Diamond Drilling

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

Report No. 13

Work performed by: TRIBAG MINING

Claim No.	Hole No.	Footage	Date	Note
SSM.62207	N-19	805'	Sept/62	
	N-20	726'	Sept/62	
	EB-11	546.8'	Nov/63	
SSM.61131	N-26	509'	Oct/62	
	N-47	729'	Jan/67	
	N-49	429'	Feb/67	
	X-27	25'	Sept/65	
	X-28	25'	Oct/65	
	X-29	25'	Oct/65	
	X-30	102.5'	Oct/65	
SSM.61133	N-27	327'	Oct/62	
	N-31	341.3'	July/64	
	N-40	408'	Nov/65	
	N-41	379.5'	Nov/65	
	X-4	101'	Oct/63	
	X-5	71'	Oct/63	
	X-6	157'	Oct/63	
	X-7	28'	Oct/63	
	X-8	103'	Oct/63	
SUB-TOTAL	19 DH	5838.1		

Diamond Drilling

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

Report Nº: 13

Work performed by: Teibag Mining

Claim Nº	Hole Nº	Footage	Date	Note
SSM.62007	N-19 ✓	805'	Sept/62	
	N-20 ✓	726'	Sept/62	
	EB-11 ✓	546.8'	Nov/63	
SSM 61131	N-26 ✓	509'	Oct/62	
	N-47 ✓	729'	Jan/67	
	N-49 ✓	429'	Feb/67	
	X-27 ✓	25'	Sept/65	
	X-28 ✓	25'	Oct/65	
	X-29 ✓	25'	Oct/65	
	X-30 ✓	102.5'	Oct/65	
SSM 61133	N-27 ✓	327'	Oct/62	
	N-31 ✓	341.3'	July/64	
	N-40 ✓	408'	Nov/65	
	N-41 ✓	379.5'	Nov/65	
	X-4 ✓	101'	Oct/63	
	X-5	71'	Oct/63	
	X-6	157'	Oct/63	
	X-7 ✓	28'	Oct/63	
	X-8 ✓	103'	Oct/63	
	Sub-total: 19 DH	5838.1		

AWL 00417 (6/69) rev 9-72

Diamond Drilling

Township OF NICOLET (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	687'	Sept/63	
	EB-5	510'	Oct/63	
	EB-6	485'	Oct/63	
	EB-8	500.7'	Oct/63	
	EB-9	498'	Nov/63	
	EB-10	502.5'	Nov/63	
	EB-16	397.5'	Apr/64	
	N-25	707'	Oct/62	
SSM.62208	EB-31		Oct/63	
	EB-4	689'	Oct/63	
	EB-1		Oct/63	
	EB-12	531.5'	Nov/63	
	EB-13	533.7'	Dec/63	
	EB-14	487'	Apr/64	
	EB-15	479'	Apr/64	
	EB-17	546.5'	Apr/64	
	EB-18	570.3'	Apr/64	
SUB-TOTAL	37 DH	14064.1		

Diamond Drilling

Township of NICOLET
(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	687'	Sept/63	
	EB-5	510'	Oct/63	
	EB-6	485'	Oct/63	
	EB-8	500.7'	Oct/63	
	EB-9	498'	Nov/63	
	EB-10	502.5'	Nov/63	
	EB-16	397.5'	Apr/64	
	N-25	707'	Oct/62	
SSM 62208	EB-31		Oct/63	
	EB-4	689'	Oct/63	
	EB-1		Oct/63	
	EB-12	531.5'	Nov/63	
	EB-13	533.7'	Dec/63	
	EB-14	487'	Apr/64	
	EB-15	479'	Apr/64	
	EB-17	546.5'	Apr/64	
	EB-18	570.3'	Apr/64	
	SUB-TOTAL: 37 DH	14064.1		

AWL 00417-65/10v 9-72

Diamond Drilling

Township OF NICOLET (Former Twp. 28 R.13) Report No. 13

Work performed by:

Claim No.	Hole No.	Footage	Date	Note
SSM.62208	EB-19	558.3'	Apr/64	
	EB-25	508'	June/65	
TOTAL	39 DH	13,130.4'		

Diamond Drilling

Area NICOLET (Former Twp.28 R.13)

Report Nº 13

Work performed by:

Claim Nº	Hole Nº	Footage	Date	Note
SSM 62208	EB-19	558.3'	Apr/64	
	EB-25	508'	June/65	

39 DH 15,130.4

Notes:

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd.
Breton Claims

HOLE NUMBER: N-19

LOCATION:

DIP TESTS

Latitude:	1660S	Dip:	-45°	Footage	Reading	Corrected
Departure:	5735E	Depth:	805'			
Elevation:		Commenced:	Sept. 5/62			
Azimuth:	S 80° E.	Finished:		Logged by:	W.R.Sutton	

SAMPLE NUMBER	DESCRIPTION
0 - 25	Casing
23 - 47	Andesite - 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' - ½" Qtz. Stringer @ 80° T.C. with Tr. (+) Chalco and some Mo S_2 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 Pyrite (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 similar to 215-227. 345-490 - Occas. ¼"-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 ¼" to 1". Impression that hole is crossing parallelism of the rock at 70° T.C.

6220

(Copy)

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd., Breton Claims

HOLE NUMBER N-19

Latitude: 1660S Dip: -45°

Departure: 5735E Depth 805'

Elevation: Commenced: Sept. 5/62

Azimuth: S 80° E Finished: Logged by: W. R. Sutton

---

0 - 25	Casing	
23 - 47	Andesite	- 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' - ½" Qtz . Stringer ∠ 80° T.C. with Tr. (+) Chalco and some Mo S_2 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 Pyrite (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 similar to 215-227. 345-490 - Occas. ¼"-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 ¼" to 1". Impression that hole is crossing parallelism of the rock at 70° T.C.

491 - 500 Felsite - Red with Med thick Dissemination of grey-white rounded fragments, from 1/8" to ¾".

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.

603.5-650 Volcanic - Andesite, fine grained, darker grey. Numerous Qtz-filled and Carb. filled fractures, mostly 30° - 60° T.C. Rust (weathering) on fractures. 3 Grey quartz stringers parallel T.C.
620-630 - Some defined shear, particularly at 624 ft.

650 - 749 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 @ 40° T.C.

805 End of Hole.

Dip Tests

Footage	Etched Angle	Corrected Angle
200	49° 00'	41° 30'
400	49° 00'	41° 30'
600	49° 00'	41° 30'

Certified true copy of log
P.S. R[illegible] P.Eng.
Core stored in boxes at property

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd.
Breton Property

HOLE NUMBER: N-20

LOCATION:

DIP TESTS

Latitude: 1493 S	Dip: 45°	Footage	Reading	Corrected
		300'	50-30	42-30
Departure: 5827 E	Depth: 726'	700'	57-00	43-00
Elevation:	Commenced: Sept. 16/62			
Azimuth: S 80° E	Finished: Sept.21/62	Logged by: S.V.Burr		

SAMPLE NUMBER	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 ½" qtz stringer, 30° to core, with chalco and molybdenite.
	53 two ½" 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. 1½' 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

DIAMOND DRILL LOG

62207

PROPERTY: Tribag Mining Co.Ltd.
Breton Property

HOLE NUMBER: B-20

LOCATION:

DIP TESTS

Latitude: 1493 S	Dip: 45 deg.	Footage	Reading	Correcte
		300'	39-30	42-30
Departure: 5827 E	Depth: 726'	700'	37-00	43-00
Elevation:	Commenced: Sept. 16, 1962			
Azimuth: S 80 deg E.	Finished: Sept 21, 1962	Logged by: S. V. Burr		

SAMPLE NUMBER	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 deg 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 - ½" qtz stringer, 30 deg to core, with chalco and molybdenite.
	53 - two ½" 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 deg to core). Fine pyrite and chalco (5-10%) disseminated and in fractures throughout.
	104 - 217 - Volcanic Breccia - as above. Occasional small molybdenite seams. 1½' 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 mineralised with up to 10% pyrite and chalco.
	140.7 - some molybdenite in a qtz stringer 35 deg to core.
	145 - 194 - although the in-and-out Intrusive Breccia

SAMPLE NO.	DESCRIPTION
	and volcanics continue, the sulphides 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 ¼" sphalerite-chalco stringer near lower contact. Dyke is massive, not sheared as in showing.
234-246	Volcanic Breccia - weak fracturing and mineral, except near aplite contact.
246-290.5	Intrusive Breccia - altered, with epidote and silicified sections. 2-3% pyrite in stringers and disseminated; very little chalco.
290.5-344	Mixture of Volcanic Breccia & Intrusive Breccia
295.5	½" qtz stringer with molybdenite and chalco
	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	½" 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 breccia. Low sulphides
416-598	Intrusive Breccia-
416-453	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. 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.

SAMPLE NUMBER	DESCRIPTION		
	and volcanics continue, the sulphides 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 Showing at Line 58E, 1850 S). Upper contact at 55 deg to core, lower at 45 deg. Maximum 1" sphalerite-chalco stringer near lower contact. Dyke is massive, not sheared as in showing.		
234 - 246	Volcanic Breccia - weak fracturing and mineral, except near aplite contact		
246 - 290.5	Intrusive Breccia - altered, with epidote and silicified sections. 2%-3% pyrite in stringers and disseminated; very little chalco.		
290.5 - 344	Mixture of Volcanic Breccia & Intrusive Breccia		
	295.5 - ½" qtz stringer with molybdenite and chalco		
	Increasing pyrite mineralization (3%-5%) with a little more chalco, up to 323'		
	331 - 336 - well silicified, but negligible mineral.		
344 - 388	Volcanic Breccia - weak fracturing which is generally silicified; some epidote; dry of sulphides.		
	383 - ½" 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 breccia. Low sulphides.		
416 - 598	Intrusive Breccia -		
	416 - 453 - 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. 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.		

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- ¼" 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.
	(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 or three chalco concentrations.

END OF HOLE : 726

CORE STORED IN BOXES AT PROPERTY

SAMPLE NUMBER	DESCRIPTION		
	632 - 634.5 Gabbro - medium grained, slight fracturing. Negligible mineral.		
	634.5 - 660 Gabbro Breccia - No felsite; some volcanics; 3% qtz in stringers. 5%-7% sulphides, mainly pyrite but with some fine chalco and occasional coarser concentrations. 658.5 - ½" massive chalco stringer 80 deg to core.		
	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 or three chalco concentrations.		
	End of Hole: 726		

S.V. Burr

Core stored in boxes at property

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd. HOLE NUMBER: N-25

LOCATION: Breton Property, Batchawana Bay, Ont.

Latitude: 1290 S Dip: 45deg

Departure: 7000E Depth: 707'

Elevation: Commenced: Oct. 4/62

Azimuth: S 30° E Finished: Oct. 11/62 Logged by: S,V. Burr

DIP TESTS

Footage	Reading	Corrected
350'	49-30	41-45
700'	46-00	38-30

SAMPLE NUMBER	DESCRIPTION
	0.0-17.0 Casing
	17.0-20.0 Volcanics - dacitic- slightly fractured and silicified. Splash of chalco at 18½'.
	20.0-39.0 Felsite - (or Rhyolite) - reddish. Some fine fracturing, negligible pyrite. MoS_2 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 pyrite.
	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.
	146.5-163.0 Brecciated Volcanics - andesitic - fine fractures with some epidote and fine qtz stringers. Fine sulphides up to 1%.Cone,pyr.chalco, sphal. @ 155½'.
	163.0-170.0 Intrusive Breccia - (or coarse tuff).Minor epidote and fracturing 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.
	205 a brick-red alteration penetrates rock and across qtz. fractures, giving a brecciated appearance.

62208

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd., HOLE NUMBER: M-25

LOCATION: Breton Property, Batchawana Bay, Ont.

			DIP TESTS		
Latitude: 1290 S	Dip: 45 deg	Footage	Bearing	Corrected
Departure: 7000 E	Depth: 707'	350'	49-30	41-45
Elevation:	Commenced: October 4, 1962	700'	46-00	38-30
Azimuth: S 30 deg E	Finished: October 11, 1962	Logged by: S. V. Burr		

SAMPLE NUMBER	DESCRIPTION
	0.0 - 17.0 - Casing
	17.0 - 20.0 - Volcanics - dacitic - Slightly fractured and silicified, Splash of chalco at 18½'.
	20.0 - 39.0 - Felsite - (or Rhyolite) - reddish. Some fine fracturing, negligible pyrite. MoS_2 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 pyrite.
	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 M-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 Rhodite - contacts not clear. Reddish. Negligible mineral.
	146.5 - 163.0 - Brecciated Volcanics - andesitic - fine fractures with some epidote and fine qtz stringers. Fine sulphides up to 1%. Conc. pyr, chalco, sphal. @ 155½'.
	163.0 - 170.0 - Intrusive Breccia - (or coarse tuff). Minor epidote and fracturing. Sulphides about 1%.
	170.0 - 176.0 - Brecciated Volcanics - andesitic - 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 lathey-shaped; amygdules have soft white material. Upper contact area fine grained similar in appearance to adjoining andesite; lower contact definitely chilled against Intr. Bx.
	205 - a brick-red alteration penetrates rock and across qtz fractures, giving a brecciated appearance.

SAMPLE NO.	DESCRIPTION
	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 221-221½.
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 core.
407.0-418.5	Andesite- fine fracturing with epidote, minor qtz 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.
500.5-501.5	Fault - 60° to core. Breccia cemented with felsitic material and some carbonate.
501.5-504.0	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.

FROM	TO	DESCRIPTION
		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 221-221½.
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 - 225 - 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 deg 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 negligible 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 deg to core.
407.0	418.5	Andesite - fine fracturing with epidote, minor qtz and mineral
418.5	504.0	Gabbro - Fine grained at first; becoming medium grained. Scattered mineralized (pyrite and chalco) qtz stri[illegible]rs, generally 60-80 deg to core.
		500.5 - 501.5 - [illegible] - [illegible] deg to core. Breccia cemented wit[illegible] felsitic material and some carbonate.
		501.5 - 504.0 - somewhat altered and broken, with carbonate and some brick-red veinlets.
504.0	549.0	Brecciated Volcanics - andesite - fine fracturing various angles to core, sometimes heavily mineralised. Over-all % sulphide is quite low.
549.0	554.0	Intrusive Breccia - Fine texture; 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	588.0	Gabbro - Fine to medium grained. Isolated qtz veinlets., generally barren.
588.0	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.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited

HOLE NUMBER: N-26

LOCATION: Breton Property, Batchawana Bay, Ont.

