
		205	brick-red alteration pen		
		- LUJ - E	ractures, giving a breed	ALALANAAAAA	

SAMPLE NO.

	DESCRIPTION
emmente de la comitación de la competito de la	Some qtz-carb fractures. Upper contact area fine grained, similar to andesite adjoining, but lower contact definitely chilled against Intrusive breccia.
214.0-218.0	Intrusive Breccia - some felsite fragments. Some epidote alteration. Negligible mineral.
218.0-222.5	Brecciated Volcanics - andesite - some qtz fracturing and fine sulphides from 221-221.
222.5-308.0	Intrusive Breccia - Fine texture. Epidote fracturing. Fine sulphides up to 2-3%, with some heavier splashes of pyrite and chalco.
223.5	Aplite slight fine mineral.
308.0-312.0	Andesite - fairly massive; some fine fracturing at low angle to core.
312.0-313.5	Fault - chloritic slips and carbonate veinlets @ 75° to core. Some fault breccia cemented with breccia. Dry of mineral.
313.5-317.0	Brecciated Volcanics - andesite- more fracturing and epidote alteration than above. Minor mineral.
317.0-361.0	Intrusive Breccia - Fine texture. Epidote alteration. Some larger felsite and volcanic fragments.
341.5	concentration of coarse chalco-but nagligible mineral other-wise.
361.0-367.0	Andesite - sparse fine fracturing.
361.5	Graphite slip - undoubtedly the cause of anomaly.
367.0-379.5	Intrusive Breccia - a few shows of chalco. Up to 1% total sulphides.
379.5-396.0	Andesite - minor fracturing and alteration with slight mineral.
396.0-407.0	fine to medium grained; intermediate composition; lineation about 50° to ore.
407.0-418.5	Andesite- fine fracturing with epidote, minor qt2 and mineral
418,5-504.0	Gabbro - Fine grained at first; becoming medium grained. Scattered mineralized (pyrite and chalco) qtz. stringers, generally 60-80° to core.
500.5+50	1.5 Fault - 60° to core. Breccia cemented with felsitic material and some carbonate.
501.5-50	4.0 somewhat altered and broken, with carbonate and some brick-red veinlets.
504.0-549.0	Brecciated Bolcanics - andesite - fine fracturing various angles to core, sometimes heavily mineralized. Over-all % sulphide is quite low.
549.0-554.0	Intrusive Breccia - Fine tecture; epidote alteration. Minor fine sulphides. 6" felsite, 25 deg to core at 550.
554.0-563.5	Felsite - reddish, negligible mineral.
563.5-574.0	Intrusive Breccia - as above, but with some coarse felsite and volcanic fragments.
574.0-675.0	Mixture of intrusive Breccia and Brecciated Gabbro in about a 50-50 ratio. Many felsite fragments, and considerable epidote, but minor sulphides.

Gabbro is fine and medium grained.

# POOR QUALITY ORIGINAL TO FOLLOW

D 8 8 C 8 1 7 T 1 O H	. , .	,
Some qts-tarb fractures. Upper con	tact area	,
fine grained, similar to andesite a	diotaine.	but
lower contact definitely chilled as	a nat. Int.	matra
breccia.		45210
		1
214.0 - 218.0 - Intrusive Braccia - some felsite	TLMEMOURS	Some
epidote alteration. Negligible mi	Detail	
218.0 - 222.5 - Breggiated Volcanics - andesite -	some at a	Irao-
turing and fine sulphides from 221	L- <u>2</u> 211.	
222.5 - 308.0 - Intrusive Brecois - Fine texture.	<b>Epidote</b>	frac-
turing. Fine sulphides up to 2-35,	with some	beavio
splashes of pyrite and chalco.		1
223.5 - 225 - Aplite - slight fine mineral.	3 h. 1 1 11	
308.0 - 312.0 - Andreite - fairly massive; some fi	ne Crackn	ting .
at low angle to core.		1
312.0 - 313.5 - Yault - chloritic slips and carbo	made made	1
75 deg to core. Some fault b		
		Ban Car
with breccia. Dry of mineral		1
313.5 - 317.0 - Bracciated Volcanica - andesite -	· more its	tentin
and epidote alteration than above	O MINOR II	ineral,
317.0 - 361.0 - Intrusive Breccia - Vine texture.	. Applicate	<b>eltera</b> .
tion. Some larger felaite and vol	icante fra	iments,
341.5 - concentration of coarse chalco - b	out peglig	1690
mineral other-wise.		1
361.0 - 367.0 - Andemite - sparse fine fracturing	K.	l
361.5 - ORAPHITE slip - undoubtedly the co	ause of an	emaly.
367.0 - 379.5 - Intrugive Breccia - a few shows	of chalco-	Un to
1% total sulphides.	, ,,,,,,,,,	
379.5 - 396.0 - Andecite - minor fracturing and a	. 7 +	Lusen
alight mineral.	FT - 48 - 5701	-1011
TOO O 107 O from the model we wondered a destrument		1000
396.0 - 407.6 - fine to medium grained; intermed:	rare compo	<b>#1510</b> B
lineation about 50 deg to core	•	1
407.0 - 418.5 - Andesite - fine fracturing with		
qts and mineral 418.5 - 504.0 - Qabbro - Fine grained at first; 1	.   _ `	1
418.5 - 504.0 - <u>Qabbro</u> - Fine grained at first;	becoming a	edium .
grained. Scattered mineralized ()	pyrite and	chalo
qtm stri rs, generally 60-80 d	eg to core	1
500.5 - 501.5 - 1 7 deg to core. B		
wit felsitic material and a	some carbo	mate.
501.5 - 504.0 - somewhat altered and broke	on, with c	
and some brick-red veinles		1
504.0 - 549.0 - Bracciated Volcanics - andesite		eturin.
various angles to core, sometime	a heavily	einera
lised. Over-all > sulphide is qui	ite m	
549.0 - 554.0 - Intrusive Braccia - Fine texture	istillate .	ters-
tion. Minor fine sulphides. 6" f		1
	ararbat w	Lange P
core at 550.		1
554.0 - 563.5 - <u>falnite</u> - reddish, negligible mi	Deret.	
563.5 - 574.0 - Intrustive Breccia - as above, but		se coar
felsite and volcanic fragment		ļ ·
574.0 - 588.0 - Sabbro - Fine to medium grained.	Isolated	qts
veinlets., generally barren.		
588.0 - 675.0 - Mixture of Intrusive Breccia and	Brenciate	d Gabb
in about a 50-50 ratio. Many fel		
and considerable epidete, but mi		

PROPERTY: Tribag Mining Company Limited HOLE NUMBER: N-26

LOCATION: Breton Property, Batchawana Bay, Ont. DIP TESTS

Latitude: 60S Dip: 45° Footage Reading Corrected 250° 55-15 48-30

Departure: 5900 E Depth: 509' 500' 54-45 48-00

Elevation: Commenced: Oct. 20/62

Azimuth: S 62° E Finished: Oct. 24/62 Logged by: S.V.Burr

		togged by:
SAMPLE HUMBER	•	DESCRIPTION
	0.0-9.0	Casing
	9.0-216.0	Basaltic Volcanics- Considerable fine fracturing, epidote alteration and minor silicification, at various angles to core. The dominant direction is at a low angle to the core, but there are some thin carbonate slips, here and there, nearly normal to the core. Negligible mineralization. (There appears to be as much fracturing and epidote, as in the copper-bearing rock in the East Breccia Zone, as seen in holes N-19, N-20, etc.) Possible pillow selvages in places.
	131.0-216	.0 noticeable, scattered, pyrite with some pyrrhotite concentrations associated with fracturing. Although some of the mineralized fractures run at a low angle to the core, others are at 45-85 degrees to core. Heaviest mineral, perhaps averaging 4-5% from 153 to 216*(Anomaly?)
	211}-212	Dyke and Fault - Fine grained, grey, hard dyke with contacts at 80-85° to core. 3}" Fault breccia with carbonate cement and slips are found in the centre of the small dyke at the same degree to the core.
	216.0-339.0	Andesitic Volcanics - a lighter, grey rock, somewhat more massive. A few structures and fractures at low angles to core, but most of the fine fracturing is at angles of 45-80 ° to core. There are similar carbonate slips nearly normal to the core as above, but there appears to be less epidote.
	300}	8" bleached zone, with slips 50-55 deg to core.
	339	6" Fault with breccia cemented with carbonate. Slips at 75 deg to core.
	339.0-509.0	Gabbro
	339+404	med grained, fairly massive except for scattered carb slips and narrow Fault breccia (345), 349) nearly normal to core. Peculiar development of scattered, irregular blotches of feldspar concentrations giving the appearance of amygdules.
	404-509	med grained massive, minor short siliceous sections.
	464-465}	brecciation of the gabbro by epidote(?)
	471-473	fine pyrite fracturing.

END OF HOLE: 509 (No samples)

POOR QUALITY ORIGINAL TO FOLLOW

61131

#### DIAMOND DRILL LOG

wenty, Tribag Mining Company Limited

HOLE NUMBER: N=26

COCATION: Breton Property, Batchawana Bay, Ontario. (S.P. Anomaly 8)

DIP TESTS

Latitudes 60S

Dips 45 deg

Footoge Reading

Departure: 5900 E

Depths 5091

250 55**-15** 500 54**-4**5 48-30

Corrected

Elevations

Commonced: October 20, 1962

Azlmuth, 3 62 dag S.

Fishhods October 24, 1962 togged by S. V. Burr

ANVLE LIMBER	DESCRIPTION		,
	C.C - 9.C - Casing		
- 1	9.0 - 216.0 - Basaltic Volcanics - Considerable fine	fractu	ring.
}	epidote alteration and minor silicification	tion.	at.
į	various angles to core. The dominant di		
İ			
)	at a low angle to the core, but there	10 300	0 (111)
,	carbonate slips, here and there, nearly	norma	1 60
i	the core. Negligible mineralization. (Th		
,	to be as much fracturing and epidote, a		
1	copper-bearing rock in the East Breccia	Zone,	A 5
	seen in holes N-19, N-20, etc.) Possibl	e pili	WC
	selvages in places.		
i	131.0 216.0 - noticeable, scattered, pyrite with	ome ny	rrho-
	tite concentrations associated with	Cmo ob w	n i n o -
	Although some of the mineralized fra		
	at a low angle to the core, others a	rest	42-42
	degrees to core. Heaviest mineral, p	erhaps	
	averaging 4-5%, from 153 - 216+ ()	nomaly	7)
	· 2111 - 212 - Dyke and PAULT - Fine grained, g	rey, h	ard
	dyke with contacts at 80-85 deg	to cor	b. 33
	Fault breccia with carbonata can	ent an	Hali
	are found in the centre of the		
	the same degree to the core.		,,,,
		- 16	
	216.0 - 339.0 - Andesitic Volcanics - a lighter, grey a	OCK, B	DESCRIPTION
	more massive. A few structures and frac	cures	ac io
	angles to core, but most of the fine fi		
	at angles of 45-80 deg to core. There a		
	carbonate slips nearly normal to the co	re as	PDOAR
	but there appears to be less epidote.	}	
	3002 - PM bleached zone, with slips 50-55 deg t	o core	L
	339 - 6" Fault with breccia cemented with car	bonata	SIL
	at 75 deg to core.	100.200	
	339.0 - 509.0 - Gathra	}	ļ
		<u> </u>	
	339 - 404 - med grained, fairly massive except for		
	carb slips and narrow Pault breccia		
	muarly normal to core. Peculiar devel	opment	of
	scattered, irregular blotches of feld	spar c	pncen
•	trations giving the appearance of am		
	404 - 509 - med grained, massive, minor short sili	HOUR A	Sctin
	464-4659 - brecciation of the gabbro by epide	10-121	[
			1
	471 - 473 - fine pyrite fracturing.	Bun	
	1	X. Buch	ľ
	END OF HOLE: 509. (No samples)	100	1
	love stored in bayes at property	1	}

SAMPLE NO.		DESCRIPTION
	656-657	Felsite - brecciated at contacts and carrying basic fragments.
	675.0-698.0	Brecciated Gabbro - medium fine grained. Sparse mineral in qtz or epidote fracturing.
	696.	Felsite breccia.
	698.0~707.0	Intrusive Breccia - Gabbro - mixture, with considerable felsite, epidot negligible sulphides.
		END OF HOLE: 707°
		<b>%</b> Cu
1003	41-46	0.06
1004	46-51	0.08
1005	51-56	0.06
1006	56-61	0.10
1007	61-66	0.26
1009	221-226	0.19
1008	226-231	0.37
1010	231-236	0.32
1011	236-241	0.21

Core stored in boxes at property

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

100 100	PRICEIPTION	1	
	656 - 657 - <u>Felsite</u> - brecciated at contact carrying basic fragments 675.0 - 698.0 - <u>Brecciated Gabbro</u> - medium fine grain	and Sn	
	mineral in qts or epidote fract 696 - Felsite brecia. 698.0 - 707.0 - <u>Intrusive Breccia</u> - <u>Gabbro</u> - mixture siderable felsite, epidote, negligi	turing.	
	End of Hole: 707'		
1003 1004 1005 1006 1007 1009 1008 1009	\$\begin{align*} \delta & \delt		,
1	Fore stored in boxes at property	:	
		- ,	
	•		
		,,	
	,		

PROPERTY. Tribag Mining Company Limited

HOLE NUMBER: N-27

LOCATION: Breton Property, Batchawana Bay, Ont.

DIP TESTS

Latitude: 50S

Dip: 45°

Footage

Reading

Corrected

Departure: 4350 E

Depth: 327

Elevation:

Commenced: Oct. 25/62

Azimuth: S 60°E

Finished: Oct. 28/62

logge by: S.V.Burr

SAMPLE NUMBER		DESCRIPTION
	0.0-20.0	Casing
	20.0-144.0	Andesitic Volcanics - Grey, fairly massive. Minor chloritic
		slips and flow lines at low angles to core. Scattered fine qtz fracturing at various angles to core.
	300 5	A clear-cut flow contact, irregular, at 25° to core. Some
	100.5	
	101 144	sparse disseminated pyrite. increasing fine qtz fracturing, with development of epidote
	121-144	alteration and weak silicification.
_		
-	123	13" qtz veinlet 50° to core. Sparse pyrite.
	144.0-177.0	Gabbro - Fine grained. Scattered fine qtz fractures and
		weak silicification. Upper contact 25° to core. Lower contact
		shows some shearing, is irregular at 25° to core.
	177.0-248.0	Andesitic volcanics - As above. Some pillow selvages at 179.
	189-193	5% pyrite in fracturing and in cubes.
	232-248	5% " " " * (Anomaly)
		In between, the rock has scattered fine qtz fractures with
		infrequent pyrite.
	243.0-294.0	Cabbro - massive, medium grained. Upper and lower contacts
		chilled to light grey, fine grained rock at 45° to core.
	294.5-327.0	

ation as above. Negligible mineral.

END OF HOLE

Core stored in boxes at property.

DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW

61133

## DIAMOND DRILL LOG

pary Tribag Mining Company Limited

HOLE NUMBER: N-27

LOCA ON Breton Property, Batchawana Bay, Ontario

DID TOSTS

Latruda 50 S

(S.P. Anomaly 14) deg

otoge Read

Carrend

Departures 4350 E

Depth 327

Elevation

Commenced: October 25, 1962

Azlmuth S 50 deg E

Finished October 28, 1962

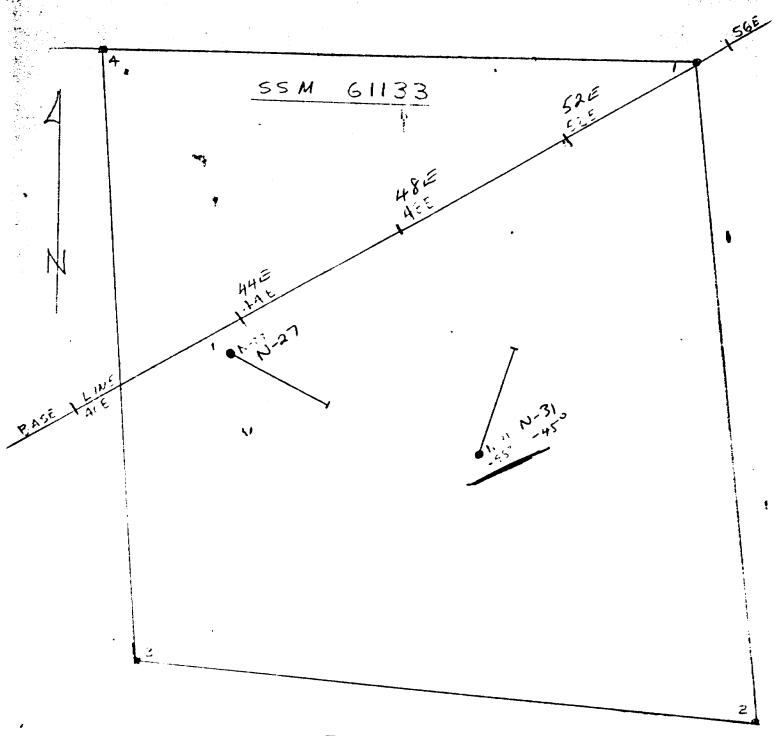
Looped by: S. V. Burr

SAMPLE .	esc. San American	D 8 9 C 8 1 P 7 1 O M			
	0.0 - 20.0 -				, , , , , , , , , , , , , , , , , , ,
	20.C - 144.0	- Andesitic Volcanics - Grey, chloritic slips and flow lin	fairly mass	inzles	nor
		core. Souttered fine qua fra			
	100 5	angles to core A clear-cut flow contact, in		25 4	
		core. Some sparse dissemina			8 00
	121 - 144	- increasing fine que fractus	ing, with	levelor	ment
	123 -	of epidote alteration and a lim qtz veinlet 50 deg to cor	reak Silici: re. Sparse	(1Catlo pyrite.	n.
•	144.0 - 177.0	- Gabbro - Fine grained. Scatt	ered fine	ts fre	ctures
		and weak silicification. Upport core. Lower contact shows so	er contact	25 des	to
	Ž.	lar at 25 deg to core.			
	177.0 /- 248.0	- Andesitic Volcanics - As abo	ove. Some p	1110m s	e1-
	189-19	YAKes at 179. 3 - 5% pyrite in fracturing an	nd in cubes		
	232-24	8 5% " " " "	4 11 11		maly
	· •	In between, the rock has scat with infrequent pyrite.	ttered fine	des ti	actures
•	248.0 - 294.5	- Cathro - massive, medium gra	ained. Uppe	r and ]	ower
		contacts chilled to light gr	rey, fine g	rained	rock .
	134.5 - 327.0	- Andesitic Volcanics - scatte	ered fine f	j Factur	ne
		and alteration as above. he	gligible mi	eral.	
	•	END OF HOLK: 3271 (No.:	samples)		
	) }		1		
	Para stored in	boxes at property SIVI	l.v	1	1
	you sound	source or spaying	$\Im w$	1	1
		<i>≯</i> "			
· ·					
		•		7	1

Tribag Mining Co. Limited HOLE NUMBER: N-31LOCATION: Batchawana Bay, Ontario **DIP TESTS** -45° -43° -44° Dip at collar 5+00S Dip: at 1301 Latitude: Footage Reading Corrected at 3401 341.3 4700E Departure: Depth: Patitian Milia July 6, 1964 Elevation: Commenced 200

Azimuth	: 20°	Finished: July 9, 1964 Logged by: M. Blecha
SÁMPLE NUMBER		DESCRIPTION
	0.0	Casing 17.5
	17.5	Fragmented Zone. Probably flow breccia. Fine grained, green, volcanic (andesitic) fragments, medium carbonatization, and epidotization, low chloritization. Minor traces of chalcopyrite, pyrite and pyrrhotite. This rock is similar to the weakly mineralized zones encountered in EB-holes. Note: 1.0' quartz vein at 31.0-32.0.
	32.5	Andesite. Fine grained, green, massive, fresh. 5% epidote stringers and patches. The rock contains several short fragmented zones as at 17.5; probably all flow breccia. Some of these zones carry traces of pyrrhotite and chalcopyrite, are carbonatized and epidotized.
	145.2	Felsophyre. Pale greyish brown, well banded at 50° c.n., consisting of 5% rounded quartz phenocrysts in an aphanitic siliceous matrix. Minor epidotization.
	151.5	Gabbro - Abrupt chilled contact; first 2-3 feet aphanitic to fine grained, becoming fine-medium grained from 156.0 on Uniform, equigranular texture; consisting of about feldspar, occasionally stained red. Locally becoming dioritic Generally fresh a 1 massive, except for a few short foliated zones, mostly at 45° c.n. Cut by 2-3% epidote stringers, 1% narrow quartz stringers. Locally high epidotization. Note: 0.5 ft. quartz vein at 240.5-241.0. 271.0
	271.0	Andesite - as at 32.5; fine grained, relatively fresh, green and massive, except for a few short fragmented phases. 2-3% epidote and quartz stringers. 303.0 - Andesite - gradually becoming medium grained (centre of flow?). 308.0 - Andesite - gradually becoming fine grained, as at 271.0. Few minor foliated and fragmented zones, probably representing flow breccia.
	333.0	333.0 Trap Dyke(?) Dark grey, aphanitic, massive, with 1-2% scattered 1-2 mm. pyrite cubes. Sharp chilled contact at 80° c.n. Contains an inclusion of foliated volcanics from 335.0-337.0. 341.3 - End of Hole. No samples taken.

Core stored in racks to Tribey.



TRIBAG MINING CO. LIMITED SAULT STE MARIE MINIDIV. BATCHAWANA, ONT.

LOCATION PLAN

DRILL HOLES ON

CLAIM "SSM 61133

SCALE: 1" = 200' JULY 126" ALLIW

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. N-40

IOCATION: Batchawana Bay, Ont.

DIP TESTS

XXXXX: Line: 38+25'E

Dip: -50°

Footage

Reading

Corrected

Elevation:

SAMPLE NUMBER 5+00 S

XXXXXXX Claim SSM 61133

Depth: 408.01

(Group C)

Commenced: Nov. 11/65

Azimuth: East

Finished: Nov. 16/65 logged by: L. Koskitalo

!	•	DESCRIPTION
	•	0.0
	0.0	Casing
		14.0
	14.0	Volcanics, andesitic(?), and some (?) diabase(??)-mostly a medium soft-medium hard, slightly chloritized, non magnetic medium dark greenish grey, fine grained, massive rock. Spots of medium chlorite alteration. Cut by 1-2% quartz, in 1/8"-1" stringers at various angles with an indefinite 45° c.n. average; some epidote and sericite alteration and stringers associated with the quartz; essentially, on sulphides (saw two specks 1 mm. pyrite at 88.6').  1mm. cpy. at 306.5').  38.0-38.5 - Quartz veining and shattered volc 60° c.n. 25% qtz.  58.7-61.0 - " " " " - 45° c.n. 12% qtz.  141.6-142.0 - " " " sheared " - 60° c.n. 9% qtz.  146.2-146.6 - " " shattered " - 50° c.n. 10% qtz.  214.7-216.2 - Quartz veining and shattered, sheared volcanics - 60° c.n. 15% quartz.  238.3-238.6 - Fault? Shattering. 5% quartz, 1" gouge at 25° c.n.  306.4-306.6 - quartz veining, shearing at 50° c.n.; speck (1mm.) chalcopyrite; ghostly alteration of something caught up in quartz.  349.1-349.5 - Shearing at 35° c.n.; 5% quartz; 25% epidote stringe
		<pre>some ser(?). 353.5-358.8 -Zone of minor shearing; quartz veining alteration;</pre>
		38 quartz.
		376.6-377.0 - Quartz veining, shattering at 55° c.n. 20% qtz;
		med. ser. epid(?) alteration.
		408.0
	408.0	END OF HOLE.

# DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

PROP. A Tribag Mining Co. Limited

HOLE NUMBER: N-40

LOCATION: Batchawana Bay, Ontario

DIP TESTS

**Matitada:** Line 38+25 B

Dip: -50\*

Footage

Reading

Corrected

5+00 S xBusdus: Claim SSM 61133

(Group C)

Depth: 408.01

Elevation:

Commenced: November 11, 1965

Azimuth:

SAMPLE

East

· Finished: November 16, 1965 Logged by: L. Koskitalo ......

NUMBER		DESCRIPTION
	0.0	O.O Casing.
	14.0	Volcanics, andesitic(?), and some(?) diabase(??) — mostly a medium soft-medium hard, slightly chloritized, non magnetic medium dark greenish grey, fine grained, massive rock. Spots of medium chlorite alteration. Cut by 1-2% quarts, in 1/8"-1/4" stringers at various angles with an indefinite 45° c.n. average; some apidote and sericite alteration and stringers associated with the quarts; essentially, no sulphides (saw two specks 1 mm. pyrite at 88.6°). 1 mm. cpy. at 306.5°). 38.0-38.5 - Quarts veining and shattered volc60° c.n. 25% quarts. 58.7-61.0 - " " " " " -45° c.n. 12% quarts. 141.6-142.0 - " " " sheared " -60° c.n. 9% quarts. 146.2-146.6 " " shattered " -50° c.n. 10% quarts. 214.7-216.2 - Quarts veining and shattered, sheared volcanics - 60° c.n. 15% quarts. 238.3-238.6 - Fault? Shattering. 5% quarts, 1/4" gouge at 25° c.n. 306.4-306.6 - Quarts veining, shearing at 50° c.n.; speck (1 mm.) chalcopyrite; ghostly alteration rf some- thing caught up in quarts. 349.1-349.5 - Shearing at 35° c.n.; 5% quarts; 25% epidote stringers, some ser(?) 353.5-358.8 - Zone of minor shearing; quarts veining alteration; 3% quarts. 376.6-377.0 - Quarts veining, shattering at 55° c.n. 20% quartz; medium ser epid(?) alteration. 408.0
	408.0	End of Hole.
		Hoyd Kosh talo

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER N-41

LOCATION: Batchawana Bay, Ont.

DIP TESTS

NAMEN: 100'E of L40E 520'S

-60° Dip:

Footage

Reading

Corrected

XXXXXX Claim SSM 61133

Depth: 379.51

(Group C)

Elevation:

SAMPI F

Commenced: Nov. 17/65

Azimuth: Due West

Finished: Nov. 22/65 logged by:

L. Koskitalo

MUMBER

#### DESCRIPTION

- 0.0
- 0.0 Casing 6.0
- 6.0 Volcanisc, relatively fresh, fine grained, hard greenish dark grey non magnetic (?), massive andesitic (?)-shattered?-cut by 2% quart? in 1/16"-1" stringers, smooth and irregular, at various angles minor epidotization, some sericitization, kaolinization(?), associated with stringers - some Fe stained breaks from 6.0-34.0-essentially no sulphides? 61.0
- 61.0 Felsophyre(?)-hard, relatively fresh, non magnetic, med. to dark grey, fine grained-aphanitic rock, with blurry }-3mm. feldspar phenocrysts and 1 mm. rounded, vague, white quartz phenocrysts in some places; some kaolin spots. Shattered and cut by 2% quartz in 1/16"-18" stringers.

Trace pyrrhotite  $(\frac{1}{4}-\frac{1}{2}\frac{1}{4})$  associated with quartz as disseminated 1-2mm. blobs, also has irregular stringered masses 1-2mm. wide x 5-10 mm. long in the host rock at about 10-20° c.n. Trace pyrite (1/10%?).

76.6-78.2 - Shear zone(?)-medium-low kaolin alteration, minor graphite; 2% pyrrhotitic; 1% pyrite in irregular clota and stringe: several at 15° c.n.

78.2

- 78.2 Volcanic(?) - massive porphyritic (mafic knots-} mm.) andesitic thing (?) - looks like some relative of a diabase; non and/or very weakly magnetic, fine grained, fresh to low chloritization. kaolinization. dark green to greenish black; cut by 1% epidote (with some sericite, kaolin) stringers. 1/16"-½"; minor quartz; bare trace pyrite and pyrrhotite. 99.7
- 99.7 Volcanics-as at 78.2, but alteration increases to medium-earthy, some ser., some epidote, minor chl. alteration; shattering minor cut by 1-2% quartz/ epidote-sericite, 1/16"-1" stringers; trace various sulphides. 100.8-101.5 -50% quartz as 1" stringers at 65° c.n. 15% associated

epidote; trace pyrrhotite(1/4?), sphalerite, galena, bare trace pyrite.

128.0

Graphitic shear zone-shearing at 0°-30° c.n.; quartz and argillace-128.0 ous like material interlayered at

PLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

PROPER. .: Tribag Mining Co. Limited

HOLE NUMBER: N-41

LOCATION: Batchawna Bay, Ontario

DIP TESTS

Dip: -60\*

Footage Reading

Corrected

Exposure Claim SSM 61133 (Group C)

Depth: 379.51

Elevation:

Commenced: November 17, 1965

Jask and thumish

Finished: November 22, 1965 Logged by: L. Koskitalo

SAMPLE NUMBER	DESCRIPTION		
		0.0	
	0.0	Casing.	
	6.0	6.0 Volcanics, relatively fresh, fine grained, hard, dark grey, non magnetic(?), massive andesitic(?) - cut by 2% quarts in 1/16"-1" stringers, smooth irregular, at various angles - minor epidotisatic sericitisation, kaolinisation(?), associated with - some Pe stained breaks from 6.0-34.0 essentisulphides? 61.0	and n, some stringers
	61.0	Felsophyre(?) - hard, relatively fresh, non magne medium to dark grey, fine grained-aphanitic rock, blurry 1/2-3 mm. fledspar phenocrysts and 1 mm. r vague, white quarts phenocrysts in some places; a spots. Shattered and cut by 25 quarts in 1/16"-1 stringers.  Trace pyrrhotite (1/4-1/25) associated with quart disseminated 1/2-2 mm. blobs, also has irregular masses 1-2 mm. wide x 5-10 mm. long in the host at about 10"-20" c.n. Trace pyrite (1/10%?). 76.6-73.2 - Shear sone(?) - Medium-low kaolin alt minor graphite; 25 pyrrhotite; 1/25 pyrite in irrelots and stringers, several at 15" c.n.	with ounded, one kaolin /8"  z as stringered rock eration.
	78.2	78.2  Volcanic(?) - Massive porphyritic (mafic knots - andesitic thing (?) - looks like some relative of diabase; non and/or very weakly magnetic, fine grants to low chloritisation, kaolinisation, dark greenish black; cut by 1% epidote (with some serikaolin) stringers, 1/16*-1/2*; minor quarts; bare pyrite and pyrrhotite.	a ained, green to cite,
	99.7	99.7 Volcanics - as at 78.2, but alteration increases - earthy, some ser., some epidote, minor chl. alterating minor; cut by 1-2% quarts/epidote-ser: 1/16"-1/2" stringers; trace various sulphides. 100.8-101.5 - 50% quarts as 1/2" stringers at 6: 15% associated epidote; trace pyrrhotite(1/2%?), galons, bare trace pyrite. 128.0	eration; cite, c.n.
	128.0	Graphitic shear zone - Shearing at 0°-30° c.n.; argillaceous like material interlayered at 1/2-3	

#### DESCRIPTION

parallel, irregular 1 mm. pyrrhotite and pyrite stringers; 20% qtz 30-40% quartz; 30-40 argillaceous material; 50% volc.(single frag.) % pyrite, % pyrrhotite; trace chalcopyrite(?)/ 132.8-138.6 - Low-medium altered, fine grained, massive slightly porphyritic, sub-diabasic textured, andesite(?) 143.0

is massive, relatively hard, dark grey to greenish black porph-

yritic, non magnetic (?), fine to medium grained; 20% feluspar, 1 mm, phenoctysts, somekaolinized; 15% mafic 1 mm. phenocrysts - fair chloritization of groundmass - cut by 1% quartz, some in fine stringers, but mostly in 1"-1' stringers, with some associated epidote/sericite; trace pyrrhotite, pyrite, chalcopyrite.

208.0-209.1 - quartz (25%) in 1" stringer, at 70° c.n., minor associated sericite - mostly milky, some grey quartz.

221.4-222.5 - Quartz stringer with 2-% chloritized, minor epidotized gabbro fragments; bare trace pyrrhotite and pyrite.

237.5-237.6 - Quartz stringer at 50° c.n. Trace pyrite as 1 mm. specks.

317.4-318.8 - quartz rich (35%), medium high alteration zone; 10% epidote; 5% pink, ½" blebs, fragments? ½% chalcopyrite in scattered 1/8" clots in quartz at 318.4-318.8.

323.1-326.0 - Shear and/or foliation zone-10°-20°-60°c.n. Alteration patchy, average med.-low-90% volc and/or trap; 5% quartz; 5%

143.0 Gabbro(?)-alteration low to medium (earthy, chl.) patchy, rock

326.0
326.0 Volcanics(?) - alteration low-nil, in aphanitic to fine grained/
weakly porphyritic (½-lmm. mafic spots), dark grey to dark greenish
grey, massive, non magnetic rock-cut by trace quartz (½%) in fine
stringers; no visible sulphides? no pyrrhotite?
379.5

bleached altered fragments; bare trace sulphides.

379.5 END OF HOLE

POOR QUALITY ORIGINAL TO FOLLOW 143.0

#### DESCRIPTION

parallel, irregular 1 mm. pyrrhotite and pyrite stringers; 20% quartz; 30-40% quartz; 30-40 argillaceous material; 50% volc. (single fragment); 1/2% pyrite, 1/4% pyrrhotite; trace chalcopyrite(?). 132.8-138.6 - Low-medium altered, fine grained, massive slightly porphyritic, sub-diabasic textured, andesite(?) 143.0 Gabbro(?) - alteration low to medium (earthy, chl.) patchy, rock is massive, relatively hard, dark grey to greenish black, porphyritic, non magnetic(?), fine to medium grained; 20% feldspar, 1 mm. phenocrysts, some kaolinized; 15% mafic 1 mm. phenocrysts - fair chloritization of groundmass - cut by 1% quarts, some in fine stringers, but mostly in l'-l' stringers, with some associated epidote/sericite; trace pyrrhotite, pyrite, chalcopyrite. 208.0-209.1 - Quartz (25%) in 1" stringer, at 70° c.n., minor associated sericite - mostly milky, some grey quarts. 221.4-222.5 - Quartz stringer with 2-% chloritized, minor epidotized gabbro fragments; bare trace pyrrhotite and pyrite. 237.5-237.6 - Quartz stringer at 50° c.n. Trace pyrite as 1 mm. specks. 317.4-318.8 - Quartz rich (35%), medium high alteration zone; 10% epidote; 5% pink, 1/4" blebs, fragments? 1/2% chalcopyrite in scattered 1/8" clots in quartz at 318.4-318.8. 323.1-326.9 - Shear and/or foliation zone - 10°-20°-60° c.n. Alteration patchy, average medium-low - 90% volc and/or trap; 5% quartz; 5% bleached altered fragments; bare trace sulphides.

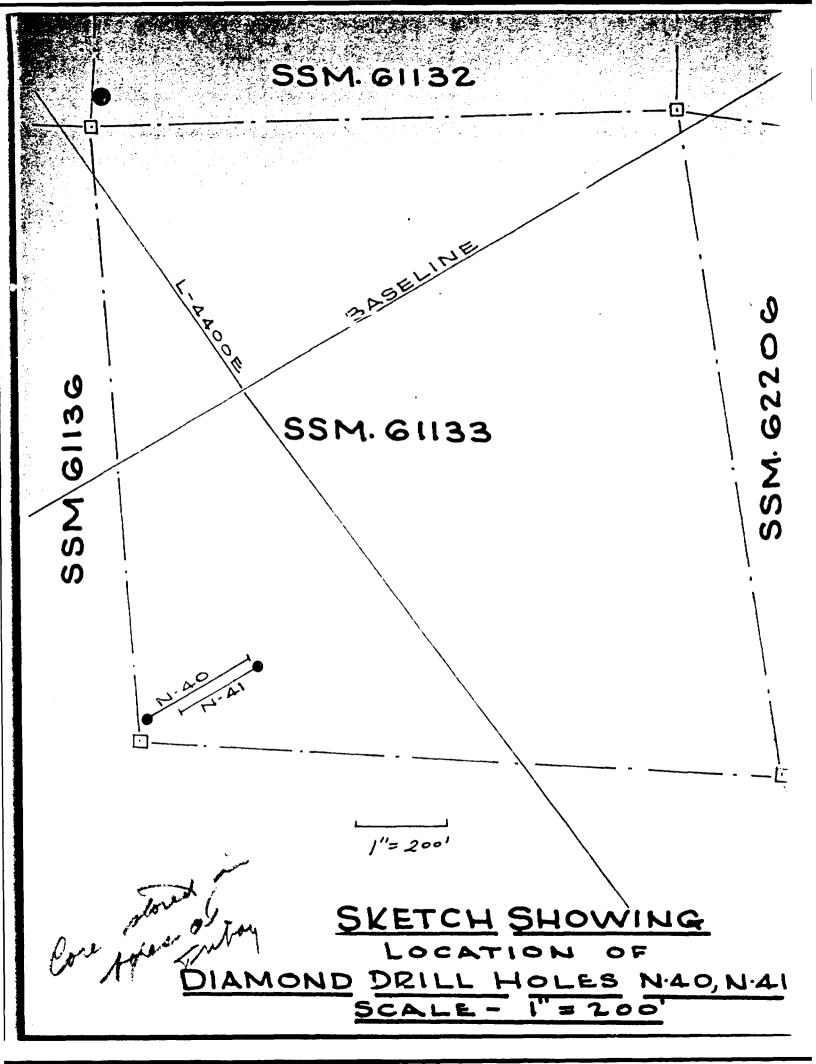
326.0

Volcanics(?) - alteration low-nil, in aphanitic to fine grained/weakly porphyritic (1/2-1 mm. mafic spots), dark grey to dark greenish grey, massive, non magnetic rock - cut by trace quartz (1/4%) in fine stringers; no visible sulphides? no pyrrhotite?

379.5

379.5 End of Hole.

jugil hontitalo



PROPERTY: Tribag Mining Co., Limited

1

HOLE NUMBER. N-47

DIP TESTS

IOCATION: Batchawana Bay, Ont.

900' N60°E from Post 3, claim SSM 61131

Latitude: 10,245 N

Dip: 55°

Frotage 200' Reading Corrected

Departure: 16,990 E

Depth: 729.01

400'

600'

3 Elevation:

Commenced: Jan 24/67

5° Azimutha

Feb. 2/67 Finished:

logged by: Mathew Blecha

SAMPLE HUMSER

DESCRIPTION

0.0 Casing

22.0

Basic Volcanics, (Andesite), dark greenish grey, fine 22.0 grained to aphanitic, cut by 5-7% epidote stringers 2-3% quartz stringers with disseminated pyrite (2-5%). Some quartz stringers are bluish and probably carry traces of molybdenite. Generally hard and fairly fresh with only occasional chloritized narrow zones. Weakly fractured throughout.

Core badly broken up at 41.0-42.0' and 47-50.0' some lost core.

72.5 As above, but distinctly foliated at 30-70° core axis. Increase in fracturing and alteration to medium. 79.0

- Zone of fracturing. Holst rock as above, but strongly 79.0 fractured, with 3-4% carbonate, and hematite staining along fractures, trace pyrite, epidote 5%. 82.3 Carbonatized shear with 10% pyrite, almost parallel to core axis. 83.0 As at 79.0
  - 90.0 Fracturing decreases to low, decrease in pyrite to 2%. Core fractured and broken up at 94-95.5 and 100-101.0. 101.0
- Gabbro-Diabase(?) Imperceptible contact. Dark greenish 101.0 grey, fine grained, massive, but still weakly fractured, 1-2% pyrite, epidote 1-2% and only occasional quartz stringers some of them blue, with traces of molybdenite, fairly magnetic throughout. Occasional minor traces of chalcopyrite. Most fractures at low angles to core axis. Note a 2" carbonatized shear, with 3-4% pyrite at 15° c.a.. 148.0

**DUPLICATE COPY** POOR QUALITY ORIGINAL TO FOLLOW

DIAMOND DRILL LOG RIBAG MINING CO. LIMITED Batchawana Bay, Ontario. DIP TESTS 900' N60°E from Post 3, claim SSM 61131 10,245 N Dip Footoge Reading 2001 16,990 E Depth: 729.0\* able Meter 400 600\* Elevation Commenced Jan 24, 1967 Finished: Logged by: Feb 2, 1967 Hathew Blecha DESCRIPTION 0.0 Casing 22.01 Basic Volcanics, (Andesite), dark greenish grey, fine grained to aphanitic, cut by 5-7% epidote stringers, 2-3% quarts stringers with disseminated pyrite (2-5%)

Some quarts stringers are bluish and probably carry traces of molybdenite.-Generally hard and fairly fresh with only occasional chloritized narrow zones. Weakly fractured throughout. Core badly broken up at 41.0-42.0° and 47-50.0°

some lost core. 72.5 As above, but distinctly foliated at 30-700 corp axis. Increase in fracturing and alteration to medium.

79.0

Zone of fracturing. Host rock as above, but strongly fractured, with 3-4% carbonate, and hematite staining along fractures, trace pyrite, epidote 5%. 82.3 Carbonatized shear with 10% pyrite, almost

parallel to core axis. 83.0 As at 79.0

90.0 Fracturing decreases to low, decrease in pyrite to 2%. Core fractured and, broken up at 94-95.5 and 100-101.0

101.0

Gabbro-Diabase (?) Imperceptible contact. Dark gruenish grey, fine grained, massive, but still weakly fractured, 1-2% pyrite, epidote 1-2% and only occasional quarts stringers some of them blue, with traces of molybdenite, fairly magnetic throughout. Occasional minor traces of chalcopyrite. Most fractures at low angles to core Note a 2" carbonatized shear, with 3-4% pyrite at 150 d.A. 148.0

SSM-1586

- 148.0
- 148.0 Felsite dyke, pinkish brown, aphanitic with locally scattered fine reddish feldspar phenocrysts. Upper contact at 90° c.a., lower contact lost. Locally faintly foliated at 70° c.a. 161.0
- 161.0 Gabbro-Diabase (?) as at 101.0. Massive, relatively fresh, noticeably magnetic. Minor local foliation 1-2% quartz stringers cut by a 2" felsite dykelet at 170. Occasional narrow carbonate stringers and veinlets up to 1½". 1% pyrite, trace quartz. 240.5
- 240.5 Fault Zone, high brecciation and shearing at 35° c.a., 40% carbonate with embedded, angular, chloritized fragments. 242.5
- 242.5 Gabbro as at 161.0

  Note highly chloritized shear zones at 245.5-246.2, at 50° c.a. and at 269.5-269.8 ( 30° c.a.) 269.8
- Gabbro as above, but becoming fractured and medium chloritized, Gabbro as above, but becoming fractured and medium chloritized. Increase in epidote stringers to 3-4%, pyrite 1-2%. Note traces pyrite and magnetite at 292.0' and 403.0'. Carbonate stringers 3% at random angles. Grain size gradually becoming finer to aphanitic and fairly strongly magnitic. Note highly chloritized and carbonatized shear at 288.5. 318.0 Irregular dykelets of reddish felsite (50%) 320.0 Gabbro as above. Note several sharp contacts, at various angles, between identical rocks of slightly different colours. These may represent pillow selvages, However, volcanics in this area are ordinarily not as strongly magnetic. Sharp contacts at 192.1, 392.5, 97.7, 402.1. 406.0
- 406.0 Gabbro-Volcanics (?) as above but increase in fracturing; quartz and carbonate 1-2%, patchy epidote 5%, locally irregularly foliated. 1-2% pyrite, trace chalcopyrite. Note 1" felsite dykelet at 445.6, chloritized shear at 445-448.6 at 30° c.a., still fairly strongly magnetic. 452.6
- 452.6 Gabbro; abrupt change in texture to fine-medium grained, 40% feldspar, 60% mafics, fresh and massive, 1-2% quartz stringers. Trace pyrite.
  472.2
- 472.2 Feldspar porphyry, red, fine grained, fresh, massive, 15% biotite, 5% fine (1-2mm) feldspar phenocrysts.

  Trace disseminated pyrite. Occasional bluish quartz stringers with trace molybdenite. Sharp upper contact at 30° ca

- 148.0
  148.0 Felsite dyke, pinkish brown, aphanitic with locally scattered fine reddish feldspar phenocrysts. Upper contact at 90° C.A., lower contact lost. Locally faintly foliated at 70° C.A.
- 161.0 Gabbro-Diabase (?) as at 101.0. Massive, relatively fresh, noticeably magnetic. Minor local foliation 1-2% quartz stringers cut by a 2<sup>n</sup> felsite dykelet at 170. Occasional narrow carbonate stringers and veinlets up to 1½n. 1% pyrite, trace quartz.
- 240.5 Fault Zone, high brecciption and shearing at 35° C.A. 40% carbonate with embedded, angular, chloritized fragments. 242.5
- 242.5 Gabbro as at 161.0

  Note highly chloritized shear zones at 245.5-246.2, at 50° C.A. and at 269.5-269.8 (30° C.A.)

  269.8
- 269.8 Gabbro as above, but becoming fractured and medium chloritized. Gabbro as above, but becoming fractured and medium chloritized. Increase in epidote stringers 3 to 3-4%, pyrite 1-2%. Note traces pyrite and magnetite at 292.0' and 403.0'. Carbonate stringers 3% at random angles. Grain si gradually becoming finer to aphanitic, and fairly strongly magnitic. zeNote highly chloritized and carbonalism shear at 288.5. 318.0 Irregular dykelets of reddish felsite (50%), 320.0 Gabbro as above. Note several sharp contacts at various angles, between identical rocks of slightly different colours. These may represent pillow selvages, However, volcanics in this area are ordinarily not as atrongly magnetic. Sharp contacts at 192.1, 392.5, 97.7; 402.1.
- 406.0 dabbro-Volcanics (?) as above but increase in fracturing; quarts and carbonate 1-2%, patchy epidote 5%, locally irregularly foliated. 1-2% pyrite, trace chalcopyrite. Note 1" felsite dykelet at 445.6, chloritized shear at 445.-448.6 at 30° C.A., still fairly strongly magnetic. 452.6
- 452.6 Gabbro; abrupt change in texture to fine medium prained, 40% feldspar, 60% mafics, fresh and massive, 1-2% quartz stringers. Trace pyrite.
- 472.2
  472.2
  Feldspar porphyry, red, fine grained, fresh, massive,
  15% biotite, 5% fine (1-2mm) feldspar phenocrysts.
  Trace disseminated pyrite. Occasional bluish quarts
  stringers with trace molybdenite. Sheep upper contact of 5 ca

SHARP WIFER CONSALT AT 30

484.0

- 484.0 As above, note change in colour to yellowish green, due to medium sericitization.
  524.0
- 524.0 Zone of fracturing and sericitization. Host rock as above, but soft, sericitization fairly high. Fracturing most intense at 531-533 at low angles to core axis. Fractures filled mostly with carbonate (3-4%) some red menatite stains.

  Traces molybdenite throughout.
  536.5 Fracturing and alteration decreases to low.

  Trace molybdenite throughout.
  549.2
- 549.2 Shear Zone? Pale greenish grey zebbra-looking gneissic rock consisting of ripple-like folded layers of quartz 12-10 mm. wide spaced at 5-10 mm. intervals, interlayered with a pale green sericitized porphyry. Total quartz 45%. The rock is fractured and locally intensely altered. 559.0
- 559.0 Fault Breccia, 70% carbonate, with angular fragments of sericitized porphyry.
- 561.2 Felspar(?)Porphyry. Greyish green, very highly sericitized and chloritized soft and sheared at 50° c.a. Cut by a few molybdenite-bearing quartz stringers, and locally mineralized wite pyrite along fractures. Shearing and fracturing most intense at 566.
  -569.3.
- 569.3 Feldspar Porphyry, as at 472.2, medium fracturing and local patches of high sericitization. Occasional stringers of bluish quartz with traces of molybdenite.
  606.0 Brecciated porphyry, angular fragments, 1/8"-1" in a quartz and clayey matrix.
  607.3 As at 569.3
  638.3
- 638.3 Shear Zone, strong shearing at 30° c.a. and high sericitization carbonatization.
  639.3
- 639.3 Porphyry as at 472.0 but fairly strongly fractured, with 5% clay alteraiton along fractures. 642.7
- 642.7 Fault Zone, extreme alteration and shearing, core almost disintegrated and dark grey due to graphite(?) 643.7
- 643.7 Fractured quartz porphyry. Pale greenish grey rock consisting of fairly coarse (2-5mm) Anhedral quartz phenocrysts in an aphanitic matrix, Fairly strongly fractured and locally brecciated. Very hard and siliceous. Becoming pink at 674.0

484.0

- 484.0 As above, note change in colour to yellowish green, due to medium sericitization. 524.0
- 524.0 Zone of fracturing and sericitization. Host rock as above, but soft, sericitization fairly high. Fracturing most intense at 531-533 at low angles to core axis. Fractures filled mostly with carbonate (3-4%) some red hematite stains.

  Traces molybdenite throughout.
  536.5 Fracturing and alteration decreases to low.

  Trace molybdenite throughout.
  549.2
- 549.2 Shear Zone? Pale greenish grey zebbra-looking gneissic rock consisting of ripple-like folded layers of quartz 12-10 mm. wide spaced at 5-10mm. intervals, interlayered with a pale green sericitized porphyry. Total quartz 45%. The rock is fractured and locally intensely altered, 559.0
- 559.0 Fault Breccia, 70% carbonate, with angular fragments of sericitized porphyry. 561.2
- 561.2 Feldspar (?) Porphyry. Greyish green, very highly sericitized and chloritized, soft, and sheared at 50° C.A. Cut by a few molybdenite-bearing quartz stringers, and locally mineralized with pyrite along fractures. Shearing and fracturing most intense at 566.5-569.3.
- 569.3 Feldspar Porphyry, as at 472.2, medium fracturing and local patches of high sericitization. Occasional stringers of bluish quartz, with traces of molybdenite. 606.0 Brecciated porphyry, angular fragments, 1/8"-1" in a quartz and clayey matrix. 607.3 As at 569.3
- 638.3 638.3 Shear Zone, strong shearing at 30° C.A., and high sericitization carbonatization.
- 639.3 Porphyry as at 472.0 but fairly strongly fractured, with 5% clay alteration along fractures.
  642.7
- 642.7 Fault Zone, extreme alteration and shearing, core almost disintegrated and dark grey due to graphite (7) 643.7
- 643.7 Fractured quartz porphyry. Pale greenish grey rock consisting of fairly coarse (2-5mm.) Anhedral quartz phenocrysts in an aphanitic matrix. Fairly strongly fractured and locally brecciated. Very hard and siliceous. Becoming pink at 674.0.

The matrix gradually becomes coarse grained and the rock, assumes the appearance similar to the typical Breton Zone granite, except for prominent quartz phenocrysts.

674.0 As above, but gradually becoming pinkish. Fracturing and local brecciation still present, the brecciated phases resemble some parts of the "South Breccia" in that the fragments (1-30mm) are embedded in a whitish clayey matrix.

Most intensely brecciated at: 691-695.5, and at 705 and 709-711.0'. Only occasional bluish quartz stringers with trace molybdenite. Note irregular fractured quartz veins at 679.5-680.0' and at 681.0 and 682.5.

- 715.5 Quartz Porphyry as above, but fracturing decreases in intensity and the rock becoming more granitic in appearance.
  729.0
- 729.0 END OF HOLE.

The matrix gradually becomes coarser grained and the rock, assumes the appearance similar to the typical Breton Zone granite, except for prominent quartz phenocrysts.

674.0 As above, but gradually becoming pinkish. Fracturing and local brecciation still present, the brecciated phases resemble some parts of the "South Breccia" in that the fragments (1-30mm.) are embedded in a whitish clayev matrix.

Most intensely brecciated at: 691-695.5, and at: 705 and 709-711.0°. Only occasional bluish quartz stringers with trace molybdenite. Note irregular fractured cuartz veins at 679.5-680.0° and at 681.0 and 682.5.

715.5 Quartz Porphyry as above, but fracturing decreases in intensity and the rock becoming more granitic in appearance.
729.0

729.0 End of Hole.

Ratilia Mieley.

PROPERTY: Tribag Mining Co., Limited

HOLE NUMBER. N-49

IOCATION: Batchawana Bay, Ont.

DIP TESTS

Latitude:

10,630 N

Dip: at collar -55

Footage

Reading

Corrected

Departure:

10,620 E

Depth: 429.01

215

**−**55°

Core: A-XT

429

-54°

Elevation:

Commenced: Feb.15/67

Azimuth: N 05°E

Finished: Feb. 20/67

logged by: MATTHEW BLECHA

AMPLE	•	DESCRIPTION			
	0.0	Casing 53.0			
	53.0	Diabase, dark greenish grey, fine grained to aphanitic relatively fresh and massive, but weakly fractured throughout. 1-2% epidote, 1-2% pyrite, along fractures and minor streaks of brownish feldspattic alteration, mainly at 40° c.a. Weakly magnetic throughout. 65.0 The diabase is irregularly cut by a fine grained red felsit which comprises approximately 25-30% of the rock. Note numerous angular xenoliths of diabase in felsite (½-2") giving a locally brecciated appearance. 70.0 As at 53.0'			
	74.0	Zone of fracturing. Host rock diabasic (as at 53.0) but intensely fractured. Core very blocky, but rock still relatively fresh and magnetic. But by 1-2% carbonate stringers some showing red nematite staining Traces of pyrite throughout. Note a 3" highly epidoteized band at 45° c.a., mineralized with 15% pyrite at 109.0' 126.0 Fracturing increases in intensity. A 3" carbonate veinlet with fine fragments of diabase, running parallel to core at 127-129.0' Minor local shearing mostly at 50° ca., with association high chloritization. Trace pyrite.  Total carbonate stringers 2-3%			
	164.3				
	223.0	· · · · · · · · · · · · · · · · · · ·			

DIAMOND DRILL LOG TRIBAG MINING CO., LIMITED HOLE NUMBER DDH. Mad Eatchawana Bay, Ontario. LOCATION DIP TESTS at Collan -55 10,630 N Latitudes Dip: Dip actorollar Recommo Depth: 429.01 10,620E Departure: 215 Core: A-XT 429 Feb 15, 1967 Commenced **Elevations** Matthew Blechi Feb 20, 1967 N 050 E Azimutta Finished: Logged by: DESCRIPTION 0.0 Casing 53.0 Diabase, dark greenish grey, fine grained to aphanitic 53.0 relatively fresh and massive, but weakly fractured throughout. 1-2% epidote, 1-2% pyrite, along fractures and minor streaks of brownish feldspattic alteration, mainly at 40° C.A. Weakly magnetic throughout. 65.0 The diabase is irregularly cut by a fine grained red felsite which comprises approximately 25-30% of

74.0 Zone of fracturing. Host rock diabasic (as at 53.0) but intensely fractured. Core very blocky, but rock still relatively fresh and magnetic. Cut byrl-2% carbonate stringers some showing red hematite staining Traces of pyrite throughout. Note a 3" highly epidot-ised band at 45° C.A., mineralized with 15% pyrite at 109.01

in felsite (in-2n) giving a locally brecciated

the rock. Note numerous angular xenoliths of diabasa

126.0 Fracturing increases in itensity. A 3" carbonate veinlet with fine fragments of diabase, running parallel to core at 127-129.0° Minor local shearing mostly at . 500 C.A., with association high chloritization. Trace pyrite.

Total carbonate stringers 2-3%.

appearance.

223.0

70.0 As at 53.01

164.3 Diabase, As at 54.0'. Frequent changes in texture from 164.3 aphanitic to fine-medium grained, locally fairly strongly magnetic. Massive and fresh, mineralized with 1% pyrite along fractures. 204.0 As above, but gradually becoming faintly foliated at 35-450 C.A. Note development of coarse amphibole

which accentuates foliation. Streaks of epidote throughout, parallel to foliation. Low chloritization. 223.0

MAJOR SHATTER ZONE. Diabasic host rock. Highly shattered and locally brecciated, highly chloritized

- 223.0 (CONT'D) soft, irregularly cut b
  - soft, irregularly cut by 7-8% carbonate stringers and veinlet up to 1" in width, some stained red by hematite. Strong shearing accompanied by extreme chloritization at 230'(65-70° c.a.) and 238-239'(50° c.a.). At least 10% lost core. Note a red, shattered felsitic dykelet at 229-229.7 Strongly sheared at 243.5-247.5 at 45-60° c.a. high chloritization.

247.5 Shattered Quartz Porphyry, medium intensity of shattering. Host rock as described at 261.0'. 256.0 Fractured diabase, carbonate stringers no longer present, but core very blocky. Medium chloritization.

- Quartz-Porphyry. Pale brownish grey, medium grained rock similar to the Breton-type granite, of which this is probably a phase. Characterized by 5-6% prominent anhedral quartz phenocrysts ranging from 1-7mm in diameter. 10-15% chloritized biotite. Relatively massive, but not quite fresh, probably sericitized-can be scratched by knife. Minor fracturing, fractures coated with soft, dark green chlorite some possibly carrying minor traces of molybdenite. Same rock type encountered in bottom of DDH. N-47. Cut by a chloritized diabasic dyke at 264.5-266.0' at 20° c.a. Colour of porphyry locally changes to faintly pink, and where phenocrysts absent, the rock is indistinguishable from the typical Breton Zone granite. 320.6 Trap dyke, highly schistole at 10-20° c.a., Both contacts at 15° c.a. 323.5 As at 261.0'
- 329.5 Trap dyke, as at 320.6, schistosity not as pronounced.
  331.0 As at 261.0', but slightly pinkish colour predominates.
  Minor fracturing, with occasional distinct traces of
  molybdenite and traces of pyrite. Very gradual decrease
  in sericition.
- 429.0 END OF HOLE.

223.0 (CONT'D)

soft, irregularly cut by 7-8% carbonate stringers and veinlet up to 1" in width, some stained red by hematite. Strong shearing accompanied by extreme chloritization at 230' (65-70° C.A.) and 238-239' (50° C.A.). At least 10% lost core. Note a red, shattered felsitic dykelet at 229-229.7. Strongly sheared at 243.5-247.5 at 45-60° C.A. high chloritization.
247.5 Shattered Quartz Porphyry, medium intensity of shattering. Host rock as described at 261.0'.
256.0 Fractured diabase, carbonate stringers no longer present, but core very blocky. Nedium chloritization. 261.0

- Quartz-Porphyry. Pale brownish grey, medium grained rock similar to the Breton-type granite, of which this is probably a phase. Characterized by 5-6% prominent anhedral quartz phenocrysts ranging from 1-7mm in diameter. 10-15% chloritized biotite. Relatively massive, but not quite fresh, probably sericitized-can be scratched by knife. Minor fracturing, fractures coated with soft, dark green chlorite some possibly carrying minor traces of molybdenite. Same rock type encountered in bottom of DDH. N-47. Cut by a chloritized diabasic dyke at 264.5-266.0' at 200 C.A. Colour of porphyry locally changes to faintly pink, and where phenocrysts absent, the rock is indistinguishable from the typical Breton zone granite. 320.6 Trap dyke, highly schistole at 10-200 C.A., Both contacts at 15° C.A. 323.5 As at 261.01 329.5
  - 329.5 Trap dyke, as at 320.6, schistosity not as pronounced.
    331.0 As at 261.0\*, but slightly pinkish colour predominates.
    Minor fracturing, with occasional distinct traces of
    molybdenite and traces of pyrite. Very gradual decrease
    in sericities.
    429.0

129.0 End of Hole.

Natter Relig

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER. X-4

IOCATION: Batchawana Bay, Ont.

DIP TESTS

Latitude: 11 00S

Dip: 45°

Footage

Reading

Corrected

Departure: 47 30E

Depth: 101

core size: "EX"

Elevation:

Commenced: Oct. 5/63

Azimuth: N 45° W

Oct. 8/63 Finished:

Logged by: ROSS SHIELDS

SANTLE NUMBER

DESCRIPTION

0.0 Casing

Volcanics, fine grained to almost sphanitic, dark grey green, 1.0 few faint traces of tuff type bedding, few faint outlines of volcanic fragments. At 22, note epidotized 2 inch length of alteration material similar to rillow selvage with veinlets of pyrite and pyrrhotite whi themselves contain a few rock fragments.

Lower contact lost in short blocky core fragments. 46.5

- Impure siltstone or very fine grained sandstone; upper contact 46.5 core fragments show spots and veinlets of pyrite and traces of chalcopyrite. Siltstone is greyish pink and greenish banded possibly due to some contained pink felspar in some bands and volcanic fines in others. Unmineralized. 48.5
- Impure blue grey s-ltstone and pink granitic felsophyre 48.5 material, intermixed or interlensed. Felsophyre has pinkish to creamy feldspar pseudo-phenocrysts. Core recovery good. but blocky with numerous fragments. Unmineralized. 76.0
- Pink Brecciated. Felsophyre, granitic (streased arkosic) 76.0 material, calcareous in places, core recovery poor with numerous blocky core fragments.

80-82

87-88.4

92 - 94

97-99

101.0 END OF HOLE

Lost core...

Tribug Mining Co. Ltd.

HOLE NUMBER: X-4

LOCATION: Batchawana Boy, Ontario.

DIP TESTS

Latitude:

11 003

Dip

Footage

Reading

Corrected

Departure: 47 302

Depth: 101

Core Size "Si"

Elevation:

Commenced: October 5, 1963

Azimuth:

N 450 4

Finished: Gatobar 8, 1963

Logged by: Ross Shields

- \$26.0 - 10.0	,	
SAMPLE NUMBER		DESCRIPTION
;	0.0	Casing 1.0
	1.0	Voleanics, fine grained to almost sphanitic, dark grey grees, few faint traces of tuff type bedding, few faint outlines of voleanic fragments.  At 27, note epidotized 2 inch length of alteration material similar to pillow selvage with veinlets of pyrite and pyrohotite which themselves contain a few rock fragments.  Lower contact lost in short blocky core fragments.
	46.5	
	48.5	Impure blue grey siltstone and pink granitic felsephyre material, intermixed or interlensed. Felsophyre has pinkish to creamy feldspar pseudo-phenocrysts. Core recovery good but blocky with numerous fragments. Unmineralised. 76.0
	76.0	Pink bracciated. Felsophyre, granitic (stressed arkosic) material, calcareous in places, core recovery poor with numerous blocky core fragments. Lost core  80-82 87-88.4 92-94
		101.0 and of Hole  Ross (. Shield)

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER. X-5

LOCATION: Batchawana Bay, Ont.

DIP TESTS

Latitude: 9-20 S

Dip: -47°

Footage

Reading

Corrected

Departure: 46-90 E

Depth: 71.0 \*

Core size: EXT

Elevation:

Commenced: Oct. 8/63

Azimuth: S 45° E

Finished:

Oct. 11/63

Logged by: ROSS SHIELDS

SAMPLE NUMBER		DESCRIPTION
	0.0	Casing 5.0
	5.0	Intermixed pink granitic felsite, slightly calcareous in part and with some banded grey to grey-green silstone lenses, core blocky some 50% is present as sub-diameter core fragments. 10.0
	10.0	Grey siltstone, fine banded, brecciated in part and slightly calcareous; core blocky some 50% persent as sub-diameter core fragments. 44.5
	44.5	Graphitic core fragments and traces of pyrite and cpy. 46.0
	46.0	Grey siltstone, as at 10.0 49.0
	49.0	Pink granitic felsite and minor grey to grey green siltstone lenses, slightly calcareous in part, some epidotization of felsite. 71.0
	71.0	END OF HOLE

NO ASSAYS TAKEN

# Mond Drill Ros

History is thus in the co. Cinted.

1:3.0 15.0.20% 1.-5

LOCATION BY CITY AND BAY, ONT.

621 5

(rt.da. 9-22 €

C'2 47

festage fart o

Comercia:

Repuirs 45-90 E

Caph 71.01

Core Plant FAT 42.

1 3.5 00

Commismist

Oct. 3-63

166.66 日本野田

F. 12 25 %t. 11-63 Logg 1 by Para C t les

DESCRIPTION

C.C Cosing

5.0 Intermixed pink granitic felsite, slightly oblights in propagation with some tended grey to grey-crean siletons letter, and thooky some 50% is present as sub-discrete core for facility.

16.0 Gray cilitations, fine banded, brecoleted in part and placetry sologreous; core blocky some 50% present as sub-directly 4....5

99-5 Orig itto care in grants and troops of posite and c.

which Grey affictions, as at 10.0. .

what first eremitte felsite and minor part to prey proceed that a company of the confidence of

7..0 71.6 T. D. HOUS

15 KC1 5 WC1

THE CHIT

-- DE LEBTON 12 1003

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER. X-5

LOCATION: Batchawana Bay, Ont.

DIP TESTS

Latitude: 9-20 S

Dip: -47°

Footoge

Reading

Corrected

Departure: 46-90E

Depth: 71.01

Core size: EXT  $(17_n)$ 

17 )

Elevation:

Commenced: Oct. 8/63

 $(\frac{17}{8})$ 

Azimuth: S 45° E

Finished: Oct. 11/63

logged by: ROSS SHIELDS

& S.V. BURR

_		
	SAMPLE	
	MINABLE	

#### DESCRIPTION

	ور و و و و و و و و و و و و و و و و و و
0.0	Casing
	5.0
5.0	Intermixed pink granitic felsite, slightly calcareous in part and with some banded grey to grey-green silstone lenses, core blocky some 50% is present as sub-diameter core fragments. 10.0
10.0	Grey siltstone, fine banded, brecciated in part and slightly calcareous; core blocky some 50% present as sub-diameter core fragments. 44.5
44.5	Graphitic core fragments and traces of pyrite and cpy. 46.0
46.0	Grey siltstone, as at 10.0 49.0
49.0	Pink granitic felsite and minor grey to grey green siltstone lenses, slightly calcareous in part, some epidotization of felsite. 71.0
71.0	END OF HOLE

NO ASSAYS TAKEN

and the second s

TRIBAO MIKING CO. LIMIYED. PROPER)..

X-5 HOLE NUMBER:

LOCATION: BAICHAWAKA BAY, OFF.

**DIP TESTS** 

Latitude:

9-20 s

7470 Dip:

Footage

Reading

Corrected

Departure:

46-90 X

Depth: 72.0\*

Core size: EXT (47-")

Elevation:

Commenced:

Oct. 8-63

**Azimuth**:

8 45° %

**Finisheds** 

Oct. 11-63

Logged by:

Ross Shields

SAMPLE NUMBER

DESCRIPTION

Claim No.

SS.M. 61133

0.0 Casing

5.0 5.0 Intermixed pink greattle felsite, clichtly calcareous in park and with some bunded gray to gray-green silstone leases, cor blocky some 50% is present as sub-diameter core fragments .

10.0 Gray siltstone, fine bemisd, breceiated in part and slightly ealearcous; core blocky some 50% present as sub-dispeter cor fragments.

44.5 Graphitie core fragments and trices of pyrite and epy.

46.0 Gray siltstone, as at 10.0. 49.0

49.0 Pink granitie felsite and minor grey to grey green giltstone leases, slightly calcareous in part, some epidesisation of folsite.

72.0 71.0 PED OF HOLE

> BO ASSAYU TAKKM J/Bur

RECEIVED NOV 1 2 1963

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER, X-6

LOCATIONBatchawana Bay, Ont.

DIP TESTS

Latitude: 9-25 S

Dip: -35°

Footage

Reading

Corrected

Departure: 49-65 E

Depth: 157.0'

Elevation:

Commenced: Oct. 11/63

CORE SIZE: EXT (\_ 7

(<del>-</del> 8)

Azimuth: S 70° E

Finished: Oct. 16/63

logged by: ROSS SHIELDS & S.V. BURR

SAMPLE

DESCRIPTION

Claim No. SSM 61133

- 0.0 Casing 4.2
- Volcanics, greyish bluish green, massive in part, fine grained to nearly aphanitic in places, with some fine tuffaceous type banding, fairly numerous fine hairline fractures and jointing S-planes with quartz and quartz carbonate fracture filling material and in some places some epidotized joint filling material. Minor thin brecciation lenses or zones throughout.
- Volcanics as at 4.2 with some interlensed sherty and/or siltstone material and some minor lensy pyrrhotite mineralization with a few traces cpy.

  104.2
- 104.2 Grey to buff siltstone, in part cherty and/or feldspathic with weak to pronounced fine lensy banding and some brecciation containing pyrrhotite, minor pyrite and chalcopyrite.

  104.9 Blue grey quartzose material or chert? with some epidote several inches thick.

  118.3
- Graphite, black fine brained to amorphour, few silt, bands giving a fine banding to graphite with some pyrrhotite and trace to minor chalcopyrite; notable contortion and truncation of some bedding bands with some brecciation.

  140.0-144.0 is estimated to contain .5 to .75% Cu as chalcopyrite.
- 144.0 Graphitic siltstone, with some cherty and feldspathic material, some chalcopyrite and pyrrhotite bands in the layering.
  151.0-153.0 is estimated to run..45-.60% Cu from cpy with associated bands of sphalerite, pyrrhotite and pyrite, bacterial precipitation of sulphides, syngenetically? under anaerobit conditions.
  157.0
- 157.0 END OF H'LE

TRIBAG MINING CO. LTD. LOCATION BATCHAWANA BAY, ONT. DIP TESTS -35° 9-25 S Latitude: Departures: 49-65 15 Depth: 157.01 mmenced Oct. 11-63 Elevations 5 70° E Oct. 16-63 Ross Shields Azimuthi Burr LINNE DESCRIPTION Claim No. MIMAGE 0.0 Casing 4.2 4.2 Volcanics, greyish bluish green, massive in part, fine grained to nearly aphanitic in places, with some fine tuffaceous type banding, fairly numerous fine hairline fractures and jointing S-planes with quartz and quartz carbonate fracture filling material and in some places some epidotized joint filling material. Minor thin brecciation lenses or zones throughout. 96.5 96.5 Volcanics as at 4.2 with some interlensed charty and/or siltstone material and some minor lensy pyrrhotite mineralization with a few traces (6 cpy. 104.2 104.2 Grey to buff siltstone, in part cherty and/or felderathic with weak to pronounced fine lensy banding and some breediation containing pyrrhotite, minor pyrite and chalcoryrite. 104.9 Blue grey quartzose material or chert? with some epidots several inches thick. 118.3 118.3 Graphite, black fine grained to amorphous, few silt! bands giving a fine banding to graphite with some pyrrhotite and trace to minor chalcopyrite; notable contortion and truncation of some bedding bands with some brecciation. 140.0-144.0 is estimated to contain .5 to .75% Cu as chalcopyrite. 144.0 144.0 Graphitic siltatone, with some cherty and feldspathic material, some chalcopyrite and pyrrhotite bands in the layering. 151.0-153.0 is estimated to run .45-.60% Cu from cpy with associated bands of sphalerite, pyrrhotite and pyrite, becterial precipitation of sulphides, syngenetically? under amerobic conditions. J.V.Bur 157.0 157.0 END OF HOLF.

RECEIVED NOV 1 2 1963

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. X-7

IOCATIONBatchawana Bay, Ont.

DIP TESTS

Latitude:

9-90 S

Dip: -35°

Footage

Reading

Corrected

Departure: 50-00 E

Depth: 28.0\*

CORE SIZE: EXT

Elevation:

20.U

RE SIZE: EXT  $(-\frac{7}{8})$ 

Elevation:

Commenced:

Oct. 16/63

Azimuth: South (S 30°E)

Finished: Oct. 17/63

togged by: ROSS SHIELDS & S.V. BURR

SAMPLE

DESCRIPTION

Claim No. SSM 61133

0.0 Casing 12.0

12.0 Very fine grained to aphanitic cherty or cherty siltstone, light pinkish grey and with some minor brecciation with a few fine 1/32-1/16" quartz and carbonate veinlets. At 13.5, note greenish blck mottling, 1/32-3/32" in size with faint traces of pyrite, chalcopyrite and sphalerite throughout.
28.0

28.0 END OF HOLE

Drilling too rough on bits.

NO ASSAYS TAKEN.

TRIBAG MINING CO. LIMITED. PROPERTY: BATCHAWANA BAY, ONT. LOCATION 9-90 B Lattudes 50-0 0 B Core size: ZCI Commenced Oct. 16-63 South (5 300 E) Philhod Oct. 17-63 LAMPLE Claim No. SSM. DESCRIPTION . HUMLER 0.0 Casing 12.0 12.0 Very fine grained to aphanitic efferty or cherty siltatone, light pinkish grey and with some minor brecciation with a few fine 1/32-1/16" quartz and carbonate veinlets. At 13.5, note greanish blck mottling, 1/32-3/32" in size with faint traces of byrite, chalcopyrite and sphalerite throughout. 28.0 END OF HOLE Drilling too rough on bits . NO ASSAYS TAKEN, 1 J. Bur

PROPERTY: Tribag Mining Company Ltd.

HOLE NUMBER, X-8

LOCATION: Batchawana Bay, Ont.

DIP TESTS

latitude: 720 S

Dip: 30°

Footage

Reading

Corrected

Departure: 5000E

Depth: 103.0

Claim No. 61133

Elevation:

SAMPLE NUMBER Commenced: Oct. 17/63

EXT core

Azimuth: N 28°W

Finished: Oct. 24/63

logged by: M. Blecha

1		DESCRIPTION
	0.0	Casing 3.0
	3.0	diorite, fine-medium grained, fresh, (possibly a boulder) 3.8
	3.8	Volcanics. Very fine grained, massive, fresh, cut by hair- then epidote and quartz stringers. 10.0 Highly siliceous, slightly foliated volcanics with 50% quartz stringers and patches. Trace po, py 11.0 Volcanics, as before, massive and fresh, except for few short, medium to highly epidotized phases. 77.0 Volcanics, slightly brecciated, and chloritized, with 5% quartz stringers and patches. 77.5 Volcanics, as at 3.8. Trace po associated with minor quartz stringers, Few minor highly epidotized sections, but in general massive and fresh. 103.0
	103.0	END OF HOLE

PROTER).. Tribag Mining Company Ltd., HOLE NUMBER: X-8 .

LOCATION: Batchawana Bay, Ontario

**DIP TESTS** 

720 S Latitude:

Dip: 30°

Footage

Reading

Corrected

Departure: 5000 E

103.0 Depthi

Claim No. 61133

Elevation:

Commenced: Oct. 17, 1963

EXT core

N 280 W Azimyths

Finished:

Oct. 24, 1963 Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION	
	o.0' Casing 3.0	
	3.0 diorite, fine- medium grained, fresh, (possibly a boulder) 3.8	
	Volcanics. Very fine grained, massive, fresh, cut by thin epidote and quartz stringers.  10.0 Highly siliceous, slightly foliated volcanics with 50% quartz stringers and patches. Trace po, py. 11.0 Volcanics, as before, massive and fresh, except for few short, medium to nightly epidotized phases.  77.0 Volcanics, slightly brecciated, and chloritized, with 5% quartz stringers and patches.  77.5 Volcanics, as at 3.5. Trace po associated with minor quartz stringers, Few minor highly epidotized sections, but in general ressive and fresh.  103.0	
	103.0 Eau of hole. Cathleen Melle	

BECEINED HOW 17 1983

PROPERTY. Tribag Mining Co. Ltd.

HOLE NUMBER. X-24

LOCATION: Batchawana Bay, Ont.

DIP TESTS

Latitude: 950 S

Dip: -45°

Footage

Reading

Corrected

Departure: L 44E

Depth: 101.3\*

**Elevation:** 

Commenced: July/65

Azimuth: Grid North

Finished: July/65

togged by: L.Koskitalo

SAMPLE NUMBER		DESCRIPTION
	0.0	0.0 Volcanics-Greenish black, hard, non magnetic, fine grained, fairly massive, cut by 1/10% quartz and trace carbonate in ½-1 mm. stringers at all angles to c.n. with average perference of 20-35% c.n.(?) - rock is an andesite? but slightly, if at all altered. 35.3
	35.3	Rhyolite-Pale pink, some buff, fine grained to aphanitic, massive, hard, cut by hairline stringers quartz, minor carbonate. 87.1
	87.1	Volcanic, as above, but sheared - shearing wavy but it and contacts with adjacent rhyolite average 20°-25° c.n. Alteration medium-low? - sericite and minor epidotization. 88.5
	88.5	Rhyolite-grey and black streaked by hairline partings at average 30° c.n.
	91.1	
	99.4	

**PROPER** 

Tribag Kining Co. Ltd.

HOLE NUMBER: X-24

LOCATION:

Batchawama Bay, Ont.

**DIP TESTS** 

Latitude:

950 S. L. 44 E

Dip: -45\*

Footage

Reading

Corrected

Departure:

L 44E

Depth: 101.3

Elevation:

Commenced: July 1965

Azimuth:

Grid North

Finished: July 1965

Logged by: L. Koskitalo

SAMPLE NUMBER		DESCRIPTION
	0.0	0.0 Volcanics - Greenish black, hard, non magnetic, fine grained, fairly massive, cut by 1/10% quarts and trace carbonate in 1/2 - 1 mm. stringers at all angles to c.n. with average preference of 20-35% c.n.(?) - rock is an andesite? but slightly, if at all, altered.
	35.3	35.3  Rhyolite - Pale pink, some buff, fine grained to aphanitic, massive, hard, cut by hairline stringers quarts, minor carbonate.
	87.1	87.1 Volcanic, as above, but sheared - shearing wavy but it and contacts with adjacent rhyolite average 20°-25° c.n. Altoration medium-low? - sericite and minor epidotisation
	80.5	88.5 Rhyolite - gray and black streaked by hairline partings at average 30° c.n. 91.1
	91.1	Rhyolitic Rock - grey in colour as streeked by 25-30%(?) mafic bands at average 35° c.n, banding averages 2-3 mm., is somewhat indistinct. 3-5% greenstone - 2" band. 99.4
	99.4	Rhyolito. 101.3 - End of Hole.

Thought Koshitalo

PROPERTY: Tribag Mining Co. Ltd.

X-27 HOLE NUMBER.

LOCATION: Batchawana Bay, Ont.

Claim SSM 61131 (Group G)

DIP TESTS

:Macritache:

Dip:-45°

Footage

Reading

Corrected

xhepaxtonex 351'S

Depth: 25.01

L68E

Commenced:

Sept./65

Azimuth:

Elevation:

S 27°W

Finished: Sept./65

logged by:

M. Blecha

(south along L68)

SAMPLE NUMBER

DESCRIPTION

Quartz-Porphyry. Pale pink, acidic rock. 0.0 - 25.0

Aphanitic matrix, with 10-15% anhedral quartz phenocrysts (1-5 mm.) Minor local epidot-

ization, massive and fresh, but slightly fractured, and very blocky. Poor core recovery.

25% lost core.

25.0

25.0

END OF HOLE

PROPEL

Tribag Mining Co. Ltd.

HOLE NUMBER:

X-27

LOCATION:

**DIP TESTS** 

Batchawana Bay, Ontario Claim SSM 61131 (Group G)

**JEXXXX** 

Footage

Reading

Corrected

DESCRIPTION OF

351'5 L68E

Depth: 25.0\*

Dip: -45°

Elevation:

SAMPLE

NUMBER

Commenced: September 1965

S 27°W Azimuth:

Finished: September, 1965

DESCRIPTION

Logged by: M. Blecha

(south along L68)

Quarts-Porphyry. Pale pink, acidic rock. Aphanitic matrix, with 10-15% anhedral quarts phenocrysts (1-5 mm.). Kinor local epidot-0.0-25.0 isation, massive and fresh, but slightly fractured, and very blocky. Poor core recovery. 25% lost core. 25.0

25.0 End of Hole.

latitus Micha

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. X-28

LOCATION Batchawana Bay, Ont.

DIP TESTS

Claim SSM 61131 (Group G) Dio:

900

Footage Reading

Corrected

**XMOORNOUS** 

Elevation:

3+53S

Depth: 25.01

L68-03E

(X-27) = 1'

Commenced: Oct./65

Azimuth:

Finished:

Oct./65

Logged by:

M. Blecha

SAMPLE NUMBER

DESCRIPTION

0.0 Quartz Porphyry, as in D.D.H. X-27 Pale pink, aphanitic matrix, with 10-15% round anhedral phenocrysts (1-15 mm). Trace pyrite along fractures, minor epidotization. Poor core recovery, blocky ground. 25% lost core. 25.0

25.0 END OF HOLE

Tribag Mining Co. Limited PROPEL

HOLE NUMBER:

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Claim SSM 61131 (Group G)

XXXXXXXX

Footage Reading

Corrected

X-28

3+53S XXXXXXXXX L68-03E

Depth: 25.01

90°

Dip:

Elevation:

(x-27) + 1'

Commenced: October, 1965

Azimuth.

Finished: October 1065

Logged by

	Finished: October, 1965 Logged by: M. Blecha	
	DESCRIPTION	
0.0	Quarts Porphyry, as in D.D.H. X-27. Pale pink, aphanitic matrix, with 10-15% round anhedral phenocrysts (1-5 mm.). Trace pyrite along fractures, minor epidot- isation. Poor core recovery, blocky ground. 25% lost core.	
25.0	25.0 End of Hole.	
	//2	
	lately Milly	
		O.O Quarts Porphyry, as in D.D.H. X-27. Pale pink, aphanitic matrix, with 10-15% round anhedral phenocrysts (1-5 mm.). Trace pyrite along fractures, minor epidotisation. Poor core recovery, blocky ground. 25% lost core.

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. X-29

LOCATION: Batchawana Bay, Ont.

DIP TESTS

XXXXX Claim SSM 61131

(Group G)

Dip: 90°

Footage

Reading

Corrected

3+73S

Depth: 25.01

L68-04E Elevation: (X-27) + 13

Commenced:Oct./65

Azimuth:

Finished:

Oct./65

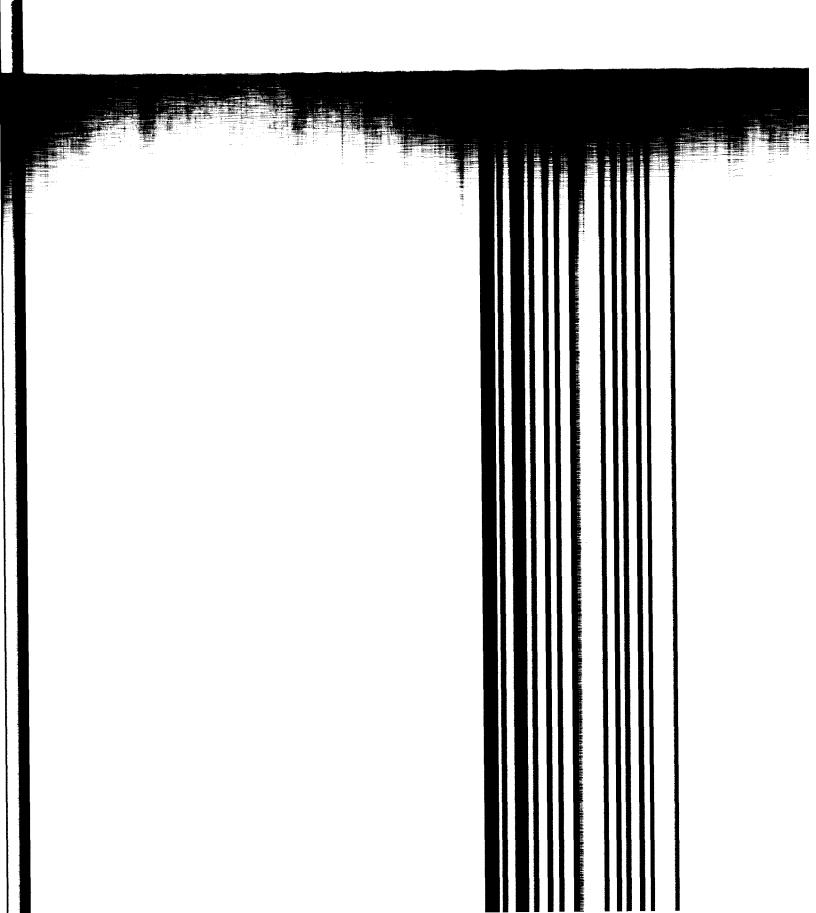
logged by: L.Koskitalo

SAMPLE NUMBER

DESCRIPTION

Fresh, vaguely foliated (at 45° c.n.), pink, hard, 0.0 felsophyre - contains 2-4% blurry, 1-2 mm. quartz eyes, white and glassy, in pink aphanitic matrix. Also minor foliated (45° c.n.) dark greer black, non-magnetic, medium soft, chloritized (medium altered) basic volcanic over a 2' width. Also a bare trace of fine ( mm.), partly oxidized, disseminated pyrite localized in basic volcanics and in one length of felsitic material - a few Fe disseminated, some oxidation, minor alteration. 5.6-5.9-Lost core. 8.2-9.0 - Lost core. 14.0-14.6 - Lost core. 14.8-17.1 - Basic volcanics, Fe stained on some breaks, minor fine, oxidized pyrite. 16.3-16.8 - Lost core 25.0

END OF HOLE 25.0



Tribag Mining Co. Limited PROPERTY:

HOLE NUMBER X-29

LOCATION: Batchawana Bay, Ont.

DIP TESTS

XXXXX Claim SSM 61131

(Group G)

Dip: 90°

Footoge

Readina

Corrected

3+73S

Depth: 25.01

L68-04E

Elevation: (X-27) + 13

Commenced:Oct./65

Azimuth:

Finished:

Oct./65

logged by: L.Koskitalo

SAMILE NUMBER

#### DESCRIPTION

Fresh, vaguely foliated (at 45° c.n.), pink, hard, 0.0 felsophyre - contains 2-4% blurry, 1-2 mm. quartz eyes, white and glassy, in pink aphanitic matrix. Also minor foliated (45° c.n.) dark greer black, non-magnetic, medium soft, chloritized (medium altered) basic volcanic over a 2' width. Also a bare trace of fine ( mm.), partly oxidized, disseminated pyrite localized in basic volcanics and in one length of felsitic material - a few Fe stained partings - cut by less than 5% quartz in 1"-3/4" veinlets, generally parallel foliation. Note: 2.7-4.2 - Pyrite zone in felsophyre - 3/4% disseminated, some oxidation, minor alteration. 5.6-5.9-Lost core. 8.2-9.0 - Lost core.14.0-14.6 - Lost core. 14.8-17.1 - Basic volcanics, Fe stained on some breaks, minor fine, oxidized pyrite. 16.3-16.8 - Lost core 25.0 25.0 END OF HOLE

PROPEL

Tribag Mining Co. Limited

HOLE NUMBER:

X-29.

LOCATION: Batchawana Bay, Ontario Claim SSM 61131 ( Group G)
Dip: 90

DIP TESTS

Footage

Reading

Corrected

3+738 MOCHENITOR OF L68-04E

Depth: 25.01

Elevation:

Commenced: October, 1965

Azimuth:

(X-27) +13!

Finished: October, 1965

Logged by: L. Koskitalo

SAMPLE DESCRIPTION NUMBER 0.0 Fresh, vaguely foliated (at 45° c.n.), pink, hard, felsophyre - contains 2-4% blurry, 1-2 mm. quarts 0.0 eyes, white and glassy, in pink aphanitic matrix. Also minor foliated (45° c.n.) dark green black, non-magnetic, medium soft, chloritized (Medium altered) basic volcanic over a 2' width.
Also a bare trace of fine (1/2 mm.), partly oxidized, disseminated pyrita localized in basic volcanics and in one length of felsitic material - a few Fe stained partings - cut by less than 5% quartz in 1/4"-3/4" veinlets, generally parallel foliation. Note: 2.7-4.2 - Pyrite zone in felsophyre - 3/4% disseminated, some oxidation, minor alteration. 5.6-5.9 - Lost core. 8.2-9.0 - Lost core. 14.0-14.6 - Lost core. 14.8-17.1 - Basic volcanics, Fe stained on some breaks, minor fine, oxidized pyrite. 16.3-16.8 - Lost core. 25.0 25.0 End of Hole.

Horgel Hashitick

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER. X-30

Reading

Corrected

IOCATION: Batchawana Bay, Ont.

Claim SSM 61131 (Group G) :skuttuk

-90° Dip:

DIP TESTS

Footoge

L68+00E

жекогюн: 3+77S

Depth: 102.51

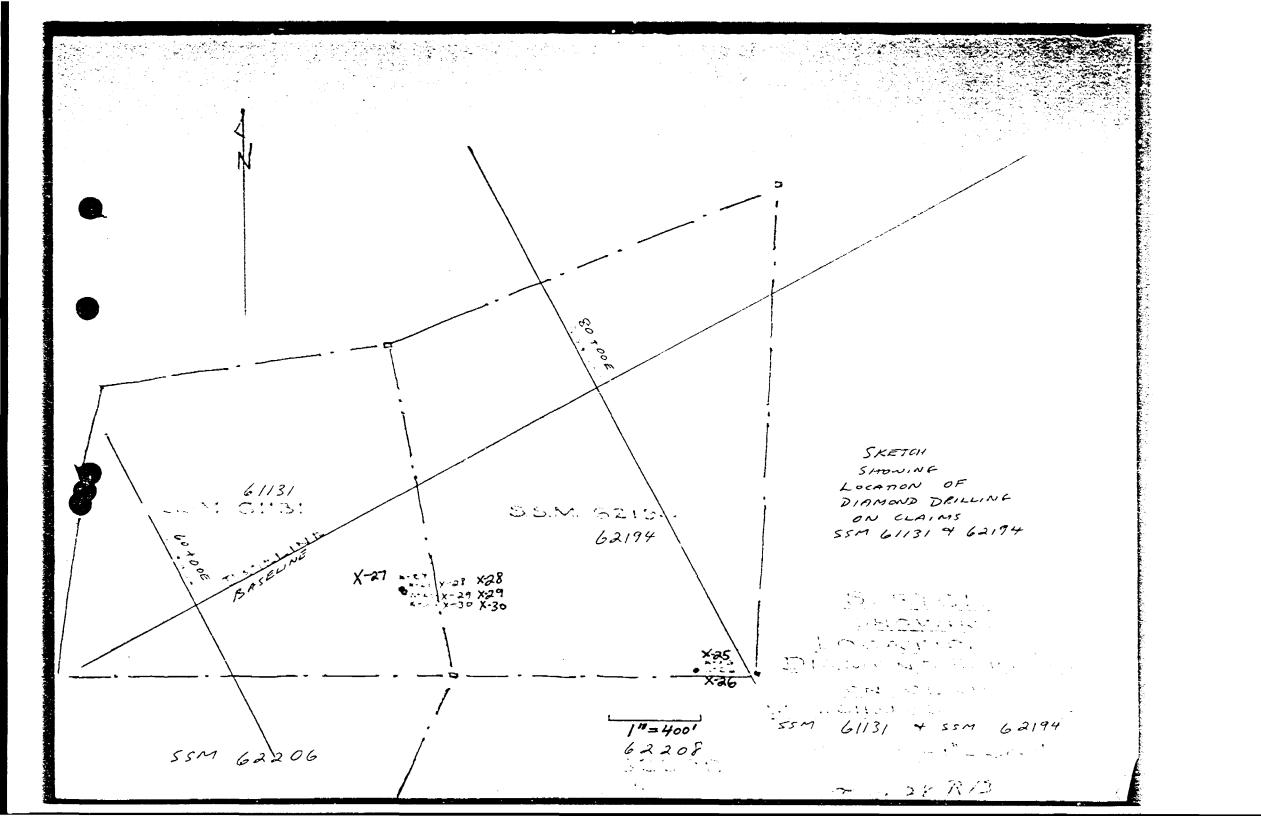
Elevation:  $(X-27) + 16\frac{1}{2}$ 

Commenced: Oct./65

Azimuth:		Finished:	Nov.10/65	logged by:	L. Koskitalo
SAMPLE NUMBER	•	DE	SCRIPTION	<del></del>	
	0.0	foliated, with el	fresh, cut by 10% ongated 1 x 2 mm. tringers at 50° c.	quartz eyes	<ul><li>foliation</li></ul>
	1.3	Basic volcanic, m sericitization in dark green to gre 1-11% disseminate pyrite, cut by 10 1 pyrite somewhat hematite/limonite	edium chloritized, l mm. blebs and s en black, foliated d and fine stringe % quartz (localized oxidized; volcant stained parting.	stringers, no d at average ered pyrite, ed in one led ic also cut l	on-magnetic(?) 45° c.n., with trace chalco- ngth) - about by some
	11.6	minor pyrite; no Foliated and shea material, felsiti low-medium chlori average 50° c.n. 2% in some 2 mm.		ation of adj ith minor ba fresh, basi otization, f }" stringer pyrite in ba	acent volcanics. sic volcanic c material oliation at s, and
	30.3	23.5-24.5 - Quart in \(\frac{1}{2}\)"-3/4" string 24.5-30.3 - Stron 28.2-30.3- Basic Relatively massiv in 1-2 mm. eyes; but minor; cut by hematite stained 56.0-56.7 - Lost 65.0-87.0 - Very 20° c.n minor	z stringer area - gers. ag foliation/shear volc. ve felsophyre, lig some vague foliat v l% quartz in {" partins. as in ne core. vague zone of wea elongation and al	zone.  ht pink, fre ion in place stringers; t ar surface r  kly develope ignment of 1	esh; 4-5% quartz es at 20° c.n.; race pyrite; ocks, are nil. ed foliation at
	102.5		eldspar phenocryst	5 (2-3% OI I	UCK).

Tribag Mining Co. Ltd. X-30 PROPEL HOLE NUMBER: Batchawana Bay, Ontario Claim SSM 61131 (Group G) **DIP TESTS** -90° rayyyy;x Corrected Footage Reading L68+00E 3+778 102.51 **BESTATE** Depth: Commenced: October (x-27) + 1631. 1965 Elevation: Finished: November 10, 1965 Logged by: L. Koskitalo Azimuth AMPLE UMBER DESCRIPTION Pink felsophyre, fresh, cut by 10% quarts in 1/4" stringers, foliated, with elongated 1 x 2 mm. quarts eyes - foliation 0.0 and most quartz stringers at 50° c.n. Some hematite/limonite stained breaks, no sulphides. Basic volcanic, medium chloritized, some epidotization, sericitization in 1 mm. blebs and stringers, non-magnetic(?) 1.3 dark green to green black, foliated at average 450 c.n., with 1-12% disseminated and fine stringered pyrite, trace chaldopyrite, cut by 10% quartz (localized in one length) - about 1/4 pyrite somewhat oxidized; volcanic also cut by some hematite/limontite stained partings.
9.5-11.6 - Quartz-rich (50%) sone - milky, massive quartz; minor pyrite; no increase in alteration of adjacent volcanics. 11.6 Poliated and sheared felsophyre, with minor basic volcanic material, felsitic material mostly fresh, basic material 11.6 low-medium chloritized, minor epidotization, foliation at average 50° c.n. 25 quartz in some 1/2" stringers, and 2% in some 2 mm. stringers; trace pyrite in basic volcanics; felsophyre as at 0.0, basics as at 1.3. 11.6-28.2 - Pink felsophyre. 16.1-18.5 - Lost cors.
23.5-24.5 - Quartz stringer area - 25% milky to smoky quartz in  $1/4^n-3/4^n$  stringers. 24.5-30.3 - Strong foliation/shear zone. 28.2-30.3 - Basic volc. 30.3 Relatively massive felsophyre, light pink, fresh; 4-5% quarts 30.3 in 1-2 mm. eyes; some vague foliation in places at 20° c.n., but minor; cut by 1% quartz in 1/4" stringers; trace pyrite; hematite stained partings, as in near surface rocks, are mil. 56.0-56.7 - Lost core. 65.0-87.0 - Very vague zone of weakly developed foliation at 20° c.n. - minor elongation and alignment of 1-2 mm. quartz eyes, and 1 mm. feldspar phenocrysts (2-3% of rock). 102.5 End of Hole. 102.5

Hagol Koskitalo



PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. E.B.2

toCATIONBatchawana Bay, Ont.

DIP TESTS Pajari

Latitude: 12.00S

Dip: 90°

Footage 677

Reading N67°W

Corrected 88°

Departure: 60.00E

Depth: 687

Elevation:

Commenced: Sept. 26/63

Azimuth:

Finished: Sept. 30/63

logged by: Ross Shields

zimuth:	Finished: Sept. 30	logged by: ROSS ShieldS
SAMPLE . NUMBER	DESCRIPTION	
	.0 Casing	The same of the sa
10	material and interlensed a contains some fragments ar smaller in particle size. amounts of chalcopyrite ar siderable amounts of sever	ccs, with admixed argillaceous siltstone argillaceous siltsonte, part of which and fines of volcanics 3/32 inch and Well mineralized with pyrite, trace and sphalerite. Zone also contains contain sulphides, possibly pyrrhotite seer amounts of a sulphide resembling
	<pre>violarite. Thorough sampli Mineralization is of both</pre>	ing awaits arrival of check assays.  the disseminated and spotty types with s up to 11 inches in size. Some
	jointing S planes are chlomolybdenite plated.	oritized and/or steatized and a few are
2	47.5 Diabase gabbro?, dark grey light to medium chalcopyr: fine 1/32-1/10 inch spots traces of molybdenite plat	y green, fine grained, massive, with ite, mineralization as disseminated and some thin 1/32-1/10 inch veinlets, ting on some jointing S planes.
3	09.0 Altered tuffaceous volcans slightly calcareous through Lightly mineralized, chalcand molybdenite and minor amount and/or arsenides.  340.0 - Green steatized calcand and and and and and and and and and	copyrite, traces of sphalerite and unts of possible nickel sulphides laystone and some altered volcanics. admixed argillaceous siltstone as at 309 accous and with minor amounts of
3	91.5 Fairly pure siltstone. 397.0 - Altered tuffaceou argillaceous siltstone, 1	s volcanics, with minor admixed ight chalcopyrite mineralization and ulphides development possibly N. sulphid
4	41.0 Agglomeratic, slightly ca	lcareous, volcanic fragments 1/32-3 inch size, Patches of epidotization
4	95.0 Altered volcanics, mixed	tuffaceous and agglomeratic with trace opyrite, nickel sulphides and/or arsenic

Tribag Mining Co. Limited

HOLE NUMBER: K.B.2.

Batchawana bay, Ontario LOCATION:

DIP TESTS

Latitude:

12.005

Pajari-677 Dip:

Flyari Reading

Corrected

Departures

60.00E

Footage 677

N670N

કે કુ હ

Elevation:

Depth: 687 Commenced: 5 opt. 26,1963

MPLE		DÉSCRIPTION
MBER		DESCRIPTION
	0.0	Casing 10.0
	10.0	Altered tuffaceous volcanics, with admixed argillaceous siltatone material and interlensed argillaceous siltatone, part of which contains some fragments and fines of volcanics 3/32 inch and smaller in particle size. Well mineralized with pyrite, trace amounts of chalcopyrite and sphalerite. Zone also contains con-
		siderable amounts of several sulphides, possibly pyroholite and/or pentlandite and lesser amounts of a sulphide resembling violarite. Through sampling awaits arrival of check assays.
		Hineralization is of both the disseminated and spotty types with spots of massive sulphides up to la inches in sise. Some
		jointing 5 planes are chloritised and/or steatised and a few are molybdenite plated. 247.5
	247.5	Diabase gabbro?, dark grey green, fine grained, massive, with light to medium chalcopyrite, mineralization as disseminated fine 1/32-1/10 inch spots and some thin 1/32-1/10 inch veinlets.
		truces of molybdenite plating on some jointing 5 planes. The interval from 285-335 is estimated to run .75-1.3% Cu. 309.0
	309.0	Altered tuffsceous volcanics with admixed argillacoous siltatone, slightly enloareous throughout.
		Lightly mineralised, chalcopyrite, traces of aphalerite and molybdenite and minor amounts of possible nickel sulphides and/or arsenides.
		340.0 - Green staatized claystone and some altered volcanics. 342.5 - Altered tuff and admixed argillaceous siltatone as at 309. 350.0 - Siltatones argillaceous and with minor amounts of
	391.5	admixed volcanics and trace amounts of sulphides. 391.5 Pairly pure siltatone.
	J74.0	397.0 - Altered tuffaceous volcanies, with minor admixed argillaceous siltatone, light chalcopyrite mineralization and in places fairly strong sulphide development possibly N. sulphides
	441.0	441.0 Agglomeratic, elightly calcareous, volcanic fragments 1/32-3 inche in sise, 1/32-3 inches in size. Patches of epidotisation 1/4-12 inches in sixe. 495.0
	495.0	Altered volcanics, mixed tuffsceous and agglemeratic with trace

perhaps are slightly more abundant, also there are traces of molybdenite and sphalerite.