DIP TESTS

			Footage	Reading	Corrected
Latitude: 60S	Dip: 45°		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		

SAMPLE NUMBER	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?)
	211½-212 Dyke and Fault - Fine grained, grey, hard dyke with contacts at 80-85° to core. 3½" 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.
	300½ 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 (345½, 349½) 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.
	464-465½ brecciation of the gabbro by epidote(?)
	471-473 fine pyrite fracturing.
	END OF HOLE: 509 (No samples)

6113?

DIAMOND DRILL LOG

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

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

Latitude: 60S — Dip: 45 deg — Departure: 5900 E — Depth: 509' — Elevation: — Commenced: October 20, 1962 — Azimuth: S 62 deg E. — Finished: October 24, 1962 — Logged by: S. V. Burr

DIP TESTS

Footage	Reading	Corrected
250	55-15	48-30
500	54-45	48-00

SAMPLE NUMBER	DESCRIPTION
	C.C - 9.C - 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 - 216.-* (Anomaly?)
	211½ - 212 - Dyke and FAULT - Fine grained, grey, hard dyke with contacts at 80-85 deg to core. 3½" 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 deg to core. There are similar carbonate slips nearly normal to the core as above, but there appears to be less epidote.
	300½ - 8" bleached zone, with slips 50-55 deg to core.
	339 - 6" Fault with breccia cemented with carbonate. Slips at 35 deg to core.
	339.0 - 509.0 - Gabbro
	339 - 404 - med grained, fairly massive except for scattered carb slips and narrow Fault breccia (345½, 349½) 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.
	464-465½ - brecciation of the gabbro by epidote(?)
	471 - 473 - fine pyrite fracturing.
	END OF HOLE: 509. (No samples) S.V.Burr

Core stored in boxes at property

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'

		%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

SHEET NUMBER 3 HOLE NUMBER N-26

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 qts or epidote fracturing.		
	696 - Felsite breccia.		
	698.0 - 707.0 - Intrusive Breccia - Gabbro - mixture, with considerable felsite, epidote, negligible sulphides.		
	End of Hole: 707'		
		% 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		

S. V. Burn

DIAMOND DRILL LOG

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.
	100.5 A clear-cut flow contact, irregular, at 25° to core. Some sparse disseminated pyrite.
	121-144 increasing fine qtz fracturing, with development of epidote alteration and weak silicification.
	123 1½" 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.
	248.0-294.0 Gabbro - massive, medium grained. Upper and lower contacts chilled to light grey, fine grained rock at 45° to core.
	294.5-327.0 Andesitic Volcanics - scattered fine fracturing and alteration as above. Negligible mineral.
	END OF HOLE

Core stored in boxes at property.

61133

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited — HOLE NUMBER: N-27

LOCATION: Breton Property, Batchawana Bay, Ontario (S.P. Anomaly 14)

Latitude: 50 S — Dip: 45 deg — DIP TESTS: Footage / Reading / Corrected

Departure: 4350 E — Depth: 327

Elevation: — Commenced: October 25, 1962

Azimuth: S 60 deg E — Finished: October 28, 1962 — Logged 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.		
	100.5 - A clear-cut flow contact, irregular, at 25 deg to core.. Some sparse disseminated pyrite.		
	121 - 144 - increasing fine qtz fracturing, with development of epidote alteration and weak silicification.		
	123 - 1½" qtz veinlet 50 deg to core. Sparse pyrite.		
	144.0 - 177.0 - Gabbro - Fine grained. Scattered fine qtz fractures and weak silicification. Upper contact 25 deg to core. Lower contact shows some shearing, is irregular at 25 deg 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.		
	248.0 - 294.5 - Gabbro - massive, medium grained. Upper and lower contacts chilled to light grey, fine grained rock at 45 deg to core.		
	294.5 - 327.0 - Andesitic Volcanics - scattered fine fracturing and alteration as above. Negligible mineral.		
	END OF HOLE: 327' (No samples)		

Core stored in boxes at property S.V.Burr

Sam. 61133

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: N-31

LOCATION: Batchawana Bay, Ontario

Latitude: 5+00S — Dip at collar -45°

Departure: 4700E — Dip: at 130' -43°; at 340' -44° — Depth: 341.3

Elevation: — Commenced: July 6, 1964

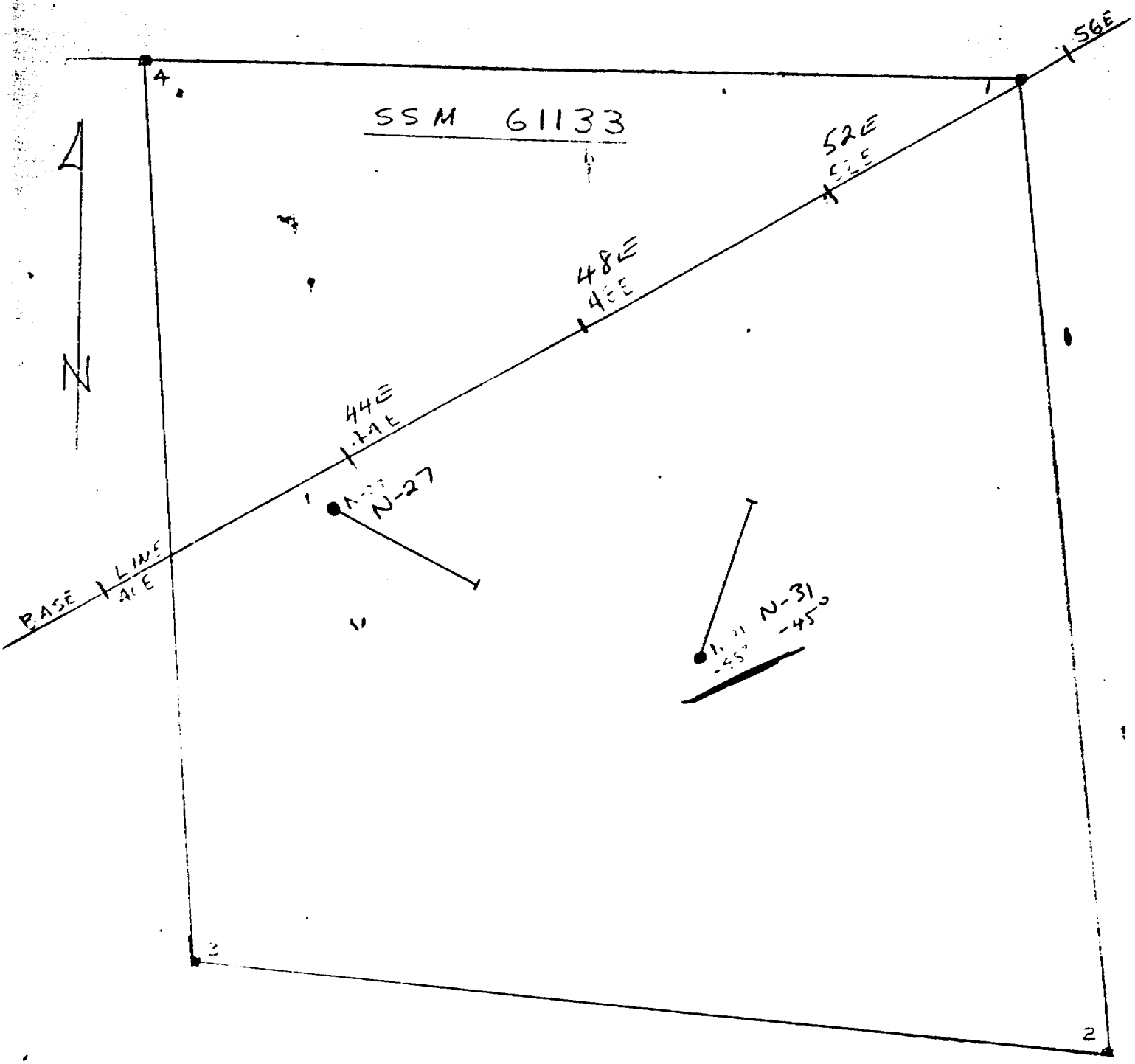
Azimuth: 20° — Finished: July 9, 1964 — Logged by: M. Blecha

DIP TESTS

Footage	Reading	Corrected

SAMPLE 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
	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
	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
	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 40-50% feldspar, occasionally stained red. Locally becoming dioritic Generally fresh a 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 at Tribag.



TRIBAG MINING CO. LIMITED

SAULT STE MARIE MIN. DIV. , BATCHAWANA, ONT.

LOCATION PLAN

DRILL HOLES ON

CLAIM # SSM 61133

SCALE: 1" = 200' JULY 1964 A.J.W

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. N-40

LOCATION: Batchawana Bay, Ont.

DIP TESTS

Line: 38+25'E 5+00 S	Dip: -50°	Footage	Reading	Corrected
Claim SSM 61133 (Group C)	Depth: 408.0'			
Elevation:	Commenced: Nov. 11/65			
Azimuth: East	Finished: Nov. 16/65	Logged by: L. Koskitalo		

SAMPLE NUMBER	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"-¼" 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, ½" 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 some ser(?).
	353.5-358.8 -Zone of minor shearing; quartz veining alteration; 3% 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.

DIAMOND DRILL LOG

PROP.: Tribag Mining Co. Limited — HOLE NUMBER: N-40

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Line 38+25'E 5+00 S — Dip: -50° — Footage / Reading / Corrected

Claim SSM 61133 (Group C) — Depth: 408.0'

Elevation: — Commenced: November 11, 1965

Azimuth: East — Finished: November 16, 1965 — Logged by: L. Koskitalo

SAMPLE NUMBER	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"-1/4" stringers at various angles with an indefinite 45° c.n. average; some epidote and sericite alteration and stringers associated with the quartz; essentially, no sulphides (saw two specks 1 mm. pyrite at 88.6'). 1 mm. cpy. at 306.5'). 38.0-38.5 - Quartz veining and shattered volc. - 60° c.n. 25% quartz. 58.7-61.0 - " " " " " - 45° c.n. 12% quartz. 141.6-142.0 - " " " sheared " - 60° c.n. 9% quartz. 146.2-146.6 " " " shattered " - 50° c.n. 10% quartz. 214.7-216.2 - Quartz veining and shattered, sheared volcanics - 60° c.n. 15% quartz. 238.3-238.6 - Fault? Shattering. 5% quartz, 1/4" gouge at 25° c.n. 306.4-306.6 - Quartz veining, shearing at 50° c.n.; speck (1 mm.) chalcopyrite; ghostly alteration of something caught up in quartz. 349.1-349.5 - Shearing at 35° c.n.; 5% quartz; 25% epidote stringers, some ser(?) 353.5-358.8 - Zone of minor shearing; quartz veining alteration; 3% quartz. 376.6-377.0 - Quartz veining, shattering at 55° c.n. 20% quartz; medium ser.. epid(?) alteration.
	408.0
408.0	End of Hole.

Lloyd Koskitalo

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: N-41

LOCATION: Batchawana Bay, Ont. — DIP TESTS

~~XXXXXX~~: 100'E of L40E, 520'S — Dip: -60° — Footage / Reading / Corrected

~~XXXXXXX~~ Claim SSM 61133 (Group C) — Depth: 379.5'

Elevation: — Commenced: Nov. 17/65

Azimuth: Due West — Finished: Nov. 22/65 — Logged by: L. Koskitalo

SAMPLE NUMBER	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% quartz 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 ½-3mm. 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 (½-½%) associated with quartz as disseminated ½-2mm. 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; ½% pyrite in irregular clota and stringe: several at 15° c.n.
	78.2
78.2	Volcanic(?) - massive porphyritic (mafic knots-½ 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"-½" stringers; trace various sulphides.
	100.8-101.5 -50% quartz as ½" stringers at 65° c.n. 15% associated epidote; trace pyrrhotite(½%?), sphalerite, galena, bare trace pyrite.
	128.0
128.0	Graphitic shear zone-shearing at 0°-30° c.n.; quartz and argillaceous like material interlayered at ½-3 mm;

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: N-41

LOCATION: Batchawna Bay, Ontario — DIP TESTS

100'E of L40E
520'S — Dip: -60° — Footage | Reading | Corrected

Claim SSM 61133
(Group C) — Depth: 379.5'

Elevation: — Commenced: November 17, 1965

Azimuth: Due West — 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, greenish dark grey, non magnetic(?), massive andesitic(?) - shattered? - cut by 2% quarts 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, medium to dark grey, fine grained-aphanitic rock, with blurry 1/2-3 mm. fledspar phenocrysts and 1 mm. rounded, vague, white quarts phenocrysts in some places; some kaolin spots. Shattered and cut by 2% quarts in 1/16"-1/8" stringers. Trace pyrrhotite (1/4-1/2%) associated with quartz as disseminated 1/2-2 mm. blobs, also has irregular stringered masses 1-2 mm. 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% pyrrhotite; 1/2% pyrite in irregular clots and stringers, several at 15° c.n.
	78.2
78.2	Volcanic(?) - Massive porphyritic (mafic knots - 1/2 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"-1/2"; 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% quarts/epidote-sericite, 1/16"-1/2" stringers; trace various sulphides. 100.8-101.5 - 50% quarts as 1/2" stringers at 65° c.n. 15% associated epidote; trace pyrrhotite(1/2%?), sphalerite, galena, bare trace pyrite.
	128.0
128.0	Graphitic shear zone - Shearing at 0°-30° c.n.; quarts and argillaceous like material interlayered at 1/2-3 mm;

DESCRIPTION

parallel, irregular 1 mm. pyrrhotite and pyrite stringers; 20% qtz 30-40% quartz; 30-40 argillaceous material; 50% volc.(single frag.) ½% pyrite, ½% pyrrhotite; trace chalcopyrite(?)/
132.8-138.6 - Low-medium altered, fine grained, massive slightly porphyritic, sub-diabasic textured, andesite(?)
143.0

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, 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, ¼" 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% bleached altered fragments; bare trace sulphides.
326.0

326.0 Volcanics(?)- alteration low-nil,in aphanitic to fine grained/ weakly porphyritic (½-1mm. mafic spots),dark grey to dark greenish grey, massive, non magnetic rock-cut by trace quartz (¼%) in fine stringers; no visible sulphides? no pyrrhotite?
379.5