518.0 - Shear cone, schistose volcanics, chloritized and with some quartz carbonate.

526.0 - Some tuff bands have a near massive appearance within their boundaries and might be interpreted as diabase gabbro by some.

600.0 - Shear zone, schistosity parallel to the core containing chloritized volcanics and quartz carbonate.

614.0 - Altered volcanics slightly calcareous, mainly tuffaceous as at 495.0 with minor in situ, shattering and fine veinlet inter fragment quartz carbonate material.
687.0 - END OF HOLE

perhaps are slightly more abundant, also there are traces of molybdenite and sphalerite.
518.0 - Shear zone, schistose volcanics, chloritized and with some quartz carbonate.
526.0 - Some tuff bands have a near massive appearance within their boundaries and might be interpreted as diabase gabbro by some.
600.0 - Shear zone, schistosity parallel to the core containing chloritized volcanics and quartz carbonate.
614.0 - Altered volcanics slightly calcareous, mainly tuffaceous as at 495.0 with minor in situ, shattering and fine veinlet inter fragment quartz carbonate material.
687.0 - End of Hole.

- Ross C. Milals

PROPERTY: Tribag Mining Company Ltd.

HOLE NUMBER, E.B.-3

IOCATION: Batchawana Bay, Ont.

DIP TESTS

Latitude: 1400 S

Dip: 90°

Footage

Reading

Corrected

Departure: 6200 E

Core size 11"

at 500.0'

Depth: 501.01

-89°

Elevation:

Commenced: Oct.2/63

Deepening Common. Nov.16/63

Fin.

Nov.20/63

Azimuth:

SAMPLE. NUMBER

Oct. 4/63 Finished:

M. Blecha logged by:

₹ . •	DESCRIPTION
0.0	Casing
14.0	Gabbro, fine to medium grained, dark green; low to medium epi-
	dotization. From 14.8 to 15.3 the rock is medium sericitized, carbonatized and mineralized with 5-7% py.
20.0	Mineralized zone, 2-3% py, trace cpy in an altered fragmented
	zone. The rock is pale greyish green, medium to highly frag-
	mented and contains 2-3% reddish acidic angular fragments
	(5mm-30mm) and 1% white siliceous and feldspathic fragments.
	Medium patchy epidotization and white carbonatizaion. low chlorite and siricite. The zone contains less than 5%
	dark green, siliceous phases. QC 1-2%
	84.0 Fine grained aphanitic, dark green massive, hard
	rock (volcanics?). Miner epidotization, 1-2% quartz carb-
	onate stringers with trace py. Relatively sharp lower contact
	at 50-55° c.n.
	88.5 As at 20.0'. Acidic fragments increase to 15% and
	the rock resembles the rhyolite agglomerate as described in EB-11, EB-7. Trace py.
	130.0 as above, but py increases to 1-2% Locally evident
	gabbroic texture.
	117.8 END OF HOLE

#### 117.8 Deepened

117.8 Zone of weak mineralization, fragmentation and alteration, as above. 1-2% pv (with local concentrations). Medium to high fragmentation, medium patchy, white carbonatizaiton, epidotization, high parchy chloritization. The rock includes 10-15% red acidic fractured fragments (5-50mm). QC stringers and patches 2-3%. The zone contains 5-10% short (few inches) zones of relatively massive and fresh gabbroic and fine grained volcanics rock (as described at 84.0 Note a 1-2; long section of well banded (30°c.n.) reddish grey acidic rock (rhyolite-tuff) at 159.2 195.6 Gabbro, fine to medium grained, dark green, massive, 2-3% quartz carbonate stringers, trace disseminated py. 200.0 As at 117.8. 1-3% py. 203.7 Gabbro as at 195.6, trace py, minor epidote, QC less than 1%.

> **DUPLICATE COPY** POOR GUALITY ORIGINAL TO FOLLOW

# DIAMOND DRILL LOG RECEIVED 1104 2 5 1963.

PROPERTY: Tribag Mining Company Ltd.

HOLE NUMBER: 13-3

.. OCATION Batchewana Bay, Ontarie

DW TESTS

Latitude: 1400 S

Dip: 90° Core Size li\*

at 500.0!

dang Co

Departures 62008

Depthi 501.0

Despening Common.

Nov.16/63 Nov.20/63

Elevations

Commenced October 2, 1963

Finished October 4, 1963 Looged by Mar Blecha Azimuth: SAMPLE DESCRIPTION HUMBER 0.0 Casing 14.0 Gabbre, fine to medium grained, dark green; lew to medium opi-14.0 detisation. From 14.8 to 15.3 the reak is medium faribitised, carbonatized and mineralized with 5-7% py. 20.0 Mineralized sone, 2-3% py, trace cpy in an altered fragmented 20.0 The rock is pule greyish green, medium to highly fragmented and centains 2-3% reddish acidic angular fragments (5mm-30mm) and 1% white siliceous and feldspathie fragments. Medium patchy epidotization and white carbonatization, lew chlerite and siricite. The zene centains less than 5% short (2"-1") relatively massive gabbreic and fine grained dark green, siliceous phases. QC 1-2%. 84.0 Fine grained theme aphanitie, dark green, massive, hard rock (velcanics?). Miner epidetisation, 1-25 quarts extennate stringers with trace py. Relatively sharp lewer contact st 50-55° c.n. the reck resembles the rhyslite agglemerate as described in EB-11, EB-7. Trace py. 130.0 as above, but py increases to 1-2% locally evident gabbreic textures. 117.8 End of hele. 117.8 Zene of weak mineralization, fragmentation and alteration;
as above. 1-2% py (with local concentrations). Medium to
high fragmentation, medium patchy, white carbonatization,
epidetization, high patchy chloritization. The reck includes 10-15% red acidic fragtured fragments (5-50mm). Of stringers and patches 2-3%. The mene centains 5-10% a (few inches) zones of relatively massive and fresh gabers; and fine grained velcanics rock (as described at a second and fine grained velcanics rock (as described at the Note a 1-2' long section of well banded (30, c.n.) grey acidic reck (rhyelite-tuff?) at 159.2 195.6 Gabbre, fine to medium grained, dark green, madsive, 2-3% quarte carbenate stringers, trace disseminated, py 200.0 As at 117.8. 1-3% py. 203.7 Gabbre as at 195.6, trace py, miner epidete, QC Less than 1%. 208.8

- Mineralized Zone. 3-5% py, 1-2% po, in an altered and fragmented zone as at 117.8.

  210.0 Mineralization decreases to 1-2% po and py trace py and MoS<sub>2</sub>. The rock has a highly brecciated appearance and consists of 10% subrounded and angular fine grained, dark green fragments (5-30 mm) 10% red acidic fragments in a fragmented epidotized and carbonatized matrix, Note a 4" irregular inclusion of dark brown, fairly hard, foliated material at 210.8 212.5 Zone of alteration and fragmrntation, as at 117.8 py 2-3%, po 1-2% 214.5 Siliceous zone, 40-50%, white introduced quartz, with 40% red acidic inclusions and 5% chloritized parches. Trace cpy, 1-2% po,py. Trace MoS<sub>2</sub>
- 216.0 Volcanics, dark green fine grained to aphanitic, redatively fresh and massive, 5-7% epidote stringers and patches, less than 1% quartz stringers. 1% py 222.5 Mineralized zone, 5-6% py, 5% po, in a fine grained pale green, medium carbonatized and chloritized rock. Note sphalerite in a 5mm fracture at 223.6
- 223.6 Felsite Rhyolite? medium fractured and fragmented pink aphanitic acidic angular masses 90%, cut by QC stringers (5%); chloritized and carbonatized fractues 5%. Trace py.
- Mineralized zone, 2-3% po, 1-2% py, trace cpy, trace MoS, in a medium fragmented pale green rock as at 117.8. Red and brown acidic fragments less than 1% Increase in QC stringers, patches and inclusions (5-20mm) to 5-7%. Medium patchy chloritization of reddish Gabbroic zone from 235.7 to 236.5.

  240.3 Aplite? fine grained, pale greenish brown. Sugary texture, relatively massive.

  241.7 Mineralized zone. as at 225.0

  242.7 Siliceous zone; dark green, aphanitic, very hard rock; 2-3% white quartz stringers and patches; 2-3% disseminated py, becoming pale green, due to sericitization from 244.0 on.
- 245.0 Green dyke. pale yellowish green, fine grained siliceous, hard, very faintly feliated at 55° c.n. Sharp, irregular lower contact.
- 246.0 Mineralized zone, 2-3% py; 1-2% po, trace cpy with minor local concentrations. The rock is greyish green, altered and fragmented. High patchy chloritization, invaded by 5-7% white quartz stringers and patches; some with embedded fragments (5-20mm) of fine grained basic rock.

- Mineralized Zone, 3-5% py, 1-2% po, in an altered and fragmented zone as at 117.8.

  210.0 Mineralization decreases to 1-2% pe and py, trace pv and MeS2. The rock has a highly brecciated appearance and consists of 10% subreunded and angular fine grained, dark green fragments (5-30mm) 10% redaction fragments in a fragmented epidotised and carbenatized matrix. Note a 4% irregular inclusions of dark brewn, fairly hard, foliated material at 210.8.

  212.5 Zone of alteration and fragmentation, as at 117.8, py 2-3%, pe 1-2%.

  214.5 Silicous zone, 40-50%, white introduced quarts, with 40% red acidio inclusions and 5% chleritized patches. Trace cpy, 1-2% pe,py. Trace MeS2.
- 216.0 Velcanics, dark green fine grained to aphanitic, read atively fresh and massive, 5-7% edidete stringers and patches, less than 1% quartz stringers. 1% py. 222.5 Mineralized zone; 5-6% py, 5% po, in a fine grained pale green, medium carbonatized and chlerities and rock. Note aphalerite in a 5mm fracture at 223.6
- 223.6 Felsite Rhyelite, medium fractured and fragmented, pink aphanitic acidic angular masses 90%, cut by QC stringers (5%); chleritized and carbonatized fractures 5%. Trace py.
- Mineralized zene, 2-3% pe, 1-2% py, trace cpy, trace
  MoS2 in a medium fragmented pale green reck as at
  117.8. Red and brown acidic fragments less than 1%.
  Increase in QC stripgers, patches and inclusions (520mm) to 5-7%. Medium patchy chloritization of reddish
  fine grained (aplite?) rock, 4%, 225.2.

  10542: Gabbreic zene from 235.7 to 230.5.
  240.3 Aplite? fine grained, pale greenish brown. Bue
  gary texture, relatively massive.
  241.7 Mineralized zons, as at 225.0.
  242.7 Siliceous zone; dark green, aphanitic, very
  hard rock; 2-3% white quartz stringers and patches;
  2-3% dieseminated py, becoming palm green, due to
  ecricitization from 244.0 en.
  245.0
- 245.0 Green dyke. pale yellowish green, fine grained, siliceous, hard, very faintly feliated at 55 g.m. Sharp, irregular lewer contact.
- 246.6 Mineralised zene, 2-3% py; 1-2% pe, trace cpy with miner local concentrations. The rock is grayish graen, altered and fragmented. High patchy chleritization, invaded by 5-7% white quartz stringers and patches; some with embedded fragments (5-20mm) of fine grained basic rock.
  258.5

258.5 Gabbro, medium to highly chloritized and sericitized locally slightly fragmented. Cut by 1-2% quartz stringers.

263.4 Mineralized zone, as at 246.6, but quartz increases to 15%. From 267.5 the rock slightly resembles the Gabbro(?)/zone breccia, in the quartz from a material in which angular fragments of altered basic material are embedded. Sixe of fragments \(\frac{1}{2}\)"(?)-2". Note trace cyp at 174.5. Total py 1-2%, po 2-3%.

277.0 Mineralized zone, 3-4% po and po in an altered med. fragmented greenish grey rock. Med. chloritization and sericitization. Minor quartz patches near end. 278.7 Felsite? pale brownish grey, highly siliceous, aphanitic rock; medium fractured, no mineralization. 280.0 (??) zone, 3-5% po and py, trace cpy in an altered, fragmented zone as 5-7% angular inclusions of felsitic material, as described at 278.7. Quartz 2-3% High patchy chloritization and sericitization. 283.0 Green dyke, as at 245.0 becoming porphyritic, with green, soft phenocrysts (1-2mm) from 285.0 on. Sharp lower contact with quartz stringer at 25° c.n. No mineralization.

286.0 Mineralized zone; 1-2% py and po in a fine grained, slightly fragmented rock. Low chloritization and sericitization. Minor felsitic fragments (as described at 280.0) Note 2" patch of fine grained, dark green, siliceous material at 287.6 288.0 Mineralized zone 1-2% cpy, 1-2% po and py in an altered, fragmented zone as above. 290.0 Mineralized zone as above but only trace cpy. High patchy chloritization and sericitization. The zone is interrupted by a 1.2' zone of dark green aphanitic, hard siliceous rock from 292.9 to 294.1 From 295.0 pyrite increases to 6-7%. Total quartz 2-3%.

- 297.5 Green dyke, first 1.5' dark green, highly chloritized, mineralized with 20% finely disseminated py.
  299.0 Dyke becomes barren, fine grained, pale green, massive, medium sericitized. Minor local brecciation.
  Note 1/16" speck spy associated with a 3" highly chloritized fragment at 301.2.
- 302.7 Mineralized zone; 3-5% py; 1-2% po, trace cpy in a altered, medium fragmented pale green rock. Medium sericitization and chloritization and carbonatization. Grey acidic fragments (½"-2") 15%, quartz stringers and patches 5%.

307.6 Altered zone. High "wet" type chloritization and sericitization. Soft, greenish black rock; low carbonatized.

308.8 Mineralized zone 1-2% po and py; trace cyp in a highly altered pale greyish green sericitized and chloritized rock. Mineralization decreases after 310.0.

258.5 Gabbro, medium to highly chloritized and sericition locally slightly fragmented. Cut by 1-2% quartz stringers. 263.4 Mineralized zone, as at 246.6, but quarts in-creases to 15%. From 267.5 the rock slightly resembles the medicine process, in that the quarts MANARE a matrix in which angular fragments of altered basic material are embedded. Size of fragments \$ -2". Note trace cpy at 174.5. Total py. 1-2%, po 2-3%. 277.0 Mineralized sone, 3-4% po and policy ancaltored medium fragmented greenish grey rock. Medium bhleritization and sericitization. Miner quartz patches 278.7 Pelsite? pale brownish grey, highly siliceous, aphanitic rock; medium fractured, me mineralization. 280.0 Which zone, 3-5% po and py, trace cry in an altered, fragmented zone as 5-7% angular inclusions of felsitic material, as described at 278.7 Quarts 2-3%. High patchy chloritisation and particitization of 283.0 Green dyke. As at 245.0 hecoming normalities. 283.0 Green dyke, as at 245.0, becoming perphyritie, with green, seft phenecrysta (1-2mm) from 285.0 en. Sharp lever contact with quartz stringer at 2500 in No mineralisation. 286.0 Mineralized zene; 1-2% py and pe in a fine grained, slightly fragmented rock. Low chlorities dation and sericitization. Miner felsitic fragments (as described at 280.0) Note 2" patch of line grained. dark green, siliceous material at 287.6. 288.0 Mineralised some 1-2% cpy, 1-2% pe and py in an altered, fragmented zone as above. 290.0 Hineralized zone as above but saily trace epy-High patchy chloritization and sericitization, The zone is interrupted by a 1,2' zone of dark green aphanitic, hard siliceous rack from 292.9 to 294.1. From 295.0 pyrite increases to 6-7%. Tetal quarts: 2-3%. 297.5

297.5 Green dyke, first 1.5 dark green, highly chleritised, mineralized nwish 20% finally disseminated py. 299.0 Dyke becomes barren, fine grained, pale green, massive, medium sericitized. Niner local breceiation. Note 1/16 speck cpy associated with a 3 highly chleritized fragment at 301.2.

Mineralized zone; 3-5% py; 1-2% pe, trace cey in a altered, medium fragmented pale green rock. Medium thricitization and chloritization and carbonatization. Grey acidic fragments (t\*-2\*) 15%, quartz stringers and patches 5%.

307.0 altered zone. High wet type chloritization and sericitization. Soft, greenish black rock; low carbonatized.

308.6 Mineralized zone 1-2% pe and py; trace cpy in a highly altered pale grevish green sericitized and chloritized rock. Mineralization decreases after 310.0.

Note 1" quartz patches at 310.6'.
310.7 Altered zone, as at 307.6.
311.1 Green dyke as at medium sericitized volcanic 5% 1-10mm green pseudophenocrysts.
312.5 Mineralized zone. 10% finely disseminated py; 1-2% po, trace cpy in a highly altered fragmented pale green rock, as at 302.7. High chloritization from 314.0 to 315.0. High carbonatization and fragmentation near end.

- 315.3 Green dyke as at fine grained, medium sericitized, low carbonatization, 5% indistinct green pseudophenocrysts (1-10mm). Note a ½" quartz stringer at 317.8, surrounded by a 4" high alteration hole(?) mineralized with 3-4% po and py; 1% cpy. Note 1" py rich stringer at 60° c.n. at 328.6; less than 1% py disseminated throughout the rock.

  336.5 Green dyke, but porphyritic texture more pronounced, due to medium chloritization of matrix.

  338.0 Green dyke, as at 315.3 Uniform, except for miner phases of higher chloritization.
- 348.9 Highly(?) altered zone. High chloritization in first 6". Rock is highly sericitized and medium chloritized; medium patchy carbonatization, medium fragmentation. 5% grey acidic fragment. QC stringers 2-3%. High "wet" type chloritization at 35%.0 to 359.6 High fragmentation near end; 3-4% py, trace cpy.
- 362.6 Green dyke as at 315.0. Medium sericitization, uniform texture, 5% greenish pseudephenocrysts. Massive 2-3% finely disseminated py throughout. Low patchy carbonatization. From 391.0 on 1 py increases to 3-5%.

393.5 As above, but minor fragmentation. QC5%. Note }" sphalerite(??) stringer at 394.1.

- 394.8 Mineralized zone, 3-5% disseminated py with local concentrations, in an altered rock. Medium patchy chloritization and carbonatization; minor fragmentation. QC 2-3%. Zone includes a barren, green acidic, aphanitic section from 397.0 to 397.7 and from 400.5 to 401.8 with minor inclusions of dark green, altered material near end.
  - 402.0 Slightly altered fragmented rock. 20% quartz "eyes" (1-3mm) in a fine grained, dark green, chloritized matrix. No. min.; quartz stringers and patches 5-10%
  - 403.5 3-5% po and py in a medium altered and fragmented rock, as at 394.8. Trace cpy, quartz 10%.
    407.0 Grey acidic rock, medium fragmented, hard, aphanitic, cut by 5-7% quartz stringer. Trace cpy.
    410.6 2-3% py, 1-2% po in a highly altered medium fragmented rock, as at 403.5. Quartz stringers and patches 3-4%. Grey acidic fragments 10%.

Note 1" quartz patches at 310.6".

310.7 Altered zone, as at 307.6.

311.1 Green dyka as at medium serictized volcanic 5% 1-10mm green pseudophenocrysts.

312.5 Mineralized zone, 10% finely disseminated py; 1-2% pe, trace cpy in a highly altered, fragmented pale creen rock, as at 302.7. High chleritisation from 314.0 to 315.0. High carbonatization and fragmentation near end.

- 315.3 And
  Green dyke as at fine grained, medium sericitised,
  low carbonatization, 5% indistinct green pseudephanecrysts (1-10mm). Note a common quarts atringer at
  317.6, surrounded by a 4m high alteration hale
  mineralized with 3-4% pe and py; 1% cpy. Note 1m
  py rich stringer at 60mc.n. at 328.6; less than 1% py
  disseminated throughout the rock.
  336.5 Green dyke, but perphyritic texture mana pronounced, due to medium chloritization of matrix:
  338.0 Green dyke, as at 315.3. Uniform, except for
  miner phases of higher chloritization.
  348.9
- 348.9 348.9. Withily altered sone. High chloritisation in first 6". Rock is highly sericitized and medium chloritized; medium patchy carbonatization, medium fragmentation. 5% grey acidic fragment. QC stringers 243%. High "wet" type chloritisation at 358.0 to 359.6. High fragmentation near end; 3-4% py, trace apy. 362.6
- 362.6 Oreen dyke as at 315.0. Medium sericitization, uniform texture, 5% greenish pseudephenocrysts, massive,
  2-3% finely disseminated by throughout. Lew patchy
  carbonatization. From 391.0 on, py increases to
  3-5%.
  393.5. As above, but minor fragmentation. QC5%. Note
  the shaderite stringer at 394.1.
  394.8
- Mineralized zone, 3-5% disseminated py with local concentrations, in an altered rock. Nedium patchy chleritization, and carbonatization; miner fragmentation. QC 2-3%. Zone includes a barren, grean acidic, aphanitic section from 397.0 to 397.7 and fragitable. Jun 401.8 with minor inclusions of dark green, altered material near end.
  402.0 Slightly altered fragmented rock. 20% quarts "eyes" (1-3mm) in a fine grained, dark green, chleritized matrix. No. min.; quarts stringers and patches 5-10%.
  403.5 3-5% po and py in a medium altered and fragmented rock, as at 394.8. Trace dpy, quarts 10%.

407.0 Grey acidic rock, medium fragmented, hard anhaenitic, out by 5-7% quartz stringer. Trace cpy. 410.6 2-3% pv, 1-2% pe in a highly altered, medium fragmented rock, as at 403.5. Quartz stringers and patches 3-4%. Grey acidic fragments 10%.

415.5 Grey acidic rock as at 407.0. Note two 5mm stringers filled with py and sphalerite at 415.7 and 516.3. 416.4 Felsophyra (?) brownish grey, fine grained acidic rock, with 50% indistinct yellow and brown pseudophenocrysts in an aphanitic matrix. Trace py. 417.9 3-4% po; trace cpy in a highly altered, fragmented rock, as at 403.5. 419.9 Felsophyr (?) as at 416.4, slightly fragmented, grading(?) into a grey, acidic, aphanitic rock, as at 415.5. 422.7 1% cpy; 2-3% py in a highly altered fragmented zone. Medium patchy chloritization and sericitization and carbonatization. Increase in introduced quartzite 10%. Grey acidic, indistinct fragments (1-2") 10%. 425.0

425.0 Slightly brecciated zone(rhyolite agglemerate?) A heterogeneous rock, consisting of 15-20% red acidic (aphanitic, pseudoporphyritic or banded) angular fragments ranging in size from few millimeters to 4-5 inches. Some of these fragments show sharp regular contacts, and may represent acidic dykelets. The fragments are embedded in a high and fragmented green matrix, altered by high patchy chlorotization, carbonatization and minor epidotization. The rock is permeated by 10% greyish white quartz stringers and patches, cutting through the matrix, as well as through the acidic fragments. Locally the matrix shows distinct banding, usually at c.n. In the less altered phases of the matrix, gabbroic texture is evident. The entire zone is sporadically mineralized with 1-2% po and less than 0.5% cpy with minor local concentrations. Mineralization is confined to the matrix. The zone is cut by relatively fresh acidic (aplitic?) dykelets from 440.7 to 441.8, 464.5 to 467.0 (30° c.n.), and 473.3 to 474.5 (5°c.n.). Minor fragments of this fine grained red, massive rock are found scattered throughout the zone (5%). 486.3 Gabbro(?) fine grained dark green, siliceous, relatively fresh and massive rock, but by less than 1% quartz stringers and patches. Minor red (less than 1%) feldspathic stringers and streaks. 490.0 As at 500.0 501.0

501.0 End of hole.

415.5 Gray acidic reck as at 407.0. Note two 5mm stringers filled with py and sphalerite at 415.7 and 516.3.
416.4 Felsephyric (?) brewnish gray, fine grained acidio reck, with 50% indistinct yellow and brewn pseude-pheneorysts in an aphanitic matrix. Trace py, 417.9 3-4% per trace cpy in a highly altered, fragmented reck, as at 403.5.
419.9 Felsephyric (?) as at 416.4, slightly fragmented, grading(?) into a gray, acidic, aphanitic week, as at 415.5.
422.7 1% cpy: 2-3% py in a highly altered grammented sone. Medium patchy chleritization and sericitization and carbonatization. Increase in introduced quantum to 10%. Gray acidic, indistinct fragments (1-2%) 10%.

Slightly brecciated kone rhyelite agglemerate? A hetere geneeus reck, sensisting of 15-20% red acidio aphanitic pseudoporphyritic or banded) angular fragments ranging in pice from few millimeters to 4-5 inches, Same of these fragments show sharp regular contacts and may represent acidic dykalous. The fragments are embedded in a high and fragmented green matrix, altered by high patchy chirotization, carbonatication and miner epidetization. The rock is permeated by 10% greytch white quarts stringers and patches, cutsing through the matrix, as well as through the acidio fragments. Locally the matrix shows distance banding lugually at 20-300 A. A. In the loss altered phases of the matrix. gabbreic texture in evident. The entire monacia so appredically mineralized with 1-2% pe and leas than 0.5% opy with miner local concentrations. Mineralization is confined to the matrix. The sone is cut by belatively fresh acidic (splitic?) dykelets from A40.7 to 441.8, 464.5 to 467.0 (90% a.n.), and 473.3 to 474.5 (50c.n.). Minor fragments of this fine grained red. massive reck are found scattered throughout the sene (5%). 486.3 Gabbre(?) fine grained dark green, silipseus, relatively fresh and massive rock, out by less than 1%; quarts stringers and patches. Miner red less than 171 feldspathic stringers and streams As-as-500.0. 490,0 501.0

501.0 And of hele.

Nathus Miles

Tribag Mining Co. Limited PROPERTY:

HOLE NUMBER.

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude:

12 00S

Dip: 90°

Footoge

Reading

Corrected

Departure:

61 OOE

Depth: 689

Core Size 1'

Commenced: Elevation:

October 5, 1963

Azimuth:

Finished: October 9, 1963 logged by: Ross Shields

SAMPLE NUMBER

DESCRIPTION

0.0 Casing 11.0

11.0 Volcanics, grey green and some white mottling, mineralized, fine grained, fragmental appearance in places, slightly

Fairly abundant pyrite, low to medium grade Cu. as chalcopyrite, possibly some chalcocite, stronger mineralization occurs between 15 and 95. Trace amounts of molybdenite plating c. some jointing S planes and trace amounts of sphalerite.

Fairly abundant pyrrhotite, possibly one or several nickel sulphides and arsenides.

- 79 Pronounced amphibolite recrystallization in tuff reflecting a more favourable composition approximating that of amphibole. 96 - Volcanics as at 11, somewhat altered and recrystallized, displaying some faint tuffaceous banding traces of disseminated pyrite mineralization. 124.0
- 124.0 Altered volcanics with some tuffaceous bedding and intermixed argillaceous siltstone some as lenses and some fragmentalized. Some disseminated spot pyrite throughout and pyrrhotite with minor chalcopyrite sphalerite and molybdenite. From 183 to 238.5 shows low to .7% chalcopyrite mineralization

with traces of sphalerite and molybdenite. At 191.8 note basalt fragment, aphanitic with conchoidal

Variation in carbonate content serves to outline tuff banding as indicated by different degrees of effervescence under cold 1:1HC1.

At 217.3 note sericite developed on jointing S planes. 230 - Light greenish yellow argillaceous siltstones, calcareous with some sericitic and steatized S planes.

232 - Altered volcanics as at 124, with some pyrite and pyrrhotite mineralization and traces of chalcopyrite. Sulphides occur as spots and a few short discontinuous veinlets.

315.4

315.4 Slightly argillaceous stiltstone and some pure siltstone, or very fine grained sandstone, with minor tuffaceous material, fractured in part, buff coloured, very fine grained and lensing.

> DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

Tribag Kining Co. Limited PROPEA.

HOLE NUMBER: E.B.L

LOCATION: Batchawana Bay, Ontario

**DIP TESTS** 

12 008 Latitude:

Dip: 90°

Footoge

Reading

Corrected

Departure: 61 00E

Depth: 689

Core Size 12"
Commenced: October 5, 1963

Elevations

Azimuth:		Finished: Octobor 9, 1963 Logged by: Ross Shields				
SAMPLE NUMBER		DESCRIPTION				
	0.0	Casing 11.0				
	11.0	Volcanics, grey green and some white mottling, mineralized, fine grained, fragmental appearance in places, slightly altered.  Mairly abundant pyrite, low to medium grade Gu. as chalcopyrite, possibly some chalcocite, stronger mineralization occurs between 15 and 95. Trace amounts of molybdenite plating on some Jointing S planes and trace amounts of sphalerite.  Fairly abundant pyrrhotite, possibly one or several nickel sulphides and arsenides.  79 - Pronounced amphibolite recrystallization in turf reflectin a more favourable composition approximating that of amphibole.  96 - Volcanics as at 11, somewhat altered and recrystallized, displaying some faint turfaceous banding traces of disseminated pyrite mineralization.				
	124.0	Altered volcanics with some tuffaceous bedding and intermixed argillaceous siltstone some as lenses and some fragmentalized. Some disseminated apot pyrite throughout and pyrrhotite with minor chalcopyrite sphalerite and molybdenite.  From 183 to 238.5 shows low to .7% chalcopyrite mineralization with traces of sphalerite and molybdenite.  At 191.8 note basalt fragment, aphanitic with conchoidal fracture.  Variation in carbonate content serves to outline tuff banding as indicated by different degrees of effervescence under cold 1:1HC1.  At 217.3 note sericite developed on jointing S planes.  230 - Light greenish yellow argillaceous siltstones, calcareous with some sericitic and steatized S planes.  232 - Altered volcanics as at 124, with some pyrite and pyrrhotite mineralization and traces of chalcopyrite. Sulphides occur as spots and a few short discontinuous veinlets.				
	315.4	315.4 Slightly argillaceous stiltstone and some pure siltstone, or very fine grained sandstone, with minor tuffaceous material, fractured in part, buff coloured, very fine grained and lensing.				

328.0
Altered volcanics in part tuffaceous with tuff banding and some intermixed siltstone and argillaceous siltstone as at 124; some disseminated 1/4-1/2 inch spot pyrite and pyrrhotite mineralization.

331.2 - Stressed and fractured arkosic material, some quartz pseudo phenocrysts, and sub-rounded to sub-angular 1/16-1/8 inch in size.

Pseudo felsitic, but some of the feldspar matrix is bleached or altered a light cream colour giving a two tone pink and cream banded groundmass.

333 - Altered volcanics, in part tuffaceous and with intermixed siltstone and argillaceous siltstone as at 124.

372.8

Spotted siltstone, argillaceous, light greenish tan, upper contact with interlensed tuffs and siltstones is irregular, rock is calcareous with several bedding bands.

Spots are of the same rock type, but darker in colour and seem to be fragments of another siltstone, also calcareous. Spots range in size from 1/32 to 1/4 inch, with a few siltstones fragments up to 1/2 inch in major dimension.

401.0

401.0 Fragmentalized and recemented fairly pure siltstone, hard tough, very fine grained greyish blue, purer siltstone, parts are only slightly calcareous and only along jointing S planes.
407.0

407.0 Spotted siltstone as at 372.8, but also containing larger fragments 1/2-3 or 4 inches in diameter and very similar in composition to the host siltstone.

Traces of pyrite, chalcopyrite, pyrrhotite and possibly one or two other sulphides.
415.4

Siltstone in part argillaceous and interlensed volcanics and with fragments of each occurring in the other.

Mineralized with low to medium chalcopyrite, pyrite, pyrrhotite and traces of chalcocite, galena and sphalerite.

440.0

Tuffaceous volcanics with minor siltstone and argillaceous siltstone fragments, lightly mineralized, calcareous in part, minor epidotization, note a few granitic pink felsite fragments.

465 - Schistose, tuffaceous volcanics with siltstone and granitic pink felsite fragments, slips well chloritized and also show some muddy steatization.

477 - Tuffaceous volcanics as at 440.0.

488 - Schistose tuffaceous, volcanics with siltstone and granitic pink felsite fragments as at 465.0.

493.8 - Tuffaceous volcanics as at 440.0

501.0 - Schistose tuffaceous volcanics as at 465.

542.0 - Note fine granitic fragments or arkosic material in tuffs.

543.0 - Tuffaceous volcanics as at 440.0.

At 576.6 - Note molybdenite veinlet in granitic pink felsite fragment.

601.3

- 601.3 Arkosic lense or fragment, quartz grains 3/32 inches in size in a pink pseudo aphanitic groundmass feldspathic, upper contact gradational into tuff, lower contact irregular and fairly sharp, unmineralized.
- Tuffaceous volcanics with siltstone and granitic pink felsite as at 440, lightly mineralized. 618.4
- 618.4 Spotted siltstone as at 372.8 with irregular arkos.c upper contact, arkosic zone is one to three inches thick grading into spotted siltstone. Lower contact is likewise fairly snarp, irregular and strongly arkosic over a 1/2 inch thickness, also slightly arkosic over a thickness of 4 to 5 inches adjacent to the contact. 638.0
- Volcanics, tuffaceous calcareous with intermixed lenses and fragments of siltstone and argillaceous siltstone and fragments of pink granitic felsophure.
  641.0
- 641.0 Volcanics, dark to medium bluish grey green, calcareous with some tuffaceous banding generally fine grained with some of the bands showing coarser dark rock fragments.

  Only trace amounts of fine pyrite noted. Minor epidotization and possibly some amphibole recrystallization.

  680 End of Hole.

601.3
Arkosic lense or fragment, quartz grains 3/32 inches in size in a pink pseudo aphanitic groundmass feldspathic, upper contact gradational into tuff, lower contact irregular and fairly sharp, unmineralized.
602

Tuffaceous volcanics with siltstone and granitic pink felsite as at 440, lightly mineralized. 618.4

5potted siltstone as at 372.8 with irregular arkosic, upper contact, arkosic zone is on to three inches thick grading into spotted siltstone. Lower contact is likewise fairly sharp, irregular and strongly arkosic over a 1/2 inch thickness, also slightly arkosic over a thickness of 4 to 5 inches adjacent to the contact.

638.0 Volcanics, tuffaceous calcareous with intermixed lenses and fragments of siltatone and argillaceous siltatone and fragments of pink granitic felsophure.
641.0

Volcanics, dark to medium bluish grey green, calcareous with some tuffaceous banding generally fine grained with some of the bands showing coarser dark rock fragments.

Only trace amounts of fine pyrite noted. Minor epidotization and possibly some amphibole recrystallization.

689 - End of Hols.

Coss C. Milalo

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER. E.B.5

LOCATION:

88<sup>0</sup> DIP TESTS

Batchawana Bay, Ontario

Pajari at 500

Lotitude:

11 80S

900 Dip:

Footage

Reading Corrected

S 63½ E

Departure:

59 OOE

Depth: 510

1\{\}" Core size:

Elevation:

Commenced: October 11,1963

Azimuth:

N/A

Finished: October 14, 1963 logged by:

SAMPLE NUMBER

DESCRIPTION

- 0.0 Casing 14.0
- Argillaceous siltstone, bright yellowish greenish tan, some 14.0 quartz carbonate with low grade chalcopyrite 1/10-1/4 inch spots and pyrite and traces of sphalerite, white spots semirounded some quartz, perhaps white feldspar, siltstone is calcareous in part, quartz carbonate and minor mineralization occur in association with minor brecciation and its abundant jointing S planes. 39.0
- 39.0 Shatter zone, quartz carbonate 60%. Siltstone fragments 40%. Some chalcopyrite 1/16-1/4 inch spots, traces of sphalerite and molybdenite. 44.0
- Argillaceous siltstone as at 14.0. 44.0 56 - Quartz carbonate veinlet traces only, of chalcopyrite and pyrite. 56.5
- 56.5 Greenish tuff to taupe fine banded siltstone, minor brecciation of siltstone with some quartz carbonate lenses, banding is parallel to core in some places and at a slight 5-25angle in others. 69 - Siltstone, schistose parallel bedding at 80° to core normal. 89.4
- 89.4 Creamy pink felsophyre (stressed arkosic granite?) slightly brecciated with numerous jointing S planes. Quartz phenocrysts or pseudo phenocrysts 1/16-1/8 inch in size, slightly calcareous. Few quartz veinlets 1/16-1/4 inch thick along some jointing S planes, some containing traces of molybdenite as at 91.8. 119.7
- Dark grey cherty felsite, slightly calcareous. 119.7 122.0
- 122.0 Pink and green composite rock type, a tuff, perhaps with evenly intermixed pink feldspar, although rock texture is similar to diabasic, notable epidotization throughout, grain size 1/32-3/32, slightly calcareous throughout.
- 175.0 Dark bluish grey green cherty felsite, with some pink chert (or possibly feldspathic spots) slightly calcareous in part; light chalcopyrite mineralization and some arsenopyrite? from

PROPER. Tribog Mining Co. Limited

HOLE NUMBER: 13.8.5

LOCATION: Patchawana Bay, Onterio

DIP TESTS

tatitude: 11 80S

Dip: 900

Pajari nt 500 Reading Footoge

Corrected

Departure: 59 00E

Depth: 510

Core sises la"

Elevation:

Commenced: Gataber 11, 1963

Azimuth: 11/A

Finished: October 14. 1963

Logged by: Ross Shields

S 63} E

Azimu	oth: **/*	Finished: Uccober 14, 1903 Logged by: Kobb Shieldb
SAMPLE NUMBER		DESCRIPTION
	0.0	Casing 14.0
	14.0	Argillaceous siltutone, bright yellowish greenish tan, some quarts earbonate with low grade chalcopyrite 1/10=1/6 inch spots and pyrite and traces of sphalerite, white spots semi-rounded some quarts, perhaps white feldspar, siltatone is calcareous in part, quarts earbonate and minor mineralization occur in association with minor brecciation and its abundant jointing 9 planes.
	39.0	Shatter some, quarts darbonote :0%. Siltatone fragments 40%. Some chalcopyrite 1/16-1/4 inch spots, traces of aphalerite and solybdenite. 44.0
	44.0	Argill coous siltatone as at 14.0.  56 - Quarts carbonate veinlet traces only, of chalcopyrite and pyrite.  56.5
	56.5	Greenish tuff to taupe fine banded siltatone, minor breciate ion of of siltatone with some quarts carbonate lanses, banding is parallel to core in some places and at a slight 5 = 25 angle in others.  69 = Siltatone, schistose parallel hedding at 800 to core normal.
	ਰ <b>9.4</b>	Greamy pink felsophyre (stressed arkonic granite?) slightly brecolated with numerous jointing 5 planes. Quarts phenocrysts or pseudo phenocrysts 1/10-1/8 inch in size, slightly calcardous Few quarts veinlets 1/16-1/4 inch thick slong some jointing 5 planes, some containing traces of molybdenite as at 91.8. 119.7
	119.7	Dark grey cherty felsite, *lightly calenreous.
	122.0	Pink and gram composite rock type, a tuff, perhaps with evenly intermixed pink fuldspar, although rock texture is similar to diabasic, notable epidotization throughout, grain size 1/32-3/32, alightly calcareous throughout.
	175.0	Dark bluish grey green cherty felsite, with some pink chert (or possibly feldspathic apous) slightly calcareous in party light chalcopyrite mineralization and some arsenopyrite? from

195-205, 205-208 is estimated at 1 to 1.5% Cu; 208-210.5 estimated at .2 to .4% Cu. 210.5

- 210.5 Mixed pink granitic felsite and greyish black cherty volcanics, volcanics schistose and chloritized in part, zone is epidotized throughout, with some faint banding parallel or up to 15 to core axis.

  210.5 235 is estimated at .3 to .4% Cu.
  235-255 is estimated at .7 to .9% Cu.
  255-265.3 is estimated at .5 8% Cu.
  Zone is mineralized with disseminated chalcopyrite, some pyrite, perhaps some arsenopyrite and traces of molybdenite galena and sphalerite.
  265.3
- Volcanics very slightly to slightly calcareous throughout, altered, abundant amphibole recrystallization and some epidotication, some faint banding parallel or up to 150 to core axis.

  265.3 294 is estimated at .515 .25% Cu.
  294 302.5 is estimated at 1 1.4% Cu.
  302.5 320 is estimated at .15 .25% Cu.
  320 331 is estimated at .9 1.3% Cu.
  331 341 is estimated at .15 .3% Cu.
  Zone is mineralized with disseminated and short discontinuous veinlet chalcopyrite, some pyrite, perhaps some arsenopyrite and traces of molybdenite galena and sphalerite.
  More strongly mineralized zones from 294 to 302.5 and 320 to 331 have considerable quartz carbonate content.
  341.0
- 341.0 Volcanics, very slightly to slightly calcareous throughout grey bluish green, mostly fine grained, but some coarser grained zones (amphibole recrystallization) giving a texture similar to diabasic, containing some faint tuffaceous or pseudo-tuffaceous banding, minor scattered zones of epidotization and scattered zones of trace to minor amounts of disseminated pyrrhotite for a few inches, some with traces of disseminated chalcopyrite; fairly abundant jointing S planes with fine quartz and some quartz carbonate filament stringers, also a few thicker quartz veinlets 1/4 2 or 3 inches thick.

As at 437, quartz material 6 inches thick with abundant epidote and chlorite and volcanic fragments.

455.5 - Quartz veinlet 1/2 inch wide and 3 feet long parallel to the core.

From 482 - 484, note curved joint with 1/16 inch of quartz carbonate parallel to the core.

At 492, quartz vein 3 inches thick, with a few volancic fragments and abundant epidote, containing massive pyrite. 510 - End of Hole.

195-205, 205-208 is estimated at 1 to 1.5% Cu; 208-210.5 estimated at .2 to .4% Cu. 210.5

- 210.5 Mixed pink granitic felsite and greyish black cherty volcanics, volcanics schistose and chloritized in part, zone is epidotized throughout, with some faint banding parallel or up to 15° to core axis.

  210.5 235 is estimated at .3 to .4% Cu.

  235 255 is estimated at .7 to .9% Cu.

  255 265.3 is estimated at .5 .6% Cu.

  Zone is mineralized with disseminated chalcopyrite, some pyrite, perhaps some arsenopyrite and traces of molybdenite galena and sphalerite.

  265.3
- Volcanics very slightly to slightly calcareous throughout, altered, abundant amphibole recrystallization and some epidetization, some faint banding parallel or up to 15 to core axis.

  265.3 294 is estimated at .15 .25% Cu.

  294 302.5 is estimated at 1 1.4% Cu.

  302.5 320 is estimated at .15 .25% Cu.

  320 0 331 is estimated at .9 1.3% Cu.

  331. 341 is estimated at .15 .3% Cu.

  Zone is mineralized with disseminated and short discontinuous veinlet chalcopyrite, some pyrite, perhaps some arsenopyrite and traces of molybdenite galena and sphalerite.

  More strongly mineralized zones from 294 to 302.5 and 320 to 331 have considerable quartz carbonate content.

  341.0
- Volcanics, very slightly to slightly calcareous throughout, 341.0 grey bluish green, mostly fine grained, but some coarser grained sones (amphibole recrystallization) giving a texture similar to diabasic, containing some faint tuffaceous or pseudo-tuffaceous banding, minor scattered zones of epidotization and acattered zones of trace to minor amounts of disseminated pyrrhotite for a few inches, some with traces of disseminated chalcopyrice; fairly abundant jointing S planes with fine quartz and some quartz carbonate filament stringers, also a few thicker quartz veinlets 1/4 - 2 or 3 inches thick. As at 437, quartz material 6 inches thick with abundant epidote and chlorite and volcanic fragments. 455.5 - Trurtz veinlet 1/2 inch wide and 3 feet long parallel to the core. From 482 - 484, note curved joint with 1/16 inch of quarts carbonate parallel to the core.

At 492, quartz vein 3 inches thick, with a few volcanic

fragments and abundant epidote, containing massive pyrite.
510 - End of Hole.

Ross C. Steller

HOLE NUMBER. EB-6 PROPERTY: TRIBAG MINING CO. LTD. DIP TESTS BATCHAWANA BAY, ONT. LOCATION: Pajari 900 11-00 S Footage Latitude: Dio: Reading Corrected N39<sup>O</sup>W -88° 485.01 Departure: Depth: 485.01 60-00 E 95.61 above EB-1 Commenced: Oct.18,1963 Elevation: Oct.20,1963 Matthew Blecha Finished: Legged by: Azimuth: SAMPLE DESCRIPTION NUMBER 0.0 Casing 10.0 Gabbro, dark grey, med. gr'd, massive. 10.0 13.0 Silicified, with 20% irreg. qtz str. Slightly brecciated. 15.0 As at 10.0'. 56.8 Med. chlor'd, fractured at 80-90° to cn. 58.0 F gr'd, sl. epidotized, tr. cpy. 62.0 Shear zone, M. chlorite, H shear at 55-60° to en. Med. carb'd. 63.8 Felsite, pale pink, very hard, siliceous, aphanitic, sl. fractured, with 10% irreg. inclusions of fol'd (45° to cn), sl. chlor'd 63.8 volc. rock. Upper contact sheared, lower contact gradational. Tr. cpy, py and MoS2 77.6 Gabbro (?), altered, med. epidote, v.g. diss'd py, very hard, silicified, less than 5% carb. stringers.

86.2 Brownish, sl. foliated at 50 to cn. H. siliceous, with brown feldspathic (?) alteration and few irregular faint inclusions of feldspathic material. 94.7 Grey. f. gr'd, massive, less than 1% epidote stringers, hard. Fault Zone, med, to high chlorite, 15% carbonate, fractured and sheared at 80-90° to cn. Core is 10% broken up. Host is gabbro. 116.8 Brecciated, H. sil., med. carb'd. 0.5% cpy, 0.5% py, tr.MoS<sub>2</sub>. 100.0 118.6 Min'd Zone, 10% f. diss'd py, traces MoS, in a pale grey, massive, fine gr'd rock, med. carb'd (probably aftered gabbro). 129.0 129.0 Gabbro, dark grey, f. med. gr'd, massive, minor local epidotization and carbonatization. Pink qtz-carb. stringers 2%.
187.0 Altered gabbro, med. epidote, low carb., med. sil and dark brown soft alteration. Irregularly foliated at 60-70 to cn. 188.9 Gabbro as at 77.6. Epidote 5%, qtz str. 2-3%, locally silicified and faintly foliated at 70° to cn. 15-20% of very fine gr'd phases. Note ½" qtz. str. with MoS<sub>2</sub> at 251.0. 291.0 High epidotization and brownish, feldspathic(?) alteration, faintly and irregularly foliated, slightly brecciated. 298.0 Felsite, Pale reddish-brown, sl. fractured, aphanitic, h. siliceous, 2-3% epidote stringers, few minor qtz stringers, two short 0.8 and 1.0' inclusions of foliated siliceous, dark grey altered gabbroic (?) material at 311.0 and 312.4. Becomes print LICATE COPY.
323.9 POOR QUALITY ORIGINAL

TO FOLLOW

DIAMOND DRILL LOG EB-6 HOLE NUMBER: KH-6 TRIBAG MYNING CO. LTD. PROPER... , DIP TESTS LOCATION: BATCHAVANA BAY, GRT. Pajari Reading Dips. 900 11-00 B Footage Corrected Latitude: 1399v \_RA® . 485.0 60-00 B Depth: 485.01 Departure: 95.6 above Mil-1 Commenced: Oct. 18, 1963 Elevations Logged by: Matthew Bleeha Oet. 20, 1963 Finished: Azimuthi SAMPLE DESCRIPTION NUMBER D.O Casing 10.0

10.0 Gabbro, dark grey, mod. gr'd, massive.
13.0 Silicified, with 20% irreg. qts str. Slightly brecoisted.
15.0 As at 10.0. 56.8 Med. chler'd, fractured at 80-90° to en. 58.0 F. gp'd, el. epidotized, tr. epy. 62.0 Shear Eome, H. shlorite, H. shear at 55-60° to en. Ned. earb'd. 63.8 Felsite, pale pink, very hard, silicous, aphanitic, sl. fractured, with 10% irreg. inclusions of fol'd (450 to en.), sl. chler'd volo. rock. Upper contact sheared, lover contact gradational. Tr. epy, by and Mosa. 77.6 77.6 Gabbre (7), altered, med. epidote, v.g. diss'd py, very hard, silicifiel, less than 5% carb. stringers. 36.2 Brewnish, sl. foliated at 500 to on. H. silicous, with brown feldspathie (1) alteration and few irregular faint inclusions of foldspathic material. 94.7 Gray, f. grid, massive, less than 1% epidote stringers, hard. 10010 100.0 Fault Zone, med, to high chlorite, 15% carbonate, frequired and sheared at 80-900 to en. Core is 10% broken up. Host is gabbre. 116.8 Breceisted, h. sil., med. carb'd. 0.5% epy, 0.5% py, ty. Mes2. 114.6 118.6 Min'd Zone, 10% f. diss'd py, traces Hobe in a pale arey, massive, fine gr'd rosk, med. carb'd (probably altered gabbro). 129.0 Gabbro, dark grey, ?. med. gr'd, massive, minor local epidetization and earbonatization. Pink qts-carb. stringers 25. 187.0 Altered gabbre, med. epidote, low carb., med. sil and dark brown seft alteration. Pregularly foliated at 60-700 to on. 188.9 Sabbre as at 77.6. Epidoto 55, que str. 2-35, locally silled and faintly foliated at 700 to on. 15-20% of very fine grid phases. Note 3" qts atr. with MoS, at 251.0. 291.0 High epidetisation and brownish, feldspathic(?) alteration, faintly and irregularly folited, slightly breed ted. 298.0 298.0 Felsite, rale resdish-brown, el. fractured, aphanitic, h. siliceous, 2-3% inclusions of foliated willowing and the graph type and the foliation of the foliation of the first of t

323.9

- 323.9 Min'd Zone, 1.5% fine diss'd cpy in an irregular foliated (80-90° to cn.) contact zone between felsite and the lower volcanics. The zone contains many irregular angular fragments of felsite and volcanics, is med. silicified, low epid'd. 327.9
- 327.9 (Gabbro) Volcanics ??, very fine gr'd, dark greenish grey, cut by 5% very fine epidote stringers, tr. cpy in first 5 feet. Narrow qtz-carb. stringers, less than 2%.
  375.0 Epidote stringers and patches increase to 10-15%. Rock is very fine gr'd to aphanitic, very hard, generally massive, with minor local slightly foliated sections, etc. 479.0 Minor cpy, tr. po in a h. epidotized phase of the volcanics.
  479.7 As at 375.0
  485.0
- 485.0 END OF HOLE

323.9 Min'd Zone, 1.5% fine diss'd cpy in an irregular foliated (80-900 token.) contact zone between felsite and the lower volcanics. The zone contains many irregular angular fragments of felsite and volcanics, is med. silicified, low epid'd.

327.9 (Gabbro) Volcanics ?? Hery fine gaid Acade and 
327.9
(Gabbro) Volcanics ??, very fine gr'd, dark greenish grey, cut by 5% very fine epidote stringers, tr. c.y in first 5 feet.

Narrow qtx-carb. stringers, less than 2%.
Narrow qtx-carb. stringers and patches increase to 10-15%.
375.0 Epidote stringers and patches increase to 10-15%.
Rock is very fine gr'd to aphanitic, very hard, generally Rock is very fine gr'd to aphanitic, very hard, generally ansative, with minor local slightly foliated sections, etc.
479.0 Minor cpy, tr. po in a h. epidotized phase of the volcanics. volcanics. 479.7 As at 375.0

485.0 END OF HOLE

latilia Bliche,

Tribag Mining Company, Limited HOLE NUMBER: EB-7 PROPERTY: LOCATION: Batchawana Bay, Ontario DIP TESTS 900 Latitude: 1300S Dip: Footage Reading Corrected 089<sup>0</sup> N 67° E 623.81 623.4 6000E Departure: Depth: Oct. 22,1963 Elevation: Commenced: M. Blecha Oct. 26,1963 Azimuth: Finished: logged by: SAMPLE DESCRIPTION NUMBER 0.01 Casing 7.01 7.01 Mineralized Zone. Chalcopyrite 1.5%, pyrrhotite 1%, pyrite tr, MoS<sub>2</sub>, qtz-carb, 5%. Medium carbonatization, low-medium chloritization; low-medium fragmentation of a gabbroic(?) host. Fine grained acidic fragments 5%,  $(\frac{1}{2}-\frac{1}{2})$  avge. size). First few feet are rusty and vuggy. 29.0 Gabbro, med. grained, massive, fresh, traces of chalcopyrite and pyrrhotite. 34.0 Mineralized zone; chalcopyrite 1%, pyrite 1%, pyrrhotite, 1%, MoS<sub>2</sub> trace. Med, carbonatization, low-med. chloritization, low-med. fragmentation of a gabbroic host. Qtz-carb 5-7%. 64.0 As above, but chalcopyrite increases to 3-4%. 81.5 Gabbro, med. grained, relatively massive, amphibole rich (60%), minor spotty brown, soft alteration, (micaceous?) low epidotization. 85.0 Gabbro (?) very fine grained, massive, relatively Minor epidote stringers, (1%). fresh. 90.6 Mineralized zone. Chalcopyrite 1%, pyrrhotite 2-3%, pyrite, 1%, MoS, trace. Medium carbonatization, medium spotty chloritization, qtz-carb 5%. Low fragmentation of gabbroic host. 100.0 As above, but stronger fragmentation, acidic, aphanitic fragments 10%. 104.0 Mineralized zone. Chalcopyrite 3%, assoc'd with qtz-carbonate stringers and patches, (10%). Acidic fragments more numerous, (20%), medium fragmentation. 116.2 Gabbro, fine-medium grained, relatively massive, fresh, pyrite trace. 117.4 Mineralized zone. Chalcopyrite 6%, pyrrhotite 4%, low carbonatization, medium silicification, medium fragmentation. 120.0 Mineralized zone. Chalcopyrite, 1.5%, pyrrhotite 3-4%; medium chloritization, low-medium carbonatization, medium fragmentation of a gabbroic(?) host. 124.5 Mineralized zone. Chalcopyrite 1.5%, pyrrhotite 1-2%; alteration as above but increase in acidic fragments to 50%: The fragments are pale brownish grey, some porphyritic,

(qtz phenocrysts), range in size from \( \lambda - 2 \).

128.5

HOLE NUMBER PROPERMA Tribag Mining Company, Limited DIP TESTS LOCATION Batchawana Bay, Ontario Latitudes 1300a Footage 900 Readina 🕐 Corrected Depth: {23.81 Departure: 6000B 623.4 Commenced. Flav shops Jet. 22. 1763 Finished Oct. 26, 1963 Logged by: Azimuth: M Blecha 0.0 Casing 7.0 7.0 Minoralized Zone. Chalcopyrite 1.5%, pyrrhotite 1%; pyrite tr, tr Mo82, qts-carb, 5%. Medium carbonatization, low-medium chloritization; low-medium fragmentation of a gubbroic (1) host, Fine grained acidic fragments 5%, (4-2" avge size). First few feet are rusty and VUCEY. 29.0 Cabbro, and grained, massive, fresh, traces of chalcopyrite and pyrrhotite.

34.0 Mineralized zone; Chalcopyrite 1%, pyrite 1%, pyrrhotite, 1%, MoS2 trace. Med. carbonatization, low-med chloritization, low-med. fragmentation of a gabbroic host. Uts-carb 5-7%. 64.0 Am above, but chalcopyrite increases to 3-45. 81.5 Sabro, med, grained, relatively massive, amphibole rich (601), minor spotty brown, soft alteration, (micacoous?), low epidotization.
85.0 Oabbro (?), very fine grained, massive, relatively fresh, lanor apidote stringers, (1%), 90.6 Mineralized zone. Chalcopyrite 1%, pyrrhotite 2-3%, pyrite, 1%, MoS2 truce. Medium carconatization, medium spotty chloritization, qtz-carb 5%. Low fragmentation of gubbroic host, 100.0 As above, but stronger fragmuntation, acidic. aphanitic fragments 10%. 104.0 Mineralized zone. Chalcopyrite 3%, associd with qtx-carbonate stringers and patches, (10%). Acidic fragments more numerous, (20%), menium fragmentation. 116.2 Oa bro, fine-modium grained, relatively massive fresh, pyrite trace.
117.4 Mineralized zone. Chalcopyrite 6%, pyrrhutite 4%, low carbonatisation, medium silicification, medium fr gmentation. 120.0 Bineralized zone. Chalcopyrite 1.5%, pyrrhotite 3-4%; 'medium chloritization, low-modium carbonatization, medium fragmentation of a gabbroic(?) host.
124.5 Mineralized zone. Unalcopyrite 1.5%, pyrrhotite
1-2%; alteration as above but increase in acidic fragments to 50 %. The fragments are pale brownish grey, some porphyritic, (qtz phenocrysts), range in size from 5 - 2".

- 128.5 Mineralized zone. Alteration as above; pyrrhotite 2-3%. trace chalcopyrite. Medium fragmentation but no acidic fragments. Qtz-carb: 1-2% 136.3
- 136.3 Gabbro, fine grained, massive, minor brownish micaceous alteration. Qtz-carb: 1-2%, Trace pyrite along fracture. Lower contact foliated at 30° c.n.
- 143.0 Felsophyre. Pale brownish grey, highly siliceous, slightly fractured. 10% qtz pseudophenocrysts near end. Relatively sharp upper contact at 40° c.n. 145.3
- 145.3 Mineralized zone. Po: 3-5%, trace chalcopyrite, with local concentrations. Medium patchy chloritization, low carbonatization, medium sericitization. Contains 10% highly sericitized, pale brown, angular fine grained fragments in a fine grained, chloritic matrix.

154.5 As above, but increase of chalcopyrite to 5%

156.7 As at 145.3

164.5 Highly altered zone; high sericite, soft, pale yellowish grey rock, becoming harder (siliceous) from 165.0 ca. (Probably an altered acidic rock).

166.2 Mineralized zone as at 145.0; rel. low alteration, py: 1-2%, po:2-3%. The zone includes a 0.7' pale green, porphyritic, med. carbonatized dykelet. Sharp lower contact at 85° c.n.

169.0 Gabbro, fine grained, fresh, massive, becoming medium altered with a soft brownish micaceous (?) mineral at 169.8'. Qtz-carb: 2%.

171.4 Felsite, pale brownish grey, siliceous, aphanitic, sharp lower contact at 10° c.n.

172.0 Mineralized zone, highly altered, medium fragmented, medium carbonatized, medium chloritized. Tr. chalcopyrite,

pyrrhotite: 1-2%.

177.5 Highly altered zone; high sericite, core partly disintegrated. Fragmentation partly obscured by alteration. 181.2 Mineralized zone, as at 145.3. Po: 3-5%, py: 3-5%, traces of chalcopyrite and molybdenite. High patchy chloritization, medium carbonatization, high fragmentation. The zone contains 5-7% fine grained, sericitized, and silicified acidic fragments ( $\frac{1}{2}$ -3"). Cut by a 0.8' green dykelet (as at 166.2), at 207.3. 219.0 Acidic fragments increase to 75%,( $\frac{1}{2}$ -3"); fine grained chloritic matrix, trace sulphides. Medium fragmentation, low alteration, spotty epidotization.

226.3 Greenish porphyritic dyke, as at 207.3, contacts obscure. 227.5 Mineralized zone. Po,py 1-2%, trace chalcopyrite, medium fragmentation, medium sericitization and carbonatization. Pale green, sericitized fragments (½-1")-5%. Fine grained, chloritic matrix. Few short (4-5") foliated, fine grained dark siliceous phases. Two 1-2" qtz stringers. Short (less than one foot) green porphyritic dykelets at 243', 258', 262, 284.0 Mineralized zone, as above; chalcopyrite increases to 1%.

Alteration as above. Qtz-carb: 5%.

299.0 Mineralized zone, chalcopyrite 3%, qtz-carb: 20%. Acidic fragments (20%) in a fine grained green, chloritic matrix. 313.0

128,5 Mineralized zone. Alteration ad-above; pyrrhotite 2-3%, trace chalcopyrite. Redius fragmentation but no actiic fragments. 4tz-carb: 1-2% 136.3

155.3 Gabbro, fine grained, massive, minor brownish micaceous alteration. Utz-carb: 1-25. Trace pyrite along fracture, Lower contact foliated at 30° c.n.

1.3.0 Felsophyre. Pare brownish gray, highly siliceous, slightly fractured, 10% qts pseudophenocrysts near and. Relatively starp upper contact at 40° c.n.

1.5.3 Atherelized zone. Po: 3-5%, py: 1-2&, trace chalcopyrite, with local concentrations. Medica patchy chloritization, low carbonativation, medium periolitization. Contains 10% nighty sericitizsed, pale brown, angular fine rained fragments in a fine grained, chloritic metrix.
154.5 As ecoys, but incremes of calcopyrite to 5% 155.7 As at 145.3

Thu. Simighly alcored zone; high pericice, soft, pale yellowish grey rook, becoming bender (hill rooms) from 165.0 co.

118 1 1 kg kg autored active rook).
165.2 Starrolled 2000, as at 145.0; rel. fow alteration, py: 1-2, po:2-3 %. The cone incluive a 0.7 puls green, porphyritic, med. carbonatived dynelet. Sharp lower on-

169.0 Gabbro, fine grained, fresh, massive, becoming medium altered with a nort brownish minarcous (?) mineral at 169.8%. ¥tr-carb: 2%.

171.4; Pelsite, pale browgish grey, siliceous, aphanitic, anary lower contact at 100 c.n. 172.0 Mineralized zone, highly altered, medium fragmented,

medium carbonationad, medium onlocationed. Tr. chalcopyrive, pyrrhotite: 1-2%.

177.5 highly altered zone; high sericite, core partly disintegrated. Fragmentation partly obscured by alteration. 121.2 Mineralized zone, as at 145.3. Po: 3-5%, py: 3-5%, traces of chalcopyrite and molyIdenite. sigh pateny chloritigation, medium carbonatization, high fragmentation. The rone contains 5-7% fine grained, sericitized, and silicities acidic freguents (4-3"). Out by a 0.8 green dykelet (5-2 at 165.2), at 267.3.

219. 0, Actilic fragments increase to 75%, (x-3"); fine grained chloritio metrix, Trace sulpaides. Medium fragmentation, lew alteration, spotty spidotication.

226.3 Greenish porphyritic dyke, he at 207.3, contacts obscure. 120.1 line alized zone. Pr,py 1-rh, trace chalcopyrite; median fragmentation, medium squicitization and carbonatization. Pale green, sericitized fragments (t-1")-5%. Fine grained, chloritic matrix. For short (4-5") foliated, fine grained dark silicous phases. Two 1-2" qtz stringers. Short (less than one fott) green porphyritic dykelets at 243°, 258°, 262°, ani 264'. Atz-carbonate: 2-3%.

284.0 Kineralized zone, as above; chalcopyrite increases to 1%. Alteration as above. Utz-carb: 5%.

209.0 Mineralized zone, chalcopyrite 3%, qtz-carb: 20%. Acidic fragments (20%) in a fine grained green, chloritic matrix. Natilia Miles

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313.C

- 313.0 Green dyke. Pale brownish green, porphyritic. 30% anhedral soft, green phenocrysts ((½-5 mm) in a fine grained green matrix. Rock is hard, massive, fresh. Sharp contacts at 0° c.n. 321.3
- 321.3 Mineralized Zone. Cpy: 1.5%, py: 1%, po: 1%, in a highly brecciated zone. The rock consists of 5% red acidic fragments (½"-6") in a quartz (30%) matrix. No carbonate, Medium epidotization. Rock as a whole is hard, not chloritized. In a few places gabbroic texture evident.
  340.5
- 340.5 Rhyolitic Agglomerate (?). The rock consists of 75% red aphanitic, acidic, angular fragments (2"-2"), 20% interstitial quartz, and 5% basic, slightly chloritized and fractured material. Minor epidote, no carbonate. Trace py and cpy, associated with quartz. 345.5 Rock maintains its agglomeratic appearance, but the fragments become smaller  $(\frac{1}{4}-1")$ , and not as numerous (5%), 60% fine grained basic epidotized and siliceous fragmented material, 35% interstitial quartz. The rock contains a few short (5"-10") massive, very fine grained hard, siliceous phases with abrupt, but not sharp contacts. Some of these show gabbroic texture. Few vugs with coarsely crystalline euhedral quartz. Trace py and cpy. 370.0 Very fine grained, hard, siliceous, dark green rock, massive, cut by 15% quartz stringers. Contains a 4" brecciated and medium epidotized section in centre. Minor soft brownish micaceous alteration. (volcanics?) 376.5 Rhyolitic agglorierate (?). 60% angular, pale green highly siliceous fragments (1''-2''), 5% siliceous fragmented dark green material, in a quartz (??%) matrix. No carbonatxe, Cpy 1%, py1%. 296.4 Same as at 370.0 Minor epidote, and minor brecciated sections. 402.0 Rhyolite (?) Pale green, aphanitic, very hard, highly siliceous rock, distinctly foliated at 25° c.n. Sharp upper contact at 25° c.n. Medium epidote, qtz-carbonate: 2%. 404.2 Rhyolite agglomerate (?) Pale green, due to abundant epidote, (30%); 15% red angular and subrounded fragments (½"-1"), in a fine grained siliceous matrix. Qtz: 20%. A one foot long fine grained sil. section (as described at 370.0, in centre of zone. 409.0 Volcanics (?) Fine grained, massive, hard, dark green, siliceous rock, cut by 5% narrow (few mm) stringers of qtz. locally strongly epidotized. Minor zones of foliation  $(20^{\circ}$ c.n.) Red acidic fragments 1%, no carbonate; trace py.
- 446.6 Mineralized Zone. Cpy: 4%, pyl%, in a fine grained slightly fragmented rock as describe! at 409.0. Note a l" qtz stringer with sphalerite and cpy at 440.5'.
  449.5 Mineralization decreases to less than 1% cpy; rock is still highly siliceous, becomes medium fragmented, greyish green; contains 5% acidic, pink and pale brown fragments (½"-3"). Medium epidotization, high patchy chloritization.
  481.2

- 313.0 Green dyke. Pale brownish green, porphyritio. 30% anhodral soft, green phenocrysts (1-5 mm) in a line grained green matrix. Rock is hard, minusive, fresh. Sharp contacts at OU c.n. 321.3
- Mineralized Zone. Cpy: 1.5%, py: 1%, po: 1%, in a highly bracciated zone. The rock consists of 5% red acidic fragments (48-68) in a quarts ((30%) matrix). B21.3 No curbonate. Medita spidotization. Rock as a whole is hard, not chloritized. In a few places gabbroic texture ovident. 340.5
- Rhyolitic Agglomerate (?). The rock consists of 75% red apparatic, soldic, angular fragments (2"-2"), 20% interstitial quartz, and 5% basic, slightly chloribized and fractured material. Minor epidote, no carbonate. \$40.5 Trace py and cpy, associated with quarts. 345.5 Rock maintains its agglomeratio appearance; but the

fragments become smaller (1-1"), and not as numerous (5%). 60% fine grained basic epidotised and siliceou fragmented material, 35% interstitual quarts. The rock contains a few short (5%-10%) massive, very fine grained hard, siliceous phases with abrupt, but not sharp contacts, Some of these show gabbroic texture. Few vugs with coursely crystalline euhedral quarts. Trace py and cpy.

370.0 Very fine grained, hard, siliceous, dark green rock, massive, out by 15% quarts stringers. Contains a 4" brecointed and medium epidotized section in centre.

soft brownish microcous alteration. (volcanics?)
376.5 Rhyolitic agglomerate (?). 50% anghlar, pale green
highly siliceous fragments (1 = 2 m), 5% siliceous fragmented
dark green material, in a quarts (25%) matrix. No carbonate.
Cpy 1%, py 1%.
390.4 Same as or 370.0 Minor epidote, and minor brecciated

sections.

402.0 Rhyolite (?). Pale green, aphanitic, very hard, highly siliceous rock, distinctly foliated at 25° c.n. Sharp upper contact at 25° c.n. Medium epidote, qtz-carbonute: 2%.

404.2 Rhyolite agglomerate (?) Pale green, due to abundant epidote, (30%); 15% red angular and subrounded fragments, (an -la). in a fine grained siliceous matrix. Qtat 20%.

A one foot long fine grained sil. section (as described a t 370.0, in centre of sone.
409.0 Volcanics (7) Fine grained, massive, hard, dark green, siliceous rock, cut by 5% narrow (few mm) stringers of qts.
Locally strongly epidotized. Minor zones of foliation (200 c.n.) Red scidic fragments 19, no carbonate; trace py. 446.6

446.6 Mineralized Zone. Cpy: 4%, py 1%, in a fine grained. sligthly fragmented rock as described at 409.0; Note a 1" qtz stringer with sphalurite and cpy at 440. 449.5 Mineralization decreases to less than 15 opy; rock is still highly siliceous, becomes medium fragmented, greyish green; contains 5% acidic, pink and pare prown rragadice (2"-3"). Medium epidotization, high patchy chloritization. contains 5% acidic, pink and pale brown fragments

482.2

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pg.4

- 481.2 Cpy increases to 3%, py 3%, trace sphalatite. Rock is less siliceous, medium chloritized, medium sericitized, carbonatized, and medium fragmented. Pale sericitized and silicified fragments (less than ½") 10-15%.
  488.3 As above, but only trace cpy, po and py 1-2%.
  500.0
- Zone of Fragmentation and Alteration. Greyish green siliceous rock consisting of 10-15% acidic, pale green, pink, and grey, aphanitic fragments (½"-5") in a fine grained green, siliceous, slightly sericitized, matrix. Medium patchy chloritization, low-med. epidotization. Qtz: 2-3%, no carbonate. Trace pyrite and chalcopyrite, an molybdenite.

  548.5 Felsite (?) pale pinkish grey, highly siliceous, aphanitic rock. Sharp contacts at 0° c.n. Medium fractured, with chlorite along fracture planes.

  552.5. As at 500.0, with few slightly carbonated zones.
  Note: this zone (from 500' on) in part resembles the rhyolitic agglomerate described at 376.5, but differs from it by smaller quantity of quartz, and by its not as well brecciated appearance.
- Volcanics (?) Very fine grained, dark green, highly siliceous rock; low chlorite, mipor soft brownish micaceous alteration. Faintly foliated at 60° c.n. 623.8
- 623.8 End of Hole.

481.2. Opy increases to 3%, py 3%, trace sphalorite. Rock is less siliceous, medium chloritized, medium cericitized, carbonatized, and medium fragmented. Pale sericitized and silicified fragments ( less than 2") lo-15%.
488.3 As above, but only trace opy, po and py 1-2%.
500.0

200.0 Zone of Fragmentation and Alteration. Greyish green siliceous rock consisting of lo-15% acidic, pale green, pink, and grey, aphanitic fragments (4"-5") in a fine grained green, siliceous, slightly sericitized, matrix. Medium patchy chloritization, low-med. epidotization. Qtx: 2-3%, no carbonate. Trace pyrite and chalcopyrite, an molybdenite.

548.5 Felsite (?) pale pinkish grey, highly siliceous, aphanitic rock. Sharp contacts at 0° c.n. Medium fractured, with chlorite along fracture planes.

552.5 As at 500.0, with few slightly carbonatized sones. Note: this zone (from 500° on) in part resembles the rhyolitic agglomerate described at 376.5, but differs from it by smaller quantity of quarts, and by its not as well breccisted appearance.

618.0 Volcanics (?) Very fine grained, dark green, highly silicabus rock; low chlorite, minor soft brownish misageous alteration. Faintly foliated at 600 c.n.

623.8 End of hole.

Natilie Michia

Tribag Mining Company Limited PROPERTY: EB-8 HOLE NUMBER: LOCATION: Batchawana Bay, Ontario DIP TESTS 90° 1330 S Latitude: Dip: Footage Reading Corrected 5900 E 500.71 -89° A 160 W Departure: Depth: 500.0 Elevation: Commenced: Oct. 27,1963 Azimuth: Finished: Oct. 30,1963 M. Blecha logged by:

SAMPLE DESCRIPTION

0.0 Casing 12.0

Mineralized Zone of Alteration and Fragmentation. 12.0 Cpy 1%, py 1%, Rock consists of 30% pink, siliceous fragments, (½"-3") in a med. silicified, epidotized, slightly carbonatized matrix. Med. fragmentation. Qtz-carb: 3-4%. Contains 10% short (1"-3") relatively undisturbed fresh gabbroic sections, and a few short (3"-5") very fine grained dark green, siliceous, massive phases. 33.0 Gabbro, medium grained, almost black, massive. Minor patchy chloritization. Trace py along fractures. Trace cpy. No Qtz. carb. 36.3 As at 12.0, but less fragmented and predominantly basic fine grained rock, with 1-2% acidic fragments. Disseminated cpy 1%, associated with med. carbonatized phases. Py:1-2%. 48.0 Acidic fragments and masses predominate (80%), Relatively low fragmentation. Trace cpy, py. Qtz-carb: 1%. 51.5 Med. fragmentation, rock is predominantly basic, with 20-30% pink and white acidic fragments. Low chloritization, medium carbonatization. Qtz-carb: 3-5%. 57.5 Dyke (?) Very fine grained, massive, almost black, py 1%. Core broken up in first two feet. Carbonate-filled fractures: 1-2%. 64.3 Mineralized zone. Cpy 1%, py 1%. High fragmentation, Red acidic fragments 50%, (½"-3"). Medium carbonatization, low chloritization of basic constituents. 66.7 Mineralized zone. Cpy 1%, py 1-2%, in a relatively undisturbed dyke rock (?), as described at 57.5. ?1.2 Cpy 8-9%, py 1-2%, in a carbonatized, highly fragmented, pale green, basic rock. Quartz-carb: 15%. 77.2 Cpy 1%, py 1%; med. fragmented, highly altered rock. Patchy sericitization, chloritization and carbonatization. Contains 15% whitish and pinkish acidic fragments (avge.size: ½") Boundaries of these fragments are partly obscured by heavy alteration. 80.0 As above, but acidic constituents increase to 50-60%.

81.0 Feldophyre (?) Dark pinkish grey, well banded at 45° c.n. Pseudoporphyritic, with 10% indistinct reddish phenocrysts in a fine grained matrix. Hard, siliceous, slightly fractured, Tr. py. 95.3

ROPEL T	ribag Mining (	Jompany Limitèd.		HOLE NUMBER	KB-8
OCATION	Bathcassana Bay	y. Ontario	. ,	' DIP TESTS	•
	1330 8	Dips 90°	Footoge	Reading	Corrected
•	5900 B	Depths 500.7*	500.0	-89°	8 16 <sup>®</sup> W
Elevations	•	Commenced: Oct. 27,		Roteller	. Milio
Azimuthi		Finishedi Oct. 30.	1963 Logged byn		1
		DESCRIPTION			
0.0	Casing				
12.0	opy 1%, py fragments, bonatised m Contains 100 fresh gabbr fine graine 33.0 Cabbr Minor patch Trace cpy. 36.3 As at basic fine Disseminate phase. Py 18.0 Acidi folatively 15.5 Med. with 20-3c, retiration, 57.5 Dyke py 18.0 Core filled frace 64.3 Miner Red acidio zation, low 66.7 Minera undisturbed	Zone of Alteration and the Rock consists of M(18-38) in a med. silicatrix. Med. fragmentation short (18-38) relations to sections, and a few dark green, silication, nedium grained, almost contractive and rock, with 1-28 to Otsicarb.  12.0, but less fragment fragments and masses low fragments and masses low fragmentation, rock in pink and white acidic medium carbonatisation (7) Very fine grained, broken up in first two tures; late.  fragments 500, law-10, chloritikation of bas lised sone. Cpy 15, process days of the core (7), as des-20, py 1-20, in a carpale green, busic rock.	of pink, siliconfied, epidetion. Obsided, epidetion. Obsides of the water was a series of the control of the co	regulation of the constitution of the constitu	
61.	77.2 Gpy 1 rock. Patch natisation. fragments (are partly 80.0 As ab 60%. 81.0 Pelsophyre recudoporph	F, py lP; med, frugmen y mericitization, chlo	ted, highly all ritization and she and pinkish ries of these ration. tuetus increase well banded a tingt reddish	tered i carbo- a soldie fragments se to 50- at 450 c.a. phenogryss	a al

- 95.3 Mineralized Zone. Cpy 1%, py 1-2%. Highly altered sericitized, carbonatized, soft, very highly fragmented rock, with less than 5% pinkish acidic fragments. Probably an altered phase of the above felsophyre.

  100.0
- 100.0 As at 81.0
- 105.0 Mineralized Zone. Cpy. 0.5-1.0%, 1-2% py, po 2-3%. Pale green, medium fragmented; patchy medium chloritization, seriditization. Pale green acidic fragments: 10-15%. Boundaries of these fragments are obscured by alteration. Zone contains a few short (one foot) zones of very fine grained highly siliceous, dark green, massive rock, with abrupt, but not sharp boundaries. Qtz-carb: 1-2%.
- 151.7 Felsite (?) Whitish grey, aphanitic medium fractured, with 10% irregular inclusions of pale greyish green chloritic material. Disseminated pyrite 1%. 155.3
- 155.3 Mineralized Zone, Highly altered and fragmented, as at 105.0 Py 5%, cpy 1%, pale green, patchy. 158.5 Felsite, as at 151.7 161.3 Mineralized Zone as at 105.0 Py 5%, cpy trace, 186.9
- 181.9 Zone of fragmentation and Alteration. Rock is predominantly acidic, with 80% greyish brown, aphanitic phases. Medium fragmentation. Locally distinctly foliated at 45° c.n. Minor pseudoporphyritic phases as at 81.0'. Contains 10% chloritic inclusions, with minor disseminated pyrite, and trace cpy. Qtz-carb: 1% 188.3
- Mineralized Zone. Altered and fragmented. Py 3-5%, cpy trace, with local concentration from 195.7 197.9. Patchy high chloritization, sericitization.
  199.5 Fine grained, irregularly foliated, hard, dark brown-grey rock, trace pyrite; lower contact sharp at 40° c.n.
  201.0 Mineralized zone as at 188.3. Py 5-7%, po 1-2%, trace cpy, Qtz.-carb. 3-5%.
  215.7 Mineralized Zone. Cpy 3%, py 1-2%,in a medium fragmented, med, carbonatized, chloritized and sericitized rock.
- 217.8 Zone of silicification and fragmentation. Pale green, hard, slightly fragmented rock, becoming dark greyish brown at 220', as at 199.5' Py, cpy 1%, qtz-carb: 0.5%. 225.0
- 225.0 Mineralized Zone. Highly altered and fragmented. Cpy 5-6%, py 3-4%, po 1%; high patchy chloritization, sericifization and carbonatization. 10-15% indistinct, soft, pale whitish grey fragments. Over-all colour of rock is pale green, qtz-carb:5-6% 253.0 Highly sericitized zone, pale whitish green, soft, partly disintegrated, numerous stricted planes at various angles. 255.0 Mineralized zone as at 225'. Cpy 10%, py, pc 1-2%. 260.0, as above, but decrease of cpy to 2-3%.
- 263.8
  263.8
  Zone of silicification and fragmentation, as at 199.5
  Patchy soft brownish micaceous alteration, sharp lower

Nathen Miles EB-8

- 95.3 Mineralized Sone. Cpy-1%, py 1-2%. Highly altered seriultized, carbonatized, soft, very highly fragmented. rock, with less than 5% pinkish acidic fragments. Probably an altered phase of the above felsophyre. 100.0
- 100.0 O. It is ea
- Mineralized Zone. Cpy. 0.5-1.0%, 1-2% py, po 2-3%. 105.0 Pale green, medium fragmented; patchy medium chloritisstion, sericitization. Pale green acidic fragments: 10-15%. Boundaries of these fragments are obscured by alteration. Zone contains a few short (one foot) zones of very fine grained, highly siliceous, dark green, massive rock, with abrupt, but not sharp boundaries. Qtx-carb; 1-2%.
- Felsite (7) Whitish grey, aphanitic, medium fractured, with 10% irregular inclusions of pale greyish green chloritic material. Disseminated pyrite 1%. 151.7
- Mineralized Zono. Highly altered and fragmented, as at D 55.3 105.0 Py 5%, cpy 1%, pale green, patchy. 15A.5 Felsite, as at 151.7 1613. Mine alized Zone as at 155.0 Py 5%, cpy truce. 186.9
- Zone of Pragmentation and Alteration. Rock is predominantly acidic, with 80% greyish brown, aphanitic phases Hedium fragmentation. Locally distinctly foliated at 45° 181.9 Minor pseudoporphyritic phases as at 81.0%. Contais 10% chloritic inclusions, with minor disseminated pyrite, and trace opy. Qtz-carb: 1% 188.3
- 188.3 Hinoralized Zone. Altered and fragmented. Py 3-5% cpy trace, with local concentration from 195.7 - 197.9. Patkey high chloritization, sericitization. 199.5 Pine grained, irregularly foliated, para, dark brown-grey rock, trace pyrite; lower contact sharp at 40°n.n. 201.0 Minearalized zone as at 188.3. Py 5-7 %, po 1-2%, trace opy, Qts-cerb. 3-5%.
  215.7 Mineralised Zone. Cpy 3%, py 1-2%, in a medium fragmented, med, carbonatized, chloritized and sericitised rock. 217.8
  - 117.8 Zone of milicification and fragmentation. Pale green, hard, slightly fragmented rock, becoming dark greyish brown at 220, as at 199.5. Py, cpy 1%, qts-carbi 0.5%. 225.0
  - \$25.0° Mineralized Zone. Highly altered and fragmented. Opy 5-6%, py 3-4%, po 1%; high patchy chloritization, sericitization, and carbonatization. 10-15% indistinct, soft, pale whitish grey fragments. Over-all colour of rock is pale green, qtx-carb: 5-6%.
    253.0 Highly sericitized zone, pale whitish gree, soft partly disintegrated, numerous stricted planes at various angles. 255.0 Mineralized zone as at 225°. Cpy 10%, py,po 1-2%. 260.0, as above, but decrease of cpy to 2-3%.

263.8 363.8 Zone of silicification and fragmentation, as at 199.5 ECEIVED WOV 12 1000 Patchy boft bro which micaceous elteration, sharp lower

- contact at 50° c.n. Locally gabbroic texture evident. 271.2
- 271.2 Zone of fragmentation. 35-40% red acidic fragments and masses (½"-3") in a siliceous, medium epidotized, med. carbonatized greenish grey matrix. Patchy medium chloritization. Qtz-carb: 5-7%, trace py, po. Splashes of cpy (2%) from 279.1-280.8. (Possibly a rhyolite agglomerate?) 281.0
- 281.0 Highly altered Zone. High chlorite, medium carbonate.

  Dark green, relatively massive, except for medium fragmentation near end. Qtrz-carb: 1-2%.

  286.4
- 286.4 Green Dyke. Dark green, chloritized subhedral phenocrysts (1-3 mm), in a pale green, medium carbonatized matrix. Silicified lower contact at 750 c.n. Qtz-carb. stringers 1-2%. 295.0
- 295.0 Silicified zone. Dark green, fine grained, almost massive rock. One foot long zone of brecciation in centre, in which 80% red acidic fragments (½"-2") are embedded in a fine grained, dark green siliceous matrix. Minor epidotization near end. 302.0
- 302.0 Mineralized Zone, Cpy 2%, trace cpy in a fine grained grey, soft, highly chloritized and sericitized rock.
  303.4 Silicified Zone, fine grained, dark green, massive, very hard siliceous rock. Qtz-carb stringers 1-2%, no mineralization.
  306.0 Py 1-2%, cpy: tr. ce. in a highly altered zone. Pale greyish green, patchy rock, medium carbonatized chloritized and sericitized, minor epidote. Contains 5% pale green, sericitized and siliceous indistinct fine grained fragments. Qtz-carb: 10-15%.
  325.7 Cpy 1.5%, py 3-4%, in a highly altered zone, as described at 306.0.
  329.0
- 329.0 Silicified Zone, as at 303.4, but locally slightly fragmented, and epidotized. Minor patchy chloritization. Qtz-carb: 2-3%.
- 339.0 Zone of Alteration. Pale greyish green, patchy rock, medium carbonatized, chloritized, and sericitized, minor epidote, relatively low fragmentation. Contains few minor silicified zones as described at 329.0'. Trace cpy, 1-2% py. 328.0 Silicified zone, as at 329.0 360.0 Highly altered zone, medium fragmentation, greenish-grey, medium patchy chloritization, carbonatization. Contains 20% extremely sericitized, soft, pale green phases between 360'-365'. 10-15% indistinct, pale green, fine grained fragments. Qtz-carb: 1-2%, trace sulphides.

385.2 Silicified zone as at 303.4 387.8

EB-8. p.

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confact at 50°c.n. Locally gabbroic texture evident. 271.2

- 271.2 Zone of fragmentation. 35-40% red acidic fragments and masses (3"-3") in a silicous, medium opidetised, medicarbonatized grounds grey matrix. Fatchy medium chloritization. Qtz-carb: 5-7%, trace py.po. Splanks of cpy (2%), from 279.1-280.8. (Possibly a rhyolite agglementar) 231.0
- 281.0 Highly altered Zone. High culorite, medium carbonate.

  Dark green, relatively massive, except for medium fragmentation near end. Qtrz-carb: 1-24.

  286.4
- 286.4 Green Dyke. Dark gree, chloritized subhedral phonogorysts (1-3 mm), in a pale green, medium carbonatized matrix. Silicified lower contact at 750 c.n. Gtg-carb. stringers 1-2%.
- 295.0 Silicified rone. Park green, fine grained, almost cussive rock. One foot long rone of brecciation in centre, in which 80% red acidic fragments (th-20) are embedded in a fine grained, dark green siliceous matrix. Hinor epidotization near end.
- 302.0 Mineralized Zone. Cpy 2%, trace py in a fine grained grey, soft, highly chloritized and soricitized rock.
  303.4 Silicified Zone, fine grained, dark gr en, massive, very hard siliceous rock. Ctz-carb stringers 1-2%, no mineralization.
  306.0 Py 1-2%, cpy: tr ce, in a highly altered zone. Pale grayish green, patchy rock, medium carbonatized, chloritized and sericitized, minor epidote. Contains 5% pale green, pericitized and siliceous indistinct fine grained iraginate. Ctz-caro: 10-15%.
  325.7 Cpy 1.5%, py 3-4%, in a highly altered zone, as described at 306.0
  329.0
- 329.0 Silicified Zone, as at 303.4, but locally slightly fragmented, and epidotized. Minor patchy chloritization. Qtz-carb: 2-3%.
- 339.0 Zone of Alteration. Pale greyish green, patchy rock, medium carbonatized, chloritized, and dericitized, whom epidote, relatively low fragmentation. Contains few minor silicified some as described at 329.0. Trace cpy, 1-2% py.

  358.0 Silicified zone, as at 329.0

  360.0 Highly altered zone, medium f agmentation, greenish-grey, medium patchy chloritization, carbonatization. Contains 20% extremely scricitized, soft, pale green phases between 360'-365'. 10-15% indistinct pale green, fine grained fragments. (tz-carb: 1-2%, trace sulphides.

  365.2 Silicified zone as at 3034

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387.8 Highly altered Zone as at 360.0 Medium fragmentation, gabbroic texture locally distinct. Po,py 1-2%, trace cpy. Patchy high chloritization, med. carbonatization, qtz-carb: 1-2%. 450.0 Rock gradually becomes relatively undisturbed, fine grained, dark green, low chlorice, medium carbonate, Py 1-2%. 460.0 As above, but pyrite increases to 5%. 462.3

- 462.3 Highly Altered Zone. Dark green, patchy, high carbonate, medium chlorite.
  463.5 Highly brecciated, dark greyish green rock, consisting of fine grained fragments (½"-1"), (60%), in a quartz-carbonate matrix. Qtz-carb: 40%.
  465.0 Highly altered and fragmented rock, patchy, highly chloritized, medium sericitized, highly carbonatized.
  476.5
- 476.5 Highly sericitized Zone. Rock is yellowish-green, soft, highly sericitized, medium silicified. Indistinct foliation 45° c.n. partly obscured by alteration. Contains a 0.5' highly chloritized and sheared zone with 10% pyrite at 491.3 Note minor specks cpy at 500.2'. 500.7
- 500.7 End of Hole.

EU-8. p.4

387.8 Highly altered Zone as at 360:0 Medium fragmentation, gabbroic texture locally distinct.
Po,py 1-2%, trace cpy. Patchy high chloritization, med. carbonatization, qtx-carb: 1-2%.
450.0 Rock gradually becomes relatively undisturbed, fine grained, durk green, low chlorite, medium carbonate. Py 1-2%.
460.CAs above, but pyrite increases to 5%.

Highly Altered Zone. Dark green, patchy, high carbonate, medium chlorite.
463.5 Highly brecciated, dark greyich green rock, consisting of fine greened fragments (t\*-l\*), (60%), in a quarts-carbonate matrix. Qtz-carb:40%.
465.0 Highly altered and fragmented rock, patchy, highly chloritized, medium soricitized, highly carbonatises.

476.5 476.5
Highly sericitized Zone. Rock is yellowish-green, soft, highly sericitized, medium silicified. Indistinct foliation 45° c.n. partly obscured by alteration. Contains a 0.5° highly chloritized and sheared sone with 10° pyrite at 491.3. Note minor specks cpy at 500.2°. 500.7

500.7 End of Hole.

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HOLE NUMBER: (deepening) Tribag Mining Co. Ltd. PROPERTY: LOCATION: Batchawana Bay, Ontario DIP TESTS 90° 1330 S Latitude: Dip: Footage Reading Corrected S 16° W -88° 708.01 500.0 5900 E Departure: Depth: Deepening from 500.7' Elevation: Commenced: Nov. 22, 1963 Azimuth: Finished: Nov. 24, 1963 Logged by: Matthew Blecha

SAMPLE DESCRIPTION

Note: On re-measuring of the depth of EB-8 the bottom of D.D.H. EB-8 was found to be at 507.0', rather than at 500.7', as had been reported in the first part of the log. No core was lost.

- 507.0 Highly sericitized Zone. Soft, yellowish green, highly altered rock, but by 10% qtz stringers. Fine grained 'sandy'texture. 2-3% finely disseminated pyrite. Qtz stringers mostly oriented at 45-60° c.n., giving the rock a locally banded appearnace. Note highly chloritized, slightly brecciated zones with 25% qtz, and 3-5% py from 516.0-517.0, and from 518.8 519.3. 524.3 Highly sericitized Zone, as above, but rock becomes darker, due to high chloritization. Qtz. 10-15%, py 2-3%.
- 532.0 Fault Zone. High chloritization, and sericitization. The rock is very soft, and partly disingegrated, muddy. Strongly sheared at 45°c; 533.0 As above, but chloritization decreases, and rock is less strongly sheared, but still highly sericitized, and very soft. 536.5 Highly sericitized, partly disintegrated rock. Strong shearing at 40°c.n. 538.0
- 538.0 Felsite-Rhyolite? Chloritization and sericitization gradually decreases, and the rock becomes highly siliceous, greenish yellow, with pale reddish phases. Aphanitic, and medium fractured. Minor short sections of sericite alteration, (as at 507.0), with associated traces of pyrite. Minor local banding at 50°c.n. Note highly sericitized fracture at 80° c.n. at 566.5-567.0'. Note fine grained grey dykelet, parallel to core from 569.8 to 571.0', with partly broken up core. Note &" cpy str. (50°c.n.) at 544.6 571.0 Felsite-Rhyolite? Well banded at 40°c.n. The bands are 1-10 mm thick, fairly regular, and range in colour from pale green to yellow and pink. The rock is siliceous, hard, with minor, soft sericitized phases. Minor fracturing. In places the rock appears brecciated, with angular fragments of relatively fresh and sericitized rock (\(\frac{1}{\''-1}\'')\) separated by hair-thin qtz stringers. Total qtz: 2-3%. 605.6
- 605.5 Felsite-Rhyolite, as above, but pale pinkish colour predominates. Still banded, but includes several massive sections. 609.0

Tribug Mining Co. Ltd., HOLE NUMBER, XB-8 PROPERTY: (deepening) DIP TESTS Batchavana Bay, Onterio LOCATION: DIN 900 8 0 د بد Footage Reading Corrected Latitude 3 16° W -88° 708.01 500.0 5900 X Depthi Departure: Deepening from 500.71 : Commenced: Nov. 22, 1963 Elevation Logged by: Hatthew Blacks Finished: Nov. 24. 1963 Azimuthi DESCRIPTION Note: On re-measuring of the depth of RB-8 the bottom of D.D.H. EB-8 was found to be at 507.01, rather than at 500.7°, as had been reported in the first part of the log. No core was lost. 507.0 Highly sericitized Zone. Soft, yellowish green, highly altered ·rock, cut by 10% qts stringers. Nine grained "sandy" texture. 2-3% finely disseminated pyrite. Qts stringers mostly oriented at 45-60°o.m., giving the rook a locally banded appearance. Note highly chloritized, slightly brecciated zones with 25%qtz, and 3-5% py from \$16.0-517.0, and from 518.8 - 519.3. 524.3 Highly sericitized Zone, as above, but rook becomes darker, due to high chloritization. Q:s 10-15%, py 2-3%. 532.0 552.0 Fault Zone. High chloritization, and sericitization. The rock is very soft, and partly disintegrated, maddy. Strongly sheared at 450c.m. 503.0 As above, but chloritization decreases, and rock is less strongly sheared, but still highly sericitized, and very soft. 536.5 Highly suricitized, partly disintegrated rook. Strong shearing at 4000.n. 538.0 508.0 Yelsite-Rhyolite? Chloritization and sericitization gradually decreases, and the rock becomes highly discous, greenish yellow, with pale reddish phases. Aphanitio, and medium fractured. Minor short sections of sericite alteration, (as at 507.0), with associated traces of pyrite. Minor local banding at 5000.m. Note highly pericitized fracture at 80°c.a. at 566.5-567.01. Note fine grained, grey dykelet, parallel to core from 569.8 to 571.01, with partly broken up core. Note in opy str. (500s.n.) at 544.6 571.0 Felsite-Rhyolite? Well banded at 4000.m. The bands are 1-10 mm thick, fairly regular, and range in colour from pale green to yellow and pink. The rock is siliceous, hard, with minor, soft sericitised phases. Minor fracturing. In plakes the rock appears brecoisted, with angular fragrents of of relatively fresh and sericitizaed rock (ta-la) separated by hair-thin qts stringers. Total qts: 2-3%. 605.5 b05.5 Felsite-Rhyolite, as above, but pale pinkish colour predominates. Still tanded, but includes several massive sections. 609.0

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- 609.0 Brecciated Zone 50% yellowish and pinkish angular and subrounded fragments (1-50 mm) embedded in a qtz matrix. Upper contact sharp and irregular, lower contact sharp at 55° c.n. 610.9
- 610.9 Felsite-Rhyolite. Pale pinkish brown, aphanitic, highly siliceous, massive, with minor well banded section (70° c.n.) Minor fracturing, minor short sericitized zone. Minor qtz stringers parallel to banding. 627.2
- Altered Zone. First 10" highly brecciated, with 50% pink sub-rounded, acidic, fresh fragments (½"-½") in a grey, siliceous matrix. From 628.0 on the rock becomes highly sericitized, and chloritized, very soft, and partly disintegrated. Shearing at 60-90 c.n. partly obscured by alteration. (fault?) The zone includes relatively massive, pink, fresh section of felsite-rhyolite from 628.2-628.6 and from 630.5-631.7
- 633.3 Felsite-Rhyolite. As at 610.9. From 642.4 the core is badly broken up.
  643.3 Lost core.
  645.0 Felstite Rhyolite. Relatively fresh, but highly fractured, with high sericitization of fracture planes.
  1% py, Qtz 5%,
  664.3
- 664.3 Volcanics (?) Dark grey, fine grained, relatively fresh and massive. Locally amphibolitized. Minor epidotization, 1-2% py.
  677.9
- 677.9 Rhyolite (?) Dark reddish green, highly siliceous, cherty rock, consisting of indistinct dark reddish fragments and patches in a dark green siliceous matrix. Locally well banded at 70-80 c.n. Dark reddish green phases alternating with green section. Qtz 2-3%. 700.0
- 700.0 Siliceous zone. Dark green, very hard, fine grained rock, medium fragmented, medium patchy epidotization. Qtz 10%, py, 2-3%.
- 708.0' End of Hole.

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- 609.0 Brecciated Zone. 50% yelloqish and pinkish angular and subrounded fragments (1-50 mm) embedded in a qts matrix. Upper contact sharp and irregular, lower contact sharp at 55°c.m. 610.9
- felsite-majorice. Pale pinkish brown, aphanitic, highly siliceous, massive, with minor well bended section (70°c.m.) Minor fracturing, minor short sericitized some. Minor qts stringers parallel to beading. 627.2
- Altered Zone. First 10<sup>st</sup> highly brecciated with 50% pink subrounded, acidic, fresh fragments (\frac{1}{2}^{-1}^{-1}) in a grey, siliceous matrix. From 628.0 on the rock becomes highly sericitised, and chloritised, very soft, and partly disintegrated. Shearing at 60-90°c.s. partly obscured by alteration. (fault?) The sone includes sealtively massive, pink, fresh section of felsite-rhyolite from 628.2-628.6 and from 630.5-631.7
- bis. Felsite-Rhyolite. As at 610.9. From 642.4 the core is bedly broken up. 643.3 Lost core. 645.0 Felstite Rhyolite. Relatively fresh, but highly fractured, with high sericitisation of fracture planes. 15 py, Qts 5%. 664.3
- Volcanics (?). Dark grey, fine grained relatively fresh and massive.
  Locally amphibolitized. Minor epidotisation, 1-25 py.
  677.9
- 677.9 Rhyolite (1) Dark reddish green, highly siliceous, cherty rook, consisting of indistinct dark reddish fragments and patches in a dark green siliceous matrix. Locally well banded at 70-80 s.n. Dark reddish green phases alternating with green section. Qtx2-3%.
- 700.0 Siliceous zone. Dark green, very hard, fine grained rook, medium fragmented, medium patchy epidotisation. Qts 10%. py, 2-3%. 708.0
- 708.0' Ind of Hole.