379.5 END OF HOLE

DESCRIPTION

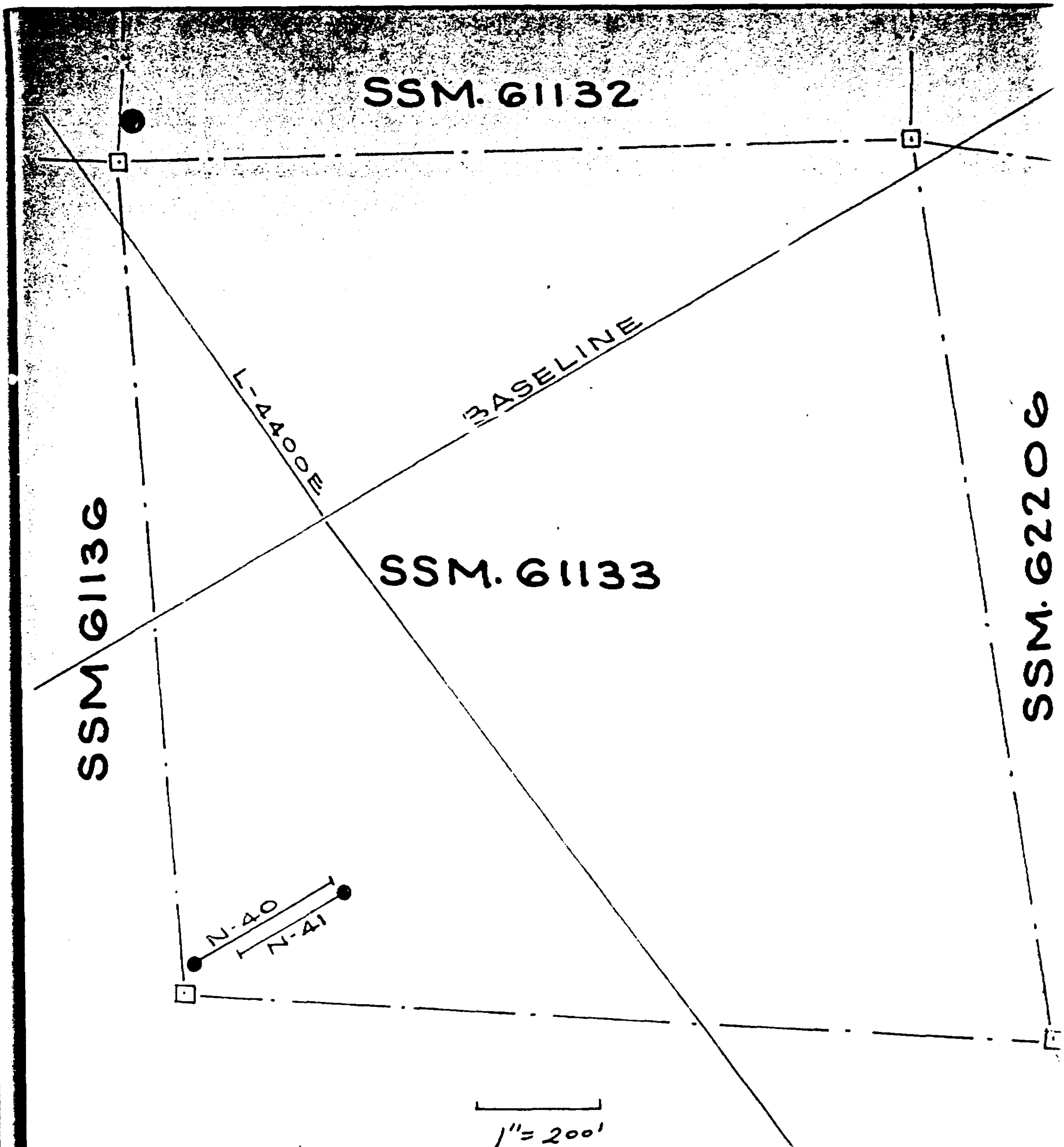
parallel, irregular 1 mm. pyrrhotite and pyrite stringers; 20% quartz; 30-40% quartz; 30-40 argillaceous material; 50% volc. (single fragment); 1/2% pyrite, 1/4% pyrrhotite; trace chalcopyrite(?).
132.8-138.6 - Low-medium altered, fine grained, massive, slightly porphyritic, sub-diabasic textured, andesite(?)
143.0

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% 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, 1/4" blebs, fragments? 1/2% 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 medium-low - 90% volc and/or trap; 5% quartz; 5% bleached altered fragments; bare trace sulphides.
326.0

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.

Engel Koskela



Core stored in [illegible]

SKETCH SHOWING
LOCATION OF
DIAMOND DRILL HOLES N·40, N·41
SCALE - 1" = 200'

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co., Limited

HOLE NUMBER. N-47

LOCATION: Batchawana Bay, Ont.
900' N60°E from Post 3, claim SSM 61131

DIP TESTS

			Footage	Reading	Corrected
Latitude: 10,245 N	Dip: 55°		200'		
Departure: 16,990 E	Depth: 729.0'		400'		
Elevation: ?	Commenced: Jan 24/67		600'		
Azimuth: 5°	Finished: Feb. 2/67	Logged by: Mathew Blecha			

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 22.0
22.0	Basic Volcanics, (Andesite), dark greenish grey, fine 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
79.0	Zone of fracturing. Holst 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
101.0	Gabbro-Diabase(?) Imperceptible contact. Dark greenish 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

DIAMOND DRILL LOG

PROPERTY: TRIBAG MINING CO., LIMITED — HOLE NUMBER: N-147

LOCATION: Batchawana Bay, Ontario.
900' N60°E from Post 3, claim SSM 61131

Latitude: 10,245 N — Dip: 55° — DIP TESTS: Footage / Reading / Corrected
200'
400'
600'

Departure: 16,990 E — Depth: 729.0'

Elevation: ? — Commenced: Jan 24, 1967

Azimuth: 5° — Finished: Feb 2, 1967 — Logged by: Mathew Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing
	22.0'
22.0'	Basic Volcanics, (Andesite), dark greenish grey, fine 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
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
101.0	Gabbro-Diabase (?) Imperceptible contact. Dark greenish 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

SSM-1586

DESCRIPTION

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
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

	DESCRIPTION
	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
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 magnetic. 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
	SHARP UPPER CONTACT AT 30° CA

DESCRIPTION

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 wi 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 wit pyrite along fractures.Shearing and fracturing most intense at 566 -569.3.

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

DESCRIPTION

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

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 alteration 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.

DESCRIPTION

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

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.

Sheet No. Hole No. 47

DESCRIPTION

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 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

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.

Patrick Mulcahy.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co., Limited — HOLE NUMBER. N-49

LOCATION: Batchawana Bay, Ont.

				DIP TESTS	
Latitude:	10,630 N	Dip: at collar -55	Footage	Reading	Corrected
			215		-55°
Departure:	10,620 E	Depth: 429.0'	429		-54°
		Core: A-XT			
Elevation:		Commenced: Feb.15/67			
Azimuth:	N 05°E	Finished: Feb.20/67	Logged by: MATTHEW BLECHA		

SAMPLE NUMBER	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 felsite 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. Cut by 1-2% carbonate stringers some showing red hematite staining Traces of pyrite throughout. Note a 5" 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 Diabase, As at 54.0'. Frequent changes in texture from 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 35-45° 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

DIAMOND DRILL LOG

PROPERTY: TRIBAG MINING CO., LIMITED

HOLE NUMBER: DDH. M-49

LOCATION: Batchawana Bay, Ontario.

DIP TESTS

				Footage	Dip at Collar	Reading	Corrected
Latitude:	10,630 N	Dip:	at Collar -55				
Departure:	10,620E	Depth:	429.0'	215		-55°	-55°
		Core:	A-XT	429			-54°
Elevation:		Commenced:	Feb 15, 1967				
Azimuth:	N 05° E	Finished:	Feb 20, 1967	Logged by:		Matthew Blecha	

SAMPLE NUMBER	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 felsite 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
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 by 1-2% carbonate stringers some showing red hematite staining Traces of pyrite throughout. Note a 3" highly epidotized band at 45° C.A., mineralized with 15% pyrite at 109.0' 126.0 Fracturing increases in ftensity. A 3" carbonate veinlet with fine fragments of diabase, running parallel to core at 127-129.0' Minor local shearing mostly at 50° C.A., with association high chloritization. Trace pyrite. Total carbonate stringers 2-3%. 164.3
164.3	Diabase, As at 54.0'. Frequent changes in texture from 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 35-45° C.A. Note development of coarse amphibole which accentuates foliation. Streaks of epidote throughout, parallel to foliation. Low chloritization. 223.0
223.0	MAJOR SHATTER ZONE. Diabasic host rock. Highly shattered and locally brecciated, highly chloritized

DESCRIPTION

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. Medium 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 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

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. Medium chloritization.
261.0

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 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

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

429.0 End of Hole.

Nathan Rheeder

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER. X-4

LOCATION: 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 Finished: Oct. 8/63 Logged by: ROSS SHIELDS

SAMPLE NUMBER	DESCRIPTION
0.0	Casing
1.0	Volcanics, fine grained to almost sphanitic, dark grey green, 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 pillow selvage with veinlets of pyrite and pyrrhotite which themselves contain a few rock fragments. Lower contact lost in short blocky core fragments. 46.5
46.5	Impure siltstone or very fine grained sandstone; upper contact 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
48.5	Impure blue grey siltstone and pink granitic felsophyre material, intermixed or interlensed. Felsophyre has pinkish to creamy feldspar pseudo-phenocrysts. Core recovery good. but blocky with numerous fragments. Unmineralized. 76.0
76.0	Pink Brecciated. Felsophyre, granitic (streased arkosic) material, calcareous in places, core recovery poor with numerous blocky core fragments. Lost core... 80-82 87-88.4 92-94 97-99 101.0 END OF HOLE

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER: X-4

LOCATION: Batchawana Bay, Ontario. DIP TESTS

Latitude: 11 00S Dip: 45° Footage Reading Corrected

Departure: 47 30E Depth: 101
Core Size "AX"

Elevation: Commenced: October 5, 1963

Azimuth: N 45° W Finished: October 8, 1963 Logged by: Ross Shields

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 1.0
	1.0 Volcanics, fine grained to almost aphanitic, dark grey green, few faint traces of tuff type bedding, few faint outlines of volcanic fragments. At 27, note epidotized 2 inch length of alteration material similar to pillow selvage with veinlets of pyrite and pyrrhotite which themselves contain a few rock fragments. Lower contact lost in short blocky core fragments. 46.5
	46.5 Impure siltstone or very fine grained sandstone; upper contact 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 feldspar in some bands and volcanic fines in others. Unmineralised. 48.5
	48.5 Impure blue grey siltstone and pink granitic felsophyre 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 brecciated. 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 97-99 101.0 End of Hole

Ross C. Shields

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER: X-5

LOCATION: Batchawana Bay, Ont.

Latitude: 9-20 S Dip: -47° DIP TESTS

Departure: 46-90 E Depth: 71.0' Footage Reading Corrected

Elevation: Commenced: Oct. 8/63 Core size: EXT

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

DIAMOND DRILL LOG

COMPANY [illegible] CO. LIMITED. — HOLE NUMBER X-5

LOCATION [illegible] BAY, ONT. — [illegible]

Latitude 9-20 E — Dip -47° — Footage — Reading — Corrected

Departure 46-90 E — Depth 71.0' — Core size [illegible]

Elevation — Commenced Oct. 3-63

Bearing S 45° E — Finished Oct. 11-63 — Logged by [illegible]

DESCRIPTION — Claim No. [illegible] 33

0.0 Casing
5.0

5.0 Intermixed pink granitic felsite, slightly calcareous in [illegible] and with some banded grey to grey-green siltstone [illegible] blocky some 50% is present as sub-[illegible] core fragments.
10.0

10.0 Grey siltstone, fine banded, brecciated in part and slightly calcareous; core blocky some 50% present as sub-[illegible] fragments.
[illegible].5

[illegible].5 [illegible] core fragments and traces of [illegible].
[illegible].0

[illegible].0 Grey siltstone, as at 10.0.
[illegible].0

[illegible].0 [illegible] granitic felsite and minor grey to grey-green [illegible], slightly calcareous in part, some [illegible] of felsite.
71.0

71.0 END OF HOLE

NO ASSAYS TAKEN

[illegible] 1963

DIAMOND DRILL LOG

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: 46-90E	Depth: 71.0'	Core size: EXT $(\frac{17_{n}}{8})$		
Elevation:	Commenced: Oct. 8/63			
Azimuth: S 45° E	Finished: Oct. 11/63	Logged by: ROSS SHIELDS & S.V. BURR		

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% 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

DIAMOND DRILL LOG

PROPERTY.. TRIBAG MINING CO. LIMITED. HOLE NUMBER: X-5

LOCATION: BAICHAWAKA BAY, ONT.

Latitude: 9-20 S Dip: -47° DIP TESTS

Departure: 46-90 E Depth: 71.0' Footage Reading Corrected

Elevation: Commenced: Oct. 8-63 Core size: EXT (1 7/8")

Azimuth: S 45° E Finished: Oct. 11-63 Logged by: Ross Shields & S. V. Burr

Claim No. SS.M. 61133

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 5.0
	5.0 Intermixed pink granitic felsite, slightly calcareous in part and with some buried grey to grey-green siltstone 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 Granitic core fragments and traces of pyrite and spy. 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 epidotisation of felsite. 71.0
	71.0 END OF HOLE

NO ASSAYS TAKEN

S V Burr

RECEIVED NOV 12 1963

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER X-6

LOCATION Batchawana Bay, Ont.

Latitude: 9-25 S Dip: -35° DIP TESTS

Departure: 49-65 E Depth: 157.0' Footage Reading Corrected

Elevation: Commenced: Oct. 11/63 CORE SIZE: EXT (_ 7)
(8)

Azimuth: S 70° E Finished: Oct. 16/63 Logged by: ROSS SHIELDS & S.V. BURR

SAMPLE NUMBER	DESCRIPTION	Claim No. SSM 61133

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 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

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

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 HOLE

DIAMOND DRILL LOG

PROPERTY: TRIBAG MINING CO. LTD. HOLE NUMBER: X-6

LOCATION: BATCHAWANA BAY, ONT. DIP TESTS

Latitude: 9-25 S Dip: -35° Footage Reading Corrected

Departure: 49-65 W Depth: 157.0'

Elevation: Commenced: Oct. 11-63 Core size: EXT (1.5")

Azimuth: S 70° E Finished: Oct. 16-63 Logged by: Ross Shields & S V. Burr

SAMPLE NUMBER | DESCRIPTION Claim No. S.S.M. 61133

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 cherty and/or siltstone material and some minor lensy pyrrhotite mineralization with a few traces of 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

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 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 anaerobic conditions.
157.0

157.0 END OF HOLE.

S.V. Burr

RECEIVED NOV 12 1963

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. X-7

LOCATION Batchawana Bay, Ont.

DIP TESTS

Latitude:	9-90 S	Dip:	-35°	Footage	Reading / Corrected
Departure:	50-00 E	Depth:	28.0'	CORE SIZE: EXT	(- 7/8")
Elevation:		Commenced:	Oct. 16/63		
Azimuth:	South (S 30°E)	Finished:	Oct. 17/63	Logged by:	ROSS SHIELDS & S.V. BURR

SAMPLE NUMBER	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.

DIAMOND DRILL LOG

PROPERTY: TRIBAG MINING CO. LIMITED. HOLE NUMBER: X-7

LOCATION: BATCHAWANA BAY, ONT.

DIP TESTS

				Footage	Bearing	Corrected
Latitude:	9-90 S	Dip:	-35°			
Departure:	50-0 0 E	Depth:	28.0'			(- 7 °)
Elevation:		Commenced:	Oct. 16-63	Core size: EXT		8
Azimuth:	South (Base)	Finished:	Oct. 17-63	Logged by: Roger Shields.		

Claim No. SSM. 6113

SAMPLE NUMBER	DESCRIPTION
	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 brick 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.

S. V. Burr

RECEIVED NOV 12 1963

DIAMOND DRILL LOG

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:	Commenced: Oct. 17/63	EXT core		
Azimuth: N 28°W	Finished: Oct. 24/63	Logged by: M. Blecha		

SAMPLE NUMBER	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-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 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

DIAMOND DRILL LOG

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

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude: 720 S Dip: 30° Footage Reading Corrected

Departure: 5000 E Depth: 103.0 Claim No. 61133

Elevation: Commenced: Oct. 17, 1963 EXT core

Azimuth: N 28° W Finished: Oct. 24, 1963 Logged by: M. Blecha

SAMPLE NUMBER	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-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 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.	

Kathleen Blecha

RECEIVED NOV 4 1963

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER. X-24

LOCATION: Batchawana Bay, Ont.

Latitude: 950 S Dip: -45° DIP TESTS

Departure: L 44E Depth: 101.3' Footage Reading Corrected

Elevation: Commenced: July/65

Azimuth: Grid North Finished: July/65 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% 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
91.1	Rhyolitic Rock - Grey in colour as streaked by 25-30%(?) mafic bands at average 35° c.n., banding average 2-3 mm., is somewhat indistinct. 3-5% greenstone - 2" band.
	99.4
99.4	Rhyolite.
	101.3 END OF HOLE

DIAMOND DRILL LOG

PROPER: 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 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% quartz 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 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 epidotisation.
	88.5
88.5	Rhyolite - grey and black streaked by hairline partings at average 30° c.n.
	91.1
91.1	Rhyolitic Rock - grey in colour as streaked 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	Rhyolite.
	101.3 - End of Hole.

Lloyd Koskitalo

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER. X-27

LOCATION: Batchawana Bay, Ont.
Claim SSM 61131 (Group G)

~~Azimuth:~~ Dip:-45° DIP TESTS

Footage | Reading | Corrected

~~Departure~~ 351'S
L68E Depth: 25.0'

Elevation: Commenced: Sept./65

Azimuth: S 27°W
(south along L68) Finished: Sept./65 Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION
0.0-25.0	Quartz-Porphyry. Pale pink, acidic rock. Aphanitic matrix, with 10-15% anhedral quartz phenocrysts (1-5 mm.) Minor local epidotization, massive and fresh, but slightly fractured, and very blocky. Poor core recovery. 25% lost core.
25.0	25.0 END OF HOLE

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER: X-27

LOCATION: Batchawana Bay, Ontario
Claim SSM 61131 (Group G)
~~Latitude~~ 351'S
~~Departure~~ L68E

Dip: -45°

Depth: 25.0'

Elevation:

Commenced: September 1965

Azimuth: S 27°W (south along L68)

Finished: September, 1965

Logged by: M. Blecha

DIP TESTS

Footage	Reading	Corrected

SAMPLE NUMBER	DESCRIPTION
	0.0-25.0 Quartz-Porphyry. Pale pink, acidic rock. Aphanitic matrix, with 10-15% anhedral quartz phenocrysts (1-5 mm.). Minor local epidotization, massive and fresh, but slightly fractured, and very blocky. Poor core recovery. 25% lost core.
	25.0
	25.0 End of Hole.

Matthew Blecha

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. X-28

LOCATION: Batchawana Bay, Ont.

Claim SSM 6113J (Group G)

DIP TESTS

Dip:	90°	Footage	Reading	Corrected
Depth:	25.0'			
Commenced:	Oct./65			
Finished:	Oct./65			

3+53S
L68-03E

Elevation: (X-27) = 1'

Azimuth:

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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: X-28

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

DIP TESTS

Footage	Reading	Corrected

Dip: 90°

3+53S
L68-03E

Depth: 25.0'

Elevation: (X-27) + 1'

Commenced: October, 1965

Azimuth:

Finished: October, 1965

Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0
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 epidotization. Poor core recovery, blocky ground. 25% lost core.
	25.0
25.0	End of Hole.

Matthew Blecha

DIAMOND DRILL LOG

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
XXXXXX: 3+73S L68-04E	Depth: 25.0'			
Elevation: (X-27) + 13'	Commenced: Oct./65			
Azimuth:	Finished: Oct./65			

Logged by: L.Koskitalo

SAMPLE NUMBER	DESCRIPTION
0.0	Fresh, vaguely foliated (at 45° c.n.), pink, hard, 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 (½ 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 ¼"-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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. X-29

LOCATION: Batchawana Bay, Ont.

DIP TESTS

~~XXXXX~~ ~~XXXXXX~~	Claim SSM 61131 (Group G)	Dip: 90°	Footage	Reading	Corrected
~~XXXXXX~~ ~~XXXXXX~~	3+73S L68-04E	Depth: 25.0'			
Elevation:	(X-27) + 13'	Commenced: Oct./65			
Azimuth:		Finished: Oct./65	Logged by:	L.Koskitalo	

SAMPLE NUMBER		DESCRIPTION
	0.0	Fresh, vaguely foliated (at 45° c.n.), pink, hard, felsophyre - contains 2-4% blurry, 1-2 mm. quartz 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 (½ 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 ¼"-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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: X-29

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

Latitude: 3+73S — Dip: 90° — Footage — DIP TESTS: Reading — Corrected

Departure: L68-04E — Depth: 25.0'

Elevation: (X-27) +13' — Commenced: October, 1965

Azimuth: — Finished: October, 1965 — Logged by: L. Koskitalo

SAMPLE NUMBER	DESCRIPTION
	0.0
0.0	Fresh, vaguely foliated (at 45° c.n.), pink, hard, felsophyre - contains 2-4% blurry, 1-2 mm. quartz 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 pyrite localized in basic volcanics and in one length of felsitic material - a few Fe stained partings - cut by less than 5% quartz in 1/4"-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.

Llewyd Koskitalo

Matthew Moodie

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER. X-30

LOCATION: Batchawana Bay, Ont.
Claim SSM 61131 (Group G)

~~Latitude~~: L68+00E Dip: -90° DIP TESTS

~~Departure~~: 3+77S Depth: 102.5'

	Footage	Reading	Corrected

Elevation: (X-27) + 16½' Commenced: Oct./65

Azimuth: Finished: Nov.10/65 Logged by: L. Koskitalo

SAMPLE NUMBER	DESCRIPTION
0.0	Pink felsophyre, fresh, cut by 10% quartz in ¼" stringers, foliated, with elongated 1 x 2 mm. quartz eyes - foliation and most quartz stringers at 50° c.n. Some hematite/ limonite stained breaks, no sulphides.
1.3	Basic volcanic, medium chloritized, some epidotization, sericitization in 1 mm. blebs and stringers, non-magnetic(?) dark green to green black, foliated at average 45° c.n., with 1-1½% disseminated and fine stringered pyrite, trace chalcopyrite, cut by 10% quartz (localized in one length) - about ¼ pyrite somewhat oxidized; volcanic also cut by some hematite/limonite stained parting.
	9.5-11.6 - Quartz-rich (50%) zone - milky, massive quartz; minor pyrite; no increase in alteration of adjacent volcanics.
11.6	Foliated and sheared felsophyre, with minor basic volcanic material, felsitic material mostly fresh, basic material low-medium chloritized, minor epidotization, foliation at average 50° c.n. 2% quartz in some ½" 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 core
	23.5-24.5 - Quartz stringer area - 25% milky to smoky quartz in ¼"-3/4" 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% quartz in 1-2 mm. eyes; some vague foliation in places at 20° c.n.; but minor; cut by 1% quartz in ¼" stringers; trace pyrite; hematite stained partins. as in near surface rocks, are nil.
	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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER: X-30

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

XXXXX Latitude: L68+00E Dip: -90° Footage Reading Corrected

XXXXXX Departure: 3+77S Depth: 102.5'

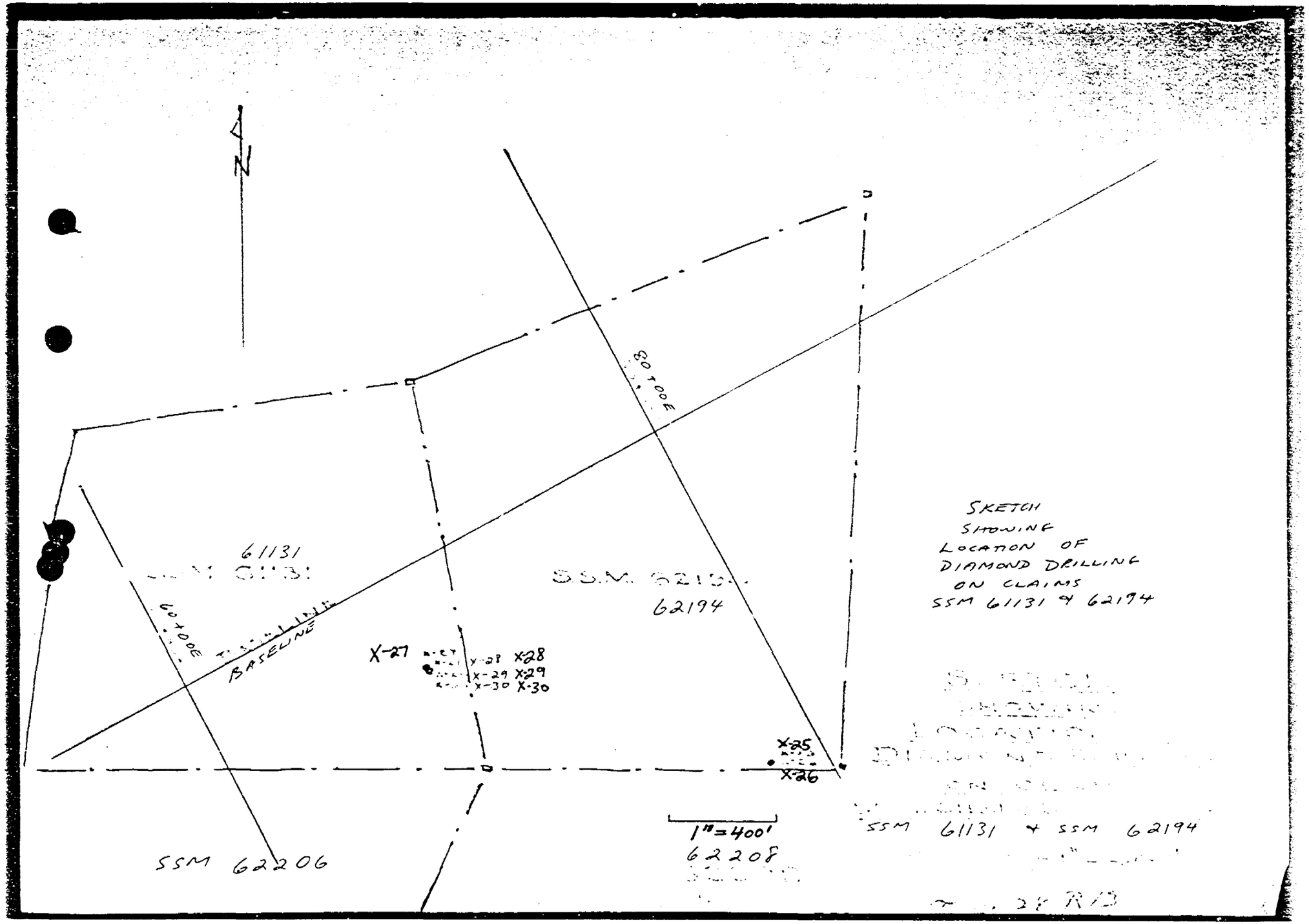
Elevation: (X-27) + 16½' Commenced: October , 1965

Azimuth: Finished: November 10, 1965 Logged by: L. Koskitalo

DIP TESTS

SAMPLE NUMBER	DESCRIPTION
	0.0
0.0	Pink felsophyre, fresh, cut by 10% quartz in 1/4" stringers, foliated, with elongated 1 x 2 mm. quartz eyes - foliation and most quartz stringers at 50° c.n. Some hematite/limonite stained breaks, no sulphides.
	1.3
1.3	Basic volcanic, medium chloritized, some epidotization, sericitization in 1 mm. blebs and stringers, non-magnetic(?) dark green to green black, foliated at average 45° c.n., with 1-1½% disseminated and fine stringered pyrite, trace chalcopyrite, cut by 10% quartz (localized in one length) - about 1/4 pyrite somewhat oxidized; volcanic also cut by some hematite/limonite stained partings.
	9.5-11.6 - Quartz-rich (50%) zone - milky, massive quartz; minor pyrite; no increase in alteration of adjacent volcanics.
	11.6
11.6	Foliated and sheared felsophyre, with minor basic volcanic material, felsitic material mostly fresh, basic material low-medium chloritized, minor epidotization, foliation at average 50° c.n. 2% 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 core.
	23.5-24.5 - Quartz stringer area - 25% milky to smoky quartz in 1/4"-3/4" stringers.
	24.5-30.3 - Strong foliation/shear zone.
	28.2-30.3 - Basic volc.
	30.3
30.3	Relatively massive felsophyre, light pink, fresh; 4-5% quartz 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 nil.
	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
102.5	End of Hole.

Lloyd Koskitalo



SKETCH
SHOWING
LOCATION OF
DIAMOND DRILLING
ON CLAIMS
SSM 61131 & 62194

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. E.B.2

LOCATION Batchawana Bay, Ont.