Malitim Midlig

PROPERTY: Tribag Mining Company Limited HOLE NUMBER: ER-9Batchawana Bay, Ontario LOCATION: DIP TESTS Dip: 90° 1180 S Latitude: Footage Reading Corrected 890 5800 E 498.0' 498.0 Departure: Depth: Nov. 1,1963 Elevation: Commenced: Nov. 5,1963 M. Blecha Azimuth: Finished: Logged by:

DESCRIPTION

0.0 Casing 19.0

SAMPLE

NUMBER

19.0 Gabbro. Fine-medium grained, even texture, dark green, very hard, massive. 20-30% feldspar, in part stained red. Rock is cut by 1% hair-thin quartz stringers at random angles. Minor streaks of epidote. The zone contains few minor (3-6") zones of medium silicification, epidotization, carbonatization, and red feldspathic alteration, with associated traces of pyrite. 83.4 1.5% cpy associated with a ½' quartz stringers at 80° c.n., within a medium epidotized and silicified phase of gabbro. Disseminated pyrite 2%.

84.7 Gabbro, as at 19.0', massive. Zones of medium epidotization and silicification become more numerous (30-40%), and the rock is cut by a few (1%) white carbonate stringers. Total qtz-carb: 1-2%, py 1%. 80% of feldspar constituents are stained red. 90.0 Medium chloritized gabbro, medium fractured, qtz

stringers 10%

91.0 Gabbro, as at 19.0'.

123.0 Gabbro, as above, minor red staining of feldspar constituents.

140.0 Altered gabbro, medium epidotized, silicified, and carbonatized. Minor fragmentation, trace py.

142.5 Gabbro, as at 19.0'. Massive, fresh, with minor epidotized and silicified phases. Minor red staining of feldspar. Qtz-carb less than 1%.

159.3 Altered gabbro, as at 140.0 Trace pyrite.

162.0 Gabbro, as at 19.0; red feldspar increases to 20%.

184.0 Gabbro as above, but core partly broken up. Carbonate

filled fracture parallel to core.

185.0 Gabbro, as above; minor short zones of low epidotization, and red feldspar staining, with traces of pyrite. Core partly broken up from 188'-190'.

222.5 Altered gabbro. Medium epidotized, silicified, low

carbonatization; red staining of feldspar 40%.

226.0 Gabbro, massive and fresh. Minor epidote, trace pyrite along fracture planes. No qtz-carb., red feldspar 10%.

243.0 Gabbro as above, but low epidotization, 40% red feldspar, minor silicification. Trace py. Core broken up from 257.0-257.4, and from 258.5-259.3.

259.8

Tribas Mining Company Limited HOLE NUMBER EB ... 9 PROP. ...YI LOCATION, Batchaviana Bay, Ontirio DIP TESTS Dips 90° 1180 3 Footage Latitudes 498.0 5800 E Depth 498.07 Departures Nov. 1, 1963 Commenced: **Elevation** Nov. 5, 1963 logged by M. Blacha . Azimuthi SAMME DESCRIPTION NUMMER 0:0 Casing 19.0 19.0 Gabbro. Fine-medium grained, even texture, dark green hard, massive. 20-30% feldspar, in part stained red. Rock is cut by 1% hair-thin quartz stringers at random angles. Minor stresks of epidote. The zone contains few minor (3-6") zones of medium silicification, apidotination, carbonatization, and red feldspathic alteration, with associated traces of pyrite.
83.4 1.5% opy associated with a 2" quarts stringers at 80 c.n., within a medium epidotized and silicified phase of gabbro. Disseminated pyrite 2%. 84.7 Gatbro, as at 19.0', massive. Zones of modium epidotization and silicification become more numerous; (30-40%), and the rock is cut by a few (1%) white carbonate stringers. Total qts-carbil-2%, py 1%.
80% of feldspar constituents are stained red.
90.0 Medium chloritized gabbro, medium fractured, qtz stringers 10% 91.0 Gabbro, as at 19.0'. 123.9 Outtro, as above, minor red staining of feldspar constituents. 140.0 Altered gabbro, medium epidotized, milicified, and curbonatized. Minot fragmentation, trace py. 142.5 Gabbro, as at 19.0°. Massive, fresh, with minor epidotized and silicified phases. Minor red staining of foldspar. Qtz-carb less than 1%.
159.3 Altered gabtro, as at 140.0 Trace pyirite.
152.0 Gabbro, as at 19.0; red feldspar increases to 20% 184.0 Gabbrom as above, but core partly broken up. . Cartonate filled fracture parallel to core. 135.0 Gabbro, as above; minor short zones of low epi-low carbonatization; red staining of feldapar 40%. 226.0 Babbro, massive and fresh. Minor epidote, trace pyrite glong fracture planes. No que-carb., red feld-sper 10%. ti, j. 243.0 Gabbro as above, but low epidotization, 40% red felspar, miner silicification. Trace py, Core troken up from 257.0-257.1, and from 258.5-259.3

- 259.8 Altered gabbro, as at 222.5. 15% epidote patches and stringers, medium silicified, and carbonatized. 20% red feldspar constituents.
- 262.5 Gabbro, fine-medium grained, massive, fresh. 10% red feldspar.
- 267.3 Fractured gabbro. Medium fracturing, 2-3% py along fracture planes. Med-low epidotization. Core badly broken up from 267.7-269.9. 270.4
- 270.4 Felsite-Rhyolite (?) Pale reddish grey-brown, aphanitic, highly siliceous, massive, uniform. Cut by less than 1% thin (few mm) qtz-carb stringers, and minor epidote stringers. Occasional minor faint banding at 70° c.n. Trace pyrite along fractures. 290.0 lost core.
  - 294.0 Felsite-rhyolite (?) as at 270.4. Core badly broken up from 298.1 299.0.
  - 315.0 Felsite-rhyolite (?) as above, but highly fractured. Fractures filled with coarsely crystalline quartz and carbonate (15%)
  - 316.0 Felsite-rhyolite (?) massive, as before, low epidotization. Qtz 1-2%.
  - 321.2 Highly fractured and epidotized felsite-rhyolite.
  - 322.2 Felsite-rhyolite (?) fresh, but still slightly fractured.
  - Minor sericitization along fractures with traces of pyrite
  - 325.4 Qtz vein, white, massive, barren quartz, sharp, irregular contacts.
  - 326.0 Felsite-rhyolite, as before, massive, fresh, except for minor medium-highly sericitized patches. Faint banding (80°c.n.) locally evident. Qtz stringers 1-2%, no carbonate. Trace disseminated pyrite associated with ser'd patches.
  - 344.5 Quartz Vein. White, massive quartz, Contains a 2" red feldspathic inclusion in centre. Trace pyrite along fractures. Upper contact lost, lower contact irregular, fractured, with minor feldspathic inclusions.
  - 347.4 Felsite-rhyolite (?), as before, qtz stringers 5%, trace pyrite along fractures.
  - 352.0 Quartz vein, Massive, white, barren quartz. Sharp, irregular contects.
  - 354 ) Felsite-rhyolite(?) as abeofe, medium fractured, patchy sericitization 2-3%. Qtz stringers and veinlets 3-5%. Trace disseminated pyrite associated with sericitized patches. Trace dark grey metallic mineral along fractures (molybdenite?) Note: trace sphalerite along fractures at 377.5.
  - 377.0 Felsite-rhyolite(?) as above. Fracturing increases to high. Core badly broken up from 372-373', and from 383-388'. Medium sericitization along fractures. Finely disseminated pyrite 1%.
  - 383-388'. Medium sericitization along fractures. Finely disseminated, pyrite 1%.
  - 388.5 Felsite-rhyolite(?), Slightly fractured, 1-2% qtz stringers, minor sericitization, along slip planes, trace pyrite, Faint banding at 80 c.n.
  - 416.0 Altered zone, pale yellowish green, medium sericitized, minor quartz stringers, high fracturing.
  - 418.0 Felsite-rhyoline(?) as before, slightly fractured, minor sericitized patches.
  - 420.4 Quartz vein, white massive, barren quartz
  - 421.1 Felsite-rhyolite(?), slightly fractured, qtz 1-2%

426.0

426.0

259.8 Altered gabbro, as at 223.5. 15% epitote patches and stringers, medium silicified, and carbonatized. 20% red faldspar constituents. 262.5 Gobbro, fine-medium grained, massive, fresh. 10% red feldepar. 267.3 Fractured gabbro. Medium fracturing, 2-3% py along fracture planes. Med-low epidotization. Core badly broken ur from 267.7-269.9. 270.4 370.1 Felsite-Rhyolite (?) Pale reddish grey-brown, aphanitic, highly siliaous, massive, uniform. But by less than 1% thin liew mm) qua-carb stringers, and minor topidots stringers. Occasional minor faint banding at 70° c.n. Trace pyrite along fractures. 290.0 Loss cork. 294.0 Pelstis-rhyolite (?) as at 270.4 Core badly broken up from 298.1 - 299.0, 315.0 Felsite-rhyolite (?), as above, but highly fractured. Fractures filled with coarsely crustalline quarts and carbonate, (15%)/ 316.0 Pelsite- rhyolite (?), massive, as before, low epidotization. Qtz 1-2%. 321.2 Highly fractured and epidotized felsite-rhyolite.... 322.2 Polsito-rhyolite (?), fresh, but still slightly fractured. Minor sericitization along fractures with traces of pyrite. 325,4 Qtz vein, white, massive, barren quarts, sharp, irregular contacts. 326.0 Felsite-rhyolite, as before, massive, fresh, except for minor medium-highly sericitized patches, faint banding (80°c.n.) locally evident. Qtz stringers 1-2%, no carbonate. Trace disseminated pyrite associated with ser'd patches.

344.5 Quartz Vein. White, massive quartz, Contains a 2" red feldpsathic inclusion in centre. Trace pyrite along fractures. Upper contact lost, lower contact irregular, fractured, with minor feldepathic inclusions.
347.4. Felsite-rhyolite (?), as before, qtz stringers 5%, trace pyrite along fractures. Quarts voin. Massive, white, barron quarts. Sharp. 352.0 irmogular contacts. 354.0 Pelsite-rhyolite (?), as before, medium fractured, patchy pericitization 2-3%. Qtz stringers and veinlets Trace disseminated pyrite associated with sericitized patches. Trace dark grey metallic mineral along. fractures (molybdenite?). Note trace sphalerite along. fractures at 377.5 377.0 Felsite-rhyolite (?) as above, Fracturing increases to high, core badly broken up from 372-373, and from to high, core badly broken up from 372-373, and from 383-388. Medium serjeitization sadng fractures. Finely disseminated.pyrite 1%. 388.5 Pelaite-rhyolite (?), slightly fractured, 1:25 ? qtz stringers, minor sericitization, along slip planes 418.0 Pelaite-rhyolite (?) as before, slightly fractured, minor sericitized patches. Quartz vein, white massive, barren quarts. Pelsite-rhyolite (?), slightly fractured, qts 1-25

Felsite-rhyolite, as before, but highly fractured. Core badly broken up. 2% fragments of highly chloritized dark grey rock found among the broken felsitic core. 431.3 Felsite-rhyolite, slightly fractured, 3-5% qtz stringers. Note chloritized slip plane at 70°c.n. at 437.5 443.0 Sheared and altered zone. Irregular high shearing at 45-70° c.n., high chloritization, silicification of a greenish black rock. 445.0 Felsite-rhyolite (?) as before, slightly fractured. Qtz-carb stringers less than 1%. Note: The sericitized phases of the above felsitic rock resemble

the highly sericitized rock encountered at the bottom of D.D.H. EB-8. 452.0

452.0 Gabbro - volcanics(?) dark green, fine grained, hard, slightly brecciated rock, with 5-10% indistinct felsitic inclusions (avge. size 1"), medium silicified, slightly chloritized. Trace cpy. 455.0 Mineralized zone 2-3%, very finely disseminated cpy in a fine grained volcanic (?) rock as described at 452.0'. 457.0 Gabbro. Abrupt increase in grain size to fine-medium. Low fracturing, minor patchy epidotization. 如 calcite stringer at lower contact. 459.2 Volcanics (?) very fine grained, dark green rock, hard;

minor epidotization, inor brown micaceous alteration, irregularly foliated at 30° c.n. (Low structure?) Trace molybdenite along fracture planes, trace cpy, less than 1% carbonate. 464.0 Gabbro(?) fine-medium trained, massive, minor epidotization.

Note MoS<sub>2</sub> and traces of cpy along a fracture parallel to core from 466.5-468.0

466.0 Volcanics, fine grained, dark green, as at 459.2. Minor brecciation in first 12 inches. Rock contains 5% pale grey feldspathic fragments (5-20mm), Carbonate-filled fracture with trace cpy at 473.0. Note minor hair-thin fractures with trace molybdenite between 477-4791.

483.5 Brecciated and altered zone. 30% indistinct acidic fractured fragments in a fine grained, siliceous matrix. Short, distinctly foliated zones from 485.5-486.0. 1-2% finely disseminated pyrite.

488.5 Mineralized Zone. 10% pyrite in a 1" qtz stringer at 85°c.n. Trace cpy.

489.4 Brecciated zone as at 483.5; 1-2% py, Core partly broken up from 493'-495', Less than 1% qtz-carb. stringers. 495.0 Gabbro. Fine-medium grained, fresh, massive. Minor epidote, trace pyrite. 498.0

498.0 End of Hole.

**DUPLICATE COPY** POOR QUALITY ORIGINAL TO FOLLOW

Core baidly broken up. 2% fragments of highly chloritized dark grey rock found arong the broken felsitic core.

431.3 Felsite rhyolite, slightly fractured, 3-5% qtz stringers. Note chloritized slip plane at 70 c.n. at 437.5

443.0 Sheared and altered zone. Irregular high shearing at 45-70°c.n., high chloritization, silicification of a greenish black rock.

445.0 Felsite-rhyolite (?) as before, slightly fractured.

447-carb stringers less than 1%.

Note: The sericitized phases of the above felsitic rock resemble the highly dericitized rock encountered at the bottom of 0.0.4. EB-8.

4,52.0 Gathro - volcanics (?) dark freen, fine grained, hard, slightly brecoisted rock, with 5-10% indistinct felsitic inclusions (avge size 1"), medium silicified, slightly chloritized. Trace cpy. 452.0 455.0 M'negalized zone 2-3% very finely disseminated cpy in a fine grained volcanic (?) rock as described at 452.01. 457.0 Gabbro. Abrupt increase in grain size to fine-medium. Low fracturing, minor patchy epidotization. the calcite stringer at lower contact. 459.2 Volcanics (7) very fine grained, dark green rock, hard; minor epidetization, minor brown micageous alteration; irregularly foliated at 30° c.n. (flow structure?) Trace molybdenite along fracture planes, trace cpy, less than 1% carbonate. 464.0 Gabbro (?) fine-modium ; wined, massive, minor epidotization. Note MoS2 and traces of cpy along a fracture parallel to core from 456.5- 468.0 466.0 Volcanics, fine grained, dark green, as at 459.2 minor brecciation in first 12 inches. Rock contains 5% pale gray foldspathic fragments (5-20mm). Carbonate-filled fracture with trace cpy at 473.0 Note minor hair-thin fractures with trace molyblenite between 477-479'. 493.5 Brecciated and altered zone. 30% indistinct acidic. fractured fragments in a fine grained, silicabus matrix. Short, distinctly foliated zones from 485.5- 486.0. 1-2% finely dissociated pyrite. 198.5 Mineralized Zone. 10% pyrite in a 1" qtz stringer at 850c.n. Trace cry. 489.4 Breccieted zone as at 483.5; 1-3% py, Core partly broken up from 493'495', Less than 1% qtz-carb. stringers. 495.0 Gebbro. line-medium grained, frosh, massive. Minor a epidote, trane pyrite. 1.98.0

498.0 End of hole..

Matitien Mielia

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER: EB-10

LOCATION:

Batchawana Bay, Ontario

DIP TESTS

Latitude:

1330 S

90° Dip:

Footage

Reading

Corrected

Departure:

5800E

Depth: 502.51

500.01

-89°

Elevation:

S 74°W

November 7, 1963 Commenced:

Azimuth:

Finished: November 9, 1963

logged by:

SAMPLE NUMBER

#### DESCRIPTION

- 0.0Casing 16.0
- 16.0 Zone of Alteration. Dark green, fine grained rock, highly chloritized and sericitized, medium fractured. Trace pyrite. Core badly broken up. 17.4'
- 17.4 Mineralized Zone. Py 5-7%, cpy less than 1%, sphalorite 1-2%, in a highly altered, fragmented zone. High sericitization and chloritization, med. carbonatization. QC 50%; zone is locally strongly brecciated, with \( \frac{1}{2} \)"-1" angular fragments of QC and of altered basic material. 20.0 Py 3-4%, sphalerite tr., in a dark green, med. chloritized, sericitized and medium fractured rock.
  - 21.7 Py 7-10%, sphalerite 3-4%, traces of a dark grey, soft, metallic mineral (chalcocite?) along fractures. Trace cpy. A highly altered, fractured zone, medium chlorite and sericite. QC 15-20% in a fracture parallel to core.
  - 23.5 Py 3-5%, tr. cpy, in a highly altered, fractured rock. Medium chloritization, and sericitization, medium epidotization. Rock is soft, dark, greenish grey. QC 2-3%. 28.5
- 28.5 Zone of alteration. Greyish-green, fine-medium grained, 5-7% epidote stringers and patches, medium patchy carbonatization, low-med. sericitization. QC stringers 1-2%, py 1-2%, trace sphal., 39.4
- 39.4 Altered Gabbro. Fine-medium grained, low chlorite, medium epidotization, low patchy carbonatization, medium red hematite(?) staining of feldspar constituents, and minor local patches of reddish feldspathic alteration. QC stringers 1-2%, py 1-2%. 60.5
- 60.5 Zone of Alteration. High white patchy carbonatization, medium patchy red feldspathic alteration, med. epidotization and silicification, patchy medium chloritization. QC stringers 2-3% (some with tr. sphal) Tr. cpy, py 1-2%. Locally gabbroic texture evident. 69.0

**DUPLICATE COPY** POOR QUALITY ORIGINAL TO FOLLOW

	Tueb.	. Winin A.	DIAMOND DI	7 1 au m					·•·
		g Mining Ce				ole numbi	er E	B-10	
COCATIONS			Ontaria		DIP TES		TS .		
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NI VI		,	DESCRIPTION						
	0.0'	Casing 16.0			•	•			
	16.0	Zene of Al highly chl	teration. Dark grant and seri	citized, m	grained ledium fre	rock,	•		
	17.4'	17.4	te. Core badly b	•	show 1st				*
	1 -7 - 4	rite 1-2%.	d Zone. Py 5-7%, in a highly alter itization and chl	red, frage	ented zer	10.			:
		natization clated, wi	. QC 50%; zene i th t"-1" angular sic material.	s lecally	strengly	bree-		•	
•		20.0 Py 3- chleritize	45, sphalerite tr	d medium f	ractured	rock.	· · · ·		
		grey, soft	7-10%, sphalerite, metallic minera Trace cpy. A h	3-4%, tra l (chalcoc	ices of a cite?) alo	dark one		'	
1		xone, medi a fracture	um chlorite and a parallel to core	ericite.	QC 15-201	in		,	,
		ed rock. medium epi	-5%, tr. cpy, in Medium chleritiza detization. Rock	tion, and	sericitis	sation.	,		·
	28.5	grey. QC 28.5	2-3%.	•	•	•	•		٠.
	20.7	grained, 5 patchy car QC stringe	teration. Greyis -7% epidete strin bonatization, lewers 1-2%, py 1-2%,	gers and r -med. seri	oatches, s citisatio	medium			
	39.4	medium epi medium red	detization, low phenatite (?) standard minor lecal	atchy cart	onatizati eldəpar d	lon,			
		spathic al	teration. QC str	ingers 1-2	2%, py 1-2	2%			
	60.5	tion, medi	teration. High w um patchy red fel ion, and silicifition. QC stringe	dspathic a cation, pa	alteration atchy medi	n, med. Lum	1		
•4"		Tr. cpy, p 69.0	y 1-2%. Locally	gabbroic	exture en	vident.		. •	
			•		•		1		

- 69.0 Altered Gabbro. Dark green, medium-fine grained, medium-high chloritization; speckled with 5% leucoxene (1-2 mm). Minor epidotization, and minor red feldspathic alteration, QC stringers 10%. 74.2
- 74.2 Zone of Alteration. Pale green, high patchy white carbonatization, medium epidotization, silicification, and minor patchy red feldspathic alteration. Locally gabbroic texture is evident. 85.8 Mineralized Zone. 4-5%, sphalerite, associated with an irregular QC stringer parallel to core, in a highly epidotized, siliceous, and carbonatized rock. Tr. py, cpy. 88.0 Altered Zone, as at 74.2. Py 1-2%. 96.5
- 96.5 Mineralized Zone. 4-5% finely disseminated pyrite, in a highly altered, pale green rock. High silicification, med. carbonatization, high patchy chloritization. Minor indistinct patches of red feldspathic alteration. 102.0 Mineralized Zone, as above. Finely crystalline pyrite increases to 15%. Intensity of chloritization seems proportional to amount of pyrite. Pyrite increases to 30%. Trace cpy. 0.2' lost core at 107.9. 108.1 Min'd Zone, as above, pyrite 5-7%. From 108.4 to 109.6' 60% red feldspathic alteration with 10% highly chloritized rounded (10 mm) patches, Medium patchy carbonatization; QC 5-7%. 112.3 Min'd Zone, as at 96.5, with a 1" white barren qtz veinlet at 80° c.n. 113.4 Min'd Zone, as at 96.5, with 2-3% finely disseminated pyrite, trace sphalerite along fractures. High patchy chloritization. 114.7
- 114.7 Altered Zone, Pale grey, fairly soft, medium sericitized, chloritized fine grained to aphanitic acidic rock. Medium fracturing, with chlorite along fracture planes. Cut by 2-3% qtz stringers; tr. cpy, less than 1% py. 116.6 As above, but colour changes to pale greyish green, due to increase in chloritization and sericitization. Sharp lower contact at 55° c.n. 118.0
- 118.0 Volcanics. Dark green, fine-medium grained; relatively fresh, cut by 10% epidote and carbonate stringers, and 2-3% qtz stringers. Note 10% pale green, rel. hard streaks of alteration, associated with epidote stringers. 10% irregular patches and streaks of reddish brown, finely fractured feldspathic (?)material. 129.4 Mineralized Zone, 50% finely crystalline magnetite, 30% fine pyrite in a distinctly banded (55°c.n.), highly epidotized and silicified rock.

130.0 Fine grained, dark green, medium chloritized and sericitized rock, but by 5% qtz stringers. Indistinctly fragmented, 3-4% py along fractures.

132.0 Volcanics, fine grained to aphanitic, dark green, hard, massive, cut by 2-3% qtz-carb stringers; contains 1-2% pale brownish subrounded and angular inclusions,(1-20mm).1% pyrite along fractures 136.5 Altered Zone. Pale greenish-grey, highly carbonatized;5-7% epidote patches and stringers, 10% patches of dark brown, soft, micaceous material. QC stringers, 1-2%

t9.0 Altered Gabbro. Dark green, medium-fine grained, medium-high chloritization; speckled with 5% leucexene (1-2 mx). Minor epidotization, and minor red feldspathic alteration, 40 stringers 10%.
74.2

- Zone of Alteration. Pale green, high patchy white curbenatization, medium epidotization, silicification, and miner patchy red feldspathic alteration, locallygabbroic texture is evident.

  85.8 Mineralized Zone. 4-5% sphilerite, associated with an irregular QC stringer parallel to core, in a highly epidotizaed, siliceous, and carbonatized rock. Tr. py, cpy. 88.0 Altered Zone, as at 74.2. Py 1-2%. 96.5
- Mineralized Zone. 4-5% finely disseminated pyrite, in a highly altered, pale green rock. High silicification, med. carbonatization, high patchy chloritization. Minor indistruct patches of red feldspathic alteration. 102.0 Mineralized Zone, as above. Finely cryatalline pyrite increases to 15%. Intensity of chloritization seems proportional to amount of pyrite. 103.0 Pyrite increases to 30%. Trace cpy. 0.2' lest core at 107.9 108.1 Min'd Zone, as above, pyrite 5-7%. From 108.4 to 109.6' 60% red feldspathic alteration with 10% highly chloritized rounded (10 mm) pathces, Medium patchy carbonatization; QC 5-7%. 112.3 Min'd Zone, as at 96.5, with a 1" white barren qtz veinlet at 80°c.n. 113.4 Min'd Zone, as at 96.5, with 2-3% finely disseminated pyrite, trace sphalerite along fractures. High patchy chloritization.
- Altered Zone, Pale grey, fairly soft, medium sericitized, chloritized fine grained to aphanitic acidic reck.

  Medium fracturing, with chlorite along fracture planes.
  Cut by 2-3% qtx stringers; tr. cpy, less than 1% py.
  116.6 As above, but colour changes to pale greyish green, due to increase in chloritization and sericitization.
  Sharp lower contact at 55 c.n.
- Volcanics. Dark green, fine-medium grained; relatively fresh, cut by 10% epidote and carbonate stringers, and 2-3% qtz stringers. Note 10% pale green, rel. hard streaks of alteration, associated with epidote stringers. 10% irregular patches and streaks of reddish brown, finely fractured feldspathic (?) material.
  129.4 Mineralized Zone, 50% finely crystalline magnetite, 30% fine pyrite in a distinctly banded (55°c.n.), highly epidotized and silicified rock.
  130.0 Fine grained, dark green, medium chloritised and sericitized rock, cut by 5% qtz stringers. Indistinctly fragmented, 3-4% py along fmactures.
  132.0 Volcanics, fine grained to aphanitic, dark green, hard, massive, cut by 2-3% qtz-carb stringers; contains 1-2% pale brownish, subrounded and angular inclusions, (1-20 mm). 1% pyrite along fractures.
  136.5 Altered Zone. Pale greenish-grey, highly carbenatized; 5-7% epidote patches and stringers, 10% patches of dark brown, seft, micaceous material. QC stringers 1-2%

py 3-4%, mainly concentrated in first 6".

144.3 Volcanics, as at 132.0 Epidote stringers 5%, QC stringers 1-2%. Minor patchy carbonatization.

152.0 As above, but epidote stringers and patches increase to 10%. Pale green, relatively hard alteration material, (as described at 118')gives rock a streaky appearance. The zone contains few minor brecciated phases in which fine grained, dark green, volcanic fragments (502-mm) are embedded in a silicified and epidotized matrix. Minor reddish feldspathic alteration patches between 169.5 - 171.0 2-3% py concentrated in the more epidotized and silicified zones, and along fractures. Note a ½" qtz stringer parallel to core at 247.5 - 248.5'.

249.0 Volcanics, massive and fresh. Minor epidote; minor pyrite at 253.0. QC stringers less than 1%, epidote 1%. Note a ½"

magnetite stringer at 271.0.

283.0 Volcanics, high patchy white carbonatization, medium epidotization. 1-2% py associated with epidote stringers. 295.0 Volcanics, as at 249.0 302.0

- 302.0 Altered and Fractured Volcanics. Med-high chloritization; the zone contains two highly sheared zones at 303.1 303.3, (55-60 c.n.), and at 308.0-308.8, (75-80 c.n.) These shear zones contain 50% white carbonate; at 311.5-312.0 a fractured zone with 50% carbonate. Total 1-2% pyrite.
- 318.0 Volcanics, as at 249.0. Relatively massive and fresh. 2-3% epidote stringers, 1-2% py along fractures. 330.0
- 330.0 Mineralized Zone. py 5-7%, less than 1% cpy along fractures. Fractures mostly oriented at 70-90° c.n. The mineralization occurs in medium fractured volcanics as at 302.0. Epidote 5-7%, carbonate stringers 1-2%.
- 335.5 Volcanics, relatively fresh and massive, 5% epidote, tr. py 335.5
- 335.5 Zone of Brecciation and Amphibolitization. Dark green, hard volcanics(?), with 50-60% medium to coarse grained dark green amphibole needles, oriented at random.

  337.5 Rock is still amphibolitized, but contains 40% fractured, angular and subrounded pink-red acidic fragments, (01-20mm), in a dark green fine grained matrix. Less than 1% cpy, 1-2% py, Acidic fragments gradually disappear at 340.0.

  342.5
- 342.5 Volcanics, relatively fresh and massive. 1-2% QC stringers. 346.9
- 346.9 Mineralized Zone, 2% cpy, 1-2% py associated with qtz-epidote stringers (15%). Minor patchy white carbonatization. 351.9
- Volcanics, as before, relatively massive and fresh. Qtz-epidote stringers 5-8%,1% py along fractures.

  361.7 Fractured and weakly mineralized zone. 1% cpy, 1-2% py, 10% qtz stringers, mostly at 70°c.n. Minor epidotization, and red feldspathic alteration.

  364.0 Volcanics, as before. The rock is very fine grained, almost aphanitic; epidote stringers and patches 5-7%, minor patchy carbonatization, minor red feldspathic alteration, 1% pyrite along fracture 375.0 Volcanics. Epidote and carbonate alteration decreases to low, except for a few short zones. Tr py, and an occasional POOR QUALITY ORIGIN

TO FOLLOW

py 3.4%, mainly concentrated in first 6%.
144.3 Volcanics, as at 132.0 Epidote stringers 5%, QC stringers 1-2%. Minor patchy carbonatization.
152.0 As above, but epidote stringers and patches increase to 10%. Pale green, relatively hard alteration material, (as described at 116) gives rock a streaky appearance.
The zone contains few minor brecciated phases in which fine grained, dadk green, volcanic fragments (5-20 mm), are embedded in a silicified and epidotized matrix. Minor reddish feldspathic alteration patches between 169.5 - 171.0 2-3% py concentrated in the more epidotized and silicified zones, and along fractures. Note a ½ qtz stringer parallel to core at 247.5-248.5.
249.0 Volcanics, massive and fresh. Minor epidote; minor pyrite at 253.0.QC stringers less than 1%, epidote 1% Note a tm magnetite stringer at 271.0
283.0 Volcanics, high patchy white carbonatization, medium epidotization. 1-2% py associated with epidote stringers.
295.0 Velcanics, as at 249.0
302.0

- 302.0 Altered and Fractured Volcanics. Med-high chleritization; the zone contains two highly sheared zones at 303.1 303.3, (55-60° c.n.), and at 308.0-308.8, (75-80° c.n.). These shear zones contain 50% white carbonate; at 311.5-312.0 a fractured zone with 50% carbonate. Total 1-2% pyrite. 318.0
- 318.0 Volcanics, as at 249.0. Relatively massive and fresh. 2-3% epidote stringers, 1-2% py along fractures. 330.0
- 330.0 Mineralized Zene. py 5-7%, less than 1% cpy along fractures. Fractures mestly oriented at 70-90 c.n. The mineralization eccurs in medium fractured volcanics as at 302.0. Epidete 5-7%, carbonate stringers 1-2%.
- 335.5 Volcanics, relatively fresh and massive, 5% epidote, tr. py. 335.5
- 335.5 Zone of Bracciation and Amphibolitization. Dark green, hard volcanics (?), with 50-60% medium to cearse grained dark green amphibole needles, oriented at random.

  337.5 Rock is still amphibolitized, but contains 40% fractured, angular and subrounded pink-red acidic fragments, 91-20 mm), in a dark green fine grained matrix. Less than 1% cpy, 1-2% py. Acidic fragments gradually disappear at 340.0

  342.5
- 342.5 Volcanics, relatively fr sh and massive. 1-2% QC stringers. 346.9
- 346.9 Mineralized Zone, 2% cpy, 1-2% py associated with qts-epidote stringers (15%). Minor patchy white carbonatisation. 351.9
- Volcanics, as before, realtively massive and fresh. Qtsepidote stringers 5-8%, 1% py along fractures.
  361.7 Fractured and weakly mineralized zone. 1% cpy,
  1-2% py, 10% qtz stringers, mostly at 70 c.n. Miner epidotization, and red feldspathic alteration.
  364.0 Volcanics, as before. The rock is very fine grained,
  almost aphanitic; epidote stringers and patches 5-7%,
  minor patchy carbonatization, minor red feldspathic alteration,
  1% pyrite along fractures.
  375.0 Velcanics. Epidote and carbonate alteration decreases
  to low. except for a few short zones. Tr py, and an occasional

narrow cpy-filled fracture. Qtz-epidote stringers 1-2%, Note tr. MoS<sub>2</sub> along fracture at 418.3 Minor reddish feldspathic patches or inclusions(?) near end. 422.5

- 422.5 Zone of Amphibolitization and Foliation. Medium grained, distinctly foliated rock, (30-40°c.n.) Foliation due to parallel orientation of amphibole needles. First two feet mineralized with 5% py along fractures.
  431.5
- 431.5 Gabbro. Upper contact very gradational. Rock is fine to medium grained, massive, dark reddish green,d ue to red staining of feldspar constituents. 434.0 As above, but rock is bleached to a pale reddish-green colour. Minor patchy epidotization, qtz stringers 1-2%. 447.7 Mineralized Zone. 3% cpy concentrated in two patches associated with white siliceous stringers at 65 c.n. The zone is reddish-grey, due to high red staining of feldspar. 449.7 Gabbro as at 434.0. Note an irregular 1" qtz patch at 451.1. 451.5 Gabbro, as above. Core partly broken up along a hematite-carbonate-filled fracture parallel to core. 455.0 Gabbro, as at 451.0. Note minor offsetting of epidote stringers around 459.0 Qtz 2-3%, epidote 2-3%. Finely disseminated. crystalline pyrite 1-2%, carbonate stringers less than 1%. Med-high red staining. 466.0 Zone of alteration; pale greenish-grey, hard, aphanitic streaks, mostly oriented at 45-55°c.n. 466.9 Gabbro, as before, becoming slightly fractured, mineralized (less than 1% cpy, tr. py), and carbonatized from 467.5' on. 468.5 Gabbro, medium epidotized, medium red feldspathic alteration, tr. py. 474.5 Altered Zone. Dark green, medium amphibolitization, minor patches of brown soft micaceous alteration. Rock contains minor dark green, very fine grained aphanitic siliceous patches and minor red feldspathic patches. Qtz stringers 1%.
- 480.0 Felsophyre-Rhyolite (?) Dark reddish grey, siliceous rock, distinctly banded at 45-85 c.n. Consists of 30-40% indistinct reddish, hard pseudoporphyroblasts, elongated parallel to the banding (1-5mm), in a dark reddish-grey, siliceous, and locally chloritized matrix. Upper contact sharp and fractured at 80 c.n.
  483.5 As above, but rock is medium fragmented. Carbonate stringers, 485.0 As at 480.0, but fracturing of medium intensity. 1-2%. QC stringers 1-2% trace disseminated py.
  488.3 As at 480.0, but not fractured. Distinctly banded at 80-90 c.r.
  499.0 Rhyolite. Brick-red, finely fractured; pseudoporphyroblasts absent. The rock is highly siliceous, aphanitic, and contains 10-15% dark grey, siliceous and epidotized patches and stringers (1-20 mm). 0.5% carbonate stringers.
- Volcanics, dark green, very fine grained, faintly foliated at  $35^{\circ}$  c.n. Few minor chloritized fractures. Note an irregular reddish qtz patch ( $\frac{1}{2}x3''$ ) with tr.cpy at 502.0

502.5 End of Hole.

narrow cpy-filled fracture. Qtz-epidote stringers 1-2%, Note tr. MoS<sub>2</sub> along fracture at 418.3. . . . nor reddish feldppathic patches or inclusions (?) near end. 422.5

- 422.5 Zone of Amphibelitization and Foliation. Medium grained, distinctly fobiated rock, (30-40°c.n.). Foliation due to parallel orientation of amphibole needles. First two feet mineralized with 5% py along fractures.
  431.5
- 431.5 Oabbre. Upper contact very gradational, Rock is fine to:

  medium grained, massive, dark reddish green, due to red
  staining of feldspar constituents.

  434.0 As above, but rock is bleached to a pale reddishgrean colour. Miner patchy epidotozation, qts stringers 1-25.

  447.7 Mimralized Zone. 3% cpy concentrated in two patches
  associated with white siliceous stringers at 65°c.n.

  The zone is reddish-grey, due to high red staining of feldspar.

  449.7 Gabbrer as at 434.0. Note an irregular 1° qts patch
  at451.1.
  - 451.5 Gabbre, as above. Core partly broken up along a hematite-carbonate-filled fracture parallel to core.
    455.0 Gabbre, as at 451.0. Note minor offsetting of epidate stringers around 459.0 Qtz 2-3%, epidote 2-3%. Finely disseminated, crystalline pyrite 1-2%, carbonate stringers less than 1%. Med-high red staining.
    466.0 Zone of alteration; pale greenish-grey, hard, aphanitic

streaks, mostly oriented at 45-55°c.n.
466.9 Gabbro, as before, becoming slightly fractured,
mineralized (less than 1% cpy, tr. py), and carbenatized from

467.5 on.
468.5 Gabbro, medium epidotized, medium red feldspathic altera-

tion, tr.py.
474.5 Altered Zone. Dark green, medium amphibelitization,
minor patches of brown soft micaceous alteration. Rock centains minor dark green, very fine grained-aphanitic siliceous
patches and minor red felspathic patches. Qts stringers 15.
480.0

- 450.0 Felsephyre Rhyelite (?) Dark reddish grey, siliceous reck, distinctly banded at 45-85°c.n. Consists of 30-40% indistinct reddish, hard pseudoperphyroblasts, elongated parallel to the banding (1-5 mm), in a dark reddish-grey, siliceous, and locally chleritized matrix. Upper contact sharp and fractured at 50°c.n.
  - 483.5 As above, but rock is medium fragmented. Carbonate stringers 1-2%.
    485.0 As at 480.0, but fracturing of medium intensity. QC stringers 1-2%, trace disseminated py.
    488.3 As at 480.0, but not fractured. Distinctly banded at 80-90°c.n.
    499.0 Rhyelite. Brick-red, finely fractured; pseudoperphyre-blasts absent. The rock is highly siliceous, aphanitic, and
  - 499.0 Mhyelite. Brick-red, finely fractured; pseudeperphyreblasts absent. The rock is highly siliceous, aphanitic, and contains 10-15% dark grey, siliceous and epidetised patches an stringers (1-20 mm). 0.5% carbonate stringers.
  - 500.1 Volcanics, dark green, very fine grained, faintly feliated at 35° c.n. Few minor chloritized fractures. Note an irregular reddish que patch (1x3") with tr.cpy at 122.0

502.5 End of Hele

Tallem Melig

PROPERTY:

Tribag Mining Company Limited

HOLE NUMBER: EB-11

LOCATION:

Batchawana Bay, Ontario

DIP TESTS

Latitude:

14 00S

Dip:

90°

Footoge

Reading

Corrected

Departure:

5900 E

Depth:

546.81

Elevation:

Commenced: November 12, 1963

Azimuth:

Finished: November 14,1963

Logged by:

M.Blecha

SAMPLE NUMBER

#### DESCRIPTION

0.0 Casing 13.5

- 13.5 Rhyolite Agglomerate(?) same as in EB-7 from 345.5 to 370.0. The rock has a highly brecciated appearance, and consists of 70-80% angular fragments (1-30mm) of fine grained epidotized and highly chloritized material, and of 5-10% red acidic. aphanitic fragments (\text{\formula}"-4"). High patchy carbonatization, chloritization and epidotization. The zone contains relatively massive, unaltered sections of dark grey-green fine grained material (same as in EB-7) from 17.3 to 22.5. 434 to 44.6, 47.5 to 49.3; the entire zone is weakly mineralized with less than 0.5% cpy and 1% py, with local concentration. 49.3 Rhyolite? similar to that encountered in EB-10 (480.0') faintly banded at 40° c.n. Consists of 15-20% indistinct pseudophenocrysts, elongated parallel to banding (1-5mm) in a reddish-grey aphanitic matrix. Sharp upper contact at  $20^{\circ}$  c.n., lower contact fractured (at 0° to 20° c.n.) 56.4 Rhyolite agglomerate, as at 13.5. Includes a barren massive fine grained dark green section from 63.0 to 65.2. Total cpy less than 1%, py less than 1%. 68.1 Rhyolite as at 49.3, banded at 70-80°c.n. Sharp upper contact at 40° c.n., lower contact fractured and irregular. 69.3 Rhyolite Agglomerate as at 13.5, py 3-5%, Cpy trace includes a rhyolite section (as at 68.1) from 70.6 71.4 with sharp irregular contacts, and rounded rhyolite fragment (2") at 72.2. 72.9 Rhyolite, as 19.3, Upper contact 20° c.n., lower contact irregular and fractured. 75.0 Rhyolite Agglomerated as at 13.5. Red acidic fragments decrease to 2-3% quartz stringer and patches, 3-5% cpy increases to 3-4%. 81.7 Massive dark green rock, low epidote and carbonate (as at) 83.5 Rhyolite Agglomerate as at 13.5. Core broken up from 87-88.3 (bad drilling) 5% red acidic fragments, 2-3% py.
- 84.3 Altered Zone, slightly fragmented, greyish green, med. patchy carbonatization, minor epidotization, minor 1-2% reddish (1-5mm) indistinct red patches of alteration

I houg Mining Company Lincted HOLE NUMBER PROSEGUY DIP TESTS tocation: hat cheward Bay, Ontario De 900 Reading -Latitudes 14,008 Footoge Depth: 546.8 1 Deporture: 5900 E Commenced: Nevember 12, 1963 Elevation: Finished: Nevember 14, 1963 togged by M. Blecha Azimuth SAMPLE DESCRIPTION MUMBER Casing 0.0 13.5 Hhyelite Agglemerate (?), same as in EB-7 from 34545 to 13.5 370.0. The reck has a highly brecciated appearance, and consists of 70-80% angular fragments (1-30mm) of fine grained epidetized and highly chloritised material, and of 5-10% red acidic, aphanitic fragments (thukh), High patchy carbonatization, chloritization and epidetigation. The zone contains relatively massive, unaltered sections of dark grey-green fine grained material (same as in EB-7) from 17.3 to 22.5 434 to 44.6, 47.5 to 49.35 The entire zene is Weakly mineralized with less than 05% cpy and 1% py, with local concentration. 49.3 Rhyelite? similar to that encountered in EB-10 (1.20.02). faintly banded at 40° c.n. Consists of 15-20% indistinct pseudoppenocrysts, elengated parallel to banding (1-5mm) in a reddish-grey aphanitic matrix.

Sharp upper contact at 20° c.n., lever contact fractured (at 6° to 20° c.n.) 56.4 Rhyolite agglomerate, as at 13.5. Includes a barren massive fine grained dark green section from 63.0 to 65.2. Total cpy less than 1%, py less than 1%. 68.1 Rhyolite as at 49.3, banded at 70-80 c.n.. Shar upper contact at 40 c.n., lewer contact fractured and irregular. 69.3 Rhyolite Agglemerate as at 13.5, py 3-5%, Cpy trace includes a rhyelite section (as at 68.1) from 70.6 71.4 with sharp irregular contacts, and rounded rhyblite fragment (2") at 72.2.
72.9 Rhyolite, as 19.3, Upper contact 20° c.n., 'lewer contact irregular and fractured. 75.0 Bhyolite Agglemerate, as at 13.5. Red acidic fragments decrease to 2-3% quarts stringer and patches, 3~5% cpy increases to 3~4%. 81.7 Massive dark green rock, low epidote and carbanate 83.5 Rhyolite Agglemerate as at 13.5. Cere broken up from 87-88.3 ( tod drilling), 5% red acidic fragments, 2-3% py 84.3 Altered Zene, slightly fragmented, greyish green, .mel. 84.3 patchy carbonatization, minor epidetization, minor 1-2%

raddish [] Smallingistinct red patches of alteration.

- (inclusions). Contains 15% relatively massive and fresh dark green gabbroic phases.
  95.3
- 95.3 Rhyolite? as at 72.9, medium epidotization, distinct irregular banding. 98.0
- 98.0 Altered fragmented Zone, pale green, medium patchy carbonatization, epidotization, and chloritization. Includes less than 1% reddish acidic fragments.
  98.8
- 98.8 Gabbro, fine to medium grained, dark green, massive, uniform texture (the rock contains a 4" fine grained red, acidic fragment, at 99.5). Upper contacts abrupt, but not sharp at 40°c.n. and 20°c.r. 101.8
- 101.8 Rhyolite Agglomerate, 40% greyish-red pseudoporphyritic and red aphanitic fragments (½"-3") in a fragmented medium chloritized, matrix; patchy medium epidotization, minor carbonatization.
  102.9 Well banded (50° c.n.) reddish grey, pseudoporphyritic rock, 20% elongated, indistinct pseudophenocrysts in a dark grey siliceous matrix.
  104.0 40% red, acidic, aphanitic and porphyritic fragments (½-2") in a pale green, patchy matrix. Medium epidotization, medium patchy chloritization, 1-2% cpy.
  105.7
- 105.7 Altered fragmented Zone. Gabbroic texture locally evident. Medium patchy carbonatization, low epidotization, medium patchy chloritization. Quartz stringers 2-3%. The zone includes a relatively fresh, gabbroic section from 107.2 to 109.4. 2-3% py. 112.9
- 112.9 Gabbro. Dark green, fine to medium grained, hard, relatively unaltered, massive; quartz stringer 1-2%; minor brown micaceous alteration, 1-2% of disseminated py. Rock becomes fine grained, near end, with increasing epidotization.
  121.0 Very fine grained, to aphanitic, dark green, massive, hard rock (dyke?). Minor brownish micaceous alteration, quartz stringers less than 1%.
  123.2
- Mineralized Zone. 2-3% py, 1% cpy, with local concentration. The host is a ?altered, fragmented, patchy, pale greenish-grey rock, containing 5% reddish acidic aphanitic and pseudoporphyritic, angular inclusions (\{\frac{1}{2}}-4\). The matrix is medium epidotized; patchy medium chloritization and carbonatization. The zone contains 15% of dark green, very fine grained, relatively unaltered sections. 147.4
- 147.4 Gabbro. Fine to medium grained, dark green, massive, unaltered. 2-3% quartz stringer, 1-2% epidote stringers, offset by minor faulting at 121.0; trace py, associated with a ½" quartz carbonate stringer at 153.6 155.0

(inclusions). Contains 15% relatively measure and fresh dark green gabbreic phases.
95.3

- 95.3 Rhyelite? as at 72.9, medium epidetization, distinct irregular banding.
- Altered fragmented Zone, puls green, medium patchy carbonatization, epidotization, and chloritization. Includes less than 1% reddish acidic fragments.
- Gabbre, fine to medium grained, dark green, massive, uniforms texture (the reck centains a 4m fine grained red, acidic fragments, at 99.5). Upper contacts abrupt, but not sharp at 40m c.n., and 20m c.n.
- Rhyolite Agglemerate, 40% greyish-red pseudeporphyritic and red aphanitic fragments (t\*-3\*) in a fragmented medium chleritized, \*2.20.5 matrix; patchy medium evidotisation, minor carbonatization.

  102.9 Well banded (50° c.n.) reddish grey, pseudeporphyritic rock, 20% elengated, indistinct pseudophenecrysts in a dark grey siliceous matrix.

  104.0 40% red, acidic, aphanitic and perphyritic fragments (t-2\*) in a pale green, patchy matrix. Medium epidetization, medium patchy chleritization, 1-2% cpy.
- Altered fragmented Zene. Gabbreic textures locally.

  evident. Nedium patchy carbonatisation, low epidetisation,
  medium patchy chleritization. Quarts stringer 2-3%.

  The sene includes a relatively fresh, gabbreic section from
  107.2 to 109.4. 2-3% py.
  112.9
- Gabbre. Dark green, fine to medium grained, hard, relatively unaltered, massive; quartz stringer 1-2%; miner brown micaceous alteration. 1-2% of disseminated py. Reck becomes fine grained, near end, with increasing epidotization.
  121.0 Very fine grained, to aphanitic, dark green, massive, hard rock (dyke?). Minor brownish micaceous alteration, quarts stringer less than 1%.
  123.2
- Mineralized Zone. 2-3% py, 1% cpy, with local concentration: The heat is shaltsred, fragmented, patchy, pale
  greenish-grey rock, containing 5% reddish acidic aphanitic and pseudoperphyritic, angular inclusions (1-4).
  The matrix is medium epidetized; patchy medium chleritization and carbonatization. The zone contains 15% of
  dark green, very fine grained, relatively unaltered sections.
  147.4
- Gabbro. Fine to medium grained, dark green, massive, unaltered. 2-3% quartz stringer, 1-2% epidete stringers, effect by miner faulting at 121.0; trace py, associated with a th quartz carbonate stringer at 153.6.

PECELLIAN A 1998

- 173.0 Gabbro, Medium grained, massive, fresh, dark green, uniform Quartz stringers 5-7%, with traces of cpy. texture. 185.5 As above but quartz stringers 30% with associated blobs of cpy (2-3%) 186.5 Gabbro, as at 173.0. Minor patchy white carbonatization near end. 198.6 Gabbro, as at 173.0, but no mineralization associated with quartz stringers. White irregular, quartz patches from 201.7 to 202.5. 204.5 Gabbro, becoming altered, and slightly brecciated. Medium patchy epidotization, carbonatization. Note 2" epidote patches at 204.8. The rock consists of 10-15% gabbroic and fine grained dark green angular fragments  $(\frac{1}{4}-1")$  and 1-2% angular white quartz fragments (1-20mm) in a fragmented green matrix. 208.4 Distinctly foliated, fine grained, dark green, phases, 30-40 c.n.) no longer brecciated in a gabbroic rock. 207.0
- 212.0 Mineralized Zone, 1-2% py in a highly fragmented, altered zone. Dark green, patchy medium carbonatization, epidotization, low chloritization. 215.2 1% cpy, 1% py, in a Rhyolite Agglomerate (?). Rock consists of 70% red, aphantic, acidic fragments and masses, with inclusions of green, altered rock, as described at 207.0. 4-5% cpy, 1-2% py in a Rhyolite Agglomerate. Red fragments decrease to 20%. 1% cpy, red fragments decrease to 1-2%. 2-3% py. 222.5 Trace cpy, 2-3% py. Medium fragmented pale patchy, greenish grey rock. Medium patchy carbonatization, epidotization and chloritization. Acidic fragments (-1") 1-2%. Rock contains 10% fine grained dark green, hard, relatively fresh and massive phases, locally gabbroic texture evident. Note specks MoS<sub>2</sub> at 131.0, quartz stringer and patches 5%.
- 241.2
  241.2 Gabbro, fine to medium grained, unaltered, relatively massive, except for few minor brecciated and altered sections, in which less than 5% gabbroic fragments (less than ½") and 1% red acidic fragments and few quartz fragments are embedded in a medium carbonatized and epidotized matrix, 1% py 249.0

135,0

Zone of Pragmentation and Alteration. Hedium fragmentation, high patchy carbonatization and epidotization, low patchy chieritization. The rock consists of 15-20% fine grained dark greenish grey angular fragments (5-50mm), 1-2% red acidic fragments (1-50mm) in a fragmented pale greyish green altered matrix. The zone contains 10-15% relatively unaltered massive, fine grained and gabbroic zones (2-10"). quartz carbonate, 2-3%, by, 1%, trace cpy. Note patches MoS2 at 125.5 and at 176.0.