Latitude: 12.00S

Dip: 90°

DIP TESTS
Pajari

Footage	Reading	Corrected
677	N67°W	88°

Departure: 60.00E

Depth: 687

Elevation:

Commenced: Sept. 26/63

Azimuth:

Finished: Sept. 30/63

Logged by: Ross Shields

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing
	10.0 Altered tuffaceous volcanics, with admixed argillaceous siltstone material and interlensed argillaceous siltsonte, 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 considerable amounts of several sulphides, possibly pyrrhotite and/or pentlandite and lesser amounts of a sulphide resembling violarite. Thorough sampling awaits arrival of check assays. Mineralization is of both the disseminated and spotty types with spots of massive sulphides up to 1½ inches in size. Some jointing S planes are chloritized and/or steatized and a few are molybdenite plated.
	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, traces of molybdenite plating on some jointing S planes. The interval from 285-335 is estimated to run .75-1.3% Cu.
	309.0 Altered tuffaceous volcanics with admixed argillaceous siltstone, slightly calcareous throughout. Lightly mineralized, chalcopyrite, traces of sphalerite and molybdenite and minor amounts of possible nickel sulphides and/or arsenides. 340.0 - Green steatized claystone and some altered volcanics. 342.5 - Altered tuff and admixed argillaceous siltstone as at 309. 350.0 - Siltstones argillaceous and with minor amounts of admixed volcanics and trace amounts of sulphides.
	391.5 Fairly pure siltstone. 397.0 - Altered tuffaceous volcanics, with minor admixed argillaceous siltstone, light chalcopyrite mineralization and in places fairly strong sulphides development possibly N. sulphides
	441.0 Agglomeratic, slightly calcareous, volcanic fragments 1/32-3 inches in size, 1/32-3 inches in size, Patches of epidotization ½-1½ inches in size.
	495.0 Altered volcanics, mixed tuffaceous and agglomeratic with trace to minor amounts of chalcopyrite, nickel sulphides and/or arsenides

drilled from 6220 to 6220

DIAMOND DRILL LOG

PROPERTY.. Tribag Mining Co. Limited

HOLE NUMBER: K.B.2

LOCATION: Batchawana bay, Ontario

DIP TESTS ~~680~~ Pajari

Latitude: 12.00S

Dip: 90° ~~Pajari 677~~ ~~#670~~

Footage	Reading	Corrected
677	N67°W	680

Departure: 60.00E

Depth: 687

Elevation:

Commenced: Sept.26,1963

Azimuth: —

Finished: Sept.30,1963

Logged by: Ross Shields

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 10.0
	10.0 Altered tuffaceous volcanics, with admixed argillaceous siltstone material and interlensed argillaceous siltstone, 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 considerable amounts of several sulphides, possibly pyrrhotite and/or pentlandite and lesser amounts of a sulphide resembling violarite. Through sampling awaits arrival of check assays. Mineralization is of both the disseminated and spotty types with spots of massive sulphides up to 1½ inches in size. Some jointing S planes are chloritized and/or steatized 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, traces of molybdenite plating on some jointing S planes. The interval from 285-335 is estimated to run .75-1.3% Cu. 309.0
	309.0 Altered tuffaceous volcanics with admixed argillaceous siltstone, slightly calcareous throughout. Lightly mineralized, chalcopyrite, traces of sphalerite and molybdenite and minor amounts of possible nickel sulphides and/or arsenides. 340.0 - Green steatized claystone and some altered volcanics. 342.5 - Altered tuff and admixed argillaceous siltstone as at 309. 350.0 - Siltstones argillaceous and with minor amounts of admixed volcanics and trace amounts of sulphides. 391.5
	391.5 Fairly pure siltstone. 397.0 - Altered tuffaceous volcanics, with minor admixed argillaceous siltstone, light chalcopyrite mineralization and in places fairly strong sulphide development possibly N. sulphides. 441.0
	441.0 Agglomeratic, slightly calcareous, volcanic fragments 1/32-3 inches in size, 1/32-3 inches in size. Patches of epidotization 1/4-1½ inches in size. 495.0
	495.0 Altered volcanics, mixed tuffaceous and agglomeratic with trace to minor amounts of chalcopyrite, nickel sulphides and/or arsenides,

DESCRIPTION

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

DESCRIPTION

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. Shields

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd. HOLE NUMBER. E.B.-3

LOCATION: Batchawana Bay, Ont. DIP TESTS

Latitude: 1400 S	Dip: 90°	Footage	Reading	Corrected
	Core size 1¼"	at 500.0'		-89°
Departure: 6200 E	Depth: 501.0'			
Elevation:	Commenced: Oct.2/63	Deepening Common. Nov.16/63		
		Fin. Nov.20/63		
Azimuth:	Finished: Oct. 4/63	Logged by: M. Blecha		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing
	14.0 Gabbro, fine to medium grained, dark green; low to medium epidotization. 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 fragmented 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 carbonate 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%.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd. HOLE NUMBER: KB-3

LOCATION: Batchewana Bay, Ontario DIP TESTS

Latitude: 1400 S	Dip: 90°	Footage	Reading	Corrected
Departure: 6200E	Core Size 1¼"	at 500.0'		-89°
Elevation:	Depth: 501.0	Deepening Commen.		Nov.16/63
Azimuth:	Commenced: October 2, 1963	Fin.		Nov.20/63
	Finished: October 4, 1963	Logged by: M. Blecha		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 14.0 14.0 Gabbro, fine to medium grained, dark green; low to medium epidotization. From 14.8 to 15.3 the rock is medium sericitized, carbonatized and mineralized with 5-7% py. 20.0 20.0 Mineralized zone, 2-3% py, trace cpy in an altered fragmented zone. The rock is pale greyish green, medium to highly fragmented and contains 2-3% reddish acidic angular fragments (5mm-30mm) and 1% white siliceous and feldspathic fragments. Medium patchy epidotization and white carbonatization, low chlorite and siricite. The zone contains less than 5% short (2"-1') relatively massive gabbroic and fine grained dark green, siliceous phases. QC 1-2%. 84.0 Fine grained [illegible] aphanitic, dark green, massive, hard rock (volcanics?). Minor epidotization, 1-2% quartz carbonate stringers with trace py. Relatively sharp lower contact at 50-55° c.n. [illegible] As at 20.0'. Acidic fragments increase to 15%, and the rock resembles the rhyolite agglomerate as described in EB-11, KB-7. Trace py. 130.0 as above, but py increases to 1-2%. Locally evident gabbroic textures. 117.8 End of hole. 117.8 Deepened 117.8 Zone of weak mineralization, fragmentation and alteration, as above. 1-2% py (with local concentrations). Medium to high fragmentation, medium patchy, white carbonatization, epidotization, high patchy 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 [illegible] 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%. 208.8

DESCRIPTION

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_2. 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_2

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.

225.0 Mineralized zone, 2-3% po, 1-2% py, trace cpy, trace MoS_2 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.

DESCRIPTION

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 cpy and MoS_2. The rock has a highly brecciated appearance and consists of 10% subrounded and angular fine grained, dark green fragments (5-30mm) 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 fragmentation, 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 patches. Trace cpy, 1-2% po, py. Trace MoS_2.
216.0

216.0 Volcanics, dark green fine grained to aphanitic, relatively 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

223.6 Felsite Rhyolite?, medium fractured and fragmented, pink aphanitic acidic angular masses 90%, cut by QC stringers (5%); chloritized and carbonatized fractures 5%. Trace py.
225.0

225.0 Mineralized zone, 2-3% po, 1-2% py, trace cpy, trace MoS_2 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 fine grained (aplite?) rock, as 225.2.
230.2 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

245.0 Green dyke. pale yellowish green, fine grained, siliceous, hard, very faintly foliated at 55° c.a. Sharp, irregular lower contact.
246.6

246.6 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.
258.5

DESCRIPTION

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 ¼"(?)-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 (¼"-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.

DESCRIPTION

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 [illegible] zone breccia, in which the quartz forms a matrix in which angular fragments of altered basic material are embedded. Size of fragments ¼"-2". Note trace cpy at 174.5. Total py 1-2%, po 2-3%.
277.0 Mineralized zone, 3-4% po and py in an altered medium fragmented greenish grey rock. Medium chloritization and sericitization. Minor quartz patches near end.
278.7 Felsite? pale brownish grey, highly siliceous, aphanitic rock; medium fractured, no mineralization.
280.0 [illegible] 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° a.a. 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
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 cpy associated with a 3" highly chloritized fragment at 301.2.
302.7
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 (¼"-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 cpy in a highly altered pale greyish green sericitized and chloritized rock. Mineralization decreases after 310.0.

DESCRIPTION

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 ¼" 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 358.0 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 ¼ py increases to 3-5%.
393.5 As above, but minor fragmentation. QC5%. Note ¼" 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%.

DESCRIPTION

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
315.3 Green dyke as at, fine grained, medium sericitized, low carbonatization, 5% indistinct green pseudophenocrysts (1-10mm). Note a [illegible] quartz stringer at 317.8, surrounded by a 4" high alteration halo 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 minor phases of higher chloritization.
348.9
348.9 348.9. [illegible]ly 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 358.0 to 359.6. High fragmentation near end; 3-4% py, trace cpy.
362.6
362.6 Green dyke as at 315.0. Medium sericitization, uniform texture, 5% greenish pseudophenocrysts, massive, 2-3% finely disseminated py throughout. Low patchy carbonatization. From 391.0 on, py increases to 3-5%.
393.5 As above, but minor fragmentation. QC5%. Note ½" sphalerite stringer at 394.1.
394.8
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%.

DESCRIPTION

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 20-30° 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.

DESCRIPTION

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 Felsophyric (?) 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 Felsophyric (?) 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 quartz to 10%. Grey acidic, indistinct fragments (1-2%) 10%.
425.0

425.0 Slightly brecciated zone(rhyolite agglomerate?) 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 chloritization, 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 diabasic banding, usually at 20-30° c.a. 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.a.), and 473.3 to 474.5 (5° c.a.). 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, cut 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.

Mathews Meeker

DIAMOND DRILL LOG

L2208

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER. E.B.4

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude: 12 00S Dip: 90° Footage Reading Corrected

Departure: 61 00E Depth: 689
Core Size 1½"

Elevation: Commenced: 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 altered. 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 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 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 fracture. Variation in carbonate content serves to outline tuff banding as indicated by different degrees of effervescence under cold 1:1HCl. 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.

DIAMOND DRILL LOG

Drilled over 6220'

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: E.B.4

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 12 00S — Dip: 90° — Footage / Reading / Corrected

Departure: 61 00E — Depth: 689

Elevation: — Core Size 1⅛"

Commenced: 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 altered. 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 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 tuff reflecting 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 fracture. Variation in carbonate content serves to outline tuff banding as indicated by different degrees of effervescence under cold 1:1HCl. 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 siltstone and some pure siltstone, or very fine grained sandstone, with minor tuffaceous material, fractured in part, buff coloured, very fine grained and lensing.

DESCRIPTION

328.0

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

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

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

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.

DESCRIPTION

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.

602

602 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 arkosic upper contact, arkosic zone is one 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

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.

DESCRIPTION

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.

602

602 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 arkosic, upper contact, arkosic zone is one 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

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.

689 - End of Hole.

J. Ross Mitchell

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER. E.B.5

LOCATION: Batchawana Bay, Ontario

DIP TESTS 88°

Pajari at 500

Latitude: 11 80S Dip: 90° Footage Reading Corrected

S 63½ E

Departure: 59 00E Depth: 510

Core size: 1⅛"

Elevation: Commenced: October 11,1963

Azimuth: N/A Finished: October 14, 1963 Logged by:

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 14.0
	14.0 Argillaceous siltstone, bright yellowish greenish tan, some quartz carbonate with low grade chalcopyrite 1/10-1/4 inch spots and pyrite and traces of sphalerite, white spots semi-rounded 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
	44.0 Argillaceous siltstone as at 14.0. 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 - 25 angle 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
	119.7 Dark grey cherty felsite, slightly calcareous. 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
	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

DIAMOND DRILL LOG

PROPER... Tribag Mining Co. Limited — HOLE NUMBER: N.U.5

LOCATION: Batchawana Bay, Ontario — DIP TESTS 88°

Pajari at 500

Latitude: 11 80S — Dip: 90° — Footage / Reading / Corrected: S 63½ E

Departure: 59 00E — Depth: 510

Core size: 1⅛"

Elevation: — Commenced: October 11, 1963

Azimuth: N/A — Finished: October 14, 1963 — Logged by: Ross Shields

Ross C. Shields

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 14.0
	14.0 Argillaceous siltstone, bright yellowish greenish tan, some quartz carbonate with low grade chalcopyrite 1/10-1/4 inch spots and pyrite and traces of sphalerite, white spots semi-rounded some quartz, perhaps white feldspar, siltstone is calcareous in part, quartz carbonate and minor mineralization occur in association with minor <u>brecciation</u> and its <u>abundant jointing S planes</u>. 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
	44.0 Argillaceous siltstone as at 14.0. 56 - Quartz carbonate veinlet traces only, of chalcopyrite and pyrite. 56.5
	56.5 Greenish tuff to taupe fine banded siltstone, minor brecciation of of siltstone with some quartz carbonate lenses, banding is parallel to core in some places and at a slight 5 - 25° angle 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
	119.7 Dark grey cherty felsite, slightly calcareous. 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
	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? fre

DESCRIPTION

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

265.3 Volcanics very slightly to slightly calcareous throughout, altered, abundant amphibole recrystallization and some epidotization, some faint banding parallel or up to 15° 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.

DESCRIPTION

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

265.3 Volcanics very slightly to slightly calcareous throughout, altered, abundant amphibole recrystallization and some epidotization, 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 - 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 at437, 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 volcanic fragments and abundant epidote, containing massive pyrite.
510 - End of Hole.

Ross C. Fields

DIAMOND DRILL LOG

PROPERTY: TRIBAG MINING CO. LTD. HOLE NUMBER. EB-6

LOCATION: BATCHAWANA BAY, ONT.

					DIP TESTS Pajari	
Latitude:	11-00 S	Dip:	90°	Footage	Reading	Corrected
Departure:	60-00 E	Depth:	485.0'	485.0'	N39°W	-88°
Elevation:	95.6' above EB-1	Commenced:	Oct.18,1963			
Azimuth:	----	Finished:	Oct.20,1963	Logged by:	Matthew Blecha	

SAMPLE NUMBER	DESCRIPTION
0.0	Casing
	10.0
10.0	Gabbro, dark grey, med. gr'd, massive.
	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 cn. Med. carb'd.
	63.8
63.8	Felsite, pale pink, very hard, siliceous, aphanitic, sl. fractured, with 10% irreg. inclusions of fol'd (45° to cn), sl. chlor'd volc. rock. Upper contact sheared, lower contact gradational. Tr. cpy, py and MoS_2.
	77.6
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.
	100.0
100.0	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_2.
	118.6
118.6	Min'd Zone, 10% f. diss'd py, traces MoS_2 in a pale grey, massive, fine gr'd rock, med. carb'd (probably altered 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_2 at 251.0.
	291.0 High epidotization and brownish, feldspathic(?) alteration, faintly and irregularly foliated, slightly brecciated.
	298.0
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 med. fract'd from 322.0 on.
	323.9

DIAMOND DRILL LOG

EB-6

PROPER... THIBAO MINING CO. LTD. HOLE NUMBER: EB-6

LOCATION: BATCHAWANA BAY, ONT.

DIP TESTS

				Footage	Pajari Reading	Corrected
Latitude:	11-00 S	Dip:	90°	485.0'	N39°W	-88°
Departure:	60-00 E	Depth:	485.0'			
Elevation:	95.6' above Bm-1	Commenced:	Oct. 18, 1963			
Azimuth:	----	Finished:	Oct. 20, 1963	Logged by:	Matthew Bleeha	

Matthew Bleeha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 10.0 10.0 Gabbro, dark grey, med. gr'd, massive. 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, H. chlorite, H. shear at 55-60° to cn. Med. carb'd. 63.8 63.8 Felsite, pale pink, very hard, siliceous, aphanitic, sl. fractured, with 10% irreg. inclusions of fol'd (45° to cn.), sl. chlor'd volc. rock. Upper contact sheared, lower contact gradational. Tr. cpy, py and MoS_2. 77.6 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 Gray, f. gr'd, massive, less than 1% epidote stringers, hard. 100.0 100.0 Fault Zone, med. to high chlorite, 15% carbonate, fractured and sheared at 80-90° to cn. Core is 10% broken up. Most is gabbro. 116.8 Brecciated, h. sil., med. carb'd. 0.5% cpy, 0.5% py, tr. MoS_2. 118.6 118.6 Min'd Zone, 10% f. diss'd py, traces MoS_2 in a pale grey, massive, fine gr'd rock, med. carb'd (probably altered 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_2 at 291.0. 291.0 High epidotization and brownish, feldspathic(?) alteration, faintly and irregularly foliated, slightly brecciated. 298.0 298.0 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 gabbro (?) material at 311.0 and 312.4. Becomes med. fract'd. from 322.0 on. 323.9

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DESCRIPTION

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

DESCRIPTION

323.9 Min'd Zone, 1.5% fine diss'd cpy in an irregular foliated (80-90 to hon.) 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

Catalina Bleiler

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company, Limited — HOLE NUMBER: EB-7

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 1300S — Dip: 90°

Departure: 6000E — Depth: 623.8'

Footage	Reading	Corrected
623.4	089°	N 67° E

Elevation: — Commenced: Oct. 22,1963

Azimuth: — Finished: Oct. 26,1963 — Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION
0.0'	Casing
7.0'	
7.0'	Mineralized Zone. Chalcopyrite 1.5%, pyrrhotite 1%, pyrite tr, MoS_2, qtz-carb, 5%. Medium carbonatization, low-medium chloritization; low-medium fragmentation of a gabbroic(?) host. Fine grained acidic fragments 5%, (¼-½" 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_2 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 fresh. Minor epidote stringers, (1%).
	90.6 Mineralized zone. Chalcopyrite 1%, pyrrhotite 2-3%, pyrite, 1%, MoS_2 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 ¼ - 2".
	128.5

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company, Limited — HOLE NUMBER: BB-7

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 1300n	Dip: 90°	Footage	Reading	Corrected
Departure: 6000E	Depth: 623.8'	623.4	-89°	N 67° E
Elevation:	Commenced: Oct. 22, 1963			
Azimuth:	Finished: Oct. 26, 1963		Logged by:	M Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0' Casing 7.0' 7.0' Mineralized Zone. Chalcopyrite 1.5%, pyrrhotite 1%, pyrite tr, MoS_2, qtz-carb, 5%. Medium carbonatization, low-medium chloritization; low-medium fragmentation of a gabbroic (?) host. Fine grained acidic fragments 5%, (¼-½" 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_2 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 fresh. Minor epidote stringers, (1%). 90.6 Mineralized zone. Chalcopyrite 1%, pyrrhotite 2-3%, pyrite, 1%, MoS_2 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 ¼ - 2". 128.5

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 sericitizied, 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 (¼-3"). Cut by a 0.8' green dykelet (as at 166.2), at 207.3.
219.0 Acidic fragments increase to 75%,(¼-3"); 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 (¼-1")-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

Sheet No. · Hole No.

DESCRIPTION EB-7 p.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 fractures. Lower contact foliated at 30° c.a.

143.0 Felsophyre. Pale brownish grey, highly siliceous, slightly fractured, 10% qtz pseudophenocrysts near end. Relatively sharp upper contact at 40° c.a.
145.3

145.3 Mineralized zone. Po: 3-5%, py: 1-2%, 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%
158.7 As at 145.3
164.5 Highly altered zone; high sericite, soft, pale yellowish grey rock, becoming harder (siliceous) from 166.0 on. (probably an altered acidic rock).
166.2 Mineralized zone as at 145.3; 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 80° c.a.
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.a.
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 (¼-3"). Cut by a 0.8' green dykelet (as at 166.2), at 207.3.
219.9 Acidic fragments increase to 75%, (¼-3"); fine grained chloritic matrix, Trace sulphides. Medium fragmentation, low alteration, spotty epidotization.
226.3 Greenish porphyritic dyke, as at 207.3, contacts obscure.
[illegible] Mineralized zone. Po, py 1-2%, trace chalcopyrite; medium fragmentation, medium sericitization and carbonatization. Pale green, sericitized fragments (¼-1")-5%. Fine grained, chloritic matrix. Few short (4-5") foliated, fine grained dark siliceous phases. Two 1-2" qtz stringers. Short (less than one fott) green porphyritic dykelets at 243', 258', 262', and 264'. Qtz-carbonate: 2-3%.
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

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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 (¼"-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 (½"-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 (¼-1"), 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 agglomerate (?). 60% angular, pale green highly siliceous fragments (1"-2"), 5% siliceous fragmented dark green material, in a quartz (??%) matrix. No carbonatxe, Cpy 1%, pyl%.
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° c.n.) Red acidic fragments 1%, no carbonate; trace py.
446.6

446.6 Mineralized Zone. Cpy: 4%, pyl%, in a fine grained slightly fragmented rock as describe! at 409.0. Note a 1" 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

Sheet No. Hole No.

DESCRIPTION 5.

KB-7 p.3

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 (¼"-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 (½"-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 (¼-1"), 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 agglomerate (?). 60% angular, pale green highly siliceous fragments (1"-2"), 5% siliceous fragmented dark green material, in a quartz (35%) matrix. No carbonate. Cpy 1%, py 1%.
390.4 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° c.n.) Red acidic fragments 1%, no carbonate; trace py.
446.6

446.6 Mineralized Zone. Cpy: 4%, py 1%, in a fine grained slightly fragmented rock as described at 409.0. Note a 1" qtz stringer with sphalerite and cpy at 449.5'.
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

Kathleen Mealey

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

500.0 Zone of Fragmentation and Alteration. Greyish green siliceous rock consisting of 10-15% acidic, pale green, pink, and grey, aphanitic fragments (¼"-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.
618.0

618.0 Volcanics (?) Very fine grained, dark green, highly siliceous rock; low chlorite, minor soft brownish micaceous alteration. Faintly foliated at 60° c.n.
623.8

623.8 End of Hole.

481.2. Cpy increases to 3%, py 3%, trace sphalerite.
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

500.0 Zone of Fragmentation and Alteration. Greyish green siliceous rock consisting of 10-15% acidic, pale green, pink, and grey, aphanitic fragments (¼"-5") in a fine grained greeen, 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 carbonatized 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.
618.0

618.0 Volcanics (?) Very fine grained, dark green, highly siliceous rock; low chlorite, minor soft brownish micaceous alteration. Faintly foliated at 60° c.n.
623.8

623.8 End of hole.

Nathan Medley

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited

HOLE NUMBER: EB-8

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude:	1330 S	Dip:	90°	Footage	Reading	Corrected
Departure:	5900 E	Depth:	500.7'	500.0	-89°	A 16° W
Elevation:		Commenced:	Oct. 27,1963			
Azimuth:		Finished:	Oct. 30,1963	Logged by:	M. Blecha	

SAMPLE NUMBER	DESCRIPTION
0.0	Casing
	12.0
12.0	Mineralized Zone of Alteration and Fragmentation. Cpy 1%, py 1%, Rock consists of 30% pink, siliceous fragments, (¼"-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
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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited. HOLE NUMBER: KB-8

LOCATION: Bathcawana Bay, Ontario

Latitude: 1330 S Dip: 90° DIP TESTS

Departure: 5900 E Depth: 500.7' Footage: 500.0 Reading: -89° Corrected: S 16° W

Elevation: Commenced: Oct. 27, 1963

Azimuth: Finished: Oct. 30, 1963 Logged by: M. Blecha

Matthew Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 12.0
	12.0 Mineralised Zone of Alteration and Fragmentation. Cpy 1%, py 1%. Rock consists of 30% pink, siliceous fragments, (¼"-3") in a med. silicified, epidotized, slightly carbonatized matrix. Med. fragmentation. Qtz-carb: 3-5%. 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 aquess 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 Mineralised zone. Cpy 1%, py 1%. High fragmentation, Red acidic fragments 50%, (¼"-3"). Medium carbonatization, low chloritization of basic constituents. 66.7 Mineralised zone. Cpy 1%, py 1-2%, in a relatively undisturbed dyke rock (?), as described at 57.5. 71.2 Cpy 1-2%, 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: ¼"). Boundaries of these fragments are partly obscured by heavy alteration. 80.0 As above, but acidic constituents increase to 50-60%. 81.0
	81.0 Felsophyre (?) Dark pinkish grey, well banded at 45° c.a., Pseudoporphyritic, with 10% indistinct reddish phenocrysts in a fine grained matrix. Hard, siliceous, slightly fractured, Tr. py

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

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

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

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, sericification 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

DESCRIPTION

EB-8 p.2

Nathan Mines

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, 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. Qtz-carb: 1-2%.
151.7

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'. Contain 10% chloritic inclusions, with minor disseminated pyrite, and trace cpy. Qtz-carb: 1%
188.3

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

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, sericitization, 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 gree, soft, partly disintegrated, numerous striated 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

263.8 Zone of silicification and fragmentation, as at 199.5 Patchy soft brownish micaceous alteration, sharp lower

DESCRIPTION

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 (¼"-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

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

Sheet No. Hole No.

DESCRIPTION

Kathleen Mielon

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

271.2 Zone of fragmentation. 35-40% red acidic fragments and masses (¼"-3") in a siliceous, medium epidotised, 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?)
282.0

282.0 Highly altered Zone. High chlorite, medium carbonate. Dark green, relatively massive, except for medium fragmentation near end. Qtz-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 75o 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 (¼"-2") are embedded in a fine grained, dark green siliceous matrix. Minor epidotization near end.
302.0

302.0 Mineralised Zone. Cpy 2%, trace py 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: trace, 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

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.
358.0 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.
365.2 Silicified zone as at 303.4
387.8

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 chlorite, 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 (¼"-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.

DESCRIPTION

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 chlorite, 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 (¼"-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.

Katherine Bielig

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd.

HOLE NUMBER: EB-8 (deepening)

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude:	1330 S	Dip:	90°	Footage	Reading	Corrected
Departure:	5900 E	Depth:	708.0'	500.0	S 16° W	-88°
Elevation:			Deepening from 500.7'			
Azimuth:		Commenced:	Nov. 22, 1963			
		Finished:	Nov. 24, 1963	Logged by:	Matthew Blecha	

SAMPLE NUMBER	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	
532.0	Fault Zone. High chloritization, and sericitization. The rock is very soft, and partly disingegrated, muddy. Strongly sheared at 45°c.n.
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 ½" 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 (¼"-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	

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd., HOLE NUMBER: KB-8 (deepening)

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude:	1350 S	Dip: 90°	Footage	Reading	Corrected
Departure:	5900 E	Depth: 708.0' Deepening from 500.7'	500.0	S 16° W	-88°
Elevation:		Commenced: Nov. 22, 1963			
Azimuth:		Finished: Nov. 24, 1963	Logged by: Matthew Blecha		

SAMPLE NUMBER	DESCRIPTION		
	Note: On re-measuring of the depth of KB-8 the bottom of D.D.H. KB-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, cut by 10% qtz stringers. Fine grained "sandy" texture. 2-3% finely disseminated pyrite. Qtz stringers mostly oriented at 45-60°c.a., giving the rock a locally banded appearance. 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			
532.0	Fault Zone. High chloritization, and sericitization. The rock is very soft, and partly disintegrated, muddy. Strongly sheared at 45°c.a.		
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.a.		
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.a. Note highly sericitized fracture at 80°c.a. 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 ¼" cpy str.(50°c.a.) at		544.6
571.0	Felsite-Rhyolite? Well banded at 40°c.a. 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 of relatively fresh and sericitized rock (¼"-1") separated by hair-thin qtz stringers. Total qtz: 2-3%.		
605.6			
605.6	Felsite-Rhyolite, as above, but pale pinkish colour predominates. Still banded, but includes several massive sections.		
609.0			

1963

DESCRIPTION

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

627.2 Altered Zone. First 10" highly brecciated, with 50% pink sub-rounded, acidic, fresh fragments (¼"-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

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

708.0' End of Hole.

DESCRIPTION

609.0 Brecciated Zone. 50% yelloqish 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.a.
610.9

610.9 Felsite-rhyolite. Pale pinkish brown, aphanitic, highly siliceous, massive, with minor well banded section (70°c.a.) Minor fracturing, minor short sericitised zone. Minor qtz stringers parallel to banding.
627.2

627.2 Altered Zone. First 10' highly brecciated with 50% pink subrounded, acidic, fresh fragments ($\frac{1}{8}$"-$\frac{1}{2}$") 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.a. partly obscured by alteration. (fault?) The zone includes Realtively massive, pink, fresh section of felsite-rhyolite from 628.2-628.6 and from 630.5-631.7
633.3

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.a. 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

708.0' End of Hole.