173.0

173.0 Gabbro, Medium grained, massivesfresnsdark green, uniform texture. Quartz stringers 5-7%, with traces of cpy. 185.5 As above but quartz stringers 30% with associated blobs of cpy (2-3%) 18615 Gabbro. as at1173.0. Minor patchy white carbonatization near end. 198.6 Gabbro, as at 173.0, but no mineralization associated with quartz stringers. White irregular, quarts patches from 201.7 to 202.5.

Gabbre, becoming altered, and slightly brecciated. Medium patchy epidotization, carbonatization, Note 2" epidote patches at 204.8. The rock consists of 10-1% mbbroic and fine grained dark green angular fragments (2-1") and 1-2; angular white quarts fragments (1-20mm) in a fragmented green matrix.

206.4 Distinctly, foliated, fine grained, dark green, phases, (30-40° c.n.) to lorgen brecciated in a gabbreio reck.

207.0

Mineralized Zone, 1-2% by in a highly fragmented, altered zone. Dark green, patchy medium carbonatization, epide-tization, low chloritization. 215.2 1% cpy, 1% py, in a Rhyolite Agglemerate (?). Rock consists of 70% rod, appanitic, acidic fragments and masses, with inclusions of green, altered rock, as descri-

bed at 207.0.

207.5 4-5% cpy, 1-2% py in a Rhyelite Agglemerate. Red fragments decrease to 20%,.

222.5 1% cpy, red fragments decrease to 1-2%. 2-3% py. 227.0 Trace cpy, 2-3% py. Medium fragmented pale patchy, greenish-grey, rock. Medium patchy carbonatization, epidotization and chloritization. Acidic fragments . (-1") 1-2%. Rock contains 10% fine grained dark graen, hard, relatively fresh and massive phases; locally gabbreic texture evident. Note apecks: MeS2'at 131.0,

quarts stringer and patches 5%. 241,2

241.2

212.0

Gabbiogg, fine to medium grained, unaltered, relatively massive, except for fow minor brecciated and altered sections, in which less than 5% gabbroic fragments (less than th) and 1% red scidio fragments and few quarts fragments are embedded in a medium carbenatized and epidotized matrix, lx py. 249.0

750 may 2 1 1963

- 249.0 Acidic D,ke, pale greenish brown, fine grained, massive,
  Medium carbonatized, 15% indistinct greenish pseudophenocrysts
  (1-2mm) in a reddish brown, aphantic matrix. Rock speckled
  with 3-4% black, mafic specks (less than lmm). Sharp irregular upper
  contact with 5-10% py. Lower contact is sharp irregular with a
  1½" inclusion of altered gabbro.
  251.7
- 251.7 Zone of Alteration and fragmentation. Dark green, fine to medium grained rock. Medium patchy, white carbonatization, medium epidotization. Low fragmentation. Less than 5% red acidic fragments (½-4"). 1% py, trace cpy. Gabbroic texture evident in places.
  264.6 Acidic Dyke, as at 249.0. Medium carbonatized, sharp upper contact at 5 c.n., lower contact lost.
  266.2 As at 251.7
  271.0 Mineralized Zone. 1%cpy, 1-2% py in a highly altered browiated zone. Medium to high epidotization, medium carbonatization, 10-15% red acidic fragments (½-1").
  273.3
- 273.3 Dyke, pale reddish brown, aphanitic at first grading into a dyke as at 249.0. At 278.0, the colour changes to green, and the dyke becomes green, porphyritic, as encountered in holes EB-8 at 286.4, and in EB-7 at 313.0.
- 281.4 Mineralized Zone, less than 1% cpy, 2-3% py, 1-2% po, in a highly altered, medium fragmented pale green, patchy zone. Medium patchy carbonatization, medium epidotization, low chloritization, quartz carbonate 3-5%. Note a 20° acidic dykelet (as at 249.0) at 285.0 with 40% inclusions of dark green rock. 300.2
- 300.2 Highly siliceous Zone, 80% introduced grey quartz, 20% irregular patches and inclusion of epidotized and chloritized material. 1-2% py.
  301.6 As at 281.4, 2-3% po, 1-2% py, trace cpy. 2-3% red acidic fragments.
  308.0 As at 281.4, but relatively unaltered gabbroic phases 1.0 2.0' predominate (55%) Quartz Carbonate 1-2%.
  315.6
- 315.6 Gabbro, fine to medium grained, massive, fresh, dark greenish grey. Quartz carbonate 1-2%.
- 319.6 Mineralized Zone, as at 281.4 Medium patchy chloritization, epidotization and carbonatization. Medium fragmentation, 1-2% red acidic fragments (½-1"), zone interrupted by medium grained, massive fresh dark greenish grey gabbroic patches and sections with relatively sharp contacts at 45-80 c.n. These sections range in length from 1"-2', (15%) Total QC 3-4%, Py 3-5%, less than 5% cpy with local concentrations. 347.3

Aridic Dyke, pale greensh ortwo. The grained, mas-sive. Redium cartopathred. 15 industinct greenish pseudophenocrysts (1-2mm) in a condish brown, aphanitic patrix. Rock speckled with 3-4% black, malic specks [ less than lam]. Sharp irregular upper contact with 5-10% by, Lower contact is sharp irregular with a 11". inclusion, of altered gabbro.

- 251.7 251.7 Zone of Alteration and fragmentation. Dark green, fine to medium grained rock. Medium patchy, white carbonatization, medium epidotization. Lew fragmentstion. Less than 5% red acidic fragments (1-4"). 15

  py, trace cpy. Gabbreic texture evident in places.

  204.6 Acidic Dyke, as at 249.0, Medium carbonatized,

  aharp upper contact at 5° c.n., lower contact lest.

  266.2 As at 251.7

  271.0 Mineralized Zone. 1%cpy, 1-2% by in a highly

  altered bracciated zone. Medium to highly epidetization,

  medium carbonatization. 10-15% red acidic fragments
  - medium carbonatization, 10-15 % red acidic fragments (t-1") 273.3
- Dyke, pale reddish brown, aphanitic at first grading inte a dyke as at 249.0. At 278.0, the colour changes to 273.3 green, and the dyke becomes green, perphyritic., 42. encountered in heles EB-70 at 286.4 and in EB-75 at 286.6.
- Mineralized Zene, less than 1% cpy, 2-3% py, 1-2% pe, : 281.4 in a highly altered, medium fragmented pale green, . patchy made. Medium patchy carbonatization, medium epi-detization, lew chloritization, quarts carbonate 3-5%. Note a 20° acidic dynelet (as at 249.0) at 285.0 with 40% inclusions of dark green, rock. 300.2
- 300.2 Highly siliceous Zene, 80% introduced grey quarts, 20% irregular patches and inclusion of epidetized and chleritized material. 1-2% py. 301.6 As at 281.4, 2-3% po, 1-2% py, trace cpy. 2-3% red acidic fragments.

  308.0 As at 281.4, but relatively unaltered gabbreic phases 1.0 - 2.0 predominate. (552) Quarts carbenate 1-2%.
- Gabbro, fine to medium grained, massive, fresh, dark greenish grey. Quartz carbonate 1-25 315.6
- 319.6 Mineralized Zone, as at 281.4. Medium patchy chleritisation, epidetization and carbonatization, Medium :fragmentation, 1-2% red acidic fragments (t-1"); sone interrupted by medium grained, massive fresh dark greenish grey gabbreic patches and sections with relative-ly sharp contacts at 45-60° c.n.. Those sections range in length from 12-27, (15%). Total QC 3-4%, Py 3-5%, less than 5% cpy with local concentrations. 347.3

347.3 15% py in a patchy fragmented, highly chloritized, carbonatized rock, 2-3% acidic fragments.

348.8 Mineralized Zone as at 319.6

352.9 Highly siliceous zone, 40% introduced quartz, patchy high chloritization, epidotization. Trace MoS<sub>2</sub> cpy. 354.4 Mineralized Zone as at 319.6, py and po 2-3%, trace cpy. Gabbroic sections 20%, QC 3-5%.

365.0 Red acidic Dykelet, siliceous, aphanitic, massive, cut by 10-15% quartz stringer and patches. Lower contact sharp at 30° c.n.
366.1 Mineralized Zone, as before, po and py 5-7%, 1.0% cpy.

366.1 Mineralized Zone, as before, po and py 5-7%, 1.0% cpy. QC 2-3%. Note dark green, hard aphanitic section at 369.5 and 371.0

376.5 Gabbro, as at 315.6

377.9 Mineralized Zone, 7.0% cpy, associated with a 1½" quartz stringer at 70° c.n. 378.9

- 378.9 Gabbro, as at 15.6. First one foot brecciated, with 20% red acidic inclusions (½-1") and 15% quartz patches and trace cpy. becoming massive at 380.0, with 203% QC. hematite stringers. 386.7
- Mineralized Zone, as at 319.6, po and py, 5-7%, 1% cpy with local concentrations. Note highly chloritized section from 399.0 to 400.0. Quartz carbonate 5-7%.

  406.4 as above, but minor chloritization decreases to 1-2% po and py trace MoS<sub>2</sub>, quartz carbonate 5-7%. Zone contains only 15% relatively fresh gabbroic and aphanitic, relatively fresh and massive sections. High patchy white carbonatization, high patchy chloritization, gabbroic texture evident in places. High to medium fragmentation. Note red acidic ½" and 2" fractured inclusions at 453.5, and 458.0 respectively. 467.2 note carbonate filled fractures (40% from 418.5. 467.2)
- 477.2 Gabbro (volcanics?) relatively massive. Fine to medium grained, dark green, relatively fresh, except for minor medium epidotized zones. Minor very fine grained aphanitic, dark green, alteration streaks and bands suggesting flow structure. Trace py. Minor reddish feldspathic inclusions. Quartz carbonate stringers less than 1%. Locally gabbroic texture evident.

  534.1 Slightly fragmented alteration zone, pale greyish green, slightly fractured, at 60° c.n. Irregular quartz carbonate stringers 10% with trace sphalerite and trace cpy. Medium sericite, medium carbonatization.

  536.5 Gabbro (volcanics) as at 467.2 Trace py. Low chloritization.

  546.8

546.8 End of Hole.

347.3 15% py in a patchy fragmented, highly chloritised, carbonatized rock, 2-3% acidic fragments.
348.8 Mineralized Zene as at 319.6
352.9 Highly siliceous zene, 40% introduced quarts, patchy highly chloritization, epidetisation. Trace MeS2 cpy.
354.4 Mineralized Zene as at 319.6, py and pe 2-3%, trace cpy. Gabbreic sections 20%, QG 3-5%.
365.0 Red acidic Dykelet, siliceous, aphanitic, massive, cut by 10-15% quarts stringer and patches. Lewer centact sharp at 30° c.n.
366.1 Mineralized Zene, as before, pe and py 5-7%, low cpy. QG 2-3%, Nete dark green, hard aphanitic section at 369.5 and 371.0
376.5 Gabbre, as at 315.6
377.9 Mineralized Zene, 7.0% cpy, associated with a lim quarts stringer at 70° c.n.

Gabbre, as at 15.6: First one feet brecciated, with 20% red acidic inclusions (2-1") and 15% quarts patches and trace cpy: becoming massive at 380.0, with 2-3% QC. hematite stringers.

Mineralized Zene, as at 319.6, pe and py, 5-7%, 1% cpy with letal cencentrations. Note highly chloritised section from 399.0 to 400.0. Quarts carbonate 5-7%, 406.4 as above, but miner chloritisation decreases to 1-2% pe and py trace MeS2, quarts carbonate 5-7%. Zene centains only 15% relatively fresh gabbreic and aphanitic, relatively fresh and massive sections. High patchy white carbonatization, high patchy chloritisation, gabbreic texture evident in places. High to medium fragmentation. Note red acidic the and 2m fractured inclusions at 453.5, and 458.0 respectively.

467.2 note carbonate filled fractures (40% from 418.5.

Gabbro (velcanics?), relatively massive. Fine to medium grained, dark green, relatively fresh, except for miner medium epidetized zenes. Miner very line grained aphanitic, dark green, alteration streaks and bands suggesting flow structure. Trace py. Miner reddish feldspathic inclusions. Quartz carbonate stringers less than 1%. Lecally gabbreic texture evident, 534.1 slightly fragmented alteration zene, pale grey—lah green, slightly fractured, at 60° c.n. Irregular quarts carbonate stringers 10% with trace sphalerite and trace cpy. Hedium sericite, medium carbonatisation. 536.5 Gabbre (velcanics) as at 467.2. Trace py. Lew chloritization.

546.8 , and of hele.

487.2

£. ?

RECEIVED HOV-2 1 1963

Tribag Mining Co. Ltd. PROPERTY:

HOLE NUMBER:

EB-12

LOCATION:

Batchawana Bay, O ntario

DIP TESTS

Latitude:

1200 S

90° Dip:

Footage

Readina

Corrected

Departure:

6200 E

531.3 Depth:

500.01

90<sup>0</sup> E

-88°

Elevation:

Commerced: November 28,1963

Azimuth:

Finished: De. omber 2, 1963

Logged by:

SAMPLE NUMBER

#### DESCRIPTION

- 0.0 Casing 9.01
- Volcanics. Dark green, fine grained, relatively massive, and fresh. Cut by less than 1% pyrite-filled fractures. Py 1-2%.
- 12.1 Fragmented Zone. Medium fragmentation. The rock contains 10-20% indistinct brown siliceous, angular and subrounded fragments  $(lam{1}" - 1")$ , embedded in a dark green, fine grained matrix. Minor patchy epidotization and carbonatization. Weakly mineralized with 1-2% disseminated py, and trace cpy. From 15.0' on, siliceous fragments gradually disappear, and the rock becomes medium grained, and amphibolitized, (60% amphibole needles, 1-4"). 1-2% py, tr cpy. Note minor patches of feldspathic, and brown micaceous alteration.
- 22.6 Mineralized Zone. 2-3% cpy, 1% py, in a highly altered fragmented zone. High patchy chloritization, and carbonatization,
  - med. epidotization. 26.6 Mineralization decreases to trace cpy, and 1% py, alteration decreases to medium-low, but rock is still fragmented. Minor patches of reddish feldspathic alteration; local faint foliation  $(30^{\circ}\text{c.n.})$  due to parallel orientation of amphibole needles. 31.6 1% disseminated py in a dark green, medium-fine grained, amphibolitized rock, as at 15.0'. Rock is still slightly
    - fractured, and cut by 3-5% white carbonate stringers. 35.6 Mineralized zone, as at 22.6. 3-5% py, less than 1% cpy in a highly altered, fragmented rock. Medium patchy chloritization, and epidotization; minor patchy reddish-brown feldspathic
    - alteration. 40.0 Alteration and fragmentation decreases to low. Rock is amphibolitized, as at 31.6. Trace cpy.
    - 41.7 Mineralization increases to 2-3% py, tr. cpy. Low patchy white carbonatization, medium amphibolitization, minor epidote 47.4
- Green Dyke. Fine grained, medium sericitized, and carbonatized, locally faintly banded at 35° c.n. Upper contact abrupt (but 47.4 not sharp), parallel to banding. Trace disseminated py throughout. Last two feet are slightly darker green, due to medium chloritization. Lower contact sharp at 70°c.n.
- Mineralized Zone. 3-4% py, trace cpy, in a pale green, medium 63.8 grained and fragmented zone. High patchy chloritization and carbonatization. From 70.6' on the rock is dark brown, due to high soft brown, micaceous alteration.

(volc.?). Minor patches

72.0 Mineralization decreases to tr. py, alteration low. Rock is fine grained, green, and rel. hard DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

FROMERTY DISCUSS M.		HOLE NUMBER OF A	
LOCATION: LALL PLANET		DIP TESTS	
Laheudoi 1209 9  Departure: 6200 B  Elevations	Depth: 511.3	Footoge Reading Cur. 300.01 N 90 E, -36	યું છે. પુરુષ્
	Commenced: November 2		• • •
Azimuthi	Finished: December 3,	1963 Logged by: Matthew Blecha	
WMSCR	DESCRIPTION		
12.1 Prigno indist.  (12.2 patchy with 1.1 fagman and an tr. sy alters of red zon epidot 26.6 decres of red due to 31.5 amphibed, an 35.6 in a he sation this a 40.0 boliti 41.7 white 47.4 Green locall not shot at tration.	imas. Dark gress, fine grained, less than is pyrite-filled frace ated Zone. Medium fragmentation inot brown silicacus, angular am las, embedded in a dark green, for epidotisation and curbonstivetical disseminated py, and traceopy te gradually disappear, and the mphibolitised, (60% am hibole new py. Note minor patches of felds; ation.  Alised Zone. 2-3% apy, 1% py, in me. High patchy chloritization, tixation.  Mineralization decreases to trace to seld the feldspathic alteration; lock is a dish feldspathic alteration; lock in parallel orientation of amphiboly parallel orientation of amphiboly disseminated py in a dark green colitized rock, as at 15.0°. Rock out by 3-5% white carbonates at Mineralized Zone, as at 22.5°, and epidotization; minor patch literation.  Alteration and fragmentation decreased, as at 31.5°. Trace opy. Mineralization increases to 2-3% carbonatization, medium sephiboly parallel to banding. True arp), parallel to banding. True arp), parallel to banding. True arp), parallel to banding. True feet are alightly darker green arponatization there at 70° and for the parallel to banding. True arp), parallel to banding.	in the rock contains 10-20; is subrounded fragments. Minor on. Weakly mineralized y. From 15.0' on, milicacus rock becomes medium grained, edles, 1-4"). 1-25 py, pathic, and brown micaceous a highly altered, fragment and carbonatisation, med.  ce cpy, and 15 py, alteration still fragmented. Minor patches cal faint foliation (30°c.m.) cole needles.  cen, medium-fine grained, ch is still alightly fracturatingers.  1-25 py, less than 15 cpy Medium patchy chloritimy reddish-brown feldeperoreses to low. Rock is amplification, minor epidote.  (py, tr. opy. Low patchy litization, minor epidote.  citized, and carbonatized, oper contact abrupt (but is disseminated py throughout. In, due to medium chloritime, due to medium chloritime.	
grained carbons	ised Zone. 3-4% py, trade cpy, d and fragmented ione. High pate attention. From 70.65 on the ros	in a pale green; medium chy chicritization and car is dark brown due to	
72,0	oft brown, micacoous alteration. Minerclization decreases to transposition of great, and relaberd	ly, alteration low. Rock	

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- of brown micaceous alteration. Minor epidote stringers.
- 74.6 Mineralized Zone as at 63.8'. 1-2% cpy, 3% py.
- 77.0 Tr. py, cpy in a relatively fresh, fine grained rock, as at 72.0'.
- 80.4~3-4% py, trace cpy in a medium altered, medium fragmented zone. QC stringers 5-7%, some slightly offset by minor faulting. Medium patchy chloritization, carbonatization, and epidotization. 85.5
- 85.5 Green Dyke. As at 47.4, but the centra five-foot portion speckled with 7-10% rounded, soft, dark brown pseudophenocrysts. Sharp upper contact at 45°c.n., lower contact obscure. Tr. py. 97.1
- 97.1 Mineralized Zone. 5-7% po, 2-3% py, tr. sphal., tr. cpy, in a highly altered zone. Pale greenish grey, highly chloritized, medium carbonatized.
- 98.6 Green Dyke. As before, but not porphyritic.
  102.0 Mineralized zone. 3-4% po, 1-2% py, tr. cpy, tr. sphal., is a medium chloritized, sericitized, patchy rock.
  103.5 Green Dyke, as at 98.6, but mineralized with 3-5% py and minor traces of cpy and sphal.along fractures. Minor local chloritization.
  110.2
- 110.2 Mineralized Zone. 5-6% py, 1-2% po, tr.cpy, in a fine grained,dark green,altered volcanic Host. Medium patchy chloritization,low-med 119.0 carbonatization.
- 119.0 Volcanics. Green, very fine grained, massive, relatively fresh. The rock includes minor short (few inches) zones of high epidotization with associated pyrite. Minor fractures, with pyrite. Total py:1-2%. 134.3
- 134.3 Mineralized Zone. 3-4% py,1-2% po, less than 1% cpy in an altered zone. Dark green, fine grained. Medium chloritization, low carbonatization. Prob. altered volcanics, but gabbroic texture is evident inv 152.5 Mineralized Zone, as above, but the host is gabbro. places Fine to medium grained, uniform texture. Medium chloritization, minor local carbonatization, and epidotization. 168.0
- Gabbro. Fine to medium grained, uniform texture, low chloritization medium to high epidotization. 1% sulphides.
  171.5 Gabbro. Highly chloritized, soft, fine to medium grained, medium epidotization, medium carbonatization. QC stringers 2-3%. From 177.0' on, chloritization decreases to medium-low. Note few striated slip planes at random angles. Py 1-2%.
  178.4 Gabbro. Relatively massive and fresh, dark green, fine to med. grained. Local minor epidotization, and red staining of feldspar con stituents. 1% py along fractures, tr.cpy. Note striated slip plane at 80°c.n. at 198.7. The slip plane is highly chloritized, and striations indicate horizontal movement. 1% reddish carbonate stringers, some with minor associated py and cpy. Note minor fragmentation in an epidotized zone with 1% cpy from 219.5 to 220.0.
- 229.8 Mineralized Zone. 1-2% cpy, 2-3% py and po, in a medium altered, fragmented zone, containing 5% red acidic angular fragments. Medium chloritization, and sericitization, minor carbonatization.
- 240.0 Gabbro. Green, fine grained, uniform texture, fresh and massive.

  Minor patchy epidotization with associated traces of cpy. Locally slightly chloritized.

  258.5
- 258.5 Mineralized Zone. 3-4% py, 3-4% cpy, in a medium to highly chloritized gabbro.

of brown micaceous alteration. Minor epidote stringers. 74.5 Mineralized Zone as at 60.8% 1-28 cpy. 38 py. 77.0 Tr. py, cpy in a relatively fresh, fine grained, rock, as at 72.0' 80.4 )-43 py, trace cry in a medium altered, medium fragmented some. QC stringers 5-7%, some slightly offset by sinor faulting. Medium patchy chloritisation, carbonatisation, and epidotization. 855

- 85.5 Grean Dyke. As at 47.4, but the centra five-foot portion speckled with 7-10% rounded, soft, dark brown pseudophenocrysts. Sharp upper contact at 450 c.n., lower contact obscure. Tr. py. A Sec. 97.1
- 97.1 Mineralized Zone. 5-7% po, 2-3% py, tr. sphal., tr. opy, in a highly altered zone. Pale greenish grey, highly chloritized, medium carbonatized. 98.6 Green Dyke. As before, but not porphyritic. 102.0 Mineralised some. 3-4% pa, 1-2% py, tr. opy, tr. sphale, ia a medium chlimitised, serioitised, patchy rock,

103.5 Green Dyke, as at98.6, but gineralised with 3-5% py and minor traces of apy and sphal, along fractures; Minor local chloritization. 110.2

- 110.2 Mineralized Zone. 5-6% pg, 1-2% po, tr. cpy, in a fine grained, dark green, altered volcanic host. Hedium patchy chloritization, low-med. carbonatization. 119:0
- 119.0 Volcanios. Green, very fine grained, massive, relatively fresh. The rock includes minor short (few inches) somes of high epidotisation with associated pyrite. Minor fractures, with pyrite. Total py: 1-2%. UAS
- 154.5 Mineralised Zone. 3-45 py, 1-25 po, less than 15 cpy in an altered, sons. Dark green, fine grained. Medium chloritisation, low carbonatisation. Probably altered volcanics, but gabbroic texture is evident in places. 152.5 Eineralized Zone, as above, but the host is gabbro. Fine to

medium grained, unifirm texture. Medium chloritization, minor lossi esrbonatization, and epidotization. 168.0

dia

160.0 Gabbro. Pine to medium grained, uniform texture, low chloritization, medium to high epidotisation. 15 sulphides. 1765 Gabbro. Highly chloritized, soft, fine to medium grained; medium epidotization, medium carbonatization. QC stringers 2-3%. From 177.0 on, obloritization decreases to medium-low. Note for "triated slip planes at random amagles. Py 1-2%. 178.4 Gabbro. Relatively massive and fresh, dark green, fine to medium

grained. Local minor epidotization, and red staining of feldeper comstituents. 1% py along fractures, tr. cpy. Note striated slip plane at 80° c.m. at 198.7. The slip plane is highly chloritised, and striations indicate horizontal movements. Is reddish carbonate stringers, some with minor associated py and cpy. If Note minor fragmentation in an epidotised some with 1% cpy from 219.5 to 220.0. 229.8

- Mineralized Zone. 1-2% cpy, 2-3% py and po, in a medium altered, frag-229.8 mented sone, containing 5% red soldic angular fragments. Medigs chloritization, and sericitization, minor carbonatization. 240.0
- 240.0 Gabbro. Green, fine grained, uniform textume, fresh and massive. Minor p patchy epidotization with associated traces of cpy. Locally slightly chloritized. 258.5
- 258.5 Hineralized Zone. 3-4% py, 3-4% cpy, in a medium to highly chloritized gabbro.

Medium red staining of feldspar constituents. Minor carbonatization 259.5 Mineralization decreases to 3-5% py, tr. cpy, tr. Mo3<sub>2</sub>. Medium chloritization, minor local fragmentation minor epidotization. Rock is faintly foliated at  $60^{\circ}$  c.n. 268.0

- Zone of Foliation. Dark green fine grained, distinctly foliated rock at 60°c.n. The foliation consists of alternating layers (1-2mm) of dark green mafics, brownish (sericitized?) feldspathic material, and bands of dark brown, micaeous alteration material. Minor patches of epidote, with associated pyrite. Medium chloritization. Py 2-3%. 275.0 Altered Zone. High patchy epidotization (40%), high patchy chloritization. Rock is dark green, and contains 15% red acidic patches with irregular outlines (not fragments). The chloritic matrix is irregularly foliated. Note scattered needles of chloritized amphibole, (3-5%). 277.8 Zone of foliation, as at 268.0, but foliation becomes irregular. Increase in epidotization to 5-7%. Medium chloritization, medium brown micaceous alteration. From 283.0 on the angle of foliation ranges from 80-90°c.n. Traces of pyrite throughout. 283.0
- 283.0 Mineralized Zone. 5-7% cpy, 1-2% py, tr. molybdenite, in an irregularly foliated zone. Medium epidotization, chloritization, and carbonatization. Mineralization confined to an irregular stringer, almost parallel to core. Minor irregular red feldspathic patches.
- 284.5 Zone of Foliation. Foliation (80-90°c.n.) is not as pronounced as at 268.0', it consists mainly of parallel orientation of amphibole needles. Minor epidotization and chloritization, minor patches of soft, brown, micaceous alteration. Py 1-2%, tr. cpy. Note: the zone is similar to the amphibolitized zones encountered in D.D.H. EB-5. In places where foliation weak, gabbroic texture evident. Minor short, relatively massive; hard, very fine grained zones. Total QC less than 1%. 323.8
- 323.8 Fault Zone? Highly chloritized, well foliated at 60-65°c.n., cut by a 2" white carbonate stringer at 20°c.n., with irregular elongated inclusions of highly chloritized material. Minor brecciation near end.
- Zone of Fragmentation and Alteration. Patchy, irregularly foliated, dark, greenish grey rock, consisting of 40% grey feldspathic, streaks and patches (1-5mm x 10-50mm), in a dark brown, soft, micaceous(?) matrix. Patchy epidotization, (5%), 1-2% disseminated pyrite. Contorted foliation mainly at 80-90 c.n. 1-2% red feldspathic patches, and 1-2% quartz.
- 334.6 Mineralized Zone. 3-4% cpy, associated with epidote (15-20%, in an altered and fragmented zone, as above. From 336.8' on, epidotization decreases, mineralization decreases, and the rock consists of 54-50% reddish-grey, acidic, aphanitic fragments, and patches in a chloritized and epidotized matrix.

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Hedips red staining of felipper constituate. Minor perbonatization 259.5 Mineralization decreases to 3-34 py, tr. cpy, tr. MoSp. Medius chloritization, minor local fragmentation minor epidotization. Rook is faintly foliated at 60° d.m. 268.0

208.0 Zone of Foliation. Dark grean fine grained, distinctly foliated rock at 60° c.m. The foliation consists of alternating layers (1-2 mm) of dark green mafice, brownish (sericitized 7) feldspathic material, and bands of dark brown, mickeous alteration paterial. Minor pathes of epidote, with associated pyrite. Medium chloritization. Py 2-3%. 275.0 Altered Zone. High patchy epidotization (40%), high patchy chloritization. Rock is dark green, and contains 15% red acidio patches with irregular outlines (not fragments). The chloritic matrix is irregularly foliated. Note scattered needles of chloritized amphibole, (3-5%).

277.8 Zone of foliation, as at 268.0, but foliation becomes irregular. Increase in epidotization to 5-7%. Medium chloritization, medium brown micaceous alteration. From 280.0 on the angle of foliation ranges form 80 - 90 s.m. Traces of pyrite throughout.

283.0

- 281.0 Mineralized Zone. 5-75 opy, 1-25 py, tr. molybdenite, in an irregularly foliated zone. Medium epidotization, chloritization, and carbonatization. Minralization confined to an irregular stringer, almost parallel to nore. Minor irregular red felòpathic patches. 284.5
- 284.5 Zone of Foliation. Foliation (80-90° o.m.) is not as pronounced as at 268.0's it consists mainly of parallel orientation of amphibole meedles. Minor epidotization and chloritisation, minor patches of soft, brown, micaceous alteration. Py 1-25, tr. cpy. Note: the mone is similar to the asphibolitized mones encountered in D.D.H. EB-5. In places where foliations weak, gabbroic texture sydent. Minor short, relatively massive; hard, very fine grained mones. Total QC less than 15.
- 32.8 Fault fone? Highly chloritized, well foliated at 60-65° c.n., out by a 2° white carbonate stringer at 20° c.m., with irregular alongsted inclusions of highly chloritized material. Minor brecoistion near and.
- 229.5 Zone of Fragmontation and Alteration. Patchy, irregularly foliated, dark, greenish grey rock, consisting of 40% grey feldspathic, streaks and patches (1-5mm x 10-50mm), in a dark brown, soft, micaceous (7) matrix. Patchy epidotization, (5%), 1-2% disseminated pyrite. Contorted foliation mainly at 80-90 s.p. 1-2% red feldspathic patches, and 1-2% quartz.
- 334.6 Mineralised Zone. 3-4% opy, associated with epidote (15-20%), in an altered and frequented sone, as above. From 336.8 on, epidotization decreases, mineralization decreases, and the rock consists of 54-50% reddish-grey, acidic, apparitic fragments, and patches in a chloritised and epidotised matrix.

  339.3

- Fine to medium grained, fairly uniform texture, with 339.3 Gabbro. 40% feldspar constituents, locally stained red. The rock is unevenly epidotized, (10-15%), and locally carbonatized. Cut by 1-2% QC stringers. 1-2% py, tr.cpy, associated with epidote. Tr.molybdenite along fracture places; Minor patches of brown micaceous alteration. 418.3 Felsite-rhyolite(?). Brick-red, fractured, acidic, cherty; minor epidotization, tr. py and cpy. Fractured and fragmented sharp contacts. 419.3 Gabbro, as at 339.3 Note 3" mineralized zone with 5% cpy Note a highly chloritized zone, cut by a 2" carbonate stringer with chloritic inclusions, (minor fault)? at 446.7 to 447.31. 456.5
- 456.5 Mineralized Zone. 5-7% cpy, in a medium epidotized, and slightly chloritized gabbro. Mineralization mostly concentrated in a 1" stringer (70°c.n.) at the beginning of the zone. 458.9
- 458.9 Gabbro. Relatively massive and fresh. Becomes fine grained, and locally faintly foliated. Rock is locally speckled with a fine grained, white mineral (½"x5mm), elongated parallel to foliation. Minor patches of high epidotization, with minor associated cpy. 475.0
- 475.0 Volcanics. Dark green, fine grained to aphanitic, relatively massive and fresh. Minor epidotization, minor red feldspathic alteration. Upper contact gradational its exact position uncertain; the contact possibly represented by the altered, mineralize zone described below.

  477.2
- 477.2 Mineralized Zone. 5-6% cpy, tr. MoS<sub>2</sub>, in an irregularly foliated zone. Foliation ranges from 60-90°c·n. High epidotization, medium patchy chloritization, and medium red feldspathic alteration. 5-7% grey introduced quartz. 479.7
- Volcanics. Dark green, fine grained to aphanitic, relatively massive and fresh. First two feet faintly, irregularly foliated, and weakly mineralized with traces cpy, py and MoS<sub>2</sub>. Cut by 5-7% QC stringers, some stained red by hematite. The zone contains 5% epidote patches, and stringers, and 2-3% red feldspathic alteration (?) patches. The zone is similar to the volcanics encountered in the lower part of the D.D.H. EB-6. From 522.0' the rock becomes patchy, due to pale greyish, hard alteration (30%), associated with apidote stringers. Note a ½" qtz stringer parallel to core from 526.0 to 529.5'. Local indistinct, faint foliation at 25 c.n. 531.3
- 531.3 End of Hole.

- Gabbre. Pine to medium grained, feigly uniform texture, with 40% feldman constituents, locally stained red. The rock is unevenly epidoties, (10-16%), and locally carbonatized. Cut by 1-2% QC stringers. 1-2% py, tr. cpy, associated with epidote. Tr. molybdenite along fracture planes, Mhaor patches of brown micaceous alteration.

  418.3 Felsite-Rhyolibe (?). Brick-red, fractured, acidic, cherty; minor epidotization, tr. py and cpy. Fractured and fragmanted sharp contacts.

  419.3 Gabbro, as at 339.3 Note 3 mineralized sone with 5% cpy at 442.0. Note a highly chloritized sone, cut by a 2 carbonate stringer with chloritical inclusions, (minor fault)?, at 446.7 to 447.3 carbonate stringer with chloritical inclusions, (minor fault)?, at 446.7 to
  - 456.5 Mineralized Zone. 5-7% opy, in a medium epidotized, and slightly obloritized gabbro. Mineralization mostly concentrated in a length atringer (70°c.m.) at the beginning of the zone.
  - 458.9 Gabbro. Relatively massive and fresh. Becomes fine grained, and locally faintly foliated. Rock is locally speckled with a fine grained, white mineral (\$\frac{3}{m}\text{mor} \text{5mm}), elocated parallel to foliation. Minor patches of high spidotization, with minor associated cpy.

    475.0
  - 475.0 Volcanics. Dark green, fine grained to sphanitis, relatively massive and fresh. Minor epidotization, minor red feldepathic alteration. Upper contact gradational its exact position uncertain; the contact possibly represented by the altered, minoralized zone described below.

    477.2
  - 477.2 Mineralized Zone. 5-6% cpy, tr. MoSo, in an irregularly foliated sone. Poliation ranges from 60-90 c.n. High epidotization, medium patchy chloritization, and medium red feldspathic alteration. 5-7% grey introduced quartz.
    479.7
  - Volcanics. Dark green, fine grained to aphanitic, relatively massive and fresh. First two feet fainly, irregularly foliated, and weakly-mineralized with traces opy, py and MoS<sub>2</sub>. Cut by 5-7% QC stringers, some stained red by heactite. The some contains 5% epidote patches, and stringers, and 2-3% red feldspathic alteration (1) patches. The some is similar to the volcanics ensountered in the lower part of D.D.H. IB-6. From 522.0! the rock becomes patchy, due to pale greyish, hard alteration (DOM), associated with epidote atringers. Note a g qtx atringer parallel to r rg from 526.0 to 529.5% local indistinct, fain, foliation at 5 c.m.
  - 531.3 End of Hole.

Natilie Milia

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER: EB-13

LOCATION:

Ba chawana Bay, Ontario

DIP TESTS

Latitude:

1290 S

Dip: - 90<sup>0</sup>

Footage

Reading

Corrected

Departure:

6100 E

Depth:

533.7'

500.01

s 54°W.

-88°

Elevation:

Azimuth:

Commenced: Dec. 3, 1963

Finished:

Dec. 8, 1963

logged by:

Matthew Blecha

SAMPLE

DESCRIPTION

0.0' Casing 14.0

14.0 Mineralized Zone. 3-5% py, 2-3% po, in a highly altered, med. fragmented zone. The rock is fine grained to medium grained, pale greyish green. High patchy chloritization, sericitization, medium epidotization. Contains 5% red, acidic, angular fragments (½"-2") of granitic material which consist of 10-15% qtz pseudophenocrysts, and red feldspar phenocrysts in a red, aphanitic, matrix. 2-3% white, angular and subrounded qtz fragments and patches, (½"-1"). In the less altered phases of the zone, gabbroic texture is evident. Note a 0.7' white, fractured, barren, qtz-rich zone (vein?), with 10% angular fragments of green latered(?) rock at 26.0.
29.4 Trap Dyke(?). Very fine grained to aphanitic, fresh, and

massive., dark green, hard. Abrupt upper contact at 15°..., lower contact at 10-15°c.n. First 10' are medium grained, and faintly foliated at 15°c.n. with development of amphibole.

32.7 Mineralized Zone, as at 14.0'. 3-5% py, 3-5% po, tr. cpy, tr. molybdenite, with local concentrations. The zone contains 5% pale yellowish green, highly sericitized fragments and patches (½"-5"). Note relatively fresh and massive gabbroic emphibole rich phases from 47.0-48.9', and from 52.5-53.6'. Granitic fragments (as described at 14.0), disappear below 39.0'. Note: This zone is similar to that encountered in D.D.H. EB-7, EB-2, and EB-4.

100.8' As above, but cpy increases to 5%. Tr. molybdenite. 101.8' Mineralized Zone, as at 32.7. po 5-7%, py 4-5%.

106.8 Gabbro. Medium grained, massive, medium chloritized and

sericitized. Tr. py.

108.9 Mineralized Zone, 4-5% py, 4-5% po, tr. cpy, tr. molybd., in a highly altered, medium fragmented zone. High patchy chloritization, sericitization, medium patchy carbonatization; rock is pale greenish grey, soft. Note broken up core from 117.3' to 118.0'.

156.5 Highly altered, dark very soft, greenish brown rock. Type of alteration unidentified (sericite?). Massive, less than 1% py. 157.1 Volcanics (?). Dark green, aphanitic, very hard and massive. No min.

158.5

Tritisg Mining Co. Ltdi. HOLE NUMBER PACAPERTY. Batchavana Bay, Ontario OUP TESTS **LUCATION** - 90° 1290 B Reading Dip Corrected Foolage Lottuder Depthi 533.71 \$ 540 W 6100 X 500.01 Deportura Elevations Commencedi Dec. 3, 1963 Finished: logged by: Matthew Blecha Aximuthi Dec. 8, 1963 SHAPLE DESCRIPTION MUMBER 0.01 Caning. 14.0 14.0 Mineralized Zone. 3-5% py, 2-5% po, in a highly altered, mad. fragmented zone. The rock is fine grained to medium grained, pale greyich green. High patchy chloritization, sericitization, medium epidotization. Contain 5% red, soldic, angular fragments (f\*-2\*) of granitic material which consist of 10-15% qtm pasudophenogrysts, and red feldsper phenocrysts in a red, aphendic, 2-3% White, angular and subrounded qua fragments and patches, (in-la). In the less altered passes of the zone, gabbroic texture is evident. Note a 0.7' white, fractured, barran, qts-rich some (vein?), with lox angular fragments of green latered rook at 26.0. 29.4 Trap Dyke (7). Very fine grained to aphantic, fresh, and massive, dark green, hard. Abrupt upper contact at 15 c.m., There contact at 10-15 c.m. First 10 are modium grained, and faintly foliated at 15 c.m. with development of amphibole. 32.7 Mineralized Zono, as at 14.6 . 3-3% py, 3-5% pc, tr. opy, tr. wolybdanite, with local concentrations. The zone contains 5% pale yellowish green, highly sericitized fregments and patches (44-5"). Note relatively fresh and massive gabbroic. amphibols rich phases from 47.0 -48.91, and from 52.5-53.61. Granitio fragments (as described at 140), disappear below 39.0% Note: This zone is similar to that encountered in D.D.H. EB-7. EB-2, and E8-4. 100.8' As above, but opy increases to 5%. Tr. molyidenite. 101.8 Mineralized Zone, as at 32.7. po 5-7%, pr 4-5%. 106,8 Gabbre. Medium grained, manaive, medium chloritized and sericitized. Tr. py. 108.9 Mineralized Zone, 4-5% py, 4-5% po, tr. cpy, tr. molybd., in a highly altered, medium fragmonted zone. High patchy chieritization, sericitization, medium patchy corbonatization; rock is pale greenish gray, soft. Note broken up core from 117.31 to 118.6'.: 150.5 Highly altered, dark very soft, greenish brown rook. Type pf alteration unidentified (sericite?). Massive, less than 1% py. 157.1 Volcanics (7). Dark green, aphanitic, very hards and maneive. No min. 158.5

Mineralized Zone. 2-3% cpy, (conc'd in first 12" and near end), 5% py, 2-3% po, in a highly altered zone as at 108.9' High patchy chloritization, and sericitization. Rock is cut by 10-15% white qtz stringers and patches, but the mineralization is not necess sarily associated with the qtz. Original rock probably gabbro. 163.4 Mineralized Zone. Cpy decreases to trace, po 8-10%, py 1-2%, in a highly chloritized and sericitized, medium fragmented rock. (gabbro?)

166.7 Mineralized Zone. py 7-10%, po 1-2%, tr.cpy, in a fine grained, relatively massive, dark greyish green, medium chlori-

tized rock. (gabbro?) Less than 1% QC.

173.0 Mineralized Zone. po 3-4%, py 2-3%, tr. sphal., tr. molybd., tr. cpy, with local concentrations to 1% cpy between 173.0-175.0'. The host is a highly altered, fragmented rock as at 108.9'. Note 1" sphalerite patch at 184.4'.

185.5 Mineralization decreases to trace. Highly sericitized, and chloritized rock, core partly broken up between 186.9-188.0'. 188.0 Mineralized Zone as at 188.9. Po 7-10%, py 1-2%, tr.cpy, high patchy chloritizatioin, sericitization, measum carbonatization,

medium fragmentation.

194.0 Mineralized Zone py 5%, po 5%, tr. cpy; in a highly chloritized gabbro (?). Medium coarse grained, becoming fine grained

Relatively massive.

- 199.0 Mineralized Zone. po 4-5%, py 3-4%, less than 1% cpy, in a highly altered, fragmented zone as at 108.9. The zone contains two highly sericitized, barren, fine grained, rel. massive pale yellowish green dykelets (?) from 205.8 - 206.3, and from 210.0 to 211.3. 216.0
- Gabbro. (?) Dark green, medium to coarse grained, amphibole-rich slightly chloritized. Faintly foliated at 20° c.n. near end. 216.0 The rock is speckled with 2% white leucoxene (?) crystals (1-2mm). Note a 4" highly sericitized, and carbonatized zone in centre, and a ½" red acidic, angular inclusion at 218.4". From 219.0" on the rock becomes medium chloritized, sericitized, fragmented, and mineralized with 3-5% py. Lower contact broken up. 221.0
- 221.0 Felsite. Pale greyish green, aphanitic, acidic, slightly fractured rock, locally faintly foliated at 30°c.n. Locally spotted with 30% white indistinct pseudophenocrysts (3-5mm). Interrupted by a 5" highly altered and fragmented, mineralized zone at 223.7, (same as at 119.0'). Qtz stringer 3-5%. 226.2
- 226.2 Mineralized Zone, as at 108.9. 10% py, and po.
- 227.5 Diabase. Dark brownish green, medium to coarse grained, massive. 227.5 The rock consists of 60% interlocking brown feldspar laths (1-6mm) in a fine grained, chloritized matrix. Good ophitic texture. Minor epidote, 7-10% finely disseminated py.
- 229.4 Mineralized Zone. As at 108.9. 7-8% py and po. High sericitization near end. 231.6
- Felsite. Pale pinkish brown, acidic, aphanitic, hard, slightly 231.6 fractured. Minor chloritized and sericitized patches, faint local banding at 40° cm. Trace py. DUPLICATE COPY 235.7

### DESCRIPTION

158,5" Microalized Zone. 2008 cpy, (appeld in Stret 12" and near and), 5% py, 2-3% po, in a highly altered above as at 108.91. High patchy coloritization, and sericitization. Rock is out by 10-15% white qts stringers and patches, but the vineralization is not necessarily associated with the qua. Original rock protably subbro. 16).4 Minuralized Zone. Cpy decreases to trace, po 8-10%, py 1-2%, in a highly chloritized and sericitized, medium fragmented rock, (gabbro?) . 166.7 Hineralized Zone. py 7-les, pe 1-21, tr. cpy, in a fine grained, realtively massive, dark greyish green, medium chloritized rock. (gabbro?) Less than 15 QC. 17j.0 Mineralized Zone. po ->-4%, py 2-5%, tr. sphal., tr. molybd., tr. opy, with local concentrations to 1% cpy between 173.0 -175.0%. The host in a highly altered, fragmented rock as at 108.91. Note 1" sphalarite patch at 184.4% 185.5 Mineralization decreases to trace. Highly dericitized, and chloritized roak, core partly broken up between 186.9 - 188.0", 188.0 Mineralized Zone, as at 188.9. Fo 7-10%, py 1-2%, tr. cpy, high patchy chloritization, pericitization, medium corbonatization, medium fragmentation. 194.0 Mineralized Zone. py 5%, po 5%, tr. cpy, in a highly shloritised gabbro (1). Medium course grained, becoming fine grained at 197.0. Relatively massive. 199.0: Mineralised Zone. po 4-5%, py j-4%, less than 1% opy. in a highly altered, fragmented some as at 108.9. The some contains two highly soricitized, barren, fine grained, rel. massive, pale yellowish green dykelets (?) from 205.8 - 206.3, and form 210.0 to 2113 216.0

- 216.0 Gabbro. (1) Dark green, medium to coarse grained, amphibole-rich, slightly chloritized. Faintly foliated at 20°c.m. near end. The rock is speckled with 2% white leucoxene (7) crystals (1-2mm). Note a 4° highly sericitized, and carbonatized zone in centre, and a red acidic, angular inclusion at 213.4'. From 219.0'on the rock becomes medium chloritized, sericitized, fragmented, and mineralized with 3-5% py. Lower contact broken up.
- 221.0 Felsite. Pale greyish green, aphanitic, acidio, slightly fractured rock, locally faintly foliated at 30°c.s. Locally spotted with 30% white indistinct pseudophenocrysts (3-5mm). Interrupted by a 5" highly altered and fragmented, mineralized sone at 223.7, (same as at 119.0%). Qts stringer 3-5%.
- 226.2 Mineralised Zone, as at 108.9. 10% py, and po. 227.5
- 227.5 Diabase. Dark brownish green, medium to course grained, massive.

  The rook consists of 60% interlooking brown feld\*par laths (1-6mm)
  in a fine grained, chloritized matrix. Good ophitic texture. Minor epidote, 7-10% finely disserinated py.
  229.4
- 229.4 Mineralised Zone. As at 108.9 7-8% py and po. High sericitisation near end.
  231.6
- 231.6 Felsite. Pale pinkish brown, soidic, aphenitic, hard, slightly fractured. Minor chloritized and sericitized patches, faint local banding at 400cm. Trace py. 235.7

- 235.7 Mineralized Zone. 5-7% py, 2-3% po, less than 1% cpy, in a highly altered, fragmented zone. High patchy chloritization, carbonatization, and sericitization. Rock is cut by 10% qtz stringers and patches. Zone includes fine grained, massive, dark green, hard, barren section (dyke.) from 242.3 to 243.5, with sharp, irregular contacts. 249.5
- 249.5 Dyke(?) Fine to medium grained, greyish green, faintly porphyritic, massive. Consists of 5-7% anhedral qtz pseudophenocrysts 5-10% dark green (1-20mm) pseudophenocrysts in a fine grained, medium chloritized and sericitized matrix. High sericitization near contacts. (45°c.n.) No min. 251.3
- 251.3 Mineralized Zone. 5-7% po and py, in a highly altered, and fragmented zone. High patchy chloritization, sericitization and carbonatization. Qtz. 5%.
  256.0 Mineralization decreases to less than 1% py and po. Rock consists of 85% grey acidic fractured fragments with 15% interstitial chlorite, and carbonate.
  258.0 As at 251.3 Qtz.5-7%. Note faint foliation at 30°c.n. near end.
  262.9 Zone of high chloritization. Greenish black, soft rock, with 25% white carbonate patches and 10% qtz. Tr. py.
  263.7 Mineralized Zone. 3-4% po, 1-2% py, tr. cpy, in a highly altered, fragmented zones, as at 108.9.
  265.7 Dyke, highly sericitized, pale yellowish green, fine grained massive, barren, chloritized, becomes dark green from
  - 267.0 to 268.0, and from 268.8-269.4. Interrupted by a 0.5' highly altered and fragmented zone with tr. cpy at 266.5'. 270.3 Mineralized Zone. Less than 1% cpy, 2-3% po, 1-2% py, in a highly altered, highly fragmented zone. High patchy chloritization, and sericitization. Zone is cut by a 0.6' dyke (as at 265.7) at 273.0'. Note high chloritization near contacts. 278.0 Mineralized Zone. 2-3% po, 1-2% py, tr. cpy, tr. molybd., in a highly altered, medium fragmented zone as before, but with 5% widely scattered angular fragments of reddish pseudoporphyritic material as described at 14.0'. Note distinct foliation at 60 c.n. at 288.5-289.0, with sulphides aligned parallel to foliation. Cut by a 0.6' dykelet (as at 265.7') at 290.5', with sharp contacts at 35 c.n.
  - 291.4 Mineralized Zone. 2-3% cpy, 1-2% py and po, in a highly altered fragmented zone. High patchy chloritization & sericitization medium carbonatization. 5% grey, acidic, angular fragments ( $\frac{1}{2}$ "-1"). Note a 0.4' barren, greenish dyke as at 265.7', at 295.0'. 296.5
- 296.5 Felsite. Pale grey, aphanitic, acidic, slightly fractured, faintly porphyritic with 20% pale grey pseudophenocrysts (1-10mm) and 5% interstitial chlorite. Less than 1% sulph.
- 298.9 Mineralized Zone, 1% cpy, 1% py, 1% po, in a fragmented felsite, as above, 25% interstitial chlorite, 1-2% Qtz. 300.0
- 300.0 Felsite. As at 296.5, but slightly fragmented and locally banded at 35° c.n. 5% interstitial chlorite, tr. py. Note ½" qtz stringer at 45° c.n. at 306.7.