Robertson Mining

DIAMOND DRILL LOG

PROPERTY:	Tribag Mining Company Limited			HOLE NUMBER:	EB-9
LOCATION:	Batchawana Bay, Ontario			DIP TESTS	
Latitude:	1180 S	Dip: 90°	Footage	Reading	Corrected
Departure:	5800 E	Depth: 498.0'	498.0		89°
Elevation:		Commenced: Nov. 1,1963			
Azimuth:		Finished: Nov. 5,1963	Logged by:	M. Blecha	

SAMPLE NUMBER	DESCRIPTION
0.0	Casing
19.0	
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	

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited — HOLE NUMBER: EB-9

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 1180 S — Dip: 90° — Footage — Reading — Corrected

Departure: 5800 E — Depth: 498.0' — 498.0 — 89°

Elevation: — Commenced: Nov. 1, 1963

Azimuth: — Finished: Nov. 5, 1963 — Logged by: M. Blecha

Mathew Mueleq

SAMPLE NUMBER	DESCRIPTION		
	0.0 Casing 19.0		
	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" quarts 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-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'. 123.0 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 pyirite. 162.0 Gabbro, as at 19.0; red feldspar increases to 20%. 184.0 Gabbrom 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 felspar, minor silicification. Trace py. Core broken up from 257.0-257.1, and from 258.5-259.3 259.4		

RECEIVED NOV 8 1963

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 contacts.
354.0 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

Sheet No. Hole No. [illegible]

DESCRIPTION

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. 2-4% 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 Loss 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 feldpsathic 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 contacts.
354.0 Felsite-rhyolite (?), as before, 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%.
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-rhyolite (?) 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 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. ¼" calcite stringer at lower contact.
459.2 Volcanics (?) very fine grained, dark green rock, hard; minor epidotization, minor brown micaceous alteration, irregularly foliated at 30° c.n. (flow structure?) Trace molybdenite along fracture planes, trace cpy, less than 1% carbonate.
464.0 Gabbro(?) fine-medium trained, massive, minor epidotization. Note MoS_2 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 477-479'.
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.

Hole No. [illegible]

DESCRIPTION

428.5 Felsite-rhyolite, as before, but highly fractured. Core baldly 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. ¼" calcite stringer at lower contact.
459.2 Volcanics (?) very fine grained, dark green rock, hard; minor epidotization, minor brown micaceous alteration, irregularly foliated at 30° c.n. (flow structure?)
Trace molybdenite along fracture planes, trace cpy, less than 1% carbonate.
464.0 Gabbro (?) fine-medium grained, massive, minor epidotization. Note MoS2 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 477-479'.
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..

Matthew Mulligan

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER: EB-10

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude:	1330 S	Dip:	90°	Footage	Reading	Corrected
Departure:	5800E	Depth:	502.5'	500.0'	-89° S 74°W	
Elevation:		Commenced:	November 7, 1963			
Azimuth:		Finished:	November 9, 1963	Logged by:		

SAMPLE NUMBER	DESCRIPTION
0.0	Casing
	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%, sphalerite 1-2%, in a highly altered, fragmented zone. High sericitization and chloritization, med. carbonatization. QC 50%; zone is locally strongly brecciated, with ¼"-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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd., HOLE NUMBER: EB-10

LOCATION: Batchawana Bay, Ontario

Latitude: 13.0 S Dip: 90° Footage DIP TESTS: Reading 0, Corrected

Departure: 5800E Depth: 502.5' 500.0' -89, S 74°W

Elevation: Commenced: November 7, 1963

Azimuth: Finished: November 9, 1963 Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0' Casing 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%, sphalerite 1-2%, in a highly altered, fragmented zone. High sericitization and chloritization, med. carbonatization. QC 50%; zone is locally strongly breeciated, with ¼"-1" angular fragments ofQC 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 epidetization. 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. sericitisation. QC stringers 1-2%, py 1-2%, trafe sphal., 39.4
	39.4 Altered Gabbro. Fine-medium grained, low chlorite, medium epidetization, 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

DESCRIPTION

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.
103.0 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%

DESCRIPTION

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.

103.0 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) 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.

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, cut 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, (1-20 mm). 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%,

DESCRIPTION

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

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

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

DESCRIPTION

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 (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 ¼" 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

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, (1-20 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 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

351.9 Volcanics, as before, realtively 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 fractures.
375.0 Volcanics. Epidote and carbonate alteration decreases to low, except for a few short zones. Tr py, and an occasional

DESCRIPTION

narrow cpy-filled fracture. Qtz-epidote stringers 1-2%, Note tr. MoS_2 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

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.n
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.
500.1

500.1 Volcanics, dark green, very fine grained, faintly foliated at 35° c.n. Few minor chloritized fractures. Note an irregular reddish qtz patch (¼x3") with tr.cpy at 502.0

502.5 End of Hole.

DESCRIPTION

narrow cpy-filled fracture. Qtz-epidote stringers 1-2%, Note tr. MoS_2 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, due 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 at451.1.
451.5 Gabbro, as above. Core partly broken up along a hematite-carbonate-filled fracture parallel to core.
455.0 Gabbro, as at 451.5. 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 felspathic patches. Qtz stringers 1%.
480.0

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 (1-5 mm), 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 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 Rhyolite. Brick-red, finely fractured; pseudoporphyroblasts absent. The rock is highly siliceous, aphanitic, and contains 10-15% dark grey, siliceous and epidotised patches and stringers (1-20 mm). 0.5% carbonate stringers.
500.1

500.1 Volcanics, dark green, very fine grained, faintly foliated at 35° c.n. Few minor chloritized fractures. Note an irregular reddish qtz patch (1x3") with tr.cpy at 502.0

502.5 End of Hole

Kathleen Bielig

RECEIVED NOV 14 1963

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited HOLE NUMBER: EB-11

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude: 14 00S Dip: 90° Footage Reading Corrected

Departure: 5900 E Depth: 546.8'

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 (¼"-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. 43.4 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 pseudo-phenocrysts, elongated parallel to banding (1-5mm) in a reddish-grey aphanitic matrix. Sharp upper contact at 20° 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
84.3	Altered Zone, slightly fragmented, greyish green, med. patchy carbonatization, minor epidotization, minor 1-2% reddish (1-5mm) indistinct red patches of alteration

DIAMOND DRILL LOG

PROPERTY: [illegible] Mining Company Limited — HOLE NUMBER: [illegible]-21

LOCATION: Batchewana Bay, Ontario — DIP TESTS

Latitude: 14,008 — Dip: 90° — Footage | Reading | Corrected

Departure: 5900 E — Depth: 546.8 '

Elevation: — Commenced: November 12, 1963

Azimuth: — Finished: November 14, 1963 — Logged by: M. Bleeha

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 (1"-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, 43.4 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° 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 Agglomerate 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 (rod drilling). 5% red acidic fragments, 2-3% py
	84.3
	84.3 Altered Zone, slightly fragmented, greyish green, med. patchy carbonatization, minor epidotization, minor 1-2% reddish (1-5mm) indistinct red patches of alteration

DESCRIPTION

(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.n
101.8

101.8 Rhyolite Agglomerate, 40% greyish-red pseudoporphyritic and red aphanitic fragments (¼"-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 (¼-2") 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

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 pseudo-porphyritic, angular inclusions (¼-4"). 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 ¼" quartz carbonate stringer at 153.6
155.0

(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.n.

101.8

101.8 Rhyolite Agglomerate, 40% greyish-red pseudoporphyritic and red aphanitic fragments (¼"-3") in a fragmented medium chloritized, [illegible] 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 (¼-2") in a pale green, patchy matrix. Medium epidotization, medium patchy chloritization, 1-2% cpy.

105.7

105.7 Altered fragmented Zone. Gabbroic textures 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

123.2 Mineralized Zone. 2-3% py, 1% cpy, with local concentration. The host is chloritized, fragmented, patchy, pale greenish-grey rock, containing 5% reddish acidic aphanitic and pseudoporphyritic, angular inclusions (¼-4"). 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 ¼" quartz carbonate stringer at 153.6 .

155.0

DESCRIPTION

155.0 Zone of Fragmentation and Alteration. Medium fragmentation, high patchy carbonatization and epidotization, low patchy chloritization. The rock consists of 15-20% fine grained dark greenish grey angular fragments (5-50mm), 1-2% red acidic fragments (1-30mm) 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% py, 1% trace cpy. Note patches MoS_2 at 125.5 and at 176.0.
173.0

173.0 Gabbro, Medium grained, massive, fresh, dark 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%)
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 (¼-1") 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.
207.5 4-5% cpy, 1-2% py in a Rhyolite Agglomerate. 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 green, hard, relatively fresh and massive phases, locally gabbroic texture evident. Note specks MoS_2 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 ¼") and 1% red acidic fragments and few quartz fragments are embedded in a medium carbonatized and epidotized matrix, 1% py
249.0

DESCRIPTION

155.0 Zone of Fragmentation and Alteration. Medium fragmentation, high patchy carbonatization and epidotization, low patchy chloritization. The rock consists of 15-20% fine grained dark greenish grey angular fragments (5-50mm), 1-2% red acidic fragments (1-30mm) 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% py, 1% trace cpy. Note patches MoS_2 at 125.5 and at 176.0.

173.0

173.0 Gabbro, Medium grained, massive, fresh, dark 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%)

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 202.3.

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 (1-1") 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, aphanitic, acidic fragments and masses, with inclusions of green, altered rock, as described at 207.0.

207.5 4-5% cpy, 1-2% py in a Rhyolite Agglomerate. 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 green, hard, relatively fresh and massive phases, locally gabbroic texture evident. Note specks MoS_2 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 1") and 1% red acidic fragments and few quartz fragments are embedded in a medium carbonatized and epidotized matrix, 1% py.

249.0

DESCRIPTION

249.0 Acidic Dyke, 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 1mm). 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 (¼-4"). 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 brecciated zone. Medium to high epidotization, medium carbonatization, 10-15% red acidic fragments (¼-1").
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

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

319.6 Mineralized Zone, as at 281.4 Medium patchy chloritization, epidotization and carbonatization. Medium fragmentation, 1-2% red acidic fragments (¼-1"), 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

Acidic Dyke, pale green...sh grey. Fine grained, massive. Medium carbonatized. 15% indistinct greenish pseudophenocrysts (1-2mm) in a reddish brown, aphanitic matrix. Rock speckled with 3-4% black, mafic specks (less than 1mm). Sharp irregular upper contact with 5-10% py, Lower contact is sharp irregular with a 1½" inclusionx 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 (¼-4"). 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 least.

266.2 As at 251.7

271.0 Mineralized Zone. 1%cpy, 1-2% py in a highly altered brecciated zone. Medium to high epidotization, medium carbonatization, 10-15 % red acidic fragments (¼-1")

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-6 at 286.4, and in EB-7 at 313.0.

281.4

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. (15%) Quartz carbonate 1-2%.

315.6

315.6 Gabbro, fine to medium grained, massive, fresh, dark greenish grey. Quartz carbonate 1-2%

319.6

319.6 Mineralized Zone, as at 281.4. Medium patchy chloritization, epidotization and carbonatization, Medium fragmentation, 1-2% red acidic fragments (¼-1"); 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

DESCRIPTION

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_2 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. 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

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_2, 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 ¼" 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.

DESCRIPTION

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, epidetization. Trace MoS_2 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%, 10% 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 2-3% QC. hematite stringers.
386.7

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_2, 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)

467.2 Gabbro (volcanics?), relatively massive. Fine to medium grained, dark green, relatively fresh, except for minor medium epidetized 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.

Matthew Murliq

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER: EB-12

LOCATION: Batchawana Bay, Ontario DIP TESTS

				Footage	Reading	Corrected
Latitude:	1200 S	Dip:	90°			
Departure:	6200 E	Depth:	531.3	500.0'	90° E	-88°
Elevation:		Commenced:	November 28, 1963			
Azimuth:		Finished:	December 2, 1963	Logged by:		

SAMPLE NUMBER	DESCRIPTION
0.0	Casing 9.0'
9.0	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 (¼" - 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° 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
47.4	Green Dyke. Fine grained, medium sericitized, and carbonatized, locally faintly banded at 35° c.n. Upper contact abrupt (but 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.
63.8	Mineralized Zone. 3-4% py, trace cpy, in a pale green, medium 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.
	72.0 Mineralization decreases to tr. py, alteration low. Rock is fine grained, green, and rel. hard (volc.?). Minor patches

DIAMOND DRILL LOG

PROPERTY [illegible]

HOLE NUMBER EB-12

LOCATION: [illegible] Bay, Ontario

Latitude: 1200 S

Departure: [illegible] E

Elevation:

Azimuth:

Dip: 90°

Depth: 531.0

Commenced: November 28, 1963

Finished: December 2, 1963

Logged by: Matthew Blecha

DIP TESTS

Footage	Reading	Corrected
300.0'	90°,	-88°

SAMPLE NUMBER		DESCRIPTION
	0.0'	Casing 9.0'
	9.0	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, (½" - 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 fagments 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° c.a.) 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
	47.4'	Green Dyke. Fine grained, medium sericitized, and carbonatized, locally faintly banded at 55° c.a. Upper contact abrupt (but 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.a.
	63.8	Mineralized Zone. 3-4% py, trace cpy, in a pale green, medium 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. 72.0 Mineralization decreases to tr. py, alteration low. Rock is fine grained, green, and rel. hard (volc.?). Minor patches

DESCRIPTION

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 carbonatization.
119.0

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 in places
152.5 Mineralized Zone, as above, but the host is gabbro. Fine to medium grained, uniform texture. Medium chloritization, minor local carbonatization, and epidotization.
168.0

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 constituents. 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

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.

DESCRIPTION

of brown micaceous alteration. Minor epidote stringers.
74.5 Mineralized Zone as at 69.8'. 1-2% cpy, 5% py.
77.0 Tr. py, cpy in a relatively fresh, fine grained, rock, as at 72.5'
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.a., 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., in 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. carbonatization.
119.0

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. Probably altered volcanics, but gabbroic texture is evident in places.
152.5 Mineralized Zone, as above, but the host is gabbro. Fine to medium grained, uniform texture. Medium chloritization, minor local carbonatization, and epidotization.
168.0

168.0 Gabbro. Fine to medium grained, uniform texture, low chloritization, medium to high epidotization. 1% sulphides.
172.5 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 medium grained. Local minor epidotization, and red staining of feldspar constituents. 1% py along fractures, tr. cpy. Note striated slip plane at 80° c.a. 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

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

240.0 Gabbro. Green, fine grained, uniform texture, fresh and massive. Minor p 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.