- 235.7 Mineralized Zone. 5-7% py, 2-% ps less than 1% cpy, in a highly altered, fragmented sone. High petchy chloritization, carbonatization, and sericitization. Rook is out by 10% qta stringers and patches. Zone includes fine grained, massive, dark green, hard, barren section (dyke?) from 242.3 to240.5, with sharp, irregular contacts.

  249.5
- 249.5 Dyke (1). Fine to medium grained, greyish green, faintly purphyritio, massive. Consists of 5-7% unhedral qts pseudophenocrysts 5-10% dark green (1-20mm) pseudophenocrysts in a fine grained, medium chloritized and sericitized matrix. High sericitization near contacts. (45°a.m.). No min.
- 251.3 Mineralized Zone. 5-75 po and py, in a highly latered, and fragmented zone. High patchy chloritization, sericitization and ourbonatization. Qts 55.

  256.0 Mineralization decreases to less than 15 py and po. Rock

256.0 Mineralization decreases to less than 1% py and po. Rock consists of 85% grey acidic fractured fragments with 15% interstitial chlorite, and carbonate.

258.0 As at 251.3 Qts.5-7%. Note faint foliation at 3000.n. near end.

262.9 Zone of high chlcritization. Greenish black, soft rock, with 25% white carbonate patches and 10% qts. Tr. py.

263.7 Kineralized Zone. 3-4% po, 1-2% py, tr. opy, in a highly altered, fragmented somes, as at 103.9.

265.7 Dyke, highly sericitized, jule yellowieh green, fine graineds massive, barren, chloritized, becomes dark green from 267.0 to 268.0, and from 268.8-269.4. Interrupted by a 0.5 highly

altered and fragmented zone with tr. cpy at 266.5%.

270.3 Mineralized zone. Lean than 1% opy, 2-3% po, 1-2% py,

in a highly altered, highly fragmented zone. High patchy chloritization, and remiditization. Zone is cut by a 0.6 dyke (as at 265.7) at 273.0. Note high chloritization near contacts.

278.0 Mineralized Zone. 2-3% po, 1-2% py, tr. cpy, tr. molybd., in a highly altereds medium fragme ted sone as before, but with 5% widely scattered angular fragments of reddish pseudoporphyritic material as described at 14.0%. Note distinct foliation at 60% n. at 288.5-289.0, with sulphides aligned parallel to foliation. Cut by a C.6% dykelet (as at 265.7%) at 290.5%, with sharp contacts at 35% o.n.

291.4 Mineralized Zone. 2-15 cpy, 1-25 pm and po, in a highly altered fragmented zone. High patchy abloritization, and vericitization, aedi-m cerbonatization. 55 grey, acidic, angular fragments (fa-1). Note a 0.4 barren, greenish dyke as at265.7, at 295.0. 296.5.

- 296.5 Pelexite. Pale grey, aphanitic, acidic, slightly fractured, faintly popphyritic with 20% pale grey pseudophenocrysts (1-10mm) and 5% interstitial chlorite. Less than 1% ulph.
  298.9
- 298.9 Mineralised Zone. 1%cpy, 1%py, 1% po, in a fregmented felsite, an above. 25% interstitial chlorite, 1-2% qts.
- 300.0 Felsite. As at 296.5, but elightly fragmented and locally banded at 3500.m. 5% interstitial chlorite, tr. py. Note in qts stringer at 4500.m. at 300.7

- 309.0 Mineralized Zone. 1-2% cpy, 2-3% po and py, in a greenish gray highly altered, fragmented rock. High patchy chloritization, sericitization, low carbonatization, Qtz 7-10%.
- 311.6 Green Porphyry Dyke. Pale brownish green, porphyritic, relatively massive, Medium sericitized, slightly carbonatized; consists of 30% aphedral and subhedral chloritized and sericitized green phenocrysts (1-10mm) in a pale green, relatively hard, fine grained to aphanitic matrix. Rock contains about 5% wall defined bands of equigranular, medium highly sericitized, pale green dyke material. Very minor traces of py, and cpy. Upper contact sharp at 25-30°c.n., lower contact medium chloritized, and indistinct.
- 325.6 Mineralized Zone. 1-2% cpy, 5-7% po, 2-3% py in a highly altered, greyish green medium fragmented zone. Medium patchy chloritization, sericitization, low to medium carbonatization; 5% indistinct grey, fractured, acidic fragments (1-20mm).
  331.3
- 331.3 Green Porphyry Dyke, as at 311.6. Sharp upper contact at 40°c.n., lower contact indistinct. Minor traces of py and cpy. 334.7
- 334.7 Mineralized Zone. 1% cpy, 3-5% py and po, in a highly altered, highly fragmented zone. High patchy chloritization, sericitization, carbonatization, minor local epidotization. 5-7% qtz stringers and patches, 1-2% brown and grey acidic fragments. Note highly altered fragments of the above porphyry dyke at 330.6'. The zone contains two relatively fresh and massive dark green, hard, fine grained zones from 337.6 to 338.4' and from 340.2 340.5'. 345.0
- 345.0 Gabbro (?). Fine to medium grained, dark green, amphibole rich, locally highly carbonatized, slightly chloritized. 346.5
- 346.5 Felsite(?). A predominantly brownish grey, aphanitic, acidic rock, medium fragmented, locally faintly foliated at 60° c.j. 10% interstitial chlorite, 5% QC. Tr. py., Sharp lower contact at 35-40°c.n. 348.5
- Mineralized Zone. 3-4% po and py, tr. cpy, in a highly fragmented, highly altered, zone. Med. patchy chloritization, and silicification, low carbonatization. 10% qtz stringers and patches, 2-3% brown acidic fragments (½"-1").
  353.0 Volcanics(?) Fine grained, dark green, hard, massive; minor brown soft micaceous alteration. 1% py.
  354.0 As above, but core broken up. 5% qtz, minor chloritized, striated slip planes. 1% py, tr. cpy.
  355.0 2-3% finely disseminated py and po, in a fine grained, dark green, relatively massive, locally fragmented volc(?) rock. Minor patchy chloritization, less than 1% small brown, acidic fragments. Locally, speckled with fine leucoxene crystals.
- 358-9 Qtz-rich fragmented Zone. Pale greenish grey rock, highly brecciated appearance. Consists of 40-50% pale, yellowish green, medium to highly sericitized, angular, fractured, acidic fragments, 5-10% dark green, chloritized fragments embedded in a qtz matrix. Size of fragments ranges from few millimeters to two inches. Total qtz 35-40%. Less than 1% carbonate stringers. The rock is weakly and sporadically mineralized with widely scattered small patches of po, py, and cpy.

- 30%, 0 Minorelized Zone. 1-2% opy, 20% po and pay in a grounder gray chighly altered, Tragmonted form. High pattery chloritization, some rigitization, low carbonatization, Qts 7-10%.

  211.6
- Bile Green Porphyry Dyke. Pale trustish preen, perphyritie, relatively massive. Medium sericitized, slightly carbonatized; consists of 30% anhedral and suthedral chloritized and sericitized green phenocrysts (1-10 mm) in a pale green, relatively hard, fine graine(to aphanitic matrix. Rock contains about 5% well defined bands of equigranular, sedium highly sericitized, pale green dyke material. Very minor traces of py, and cpy. Upper contact sharp at 25-30°c.n., lower contact medium chloritized, and indistinct.
- 25.6 Mineralized Zone. 1-2% cpy, 5-7% po, 2-3% py in a highly altered, greyish green medium fragmented zone. H dium patchy coloritization, sericitization, low to medium carbonatization; 5% indistinct grey, fractured, acidio fragments (1-20mm).
- 231.3 Grean Porphyry Dyke, as at 311.6. Sharp upper contest at 40°o.m., lower contact indistinct. Minor traces of py and opy.
- 334.7 Mineralized Zone. 1% cpy, \_ \_ py and po, in a highly altered, highly fragmented some. High patchy chloritization, sericitization, carbonatization, minor local epidotization. 5-7% qtz stringers and patrices, 1-2% brion and gray soldic fragments. Note highly altered fragments of the above porphyry dyke at 130.6%. The some contains two relatively fresh and massive dark green, hard, fine grained somes from 137.6 to 138.4 annd form 140.2 140.5%.
- 345.0 Gabbro (?). Fine to medium grained, dark green, amphibole rich, locally highly carbonatized, alightly chloritized.
  346.5
- 346.5 Velaits (?). A predominantly bravaish grey, apparitie, acidic rook, andium fragmented, locally faintly foliated at 60°c.m. 10% inter-stitial chlorite, 5% QC. Tr. py. Sherp lower contact at 35-40°c.m. 348.5
- 348.5 Mineralized Zone. 3-4% po and py, tr. cpy, in a highly fragmented, highly altered, sone. Med. patchy chloritization, and silicification, low carbonatization. 10% qtz stringers and patches, 2-3% brown acidic fragments (2\*-1\*)
  353.0 Volcanics (7) Fine grained, dark green, hard, massive; minor brown soft micaceous alteration, 1% py.
  354.0 As above, but core broken up. 5% qtz, minot chloritized, striated slip planes: 1% py, tr. cpy.
  355.0 2-3% finely disseminated by and po, in a fine grained, dark green, relatively massive, locally fragmented volo (7) rock.
  Minor patchy chloritization, lais than 1% small brown, acidic fragments. Locally speckled with fine leacoxene crystal.s.
- 358.9 Quartich frequented Zone. Pals trounish grey rook, highly brecciated appearance. Consists of AG-90% pals, yellowish green, medium to highly sorialized, angular, frequent, editic frequents, 5-10% dark green, chloritized frequents embedded in a quarkerix. Size of Sugments ranges from few millimeters to two incass. Total qualifications in them appearance to the rock is weakly and spondically minoralized with widely southered small patches of po, py, and cpy.

Total sulphides 1%. Inly the relatively richest sections sampled) Note a 1" patch of sphalerite at 493.5. Note a highly chloritized zone with 40% contorted qtz stringer from 373.5 to 374.0, and a highly chloritized, brecciated zone from 381.4 to 382.1'. 405.5

- 405.5 Gabbro. Fine grained, dark green, massive and fresh. Cut by 5% qtz stringers, 5% epidote stringers, some offset by minor faulting. Minor patches of red feldspathic alteration. First 4 feet mineralized with 1-2% finely disseminated py, and po. 422.2
- 422.2 Zone of Fragmentation. Abrupt upper contact at 0°c.n. acidic fragments (1/8"-3") 5% white qtz fragments, in a fragmented, siliceous and epidotized matrix. 2-3% po and py. 423.7 Siliceous, fragmented zone. 40% pale brown angular acidic fragments (1/8"-½"), 10-15% basic chloritized fragments in a siliceous matrix. Total qtz 50%. No min. 426.2 Fragmented zone. Greenish grey, patchy chloritization, and silicification, and carbonatization, 3-5% white qtz fragments, 1-2% po, py, tr. cpy. Cut by a 3" fine grained, slightly sericitized dykelet at 426.4 427.7 Felsite, pale brownish grey, acidic, cherty rock; minor fracturing. No min. 428.7 Fragmented Zone. As at 426.2. 10% angular qtz fragments, 5-10% grey acidic fragments, high patchy chloritization, sericitization, and carbonatization. QC 10-15%. 1% sulph. Note a 3" highly sericitized, disintegrated zone at 432.0 (fault?) Note a 0.7' fine grained, medium chloritized, and sericitized dykelet at 437.7'. 444.4 Grey, acidic, aphanitic, fragmented rock, locally faintly foliated at 35 c.n. QC 1-2%, tr. sulph. Minor disseminated cpy between 442.9 - 443.6'. 443.8
- 443.8 Aplite Porphyry Dyke. Pale reddish green, fine grained, sugary texture, 5% anhedral sericitized and chloritized pseudophenocrysts. Relatively massive, no min. Abrupt upper contact, lower contact brecciated.
  455.7
- 455.7 Fragmented Zone. Dark green, siliceous, fragmented rock with 5% red acidic fragments. Minor patchy chloritization, medium patchy epidotization, Gabbroic texture evident locally. 1% py.

  Note MoS<sub>2</sub> along fractures between 460.0-461.0'.

  465.0 Gabbro, fine grained, massive, medium epidotized, minor red staining of feldspar. Minor local fragmentation. Tr. py.

  468.8 Fragmented Zone. Med-high epidotization, 5% red acidic fragments (½"-1"), high patchy chloritization, 1-2% py, po, tr.cpy.

  480.0 Gabbro. Medium grained, massive, low chloritization, 1% py.

  481.8 Mineralized Zone. Less than 1% cpy, 1-2% py, in an altered fragmented zone as at 468.8. Note 1" qz stringer at 50 cn.at 481.9'

  483.6
- 483.6 Gabbro. As at 480.0. Medium epidotization, minor fragmentation. QC 3%.
- 489.0 Fragmented Zone. Medium epidotization, low fragmentation, low carbonatization and silicification of a fine grained, pale greenish grey rock. 2-3% py.

  492.1

Total selptones as a common of the control of the entropy sample of note a 1\* patent of agreement of the control of the contro

- 405.5 Gautro. Fine grained, dark pream, sursive and frest. Out by 5% qtm stringers, 5% epidots stringers, some offset by minor faulting. Hinor patches of red falcepothic alteration. First A feet minoralized with 1-2% finely dispensional by, and po. 422.2
- Zone of Progress atton. Abrust upper contact at O'c. v. 5-7% 472.2 red acidic fragments ({ n. i\*), it white qua fragments, in a fragmented, miliceous and epidotiani matrix. 2-3% po and py. 425.7 Silineous, fragmented zone. 40% pale brown angular acidio fragments (}"-{", lu-15% basis chloritized fragments in a silice ous matrix. Total que 50%. No. min. 426.2 Pregmented some. Greenish grey, patchy chloritisation, and milicification, and carbonatization, 3-5% white gts fragments, maxmim. 1-2% po, py, tr. cpy. Out by a 3" fine grained, wlightly sericitized dykelet at 426.4 427.7 Polsite, pale trounish grey, acidic, charty rock; minor fracturing. Wo win-428.7 Prognented Zone. As at 426.2. 10% angular que freguente, 5-10% grey acidia fragments, high patchy chloritisation, sericitization, and combonutisation. QC 1/415%. 1% sulph. Note a 3" highly werioitized, dimintagrated zone at 42.0. (fault!) Note a 0.71 fine grained, medium chloritised, and sericitized dykelte at 437.71. 444.4 Grey, moidic, whamitic, fragmented . k, locally faintly foliated at 35°a, n. QC 1-2%, tr. sulph. M. or disseminated opy between 442.9' - 445.61. 463.8
  - 441.8 Aplite Porphyry Dyke. Pale reddish grean, fine grained, sugary texture, 5% ambedral sericitized and enforttized sendophenocrysts. Relatively massive, no min. Abrupt upper contact, lower contact bracciated.
    455.7
  - Fragmented Zone. Drak green, allicable, fragmented rock with 5% red acidio fragmenta. Mileo patchy chloritization, medium patchy epidotization, Gaborcic texture evident locally. 1% py. Note MoSy along fractures between 160.0-261.01.

    465.0 Gabbro, fine grained, measure, medium epidotized, minor red staining of foldoper. Minor local fragmentation. Tr. py. 468.3. Fragmented Zone. Med-high epidotization, 5% red acidio fragments (4-1), high fatchy chloritization, 1-2% py, jo, tr. opy. 480.0 Gabbro. Medium grained, massive, low chloritization, 1% py. 481.8 Mineralized Zosa. Losa than 1% cpy, 1-2% py, in an altered, fragmented zone as at 466.8 Note 1° qtx atringer at 500c.m. at 481.9° 483.6°.
  - 483.6 Gabbro. As at 48c.O. Media epidotization, minor fragmentation. QC 3%.
    489.0
  - 489.0 Fragmented Zons. Hedina epidetization, low fanguentation, low carbonatization and silicification of a fine grained, pale graenish grey, rock. 2-0% py.
    492.1

5

- 492.1 Felsite-Rhyolite (?) Red, acidic, siliceous, aphanitic, fractured rock with 5% interstitial chlorite.
  496.0
- 496.0 Fragmented Zone, 10% red acidic fragments (½"-4") 2-3% pale brown acidic fragments in a dark green, fragmented siliceous rock. Medium patchy epidotization, patchy chloritization; the zone includes 25% relatively fresh and massive dark green gabbroic section.

  Note a 1.0' zone of fragmented dark brown fairly, irregularly foliated, altered rock (micaeous alteration?) at 501.0. Tr. py, po, cpy, MoS<sub>2</sub> throughout. Qtz 3-4%.
  533.7
- 533.7 End of Hole.

Distant

492.1 Persut subgrouped to the many according silideous, aphanitic, fractured rock with the interptitial colorated 496.3

A96.0 Progressed Bone. like red abidit fragments (1-4") in 2-3% pale brown acidic fragments in a dark green, fragmented diliceous rock. Medium patchy epifotization, patchy chloritization, the sone includes 25% relatively fresh and massive dark green, gaphroic section. Note a 1.0° rone of frag ented dark brown fairly, irregularly foliated, altered rock (zicebous alteretion?) at 501.0 Tr. py.po.cpy, Mcd2 533.7

533.7 End of Hole.

Nathuw Meslig

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER. EB-14

LOCATION:

Batchawana Bay, Ontario

DIP TESTS

Latitude: 1300S

-65<sup>0</sup> Dio:

Pajara at 480' - 64° N29\*W(Magn)

Reading Footage

Departure:

**4000E** 

4871 Depth:

Elevation:

Commenced:

April 3,1964

Azimuth:

330°

Finished:

April 6,1964

Logged by:

Matthew Blecha

SAMPLE NUMBER

### DESCRIPTION

- 0.0 Casing 14.0
- 14.0 Mineralized Zone. 1-2% chalcopyrite, 2-3% pyrrhotite, 2-3% pyrite, with local concentration, in a highly fragmented, highly altered zone. High patchy chloritization, sericitization and carbonatization. First 10 feet oxidized and yuggy. Predominantly basic (gabbroic) fragments; 10-15% highly sericitized, indistinct felsitic fragments; 2-3% quartz stringers and patches. Trace MoS<sub>2</sub> along fractures. This zone is identical to that encountered in top of EB-2. 104.0 As above, but mineralization increases to 15-17% pyrrhotite, 3-4% chalcopyrite. 107.7 - Green felsophyre, high sericitized, soft, pale greenish yellow; 1% pyrrhotite, pyrite, trace sphalerite. 109.5 - Mineralized fragmented zone as before. 126.0
- 126.0 Zone of sericitization and fragmentation. High sericite, pale yellowish crumbly rock as at 107.7. The zone contains a predominantly basic fragmented zone from 128.0-130.0. 1-2% sulphides. 137.0
- 137.0 Mineralized Zone, as at 14.0. 1% chalcopyrite, 5% pyrrhotite, pyrite. High, patchy chloritization, sericitization and carbonatization. Includes a relatively massive gabbroic section from 140.0-143.0. 2-3% quartz carbonate. 190.0 - Mineralized Zone - 3-5% pyrite, 1% chalcopyrite in a highly fragmented zone. The host is a cherty well, but irregularly banded (tuffaceous?) rock. Medium-highly chloritized and sericitized. 197.5 - Fragmented Felsite, pale yellowish gray, siliceous, relatively fresh, minor sericitization.
- 201.5 Zone of Fragmentation - Predominantly pale green, sericitized felsitic(?) fragments; 1-2% sulphides. Medium carbonatized. 20% chloritized basic fragments. 217.0
- 217.0 Mineralized Zone. 1% chalcopyrite, 5% pyrite, pyrrhotite, in a highly fragmented, predominantly basic zone. High patchy chloritization, sericitization and carbonatization. quartz carbonate. Locally evident gabbroic texture.

DUPLICATE COPY FOOR QUALITY ORIGINAL TO FOLLOW

PROPE :: Tribag Mining Co. Limited

HOLE NUMBER: [3-14

LOCATION: Batchawana Bay, Onterio

DIP TESTS

Pajari at 480° - 64° N29°W(Nagn)
Footoge Reading Corrected

Latitude:

13003

Dip: -65\*

Departure:

6000K

Depth: 487

Elevation:

Commenced: April 3, 1964

Azimuth:	330•	Finished: April 6, 1964 Logged by: Matthew Blochs
SAMPLE NUMBER		DESCRIPTION
	0.0	Casing 14.0
	14.0	Mineralised Zone. 1-2% chalcopyrite, 2-3% pyrrhotite, 2-3% pyrite, with local concentration, in a highly fragment od, highly altered sone. High patchy chloritisation, sericitisation and carbonatisation. First 10 feet oxidised and ruggy. Predominantly basic (gabbroic?) fragments; 10-15%
		highly sericitized, indictinct folsitic fragments; 2-3% quarts stringers and patches. Trace MoS2 along fractures. This sens is identical to that andountered in top of EB-2.  104.0 - As above, but mineralisation increases to 15-17% pyrrhotite, 3-4% chalcopyrite.
		107.7 - Oreen felsophyre, high sericitized, soft, pale greenish yellow; 15 pyrrhotite, pyrite, trass sphalerite. 109.5 - Mineralised fragmented some as before. 126.0
	126.0	Zone of sericitisation and fragmentation. High sericite, pale yellowish erumbly rock as at 107.7. The sone contains a predominantly busic fragmented sone from 128.0-130.0. 1-25 sulphides. 137.0
	137.0	Hineralised Zone, as at 14.0. 15 chalcopyrite, 5% pyrrhotite, pyrite. High, patchy chloritisation, sericitisation and carbonatisation. Includes a relatively massive gabbrois section from 140.0-143.0. 2-3% quarts carbonate. 190.0 - Hineralised Zone - 3-5% pyrite, 1% chalcopyrite in a highly fragmented zone. The host is a cherty well, out irregularly bunded (tuffaceous?) rock. Hedium-highly chloritized and sericitized.  197.5 - Fragmented Pelsite, pale yellowish gray, siliceous, relatively fresh, winor sericitisation.
	201.5	201.5 Zone of Fragmentation - Predominantly pale green, sericitized felsitic(7) fragments; 1-2% sulphides. Nedium carbonatized. 20% chloritized basic fragments.
	217.0	217.0  Mineralized Zone. 1% chalcopyrite, 5% pyrite, pyrhotite, in a highly fragmented, predominantly busic zone. High patchy chloritization, sericitization and carbonatization. 2-3% quarts carbonate. Locally evident gabbroic texture.

	245.0 - Gabbro - relatively massive and fresh, medium grained, amygdule-rich. 247.0
247.0	Fragmented Gabbro - medium patchy epidotization; 3-4% disseminated pyrite; low fragmentation.
	259.0 - Fragmented Gabbro(?) as above, mineralization increases to 5% pyrite, 1-2% chalcopyrite with local concentration.
282.0	282.0 Fault Zone(?) Core broken up, medium-highly chloritized. Partly disintegrated around 284.0. Quartz carbonate rich zone from 286.0-287.0. 287.0
287.0	Eineralized Zone. 5% pyrite, trace chalcopyrite, in a medium fragmented, patchy medium chloritized and epidotized rock.
300.0	Gabbro - still slightly fragmented, almost massive, dark grey, medium grained, amphibole-rich. Low chlorite, medium carbonatization, minor brown micaceous alteration. 311.0
311.0	Mineralized Zone. 10% chalcopyrite, 5% pyrrhotite, pyrite, in a fragmented, fine grained basic zones. Paint, irregular foliation, low chlorite. Medium epidotization and carbonatization. 316.0
316.0	Volcanic? Gabbro, fine grained, dark grey, relatively massive rock. Medium chloritized, becoming relatively fresh at 319.0. 1-2% pyrite, trace chalcopyrite. Gradually becoming coarser grained, distinctly gabbroic. Minor local fragmentation. 337.0
337.0	Mineralized Zone. 15-17% chalcopyrite, 10% pyrite and pyrrhotite in a dark grey, medium chloritized, silicified and carbonatized rock (gabbroic?) / 342.0 - Gabbro - dark grey, medium grained, "spotty" texture, due to darker colour of amphibole xals. Hassive, fresh, with few short chloritized phases. 1-2% unevenly disseminated chalcopyrite, 1-2% pyrite. 359.7
359.7	Fault Zone. Highly chloritized, core badly broken up, gabbroic host.
360.0	Gabbro, as at 342.0. 365.0 - Quarts curbonate vein. 366.0
366.0	Zone of Shattering. Highly chloritized, low-medium shattered basic rock. 5% quarts carbonate. 368.0 - Becoming relatively massive, but still highly chloritized. Probably part of a composite fault sone extending from 359.2-378.0.

	370.0
370.0	Volcanics, fine grained, relatively fresh, massive. 373.5
373.5	Fault Zone. Highly chloritized, shattered basic rock, core broken up. 2-3% quartz carbonate.
378.0	Volcanics. Fine grained, mottled and streaky appearance due to epidotization. Same as in bottom part of EB-6. First 10 feet mineralized with 1% chalcopyrite, 1-2% pyrite and slightly fractured, 2-3% narrow quartz carbonate stringers. Minor sulphides throughout. 487.0
487.0	End of Hole.

Natitus Miles

PROPERTY: Tribag Mining Co. Limited,

EB-15 HOLE NUMBER:

LOCATION:

Batchawana Bay, Ontario

DIP TESTS

Latitude:

1300S

Dip:

-60°

Footage

Reading

Departure:

6000E

Azimuth: - (Grid) due west

Depth:

479.01

Corrected

-59°, S74°W Pajari at 450'

Elevation:

Commenced: April 7,1964

Finished:

April 10,1964

logged by:

Matthew Blecha

SAMPLE NUMBER

#### DESCRIPTION

- 0.0 Casing 8.0
- 8.0 Mineralized Zone. 1-2% chalcopyrite, 1-2% pyrite, 1-2% pyrrhot.te in a highly fragmented zone, predominantly gabbroic, with 10% greyish felsitic fragments. Medium chloritization and sericitization and epidotization. First 12' oxidized and vuggy. Minor epidotization throughout.

76.0- 0.5' of 7-8% chalcopyrite.

- 76.5- Chloritization, sericitization and carbonatization decreases to low, rock gradually becomes more epidotized, distinctly gabbroic with 5-7% red felsitic fragments. 1% cpy., 1-2% pyrrhotite and pyrite.
- 110.0 Mineralized Zone, as at 8.0. Less than 1% chalcopyrite, 5% pyrrhotite and pyrite; gradual increase in chlorite and sericite; decrease in epidote; 10-15% grey felsitic fragments. Distinctly predominantly gabbroic. 125.2
- 125.2 Mineralized Zone. 1-2% chalcopyrite, 5% pyrrhotite and pyrite, in a highly fragmented zone. High patchy chloritization, sericitization and medium carbonatization. 10% grey felsitic fragments; 2-3% quartz carbonate. 180.3
- Felsite pale greenish brown, well banded at 80-90°c.n. Highly 180.3 sericitized. Locally, tuffaceous appearance, similar to rock encountered in EB-19 at 76.0. 187.7
- 187.7 Zone of fragmentation, low fragmentation, low alteration, fine grained, dark grey volc(?) host. 2-3% pyrite, 5% epidote. 190.5 - Highly fragmented, chloritized and sericitized. 1-2% chalcopyrite, 2-3% pyrite and pyrrhotite. Patchy appearance. Unrecognizable host. 195.0
- 195.0 Felsite, greyish brown, medium sericitized and fragmented. 196.0
- 196.0 Volcanics? Massive, fine grained, relatively fresh, dark grey. 197.5
- 197.5 Mineralized Zone. 2-3% chalcopyrite, 3-4% pyrite in a highly fragmented zone. High patchy chloritization, sericitization and carbonatization; locally evident gabbroic texture.

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

Tribag Hining Co. Limited

HOLE NUMBER: KB-15

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude:

13003

Dip:

Pajari at 4501 Reading -59°,574°%

Corrected

Departure:

30003

Depthi

Elevations

Commenced: April 7, 1964

NUMBER		DESCRIPTION
	0.0	Cuning 8.0
	8.0	Mineralized Zone. 1-2% chalcopyrite, 1-2% pyrite, 1-2% pyrrhotite in a highly fragmented zone, predominantly gabbroid with 10% greyich felsitic fragments. Medium chloritization and sericitisation and epidotization. First 12° oxidized and vagy. Minor epidotization throughout.  76.0 - 0.5° of 7-8% chalcopyrite.  76.5 - Chloritization, sericitization and carbonatization decreases to low, rock gradually becomes more epidotized, distinctly gabbrois, with 5-7% red felsitic fragments. 1% cpy., 1-2% pyrrhotite and pyrite.  110.0 - Kineralized Zone, as at 8.0. Less than 1% chalcopyrite,
	125.2	5% pyrrhotite and pyrite; gradual increase in chlorite and sericite; decrease in epidote; 10-15% grey felsitic fragments. Distinctly predominantly gabbroic. 125.2 Hineralized Zone. 1-2% chalcopyrite, 5% pyrrhotite and pyrite, in a highly fragmented zone. High patchy chloritisation, sericitisation and medium carbonatisation. 10% grey felsitic
	180.3	fragments: 2-3% quarts carbonate. 180.) Pelsite - pale greerish brown, well bunded at 80-90° c.n. Highly sericitized. Locally, tuffaceous appearance, similar to rock encountered in EB-19 at 76.0. 187.7
	187.7	Zone of fragmentation, low fragmentation, low alteration, fine grained, dark gray volc(?) host. 2-3% pyrite, 5% epidote. 190.5 - Highly fragmented, chloritized and sericitized. 1-2% chalcopyrite, 2-3% pyrite and pyrrhotite. Patchy appearance. Unrasognizable host. 195.0
	195.0	Pelsite, grayish brown, sedium seriditized and fragmented.
	196.0	Volumics? Hassive, fine grained, relatively fresh, Mark gray.
1	197.5	Mineralized Zone. 2-3% chalcopyrite, 3-4% pyrite in a highly fragmented zone. High patchy chloritization, sericitization

211.0	211.0 Shatter Zone(?) High "wet" type chloritization; core badly broken up; numerous striated slip planes; partly disintegrated rock. Probably a fault zone.
	1-2% chalcopyrite, 1-2% pyrite.
219.0	219.0 Mineralized Zone. High chloritization. 1-2% chalco- nymita. 1-2% pyrite. Medium patchy carbonatization.
	Medium fragmentation. Chalcopyrite concentrations around 235.0-236.0 (7-8%). Local "wet" type chloritization and occasional striated slip planes. Probably
	a continuation of the above fault zone. 249.0 - 4-55 sphalerite, in a highly sericitized
	fragmented, partly disintegrated, pale greenish grey roc 251.0 - 1% chalcopyrito, 1% sphalerite, in a slightly fragmented, medium chloritized, predominantly fine
	grained, basic rock.
253.8	253.8 Felsite - Pale, brownish green, highly sericitized, soft
27740	mineralized with 4-5% aphalerite. 3-4% pyrite. (15% pyrite at 257.0-258.5).
	- aga a calintantea minaralization incressans to 0°77.
	273.5 - High shatter and sericitization. 5% sphalerite.
275.5	Mineralized Zone. 1-2% chalcopyrite, 2-3% pyrite in a slightly fragmented, relatively slightly chloritized
	gabbroic rock. 281.5 - Becoming highly fragmented and chloritized. 1% chalsopyrite.
	nda a
283.3	Oreen Felsite - medium grained, pale yellowish green, porphyritic with 5-10% indistinct quarts phenocrysts. Same as in EB-20 at 35.0.
-0( 0	286.0 Zone of weak fragmentation. Basic fine grained host.
286.0	Medium chloritization; 2-3% fine quarts carbonate stringers. Highly brecciated near end.
290.5	290.5
290.5	292.5
292.5	Gabbro, diorite - relatively fresh and massive. Good dioritic texture. Less than 1% chalcopyrite along
	fractures.
	A walnessee from and magging. Leas than in
	chalcopyrite, 1% pyrite. Possibly volcanics: Minor epidotization and amphibolitization.
	332.5 Volcanics - (Andesite?) Fine grained, dark green, low
332.5	ablant+ination minor local fragmentation, moulum
	opidotization. Trace chalcopyrite, paverbashe or
	5% fine quartz carbonate stringers. Same as in bottom part of EB-6.

	350.5
350.5	Gabbro(?) Dark greenish grey, medium-fine grained "spotted" texture; massive, low chloritization. 361.7
361.7	Shear Zone. Highly chloritized, sheared 45° c.n., locally highly brecciated; contains a carbonate-rich zone from 362.5-363.0. Gabbroic host. 364.5
364,5	Gabbro, dioritic, medium grained, dioritic texture, massive, fresh, pinkish staining of feldspar constituents.
399.5	Volcanies, Andesite - Sharp upper contact at 90° c.n. Fine grained, dark greenish grey, locally weakly foliated at 60° c.n. Minor epidotization and local fragmentation. 1-2% quartz carbonate stringers. 435.5
435.5	Gabbro - Medium grained, dioritic texture, distinctly foliated at 45° c.n. Relatively fresh. 1% pyrite along fractures. 479.0
479.0	End of Hole.

Natileur Miles

PROFERTY: Tribag Mining Co. Limited

HOLE NUMBER:

EB-16

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude:

1300S

Dip: -65<sup>0</sup>

Footoge Pajari at 390' Reading.

Corrected

Departure: 5900E

Depth:

.

Depin:

Elevation:

Commenced:

April 12,1964

Azimuth:

330°

Finished:

April 16, 1964

logged by:

Matthew Blecha

SAMPLE NUMBER

#### DESCRIPTION

0.0 Casing 7.0

77.0

- 7.0 Zone of Fragmentation. Predominantly gabbroic material, with 20% pink felsitic fragments. Medium chloritization, epidotization and carbonatization. 1-2% pyrite, less than 0.5% cpy. 18.5 Fragmentation decreases to low, felsitic fragments decrease to 1-2%.
  22.0 Dioritic Gabbro medium epidotization. 2-3% disseminated pyrite.
  27.0 Zone of Fragmentation, as before, 5% pink felsitic fragments.
  29.0
- 29.0 Mineralized Zone. 2-3% chalcopyrite, 2-3% pyrrhotite and pyrite, trace MoS<sub>2</sub>, in a fragmented zone, as before. Medium chloritization, carbonatization, and enidotization. Predominantly gabbroic, with 5% felsitic fragments, locally highly sericitized. 52.5 Gabbro medium grained, relatively fresh and massive, "Spotty" texture due to darker colour of amphibole xals. Trace MoS<sub>2</sub> along fracture planes. 54.5 Mineralized Zone. 1-2% chalcopyrite, 2-3% pyrrhotite and pyrite in a highly fragmented zone. 5% acidic fragments. Medium chloritization and carbonatization, low-medium epidote. 60.0 Mineralized Zone, as above, but chalcopyrite decreases to trace.
- 77.0 Volcanics, Andesite greyish green, fine grained, locally well foliated at 55-60 c.n. Low chlorite, 2-3% epidote patches and streaks, 1-2% pyrite, increasing to 3-4% from 85.0 on. The zone contains a highly fragmented section from 77.8-78.2. 89.0
- 89.0 Mineralized Zone. 5-6% pyrrhotite and pyrite in a highly fragmented zone. Patchy high chloritization, sericitization and carbonatization. Unrecognizable host. 110.0
- 110.0 Felsite-Rhyolite(?) Pale, greenish brown, pseudoporphyritic, well banded at 80-90° c.n. Medium sericitization.
- 112.0 Zone of Low Fragmentatioun Almost massive, relatively fresh to low chloritized, fine grained, grey (volc?) host. 1% pyrite. 115.0
- 115.0 Mineralized Zone. 3-4% pyrite, trace chalcopyrite in a highly

PROPER : Tribag Mining Co. Limited

HOLE NUMBER: BB

EB-16

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude:

13003

Dip: -65\*

Pajari at 390

Reading

Corrected

Departure: 5

5900ä

Depth: 397.5

Elevation:

Commenced: April 12, 1964

Azimuth:

330°

Finished: April 16, 1964

Logged by: Hatthow Blacka

Azimu	ith:	Finished: APTIL IO, 1904 Logged by: MATCHOW Blocks
SAMPLE NUMBER		DESCRIPTION
	0.0	Casing 7.0
	7.0	Zone of Fragmentation. Predominantly gabbroic material, with 20% pink felsitic fragments. Hodium chloritisation, epidotisation and carbonatisation. 1-2% pyrite, less than 0.5% app. 18.5 - Pragmentation decreases to low, felsitic fragments decrease to 1-2%.
		22.0 - Dibritic Gabtro - medium epidotization. 2-3% disseminated pyrite. 27.0 - Zone of Pragmentation, as before, 5% pink felsitic fragments. 29.0
	29.0	Hineralised Cone. 2-3% chalcopyrite, 2-3% pyrrhetite and pyrite, trace HoS2, in a fragmented sone, as before. Hedium chloritis- ation, carbonatization, and epidetization. Prodominantly gabbroic, with 5% felsitic fragments, locally highly sericitized. 32.5 - Gabbro - medium grained, relatively frash and massive, spotty" texture due to darker colour of amphibole xals. Trace HoS2 slong fracture planes.
		54.5 - Kineralized Rone. 1-25 chalcopyrite, 2-35 pyrrhotite and pyrite in a highly fragmented some. 55 acidis fragments. Hedium chloritization and carbonatization, low-medium epidote. 60.0 - Kineralized Rone, as above, but chalcopyrite decreases to trace. 77.0
	77.0	Volcanics, Andesite - greyish green, fine grained, locally well foliated at 55-60° c.n. low chlorite, 2-3% epidote patches and streaks, 1-2% pyrite, increasing to 3-4% from 85.0 on. The zone contains a highly fragmented section from 77.8-78.2. 89.0
	89.0	Hinerelized Zone. 5-65 pyrrhotite and pyrite in a highly fragmented sone. Patchy high chloritization, sericitization and earbonatization. Unrecognizable host.
	110.0	Felsite-Rhyolite(?) Fale greenish brown, pseudeporphyritie, well banded at 80-90" c.n. Hodium sericitization.
	112.0	Zone of Low Pragmentation - Almost massive, relatively fresh to low chloritized, fine grained, grey (vole?) host. 12 pyrite. 115.0
	115.0	Hineralized Zono. 3-4% pyrite, trace shaloopyrite in a highly

- fragmented zone. High patchy chloritization, sericitization and carbonatization. Core partly broken up between 121.0-123.0.
- 135.0 Fault Zone. Highly chloritized, almost black rock, fragmented. Core badly broken up from 136.0-137.0.
  137.0 Lost core
  138.5 Highly fragmented zone high chlorite, sericite.
  Angular chloritic fragments (30%) in a pale greyish green, fragmented matrix.
  144.5 Zone of extreme pale green clayey alteration.
  Includes a 0.7' green relatively hard felsitic section at 145.0. Highly fractured. Core partly broken up.
  146.5
- 146.5 Zone of Fragmentation. Highly fragmented, chloritized and sericitized. Predominantly felsitic host. Mineralized with 5% pyrite, trace sphalerite.
  157.5 As above, but alteration increases to very intense. Chlorite, sericite and greenish-brown clayey alteration. Possibly still a part of the above fault zone. Highly shattered core, partly disintegrated from 162.5-163.0, 5-7% between 157.5-160.4.
  165.0 Fragmented Felsite alteration (sericite) decreases to low, but alteration still high. Chlorite and sericite; 1-2% pyrite.
  170.0
- 170.0 Zone of Shearing and Fragmentation. Distinctly foliated at 45-55 c.n. Highly chloritized and sericitized rock. Host unrecognizable, but probably predominantly felsitic. 2-3% pyrite, trace sphalerite. 173.0 Chloritization decreases, rock becomes pale greenish grey, still highly foliated and sericitized, predominantly felsitic. Minor local fragmentation. 190.0
- 190.0 Zone of Fragmentation. High fragmentation, high sericitization, medium carbonatization. Predominantly felsitic host, mineralized with 3-4% pyrite.

  193.0 As above, but high chloritization. Core partly broken up, around 194.5. 1-2% pyrite, less than 0.5% chalcopyrite.

  206.0 Fragmentation decreases to low. Host distinctly gabbroic. Low-medium chloritization and epidotization.

  1-2% pyrite.

  209.0
- 209.0 Gabbro Dark greenish grey, medium grained, massive, amphibole-rich. Low chlorite and epidote. 1-2% pyrite mostly along fracture planes. 1% chalcopyrite with minor local concentrations. Prominent red staining of feldspar constituents. 1-2% quartz carbonate stringers Mineralization mostly associated with epidotization. Note sphalerite at 246.0.

fragmented sone. High patchy chloritization, sericitization and carbonatization. Core partly broken up between 121.0-123.0.

135.0 -

- 135.0 Fault Zone. Highly chloritized, almost black rock, fragmented. Core badly broken up from 136.0-137.0.
  137.0 Lost core.
  138.5 Highly fragmented zone high chlorite, sericite.
  Angular chloritic fragments (30%) in a pale greyish green, fragmented matrix.
  144.5 Zone of extreme pale green clayey alteration.
  Includes a 0.7' green relatively hard felsitic sectionn at 145.0. Highly fractured. Core partly broken up.
  146.5
- Zone of Fragmentation. Highly fragmented, chloritised and sericitised. Predominantly felsitic host.

  Mineralized with 5% pyrite, trace sphalerite.

  157.5 As above, but alteration increases to very intense. Shlorite, sericite and greenish-brown clayey alteration. Possibly still a part of the above fault zone. Highly shattered core, partly disintegrated from 162.5-163.0, 5-7% between 157.5-160.4.

  165.0 Fragmented Pelsite alteration (sericite) decreases to medium-high; trace pyrite.

  166.7 Fragmentation decreases to low, but alteration still high. Chlorite and sericite; 1-2% pyrite.
- 200.0 Zone of Shearing and Fragmentation. Distinctly foliated at 45-55° c.n. Highly chloritized and sericitized rock. Host unrecognizable, but probably predominantly felsitic. 2-3% pyrite, trace sphalerite. 173.0 Chloritization decreases, rock becomes pale greenish gray, still highly foliated and sericitized, predominantly felsitic. Minor local fragmentation. 190.0
- 200.0 Zone of Pragmentation. High fragmentation, high sericitization, medium carbonatization. Predominantly felsitic host, mineralized with 3-4% pyrite.

  193.0 As above, but high chloritization. Core partly broken up, around 194.5. 1-2% pyrite, less than 0.5% chalcopyrite.

  206.0 Pragmentation decreases to low. Host distinctly gabbroic. Low-medium chloritization and epidotization. 1-2% pyrite.
- Og.O Gabbro Dark grounish gray, medium grained, massive, amphibole-rich. Low chlorite and epidote. 1-2% pyrite mostly along fracture planes. 1% chalcopyrite with minor local concentrations. Prominent red staining of feldspar constituents. 1-2% quartz carbonate stringers. Mineralization mostly associated with epidotization. Note sphalerite at 246.0.

273.0

- 273.0 Zone of Fragmentation mineralized with 2% chalcopyrite, 1-2% pyrite. Predominantly felsitic material, medium carbonatization 274.0
- 274.0 Zone of Foliation and Amphibolitization. High, but irregular foliation due to parallel orientation of amphibole needles, mostly at 70°-90° c.n. Minor epidotization and brown micaceous alteration. Similar to zone encountered in EB-5 at 265.0. Less than 1% cpy. 1-2% quartz carbonate. 307.5 Quartz vein, pale grey fractured quartz, barren, 308.5
- 308.5 Gabbro First one foot silicified and epidotized, becoming medium grained, fresh and massive. Locally dioritic, with minor red staining of feldspar constituents.
  315.5
- 315.5 Mineralized Zone. 4-5% chalcopyrite, 1-2% pyrite associated with high epidotization in a massive gabbro, as above. 316.1
- 316.1 Gabbro, as at 308.5.
  331.0 Medium chloritized and shattered, with 5% red carbonate.
  332.5 Gabbro, as at 308.0. Relatively fresh and massive.
  1% pyrite, 1% pink carbonate along fracture planes.
  Becoming dioritic near end, and slightly fragmented.
  352.5 Gabbro Dark grey, medium grained, massive and fresh, but different from the above gabbro. Characterized by "spotted" texture due to darker colour of amphibole xals.
  Cut by 2-3% fine quartz stringers. No mineralization.
  Upper contact fairly abrupt, lower contact epidotized.
- 377.3 Volcanics dark green, fine grained, locally distinctly foliated at 50° c.n. 5-7% epidote stringers, and 2-3% reddish feldspathic patches and streaks. 1-2% quartz carbonate stringers. 1% pyrite, trace MoS<sub>2</sub>. Note 0.7' fractured quartz vein at 393.0.
- 397.5 End of Hole.

## DESCRIPTION

	273.0
273.0	Zone of Fragmentation - mineralized with 2% chalcopyrite, 1-2% pyrite. Predominantly felsitic material, medium carbonatization. 274.0
274.0	Zone of Polistion and Amphibolitization. High, but
	irregular foliation due to parallel orientation of amphibole needles, mostly at 70°-90° c.n. Minor epidotization and brown micaceous alteration. Similar to zone encountered in EB-5 at 265.0. Less than 1% cpy. 1-2% quartz carbonate.  307.5 - Quartz vein, pale grey fractured quartz, barren.
308.5	Gabbro - First one foot silicified and epidotized,
J00 <b>6</b> J	becoming medium grained, fresh and massive. Locally dioritic, with minor red staining of feldspar constituents 315.5
315.5	Mineralized Zone. 4-5% chalcopyrite, 1-2% pyrite
	associated with high epidotization in a mussive gabbro,
	as above. 316.1
316.1	Gabbro, as at 308.5.
72	331.0 - Gubbro - medium chloritized and shattered, with 5% red carbonate.
	332.5 - Gabbro, as at 308.0. Relatively fresh and
	massive. 15 pyrite, 15 pink carbonate along fracture
	planes. Becoming dioritic near end, and slightly fragmented.
	352.5 - Gabbro - Dark grey, medium grained, massive and
	fresh, but different from the above gabbro. Characterized
	by "spotted" texture due to darker colour of amphibole xale. Cut by 2-3% fine quartz stringers. No mineraliza-
	tion. Upper contact fairly abrupt, lower contact
	spidotized.
377.3	377.3
211.0	Volcanics - dark green, fine grained, locally distinctly foliated at 50° c.n. 5-74 epidote stringers, and 2-36
	foliated at 50° c.n. 5-7% epidote stringers, and 2-3% reddish feldspathic patches and streaks. 1-2% quarts
	carbonatu stringers. 1% pyrite, trace MoSo. Note 0.7
	fractured quartz vein at 393.0.
397.5	End of Hole.
	and the state of

Palitim Mielie

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: EB-17

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude:

1300S

Dip: -65°

Footage

Reading

Corrected

Departure: 6100E

Depth: 546.51

Elevation:

Commenced: April 17, 1964

Azimuth: 330°

Finished: April 20, 1964

logged by: Matthew Blecha

SAMPLE

DISCRIPTION

0.0 Casing 12.0

of fragmentation.

12.0

0.5% chalcopyrite, trace MoS<sub>2</sub> in a highly altered, highly fragmented zone, as in EB-2. Patchy, pale grey, highly sericitized, carbonatized and chloritized rock. Unrecognizable host, probably gabbroic. First 5 feet oxidized and vuggy. 10% pink acidic fragments in first 10 feet. Locally evident gabbroic texture. 143.5 - Dyke? Dark grey, almost black, very fine grained, hard, cherty. Trace pyrite, chalcopyrite, massive. 151.0 - Mineralized Zone, as at 12.0. 5-7% pyrite, 2-3% pyrrhotite, trace chalcopyrite and MoS<sub>2</sub>, probably gabbroic host. 165.5 - Green Dyke, fine grained, sugary texture, highly sericitized, relatively massive. Trace pyrite. 168.0 - Mineralized Zone, as before. 1-2% chalcopyrite, 2-3% pyrrhotite, 1-2% pyrite, with local concentrations. Alteration remains high, as at 12.0. Occasional striated slip planes. Note pale yellowish-green highly sericitized phases at 185.3-186.5 and 188.7-189.5. From 175.5 on chalcopyrite gradually decreases to 1%. Gabbroic texture locally evident. 215.0 - As above, but rock mainly highly chloritic ("wet"-type chloritization) 216.5 - Fragmented Zone. Alteration remains high. 2-3% pyrite,

pyrrhotite, trace chalcopyrite. Gradual decrease in degree

Mineralized Zone. 3-4% pyrrhotite, 304% pyrite, less than

- 224.0

  224.0

  Gabbro Dark grey, almost black, medium grained, relatively massive, except for first few feet, which are still slightly fragmented. Low chlorite, locally "spotted" texture due to darker amphibole xals. 3-4% epidote, trace chalcopyrite, 1% pyrite. Fragment change of grain size from medium to fine. 258.0
- 258.0 Mineralized Zone. 1-2% chalcopyrite, 2-3% pyrrhotite, 3-4% pyrite, trace MoS<sub>2</sub> in a patchy, medium chloritzed, sericitized and carbonatized rock.

PROPER :: Tribag Mining Co. Limited

HOLE NUMBER: KB-17

LOCATION: Batchawana Bay, Onterio

DIP TESTS

Latitude:

13005

Dip: -65\*

Footage

Reading

Corrected

Departure: 6100K

Depth: 546.5

Elevation:

Commenced: April 17, 1964

Azimutha	330°	Finished: April 20, 1964 Logged by: Katthew Blocha
AMPLE UMBER		DESCRIPTION
	0.0	Casing 12.0
	12.0	Mineralised Zone. 3-4% pyrrhotite, 3-4% pyrite, less than 0.5% chalcopyrite, trace MoS2 in a highly altered, highly fragmented mene, as in KB-2. Patchy, pale grey, highly scricitised, carbonatised and chloritised rock. Unrecognisable hoat, probably gabbroic. First 5 feet oxidised and vuggy. 10% pink acidic fragments in first 10 feet. Locally evident gabbroic texture.  143.5 - Dyke? Darkgrey, almost black, very fine grained, hard, cherty. Trace pyrite, chalcopyrite, massive.  151.0 - Mineralised Zone, as at 12.0. 5-7% pyrite, 2-3% pyrrhotite, trace chalcopyrite and MoS2p probably gabbroic host.  165.5 - Green Dyke, fine grained, sugary texture, highly sericitised, relatively massive. Trace pyrite.  166.0 - Mineralised Zone, as before. 1-2% chalcopyrite, 2-3% pyrrhotite, 1-2% pyrite, with local concentrations. Alteration remains high, as at 12.0. Occasional striated slip planes. Hote pale yellowish-green highly sericitised phases at 165.3-166.5 and 180.7-189.5, From 175.5 on chalcopyrite grodually decreases to 1%. Gabbroic texture locally evident.  215.0 - As above, but rock mainly highly chloritie ("wet"-type chloritization)
		216.5 - Fragmented Zone. Alteration remains high. 2-3% pyrite, pyrrhotite, trace chalcopyrite. Gradual decrease in degree of fragmentation.
	224,0	224.0 Gabbro - Dark grey, almost black, medium grained, relatively massive, except for first few feet, which are still slightly fragmented. Low chlorite, locally "spotted" texture due to darker amphibole xals. 3-4% epidote, trace chalcopyrite, 1% pyrite. Fragment change of grain size from medium to fine. 258.0
	258.0	Mineralised Zone. 1-2% chalcopyrite, 2-3% pyrrhotite, 3-4% pyrite, trace Ho52 in a patchy, medium chloritised, sericitised and carbonatised rock.

		275.0 - As above, but pyrite increases to 10%-15%. 280.0 - Mineralized Zone, pyrite 1%, pyrrhotite 1-2%, medium epidotization. 283.5
	283.5	Dyke - dark grey to black, fine grained, cherty, massive. 3-4% epidote, trace pyrite. 295.0
	295.0	Mineralized Zone. 5-7% pyrite, in a medium-highly chloritized and carbonatized, patchy, fragmented rock. 298.0 - Pyrite decreases to 2-3%. 307.0
	307.0	Zone of Weak Pragmentation. Dark grey, fine-medium grained host (gabbro-volc?), high epidotization (10-15%), medium chloritization; 1-2% pyrite with local concentrations. Epidote gives rock a "patchy" appearance. Probably gabbro. 330.5
	330.5	Mineralized Zone. 4-5% chalcopyrite, 20% epidote, low-medium chloritization of a dark grey - black (gabbroic?) host, as above. 340.0
	340.0	Mineralized Zone. Less than 0.5% chalcopyrite, 1-2% pyrite, in a fragmented patchy rock. Medium chloritisation and brown micaceous alteration. Trace MoS <sub>2</sub> . 360.0
	360.0	Zone of Weak Fragmentation. Fine grained, dark grey to black host (gabbroic?), highly chloritized, locally epidotized, 365.0
	365.0	Fault? High "wet"-type chloritisation, high, irregular shearing. Core broken up. No mineralisation. Numerous striated slip planes. 367.5
	367.5	Oabbro - Medium grained, relatively massive, medium-high chloritized, mineralized with 2-3% finely disseminated pyrite. Minor epidote. 2-3% quartz carbonate, trace MoS2. 372.0
	372.0	Nineralized Zone. 7-8% pyrite, less than 1% chalcopyrite in a medium fragmented, gabbroic zone. Nedium-high chloritization. 5-7% greenish brown sericitized felsitic fragments. 381.0
!	381.0	Zone of Pragmentation. Predominantly yellowish-green, medium-highly sericitized felsitic material. Less than 1% pyrrhotite and pyrite.  386.0 - Gradually becoming predominantly gabbroic.  Medium chloritization and brown micaceous alteration.  3-4% pyrite.  391.0
i I	392.0	Gabbro - Relatively massive, spotty texture, due to dark stubby amphibole crystals. 3-4% epidote, medium chloritisation, 1% sulphides. Minor local fragmentation.

398.0	398.0 Volcanics, Andesite(?) Dark green, fine grained, relatively massive, low chloritization, cut by 2-3% epidote, 2-3% quarts carbonate stringers, and mineralized with 2-3% pyrite along fractures. 406.0
406.0	Shatter Zone. Low shatter first, increasing to high at 408.5. High chloritization, and sericitization(?). 15% quartz carbonate. Unrecognizable fine grained basic host. Core partly broken up, from 412.5-413.5, with numerous stricted slip planes. Most probably a fault zone. From 412.5 colour of rock changes to brown, possibly due to change of host rock to felsite. 418.2
418.2	Gabbro - Fine-medium grained, highly chloritized, relatively massive. 419.0
419.0	Mineralized Zone. 7-8% chalcopyrite, 5% pyrite disseminated in irregular streaks at 70-80° c.n. Medium chloritization and carbonatization in a fragmented, predominantly basic (gabbroic?) zone. Note 25% reddish quartzite-like angular fragments (possibly deformed garrets? - See specimen 423.5?) 422.5 - Mineralization decreases to 1% pyrite, trace chalcopyrite.
427.0	Volcanics (Andesite) Greyish green, fine grained; 10% epidote and pale green alteration, giving it a streaky and mottled appearance. Identical rock to that encountered in the lower part of EB-6. Locally foliated at 35-40° c.n. Note 2-3% scattered epidote pseudo-amygdules (1/2-1 in.). 1-2% quarts carbonate stringers, trace pyrite and chalcopyrite.
505.5	Oabbro - Medium grained, massive, relatively fresh, dark green, "spotted" lexture. 1-2% quarts streaks, 2-3% epidote. Upper contact indistinct. Lower sharp at 30° c.n. 518.3
518.3	Volcanics, as before. Note fine-medium grained gabbroic dyke or sill from 519.8-521.8. 546.5
546.5	End of Hole.

Natiliew Miles

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: EB-18

LOCATION:

Batchawana Bay, Ontario

DIP TESTS

Latitude:

1300S

Dip: -65<sup>0</sup>

Footoge Re

Reading Co

Corrected

Departure:

6200E

Depth: 570.3

Elevation:

Commenced: April 21, 1964

Azimuth:

330°

Finished: April 24, 1964

Logged by: M.Blecha

SAMPLE

#### DESCRIPTION

0.0 Casing 6.0

- 6.0 Highly fragmented mineralized zone. Pale greyish green, "patchy" rock; medium sericitized, chloritized and carbonatized; unrecognizable basic host, with 1% reddish acidic fragments. Mineralized with 2-3% pyrite, 1-2% pyrrhotite, less than 1% chalcopyrite, trace MoS<sub>2</sub>, 5-7% epidote. First 5 feet rusty and vuggy, due to surface leaching. Zone is interrupted by or cut by 5% dark grey, fresh, massive, fine grained to aphanitic dykelets (or volcanic material) from 31.2-32.0, 47.9-55.0, 76.5-87.3. These dykelets are weakly mineralized with 1-2% pyrite, and are cut by 2-3% epidote stringers and patches. Total quartz less than 5%. 87.3 - Fragmented, mineralized zone, as above, but the host is clearly gabbroic, locally dioritic. The zone contains massive, relatively fresh gabbroic sections from 99.0-102.5, 119.8-124.0. Mineralization gradually increases to 3-4% pyrrhotite, 2-3% pyritc, less than 1% chalcopyrite, trace MoS<sub>2</sub> quartz 3-4%. 188.5
- 188.5 Gabbro Dark green, medium grained, relatively fresh and massive; 5-6% epidote stringers and patches; mineralized with 2-3% finely disseminated pyrite, less than 0.5% chalcopyrite. Minor local fragmentation. Note 2" felsitic inclusion at 203.5, and a highly epidotized zone at 216.0-218.0. 221.5
- Zone of fragmentation. Gabbroic host, low chlorite, medium carbonatization and epidotization. 3-4% pyrite, less than 1% chalcopyrite. The zone contains a few, short, massive, gabbroic sections. Note fractured, pale pink felsitic inclusion at 237.0-238.0.
- 239.5 Zone of Foliation. Distinctly foliated (55°c.n.) amphibolerich gabbroic rock, locally slightly fragmented. Foliation is due to parallel orientation of amphibole crystals, and locally high brown micaceous alteration. Similar to the amphibolitized zone encountered in D.D.H. EB-5. 1% sulphides. Dip of foliation gradually changes to 70-80°c.n.

PUPLICATE COPY
FOOR QUALITY ORIGINAL
TO FOLLOW

# DIAMOND DRILL LOG

Tribug Mining Co. Linicod PROPE. .:

HOLE NUMBER: EB-18

Corrected

LOCATION:

Batchavana lisy, Onterio

**DIP TESTS** 

Latitude:

13000

Dip: -65.

Footage

Reading

Departure:

6200E

Depth: 570.3

Elevation:

Commenced: April 21, 1964

Azimuth:

330

Finished: Apr11 24. 1964

DESCRIPTION

Logged by:

rujari at 500.01 - 3381, -631

M. Blecha

SAMPLE

0.0 Chaing 6.0

- 6.0 Highly fragmented mineralised none. Pale grayish green, "patchy" rock; medium sericitized, chloritized and carbon-tized; unrecognizable basic host, with 15 reddish scidio gragments. Minoralised with 2-3% pyrite, 1-2% pyrrhotie, less than 1% chalcopyrite, trace Mo2, 5-7% epidote. First 5 feet rusty and vuggy, due to surface leaching. Zone is interrupted by or cut by 5% dark grey, fresh, massive, fine grained to aphanitie dykelets (or volunnic material) from 31.2-32.0, 47.9-55.0, 76.5-87.3. These dykelets are weakly mineralized with 1-2% pyrite, and are cut by 2-3% epidote stringers and patches. Total querts less than 5%. \$7.3 - Fragmented, mineralized mone, as above, but the host is electly gabbroid, locally dioritic. The mone contains massive, relatively fresh gabbroic sections from 99.0-102.5. 119.8-124.0. Hineralization gradually increases to 3-45 pyrrhotite, 2-3% pyrite, less than 1% chalcopyrite, trece No52. quarts 3-4%. 188.5
- 188.5 Cabbro - Dark green, medium grained, relatively fresh and massive; 5-6% epidote stringers and patches; mineralized with 2-3% finaly disseminated pyrite, less than 0.5% chalcopyrite . Minor local fragmentation. Note 2ª felsitic inclusion at 203.5, and a highly epidotized some at 216.0-218.0. 221.5
- 221.5 Zone of fragmentation. Cabbroic host, low chlorite, medium carbonatization and epidotization. 3-4% pyrite, less than 1% chalcop yrite. The some contains a few, short, passive, gabbroic sections. Hote fractured, pale pink felsitio inclusion at 237.0-238.0. 239.5
- 239.5 Zone of Polistion. Distinctly foliated (35° c.n.), emphibolerich gabbroic rock, locally slightly fragmented. Poliation is due to parallel orientation of amphibole crystals, and locally high brown micaceous alteration. Similar to the amphibolitised zone encountered in D.B.H. EB-5. In sulphides. Dip of foliation gradually changes to 70-80° o.n.

- 253.0
- Volcanics(?)-Gabbro(?) Fine grained to aphanitic, dark grey-black, relatively massive, hard rock, locally fragmented, similar to "dykes" described at 6.0'. Local indistinct foliation (50-70°c.n.) and amphibolitization. 1-2% finely disseminated pyrite, trace chalcopyrite, trace MoS<sub>2</sub> along fracture planes. Low-medium brown micaceous alteration. 265.0
- 265.0 Zone of Fragmentation and Mineralization. Patchy, medium chloritized, sericitized, low carbonatization. Mineralized with 4-5% pyrite, less than 0.5% chalcopyrite, 5-7% epidote, 3-4% quartz. Gabbroic host. 271.0
- 271.0 Gabbro. Reddish green, due to red staining of feldspar constituents, medium epidotized, consisting of 50% feldspar, 50% mafics. Massive, low chlorite, 1-2% pyrite, trace chalcopyrite, less than 1% pyrrhotite.

  300.0 Epidotization and mineralization gradually increases to 3-4% pyrite, 2-3% pyrrhotite, less than 1% chalcopyrite, trace MoS<sub>2</sub>. Medium carbonatization, minor local fragmentation. In places, high epidotization obscures gabbroic texture. Gradually becoming finer grained.

  343.0 Gabbro An abrupt increase in grain size to medium-coarse. Massive, low chlorite, low-medium epidotization. 1-2% pyrite, trace chalcopyrite.

  356.0 Gabbro(?) Abruptly becoming fine grained.
- 362.0 Zone of Low Fragmentatiuon. Dark grey, fine grained basic host, hard, relatively fresh. Contains 5-7% reddish grey, cherty acidic fragments. Less than 2% epidote, 1% pyrite, trace chalcopyrite and MoS<sub>2</sub>. 370.0
- 370.0 Gabbro-Volc(?) Dark grey, almost black, fine grained, similar to "dykes" described at 6.0'. Slightly fractured, and mineralized with 1-2% pyrite along fracture planes. Gradually becoming slightly coarser, gabbroic. 385.4
- 385.4 Quartz-Carbonate Vein. Fractured, with 15-20% basic inclusions and fragments. Mineralized with chalcopyrite, pyrite near lower contact. 387.5
- 387.5 Volcanics-Andesite(?) Fine grained, green, locally slightly fragmented; distinct tuffaceous(?) banding at 30-40 c.n., accentuated by brown micaceous alteration. Cut by a fine network of epidote stringers, and associated pale green alteration. 1% pink, felsitic material (fragments?) aligned parallel to banding. 1% pyrite. 409.8
- 409.8 Felsophyre Dyke (Rhyolite-Porphyry?). Pinkish brown rock, consisting of 10-15% white rounded quartz phenocrysts (1-3mm) in an aphanitic matrix. Sharp upper contact at 15° c.n., lower at 20° c.n. Trace pyrite.

POOR QUALITY ORIGINAL TO FOLLOW

	DESCRIPTION
	253.0
253.0	Volcanics(?)-Gabbro(?) Fine grained to aphanitic,
~,,,,,	dark grey-black, relatively massive, hard rock,
	locally fragmented, similar to "dykes" described at
	6.0'. Local indistinct foliation (50-70° c.n.) and
	amphibolitization. 1-2% finely disseminated pyrite,
	trace chalcopyrite, trace NoS2 along fracture planes.
	Low-medium brown micaceous alteration.
	265.0
265.0	Zone of Fragmentation and Mineralization. Patchy,
	medium chloritized, sericitized, low carbonatization.
	Mineralized with 4-5% pyrite, less than 0.5% chalcopyrite.
	>-7% epidote, 3-4% quartz. Gabbroic host.
000 0	271.0
271.0	Gabbro. Reddish green, due to red staining of feldspar
	constituents, medium epidotized, consisting of 50% feldspar, 50% marics. Massive, low chlorite.
	relaspar, 50% marics. Massive, low chlorite,
	1-2% pyrite, trace chalcopyrite, less than 1% pyrrhotite. 300.0 - Epidotization and mineralization gradually
i	increases to 3-12 purity 2 20 number 2 20 number 2
	increases to 3-4% pyrite, 2-3% pyrrhotite, less than 1% chalcopyrite, trace MoS2. Medium carbonatization,
	minor local fragmentation. In places, high epidotization
	obscures gabbroic texture. Gradually becoming finer
	grained.
	343.0 - Gabbro - An abrupt increase in grain size to
	medium-coarse. Massive, low chlorits, low-medium
	opidotization. 1-2% pyrite, trace chalcopyrite.
	356.0 - Gabbro(?) Abruptly becoming fine grained.
2/2 2	362.0
362.0	Zone of Low Fragmentation. Dark grey, fine grained
	basic host, hard, relatively fresh. Contains 5-7%
	raddish gray, charty acidic fragments. Laus than 2%
	epidote, 1% pyrite, trace chalcopyrite and MoS2.
370.0	
370.0	Gabbro-Vole(?) Dark grey, almost black, fine grained,
]	similar to "dykes" described at 6.01. Slightly fractured, and mineralized with 1-2, pyrite along
	fracture planes. Gradually becoming slightly coarser,
	gabbroic.
	385.4
385.4	Quartz-Carbonate Vein. Fractured, with 15-20% basic
	inclusions and fragmonts. Mineralized with chalcopyrite,
	pyrite near lower contact.
	387.5
387.5	Volcanics-Andesite(?) Fine grained, green, locally
	slightly fragmented; distinct tuffaceous(?) banding at
	30-40° c.n., accentuated by brown micaceous alteration.
	Cut by a fine network of epidote stringers, and associated pale green alteration. 1% pink, felsitic material
	pare green alteration. 1% pink, felsitic material
	(irakmenter) alikned parallel to banding. 1% pyrite.
409.8	409.8 Releashyra Daka (Physician Berghama) Bankah haran mada
409.0	Felsophyre Dyke (Rhyolite-Porphyry?). Pinkish brown rock,
1	consisting of 10-15% white rounded quartz phenocrysts (1-3 mm) in an aphanitic matrix. Sharp upper contact
	at 15° c.n., lower at 20° c.n. Trace pyrite.
	> comes round on to come trada batrana.

- 414.4
- 414.4 Volcanics, as at 387.5 Minor fragmentation at 415.5-416.5. Becoming slightly coarser, and amphibolitized near lower contact.
  425.6
- 425.6 Gabbro Dark greyish green, medium-coarse grained, relatively massive and fresh. The rock is characterized by "spotted" appearance, due to 25-30% prismatic amphibole crystals (3-4 mm.) which are slightly darker than the matrix. 1-2% fine quartz stringers, trace pyrite, minor epidote. Gradually becoming fine-medium grained near lower contact.

  470.5
- 470.5 Volcanics, Andesite(?), as before. Indistinct upper contact, weakly mineralized with pyrite. Mottled with pale green alteration. Indistinctly foliated in places. 3-4% epidote. 482.5
- Zone of Amphibolitization and Foliation. Medium-coarse grained rock, consisting of 50% amphibole needles  $(1 \times 5\text{-}7\text{mm}.)$  showing sub-parallel orientation at  $50^{\circ}$  c.n. 485.0
- 485.0 Fault Zone. Highly chloritized, sheared (60° c.n.) and shattered basic rock, cut by 5-7% reddish carbonate stringers.

  486.5 Becoming relatively fresh and massive, weakly amphibolitized and foliated at 60° c.n. Distinctly gabbroic.

  495.0 High shearing at 60° c.n., high chloritization and local shattering, high carbonatization. 15% irregular white carbonate stringers. 1-2% pyrite.

  500.0
- Volcanics, Andesite(?), as at 470.5. First three feet mineralized with 2-3% pyrrhotite and pyrite. Cut by 10-15% epidote stringers and patches which give the rock a mottled appearance. Not minor irregular flow structures. Trace MoS<sub>2</sub> along fractures. 540.0 Becoming slightly coarser gtained, and weakly amphibolitized. Decrease in epidote to 2-3%. 547.7 Quartz vein, pale grey, fractured, trace cpy. 548.3
- Volcanics, Andesite(?), as at 500.0 Note: these volcanics are identical to those encountered in the lower part of D.D.H. EB-6. 570.3
- 570.3 End of Hole.

POOR QUALITY ORIGINAL TO FOLLOW

		414.4
	414.4	Volcanics, as at 387.5. Hinor fragmentation at 415.5 -
	4444	416.5. Becoming slightly coarser, and amphibolitized
		hear lower contact.
		425.6
١	105 6	
l	425.6	Gabbro - Dark greyish green, medium-coarse grained,
		relatively massive and fresh. The rock is characterized
l		by "spotted" appearance, due to 25-30% prismatic
l		amphibole crystals (3-4 mm.) which are slightly darker
l		than the matrix. 1-2% fine quartz stringers, trace
ı		pyrite, minor epidote. Gradually becoming fine-medium
l		grained near lower contact.
ļ		470.5
Ì	470.5	Volcanics, Andesite(?), as before. Indistinct upper
Ì		contact, weakly mineralized with pyrite. Mottled with
١		pale green alteration. Indistinctly foliated in places.
l		3-4% epidote.
ĺ		482.5
Ì	482.5	Zone of Amphibolitization and Moliation. Medium-coarse
I		grained rock, consisting of 50% amphibols needles
l		(1 x 5-7 mm.) showing sub-parallel orientation at 50° c.n.
I		485.0
١	485.0	Pault Zone. Highly chloritized, sheared (60° c.n.) and
۱		shattered basic rock, cut by 5-7% reddish carbonate
l		stringers.
l		486.5 - Becoming relatively fresh and massive, wankly
İ		amphibolitized and foliated at 60° c.m. Distinctly
١		gabbfoic.
ı		495.0 - High shearing at 60° c.n., high chloritization
		and local shattering, high carbonatization. 15%
١		irregular white carbonate stringers, 1-2% pyrite.
		500.0
	500.0	Volcanics, Andevite(?), as at 470.5. First three feet
1		mineralized with 2-3% pyrrhotite and pyrite. Cut by
		19-15% epidone stringers and patches which give the
		rock a mottled appearance. Note minor irregular flow
		structures, Truce NoS, along fractures.
i		540.0 - Becoming slightly coarser grained, and weakly
	l I	amphibolitized. Decrease in epidote to 2-3%.
	ļ	547.7 - Quartz vein, pale gray, fractured, trace cpy.
1		54.8.3
	548.3	Vohcanics, Andesita(?), as At 500.0.
	1	Note: these volcanics are identical to those encountered
	<b>\</b>	in the lower part of D. H. EB-6.
		570.3
	570.3	End of Hole.

Natilea Mieles

## DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER: EB-19

LOCATION:

Batchawana Bay, Ontario

DIP TESTS

Latitude:

1139.75S

-90° Dip:

Reading Correcte -87°, N34°W, Pajari) Footoge (at 500':

Departure:

6104.59E

Dopth: 558.3

Elevation:

Commenced:

April 27, 1964

Azimuth

Finished:

May 2, 1964

Logged by:

M.Blecha

SAMPLE HUMBER

#### DESCRIPTION

- 0.0 Casing 20.0
- 20.0 Zone of Fragmentation and Mineralization. Patchy, pale grey, soft rock, medium-highly chloritized, sericitized and carbonatized. Mineralized with 5-7% pyrite, trace chalcopyrite. First five feet vuggy, and oxidized. 32.5 - Fragmentation, Mineralization and Alteration decreases to low, rock becomes epidotized (5-7%), locally distinctly gabbroic, dark grey, fine-medium grained; 1-2% pyrite; mottled appearance, due to epidotization. 50.0 - Alteration increases to medium, mainly brown, micaceous. 3-4% very finely disseminated pyrrhotite. 52.3
- Zone of Sericitization. Pale, yellowish green, very soft, crumbly rock, highly sericitized. 1-2% disseminated pyrite; less than 1% blobs of sphalerite. Identical to that encountered in EB-8 at 500.0, and EB-4 at 230.0. Probably a highly altered acidic dyke? Contains a 0.7' section of grey fractured rock at 53.4. 69.0
- 69.0 Zone of Fragmentation. Pale grey, patchy, highly chloritized sericitized and carbonatized rock. Mineralized with 1-2% pyrite, pyrrhotite, trace chalcopyrite. Locally epidotized. 74.4 - Carbonate Vein, parallel to core. 75.0 - As at 69.0, but locally cherty appearance.
- Well banded (45-60° c.n.), grey, cherty rock; 76.0 irregular pinkish grey and grey bands, 1-5 mm., fractured and mineralized with 1-2% pyrite, trace chalcopyrite and MoS<sub>2</sub>. Very similar to rock encountered in EB-5 at 51.8, but banding not as well defined.
- 94.7 Felsite, pale pinkish brown, fractured and locally fragmented, with 10% dark grey inclusions. 100.0 - Becoming grey, cherty with minor pinkish phases. Fractured, locally fragmented. 1% pyrite. Irregular, silicified lower contact. Sheared at 60° c.n. at 106.5-107.5.

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

# DIAMOND DRILL LOG

Tribag Hining Co. Limited PROPE.

HOLE NUMBER:

£3-19

LOCATION:

Batchawana Bay, Ontario

DIP TESTS

Latitude:

1139.758

Dip: -90.

Footage Reading Correcte
(at 500 1 -37 , H34 4, Pajari)

Corrected

Departure:

6104.598

Depth: 558.3

Elevation:

Commenced: April 27, 1964

Azimuth

1961

Azimuth:		Finished: Kay 2, 1964 Logged by: N. Blecha
SAMPLE NUMBER	angan an arawan sakad manan pananah ta dan	DESCRIPTION
	0.0	Casing 20.0
	20.0	Zone of Pragmentation and Mineralization. Patchy, pale grey, soft rock, wediwn-highly chloritised, sericitized and carbonatized. Hineralized with 5-7% pyrite, trace chalcopyrite. First five feat vuggy, and exidized.  32.5 - Pragmentation, Mineralization and Alteration decreases to low, rock becomes epidotized (5-7%), locally distinctly gabbroic, dark grey, fine-medium grained; 1-2% pyrite; mottled appearance, due to epidotization.  50.0 - Alteration increases to madium, mainly brown, micaceous.  3-4% very finely disagninated pyrrhotite.
	52.3	52.3  Zone of Sericitization. Pale, yellowish green, very soft, gruenly rock, highly sericitized. 1-25 disseminated pyrite; less than 15 blobs of sphalerite. Identical to that encountered in RB-8 at 500.0, and EB-4 at 230.0. Probably a highly altered acidic dyke? Contains a 0.7° section of grey
	69.0	fractured rook at 53.4. 69.0 Zone of Fragmentation. Pale groy, patchy, highly chloritized, sericitized and carbonatized rook. Kineralized with 1-2% pyrite, pyrrhotite, trace chalcopyrite. Locally epidotized. 74.4 - Carbonate Vein, parallel to core. 75.0 - As at 69.0, but locally cherty appearance.
	76.0	76.0 Tuff? Well banded (45-60° c.n.), grey, cherty rock; irregular pinkish grey and grey bands, 1-5 mm., fractured and mineralized with 1-2% pyrite, trace chalcopyrite and HoSo. Very similar to rock encountered in EB-5 at 51.8, but banding not as well defined.
	94.7	94.7 Felsite, pale pinkish brown, fractured and locally fragmented, with 10% dark grey inclusions. 100.0 - Becoming grey, chorty with minor pinkish phases. Fractured, locally fragmented. 1% pyrite. Irregular, silicified lower contact. Choured at 60° c.n. at 106.5-107.5.

- 116.0
- 116.0 Gabbro. Medium grained, massive, reddish green, due to red staining of feldspar constituents and medium epidotization. 50% feldspar. Minor local fragmentation. Trace pyrite. 146.5
- 146.5 Zone of Foliation. Siliceous, well banded (45-60°c.n.) rock, probably a contact zone. Medium brown micaceous alteration. Trace sulphides.
- 151.0 Gabbro Different from that described at 116.0. Darkgrey, fine-medium grained, amphibole-rich. "Spotted" texture due to slightly darker colour of amphibole constituents. Massive except for few minor foliated zones. Cut by 1-2% pinkish carbonate stringers. Note medium chloritized, hematite-stained, foliated (65° c.n.) zone from 154.7-156.5, with minir secondary quartz carbonate. Note 1.0' fragmented, epidotized zone at 200.2-201.2.
- 224.0 Zone of Foliation and Amphibolitization. Distinct foliation due to parallel orientation of amphibole needles, mainly at 60-70° c.n. Gradual change in texture to medium-coarse grained. Gabbroic in composition, but locally almost an amphibolite. Minor hematite staining. 2-3% quartz carbonate stringers. 241.5
- 241.5 Gabbro. An abrupt ending of foliation. Dark grey, medium grained, well developed, "spotted" texture, (same as in EB-18 at 425.6) massive, except for few minor foliated zones. 2-3% epidote stringers, 1% carbonate. 283.3 Mineralized Zone. 5% pyrite, trace chalcopyrite, in a silicified, epidotized, irregularly foliated amphibole-rich gabbro. 285.5 As at 241.5. Increase in epidote stringers and patches to 3-4%. The epidotized zones are commonly weakly mineralized with pyrite, trace chalcopyrite. Note highly epidotized zones at 312.5-315.0 and 316.7 to 317.7. Minor fragmentation with red felsitic fragments at 321.5. 323.5 Gabbro, as at 241.5. Massive, epidote 5%. 336.0
- 336.0 Zone of Foliation and Amphibolitization. Well developed foliation at 70 c.n., gradually changing to 90 c.n. Minor epidote. 341.5
- 341.5 Gabbro, as before, medium grained, massive. 3-5% epidote. 348.5 Zone of Alteration. High chloritzation and carbonatization. Mineralized with 3-4% pyrite, 1% cpy. 358.0 Gabbro, as at 341.5. 362.5
- 362.5 Shear Zone. Highly sheared (80-90° c.n.), highly chloritized, amphibole-rich, zone, locally shattered, and invaded by 10% white carbonate. Numerous striated slip planes with minor development of serpentine. Probably a major fault.

POOR QUALITY ORIGINAL TO FOLLOW

	116.0
116.0	Gabbro. Medium grained, massive, reddish green, due to
	red staining of feldspar constituents and medium
	epidotization. 50% feldspar. Minor local fragmentation
	Trace pyrite.
216 6	146.5
146.5	Zone of Foliation. Siliceous, well banded (45-60° c.n.)
	rock, probably a contact zone. Medium brown micaceous
	alteration. Trace sulphides.
151.0	151.0
1/1.0	Gabbro - Different from that described at 116.0. Dark grey, fine-medium grained, amphibole-rich. "Spotted"
	texture due to slightly darker colour of amphibole
	constituents. Massive, except for few minor foliated
	zones. Cut by 1-2% pinkish carbonate stringers.
	Note medium chloritized, hematite-stained, foliated
	(65° c.n.) sone from 154.7-156.5, with minor secondary
	quartz carbonate. Note 1.0 fragmented, epidotized
	zone at 200,2-201.2.
201.0	224.0
224.0	Zone of Foliation and Amphibilitization. Distinct
	foliation due to parallel orientation of amphibole needles, mainly at 60-70° c.n. Gradual change in
	texture to medium-coarse grained. Gabbroic in composi-
	tion, but locally almost an amphibolite. Minor hematite
	staining. 2-3% quartr carbonate stringers.
	241.5
241.5	Gabbro. An abrupt ending of foliation. Dark gray.
	medium grained, well developed, "spotted" texture, (same as in EB-18 at 425.6) massive, except for few minor foliated zones. 2-3% epidote stringers, 1% carbonate. 283.3 - Mineralized Zone. 5% pyrite, trace chalcopyrite.
	as in EB-18 at 425.6) massive, except for few minor
	rollated zones. 2-3% epidote atringers, 1% carbonate.
	in a silicified, epidotized, irregularly foliated,
	amphibole-rich gabbro.
	285.5 - As at 241.5. Increase in epidote stringers and
	patches to 3-4%. The epidotized nones are commonly
	weakly mineralized with pyrite, trace chalcopyrite.
	Note highly epidetized zones at 312.5-315.0 and 316.7 to
	317.7. Hobe highly-epidebised-sene Minor fragmentation
	with red felsitic fragments at 321.5.
	323.5 - Gabbro, as at 241.5. Massive, epidote 5%.
336.0	336.0
JJ0•0	Zone of Foliation and Amphibolitization. Well developed foliation at 70° c.n., gradually changing to 90° c.n.
	Hinor epidote,
	341.5
341.5	Gabbro, as before, medium grained, massive, 3-5% epidote.
	348.5 - Zone of Alteration. High chloritization and
	carbonatization. Mineralized with 3-4% pyrite, 1% cpy.
	358.0 - Gabbro, as at 341.5.
262 -	362.5
362.5	Shear Zone. Highly sheared (80-90° c.n.), highly chlor-
	itized, amphibole-rich, zone, locally shattered, and
	invaded by 10% white carbonate. Numerous striated slip
	planes with minor development of serpentine. Probably
	a major fault.

- 372.0
- 372.0 Gabbro as at 341.5. Dark greenish grey, medium chloritized. 5% epidote, 2-3% carbonate stringers. 384.0
- 384.0 Shatter Zone Medium-high chloritization. 5-7% white carbonate. Gabbroic host. Probably still a part of the above fault zone. 387.0
- 387.0 Mineralized Zone. 4-5% pyrite, less than 0.5% chalcopyrite, trace MoS<sub>2</sub> in a medium chloritized, slightly fragmented rock. Probably gabbroic host. 405.0 1% chalcopyrite, 1-2% pyrite, associated with quartz carbonate (15%) in a highly sericitized, pale greyish green unrecognizable rock. 406.0
- Zone of Fragmentatiuon. Patchy, highly sericitized and chloritized rock, unrecognizable basic host. 2-3% pyrite, less than 0.5% chalcopyrite, trace pyrrhotite, quartz carbonate 2-3%. Note quartz carbonate rich zone at 410.5-411.3. 2-3% pink felsitic fragments. 423.0 Mineralized Zone. 4-5% chalcopyrite, in a medium chloritized fragmented rock. 425.0
- 425.0 Mineralization decreases to 1-2% chalcopyrite, 1-2% pyrite. The host is low-medium chloritized. Relatively massive volc(?) rock. Trace MoS<sub>2</sub>.
  434.0
- 434.0 Volcanics. Dark grey, fine grained, relatively massive, except for minor fragmented zone; 5-6% epidote; contains several short highly epidotized phases. 2-3% carbonate stringers, 1-2% pyrite, trace chalcopyrite, mostly associated with epidotization. 491.5
- 491.5 Volcanics, as above; mineralization decreases to trace. 5% epidote. Same as in bottom part of EB-6. 519.0
- 519.0 Shatter Zone (Fault) High chloritization. 5-7% epidote, High shatter and local irregular shearing. 3-4% carbonate. 525.0 Shatter Zone high shatter, high chlorite. 15-20% white carbonate. 537.0
- 537.0 Volcanics Abrupt ending of shatter zone. Fine grained, uniform, relatively massive and fresh. 2-3% carbonate and epidote stringers. Trace pyrite.
- 558.3 End of Hole.

POOR QUALITY ORIGINAL TO FOLLOW

	372.0
372.0	Gabbro - as at 341.5. Dark graenish grey, medium chloritized. 5% epidote, 2-3% carbonate stringers.
384.0	384.0 Shatter Zone - Medium-high chloritization. 5-7% white carbonate. Gabbroic host. Probably still a part of the above fault zone.
387.0	387.0  Mineralized Zone. 4-5% pyrite, less than 0.5% chalcopyrite, trace MoS <sub>2</sub> in a medium chloritized, slightly fragmented rock. Probably gabbroic host, 405.0 = 1% chalcopyrite, 1-2% pyrite, associated with quartz carbonate (15%) in a highly sericitized, pale
406.0	grayish green unrecognizable rock. 406.0 Zone of Fragmentation. Patchy, highly sericitized and
40000	chloritized rock, unrecognizable basic host. 2-3% pyrite, less than 0.5% chalcopyrite, trace pyrrhotite, quartz carbonate 2-3%. Note quartz carbonate rich zone at 410.5-411.3. 2-3% pink felsitic fragments. 423.0 - Mineralized Zone. 4-5% chalcopyrite, in a medium chloritized fragmented rock. 425.0
425.0	Mineralization decreases to 1-2% chalcopyrite, 1-2% pyrite. The host is low-medium chloritized. Relatively massive volc(?) rock. Trace MoS2. 434.0
434.0	Volcanics. Dark grey, fine grained, relatively massive, except for minor fragmented zone; 5-6% epidote; contains several short highly epidotized phases. 2-3% carbonate stringers, 1-2% pyrite, trace chalcopyrite, mostly associated with epidotization. 491.5
491.5	Volcanics, as above; mineralization decreases to trace. 5% apidote. Same as in bottom part of EB-6. 519.0
519.0	Shatter Zone (Fault) High chloritization. 5-7% epidote, High shatter and local irregular shearing. 3-4% carbonate. 525.0 - Shatter Zone - high shatter, high chlorite. 15-20% white carbonate.
537.0	537.0 Volcanics - Abrupt ending of shatter zone. Fine grained, uniform, relatively massive and fresh. 2-3% carbonate and epidote stringers. Trace pyrite. 558.3 - End of Hole.

Natileur Mieleg

# DIAMOND DRILL LOG

PROPER

Tribag Mining Co. Ltd.

HOLE NUMBER: EB-25

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitudes

16,8206

Dip: -90.

Footage

Reading

Corrected

Departure: 8880N Elevations

Depth: 508.01

Commenced: June 3, 1965

Azimuth Finishedi June 7 1965 Logged by: Mr

Azimu	Jihi	Finished: June 7, 1965 Logged by: M. Blecha
SAMPLE NUMBER		DESCRIPTION
	0.0	O.O Casing.
	8.0	chloritized and carbonatized, consisting of 15% pale pink felsitic and felsophyric fragments, 5% banded acidic fragments, in a matrix of fine grained, green (basic volc?) material. Weakly mineralized with 1% pyrite, trace chalcopyrite throughout. Quarts carbonate 2-3%.  72.0 - As above, but acidic fragments increase to 40%.  82.0 - Basic volcanics? dark green, fine grained, fairly massive and fresh rock.  85.4 - As at 8.0. Mineralization gradually increases to 2-3% pyrite, less than 1% pyrrhotite, less than 1% chalcopyrite. Increase in epidotisation. Note 2" carbonate veinlet at 137.5.
	177.0	177.0  Quarts Porphyry. Pink, aphanitic, acidic rock; 10% quarts phenocrysts (anhedral) fairly fresh, but strongly fractured, with few fractured, coated with MoS2. 3-4% quarts carbonate stringers.  199.0 - Becoming highly sericitized, and locally banded (sheared, almost parallel to core axis).  Note extreme earthy alteration at 223.0-225.0.  225.0 - Quarts Porphyry - as before, fairly fresh.
	231.5	
	252.0	Felsite - aphanitic, pinkish green, due to high seribitisation. Weakly mineralized with traces chalcopyrite, and MoS2 along fractures. Fairly strongly fractured and cut by 2-3% quarts stringers.  268.0 - Felsite, as above, but becoming fairly fresh pink, but still fractured. Trace MoS2. Quarts carbonate 329.0 - Increase in quarts stringers to 10-15%.
	335.0	Pragments basic volcanics, low fragmentation, medium chlorite, 2-3% pyrite, trace chalcopyrite. Minor epidote and feldspathic alteration.

371.0	371.0 Mineralized Zone. 7-8% pyrite, trace pyrrhotite, less than 0.5% chalcopyrite in a fragmented, highly altered, patchy zone.
	Local strong pyritization (up to 30-40% pyrite).
	Note fractured carbonate vein at 378.0-381.0.
451.0	Zone of High Fragmentation. 15-20% acidic fragments, in a predominantly fine grained basic volcanic
	matrix; 2-3% quartz carbonate; 1-2% pyrite, trace
	chalcopyrite, trace MoS2; medium chlorite and epidote 500.0 - Felsitic fragments absent.
	508.0
508.0	End of Hole.

intilu Melia

Contractor: Continental Diamond Drilling Co. Ltd.

P. O. Drawer 250

Rouyn, Quebec

Core Size:

ΑX

1-5/16"

Hole No.	Angle	Length ok.	Dates	Claim No.
EB-3	-90°	383.2 (Deepened)	Nov.16-20/63	62208
EB-12	<del>-</del> 90°	531.3	Nov.28-Dec.2/63	11
EB-13	-90°	533.7	Dec. 3-8/63	11
EB-14	<b>-</b> 65°	250.0 (487.0)	Apr. 3-6/64	62208 & 62206
EB-15	-60°	/ 93.0 (479.0) √	Apr.7-10/64	62208 & 62206
EB-17	-65°	546.5	Apr.17/20/64	62208
EB-18	-65°	570.3	Apr.21-24/64	n
EB-19	-90°	558.3	Apr. 27-May 2/64	17
EB-25	-90°	508.0	Jun.3-7/65	11
	Total:	3,974.3		
		•		

We wish to advise that diamond drill hole EB-14 was collared on Claim SSM 62208, drilled 250 ft. on this claim and 237 ft. on Claim SSM 62206, part of a separate group of contiguous claims.

Also that EB-15 was collared on Claim SSM 62208, drilled 93 ft. on this claim, and 386 ft. on Claim SSM 62206.

DUPLICATE COPY FOOR QUALITY ORIGINAL TO FOLLOW

Contractor:

Continental Diamond Drilling Co. Ltd. P. O. Drawer 250

Rouyn, Quebec

Core Size:

AX

1-5/16"

Hole No.	Angle	Length a/	Dates	Claim No.
EB-3	-90°	383.2 (Deepened)	Nov.16-20/63	62208
EB-12	<b>-90°</b>	531.3	Nov.28-Dec.2/63	11
EB-13	<b>-</b> 90°	533.7	Dec. 3-8/63	tt
EB-14	-65°	250.0 (487.0)	Apr. 3-6/64	62208 & 62206
EB-15	-60°	/ 93.0 (479.0)	Apr.7-10/64	62208 & 62206
EB-17	-65° /	546.5	Apr.17/20/64	62208
EB-18	-65°	570.3	Apr.21-24/64	11
EB-19	-90°	558.3	Apr.27-May 2/64	19
EB-25	-90°	<b>5</b> 08.0	Jun.3-7/65	11
	Total: 3	,974.3		

We wish to rdvise that diamond drill hole EB-14 was collared on Claim SSM 62208, drilled 250 ft. on this claim and 237 ft. on Claim SSM 62206, part of a separate group of contiguous claims.

Also that EB-15 was collared on Claim SSM 62208, drilled 93 ft. on this claim, and 386 ft. on Claim SSM 62206.

Continental Diamond Drilling Co. Ltd. P. O. Drawer 250 Contractor:

Rouyn, Quebec

Core Size:

1-5/16"

0016 5126	• AA	Toursh old		
Hole No.	Angle	Length /	Dates	Claim No.
EB-8	<b>-90°</b>	207.3 (Deepenis	ng) Nov.22-24/63	62206
EB-9	<b>-</b> 90°	498.0	Nov.1-5/63	62206
EB-10	<b>-</b> 90°	502.5	Nov.7-9/63	62206
EB-11	<del>-</del> 90°	546.8	Nov.12-14/63	62207
EB-14	-65°	237.0 (487.0)	Apr. 3-6/64	62206 & 62208
EB-15	<b>-60°</b>	386.0 (479.0)	Apr.7-10/64	62206 & 62208
EB-16	<b>-</b> 65°	397.5	Apr.12-16/64	62206
7	Total:	2,775.1'		

We wish to advise that diamond drill hole EB-14 was collared on Claim SSM 62208, drilled 250 ft. on this claim and 237 ft. on Claim SSM 62206, part of a separate group of contiguous claims.

Also that EB=15 was collared on Claim SSM 62208, drilled 93 ft. on this claim, and 386 ft. on Claim SSM 62206.

**DUPLICATE COPY** POOR QUALITY ORIGINAL TO FOLLOW

Contractor: Continental Diamond Drilling Co. Ltd.

P. O. Drawer 250 Rouyn, Quebec

Core Size: AX 1-5/16"

Holo No Angle Iongth Detail					
Hole No.	Angle	Length /	Dates	Claim No.	
EB-8	-90°	207.3 (Deepening)	Nov.22-24/63	62206	
EB-9	<b>-90°</b>	498.0	Nov.1-5/63	62206	
EB-10	<b>-</b> 90°	502.5	Nov.7-9/63	62206	
EB-11	-90°	546.8	Nov.12-14/63	62207	
EB-14	<b>~</b> 65°	237.0 (487.0)	Apr. 3-6/64	62206 & 62208	
EB-15	-60°	386.0 (479.0)	Apr.7-10/64	62206 & 62208	
EB-16	<b>-</b> 65°	397.5	Apr.12-16/64	62206	
	Total:	2,775.1'			

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We wish to advise that diamond drill hole EB-14 was collared on Claim SSM 62208, drilled 250 ft. on this claim and 237 ft. on Claim SSM 62206, part of a separate group of contiguous claims.

Also that EB-15 was collared on Claim SSM 62208, drilled 93 ft. on this claim, and 386 ft. on Claim SSM 62206.

X SERIES

D.D. Logs

Holes X4 - X8 incl. X10 - X12 incl. X14 & X15 X19 X22 to X30

Plans for Loca. of X19, X22, X23 See master plan for location X-4 to X12

See grid for Loca. X14 & X15.

# DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

X SERIES

Add. Logs.

Holes X4-X8 incl.

X10-X12 incl.

X14 £ X15

X19

X22 £ X35 X30

Plone for Logar of X19, X22, X23

See master plon for bordion

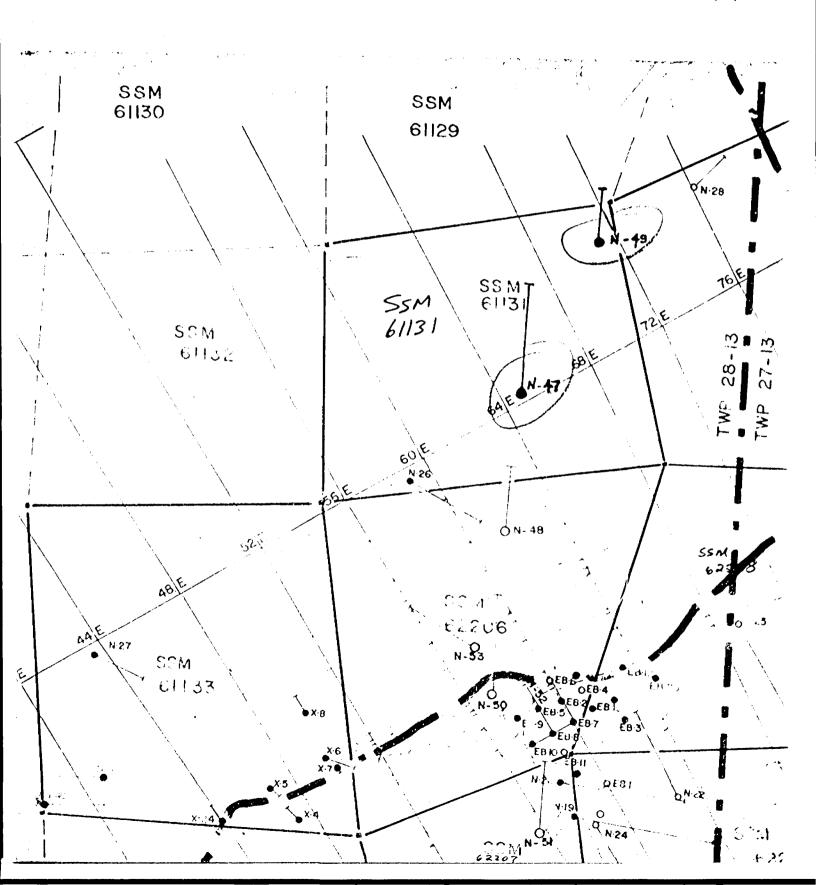
X-4 to X12

See guid for bor. X14 X15

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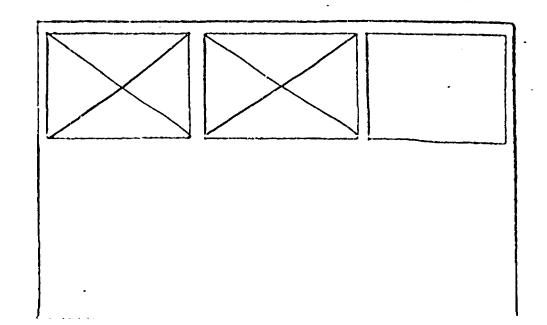
MAP, Showing Location of DDH N-47, N-49

SCALE: 1" - 400' April 26,



# SEE ACCOMPANYING MAP(S) IDENTIFIED AS NICOLET-0013,#1,2

LOCATED IN THE MAP CHANNEL IN THE FOLLOWING SEQUENCE (X)



72733 72734 72735 72746 (72741 | 72530 | 55M | 55M | 55M | 55M | 55M | 55M 72732 72748 72747 7274 7 726 34 72535 72542 72541 | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM Kincaid | Lake | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM | SSM 65802 65801 65800 BLOCK "A" 68287 | 68290 | 68293 | 6829A SEM SSW SSW SSW BLOCK "B" / (P) 311 Ac. 60200 68289 68294 68295

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