DESCRIPTION

Medium red staining of feldspar constituents. Minor carbonatization
259.5 Mineralization decreases to 3-5% py, tr. cpy, tr. MoS_2.
Medium chloritization, minor local fragmentation minor epidotization.
Rock is faintly foliated at 60° c.n.
268.0

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

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.
329.5

329.5 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

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.
339.3

Medium red staining of feldspar constituents. Minor carbonatization
259.5 Mineralization decreases to 2-3% py, tr. cpy, tr. MoS_2. Medium chloritization, minor local fragmentation minor epidotization. Rock is faintly foliated at 60° c.a.
268.0

268.0 Zone of Foliation. Dark green fine grained, distinctly foliated rock at 60° c.a. The foliation consists of alternating layers (1-2 mm) of dark green mafics, brownish (sericitized ?) feldspathic material, and bands of dark brown, micaceous alteration material. 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 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 form 80 - 90° c.a. 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

284.5 Zone of Foliation. Foliation (80-90° c.a.) 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 foliationw 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.a., cut by a 2" white carbonate stringer at 20° c.a., with irregular elongated inclusions of highly chloritized material. Minor brecciation near end.
329.5

329.5 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.a. 1-2% red feldspathic patches, and 1-2% quartz.
334.6

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 50-50% reddish-grey, acidic, aphanitic fragments, and patches in a chloritized and epidotized matrix.
339.3

DESCRIPTION

339.3 Gabbro. Fine to medium grained, fairly uniform texture, with 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 at 442.0. Note a highly chloritized zone, cut by a 2" carbonate stringer with chloritic inclusions, (minor fault)? at 446.7 to 447.3'.

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_2, 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

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_2. 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.

DESCRIPTION

339.3 Gabbro. Fine to medium grained, fairly uniform texture, with 40% feldspar constituents, locally stained red. The rock is unevenly epidotised, (10-15%), and locally carbonatized. Cut by 1-2% QC stringers. 1-2% py, tr. cpy, associated with epidote. Tr. molybdenite along fracture planes; 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 at 442.0. Note a highly chloritized zone, cut by a 2" carbonate stringer with chloritic inclusions, (minor fault)?, at 446.7 to 447.3'.

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.a.) 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 (½mm to 5mm), 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, mineralized zone described below.

477.2

477.2 Mineralized Zone. 5-6% cpy, tr. MoS_2, in an irregularly foliated zone. Foliation ranges from 60-90° c.a. High epidotization, medium patchy chloritization, and medium red feldspathic alteration. 5-7% grey introduced quartz.

479.7

479.7 Volcanics. Dark green, fine grained to aphanitic, relatively massive and fresh. First two feet fairly, irregularly foliated, and weakly mineralized with traces cpy, py and MoS_2. 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 D.D.H. EB-6. From 522.0' the rock becomes patchy, due to pale greyish, hard alteration (30%), associated with epidote stringers. Note a ½" qtz stringer parallel to core from 526.0 to 529.5'. Local indistinct, faint foliation at 45° c.a.

531.3

531.3 End of Hole.

Kathleen Mielig

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd. HOLE NUMBER: EB-13

LOCATION: Ba chawana Bay, Ontario DIP TESTS

				Footage	Reading	Corrected
Latitude:	1290 S	Dip:	- 90°			
Departure:	6100 E	Depth:	533.7'	500.0'	S 54°W.	-88°
Elevation:		Commenced:	Dec. 3, 1963			
Azimuth:		Finished:	Dec. 8, 1963	Logged by:	Matthew Blecha	

SAMPLE NUMBER	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 (¼"-2") of granitic material which consist of 10-15% qtz pseudo-phenocrysts, 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° .n., 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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Ltd., HOLE NUMBER: EB-13

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude:	1290 S	Dip:	- 90°	Footage	Reading	Corrected
Departure:	6100 E	Depth:	533.7'	500.0'	S 54° W	-88°
Elevation:		Commenced:	Dec. 3, 1963			
Azimuth:		Finished:	Dec. 8, 1963	Logged by:	Matthew Bleeha	

SAMPLE NUMBER	DESCRIPTION
	0.0' Casing. 14.0 14.0 Mineralized Zone. 3-5% py, 2-3% po, in a highly altered, mod. 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 (¼"-2") of granitic material which consist of 10-15% qtz pseudo-phenocrysts, and red feldspar phenocrysts in a red, aphanitic, matrix. 2-3% white, angular and subrounded qtz fragments and patches, (¼"-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, an massive., dark green, hard. Abrupt upper contact at 15° c.a., lower contact at 10-15° c.a. First 10" are medium grained, and faintly foliated at 15° c.a. 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 (¼"-5"). Note relatively fresh and massive gabbroic, amphibole 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

DESCRIPTION

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 necessarily 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 chloritized 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, medium carbonatization, medium fragmentation.
194.0 Mineralized Zone py 5%, po 5%, tr. cpy; in a highly chloritized gabbro (?). Medium coarse grained, becoming fine grained at 197.0. 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

216.0 Gabbro. (?) Dark green, medium to coarse grained, amphibole-rich slightly chloritized. Faintly foliated at 20° c.n. near end. 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

227.5 Diabase. Dark brownish green, medium to coarse grained, massive. 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

229.4 Mineralized Zone. As at 108.9. 7-8% py and po. High sericitization near end.
231.6

231.6 Felsite. Pale pinkish brown, acidic, aphanitic, hard, slightly fractured. Minor chloritized and sericitized patches, faint local banding at 40° cn. Trace py.
235.7

DESCRIPTION

158.5' Mineralized Zone. 2-5% cpy, (concd in first 12" and near end), 5% py, 2-5% 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 necessarily 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, realtively massive, dark greyish green, medium chloritized 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 chloritization, sericitization, medium carbonatization, medium fragmentation.
194.0 Mineralized Zone. py 5%, po 5%, tr. cpy, in a highly chloritized gabbro (?). Medium coarse grained, becoming fine grained at 197.0. 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

216.0 Gabbro. (?) Dark green, medium to coarse grained, amphibole-rich, slightly chloritized. Faintly foliated at 20°c.n. near end. 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

227.5 Diabase. Dark brownish green, medium to coarse grained, massive. 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

229.4 Mineralized Zone. As at 108.9 7-8% py and po. High sericitization near end.
231.6

231.6 Felsite. Pale pinkish brown, acidic, aphanitic, hard, slightly fractured. Minor chloritized and sericitized patches, faint local banding at 40°cn. Trace py.
235.7

DESCRIPTION

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 (¼"-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

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.
309.0

DESCRIPTION

245.7 Mineralized Zone. 5-7% py, 3-5% 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 240.5, 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.a.). 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.a. 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.a. at288.5-289.0, 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.a.

291.4 Mineralized Zone. 2-3% cpy, 1-2% py and po, in a highly altered fragmented zone. High patchy chloritization, and sericitization, medium carbonatization. 5% grey, acidic, angular fragments ($\frac{1}{2}$"-1"). Note a 0.4' barren, greenish dyke as at265.7', 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% ulph.

298.9

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.a. 5% interstitial chlorite, tr. py. Note $\frac{1}{8}$" qtz stringer at 45°c.a. at 306.7

309.0

DESCRIPTION

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

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

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

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

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.

DESCRIPTION

308.0 Mineralized Zone. 1-2% cpy, 4-5% po and py, in a greenish grey highly altered, fragmented zone. High patchy chloritization, sericitization, low carbonatization, Qtz 7-10%.
311.6

311.6 Green Porphyry Dyke. Pale greenish green, porphyritic, relatively massive. Medium sericitized, slightly carbonatized; consists of 30% anhedral and subhedral chloritized and sericitized green phenocrysts (1-10 mm) in a pale green, relatively hard, fine grained to aphanitic matrix. Rock contains about 5% well 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

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, [illegible] 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 form 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.n. 10% interstitial chlorite, 5% QC. Tr. py. Sharp lower contact at 35-40°c.n.
348.5

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 (¼"-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

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.

DESCRIPTION

Total sulphides 1%. (only 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. 5-7% red acidic fragments (1/8"-½") 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_2 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 (¼"-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" qtz stringer at 50°cn.at 481.9'
483.6

483.6 Gabbro. As at 480.0. Medium epidotization, minor fragmentation. QC 3%.
489.0

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 sulphides at [illegible] Note a 1" patch of [illegible] Note a highly chloritized zone with 40% quartz-epidote stringers from [illegible], and a highly chloritized, fractured zone from [illegible].
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.a. 5-7% red acidic fragments ($\frac{1}{8}$"-$\frac{1}{4}$"), 4 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 ($\frac{1}{8}$"-$\frac{1}{2}$"), 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, maximum. 1-2% po, py, tr. cpy. Cut by a 3" fine grained, slightly sericitized dykelet at 426.2
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 dykelts at 437.7'.
444.4 Grey, acidic, aphanitic, fragmented rock, locally faintly foliated at 35°c.a. 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$_2$ 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.
468.3 Fragmented Zone. Med-high epidotization, 5% red acidic fragments ($\frac{1}{4}$"-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 468.3 Note 1" qtz stringer at 50°c.a. at 481.9' 483.6'.

483.6 Gabbro. As at 480.0. Medium epidotization, minor fragmentation. QC 3%.
489.0

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

DESCRIPTION

492.1 Felsite-Rhyolite (?) Red, acidic, siliceous, aphanitic, fractured rock with 5% interstitial chlorite.
496.0

496.0 Fragmented Zone, 10% red acidic fragments (¼"-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_2 throughout. Qtz 3-4%.
533.7

533.7 End of Hole.

DESCRIPTION [illegible] No. [illegible]73

492.[illegible]	Felsite-rhyolite [illegible] siliceous, aphanitic, fractured rock with [illegible]% interstitial chlorite. 496.[illegible]
496.0	Fragmented Zone, [illegible]% red acidic fragments ($\frac{1}{4}$"-4") in 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 (micaceous alteration?) at 501.0 Tr. py, po, cpy, MoS_2 throughout. Qtz [illegible]%. 533.7
533.7	End of Hole.

Matthew Medig

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: EB-14

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude: 1300S

Dip: -65°

Pajara at 480' - 64° N29*W(Magn)
Footage Reading Corrected

Departure: 6000E

Depth: 487'

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 vuggy. Predominantly basic (gabbroic) fragments; 10-15% highly sericitized, indistinct felsitic fragments; 2-3% quartz stringers and patches. Trace MoS_2 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
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. 2-3% quartz carbonate. Locally evident gabbroic texture.

DIAMOND DRILL LOG

PROPE. .: Tribag Mining Co. Limited — HOLE NUMBER: EB-14

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Pajari at 480' - 64° N29°W(Magn)
Footage Reading Corrected

Latitude: 13003 — Dip: -65°

Departure: 6000E — Depth: 487'

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 vuggy. Predominantly basic (gabbroic?) fragments; 10-15% highly sericitized, indistinct felsitic fragments; 2-3% quartz stringers and patches. Trace MoS2 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 grey, siliceous, relatively fresh, minor sericitization. 201.5
	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. 2-3% quartz carbonate. Locally evident gabbroic texture.

DESCRIPTION

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 Mineralized Zone. 5% pyrite, trace chalcopyrite, in a medium fragmented, patchy medium chloritized and epidotized rock.
300.0

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. Faint, 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. Massive, 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

360.0 Gabbro, as at 342.0.
365.0 - Quartz carbonate vein.
366.0

366.0 Zone of Shattering. Highly chloritized, low-medium shattered basic rock. 5% quartz carbonate.
368.0 - Becoming relatively massive, but still highly chloritized. Probably part of a composite fault zone extending from 359.2-378.0.

DESCRIPTION

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

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.

Robert Mulligan

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited , HOLE NUMBER: EB-15

LOCATION: Batchawana Bay, Ontario

Latitude: 1300S Dip: -60° DIP TESTS

Departure: 6000E Depth: 479.0' Footage: Pajari at 450' Reading: -59°,S74°W Corrected:

Elevation: Commenced: April 7,1964

Azimuth: -(Grid)due west 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% pyrrhotite 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
	180.3 Felsite - pale greenish brown, well banded 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 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.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: KB-15

LOCATION: Batchawana Bay, Ontario — DIP TESTS

				Footage	Reading	Corrected
Latitude:	13003	Dip:	-60°	Pajari at 450'	-59°,874°W	
Departure:	6000E	Depth:	479.0'			
Elevation:		Commenced:	April 7, 1964			
Azimuth:	-(Grid)due west	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% pyrrhotite 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
180.3	Felsite - pale greenish brown, well banded at 80-90° c.n. Highly sericitized. Locally, tuffaceous appearance, similar to rock encountered in KB-19 at 76.0. 187.7
187.7	Zone of fragmentation, low fragmentation, low alteration, fine grained, dark grey vole(?) 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.

DESCRIPTION

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% chalcopyrite, 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 - 4-5% sphalerite, in a highly sericitized fragmented, partly disintegrated, pale greenish grey rock.
251.0 - 1% chalcopyrite, 1% sphalerite, in a slightly fragmented, medium chloritized, predominantly fine grained, basic rock.

253.8

253.8 Felsite - Pale, brownish green, highly sericitized, soft, mineralized with 4-5% sphalerite. 3-4% pyrite. (15% pyrite at 257.0-258.5).
271.2 - Sphalerite mineralization increases to 6-7%.
273.5 - High shatter and sericitization. 5% sphalerite.

275.5

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% chalcopyrite.

283.3

283.3 Green Felsite - medium grained, pale yellowish green, porphyritic with 5-10% indistinct quartz phenocrysts. Same as in EB-20 at 35.0.

286.0

286.0 Zone of weak fragmentation. Basic fine grained host. Medium chloritization; 2-3% fine quartz carbonate stringers. Highly brecciated near end.

290.5

290.5 Felsite - Pale grey, fractured, but not fragmented.

292.5

292.5 Gabbro, diorite - relatively fresh and massive. Good dioritic texture. Less than 1% chalcopyrite along fractures.
320.0 - Gabbro(?) Becoming fine grained, indistinct texture, relatively fresh and massive. Less than 1% chalcopyrite, 1% pyrite. Possibly volcanics? Minor epidotization and amphibolitization.

332.5

332.5 Volcanics - (Andesite?) Fine grained, dark green, low chloritization, minor local fragmentation, medium epidotization. Trace chalcopyrite. Development of chlorite along occasionally striated slip planes. 5% fine quartz carbonate stringers. Same as in bottom part of EB-6.

DESCRIPTION

	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
399.5	Volcanics, 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.

Matthew Bluley

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: EB-16

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude:	1300S	Dip:	-65°	Footage	Reading	Corrected
Departure:	5900E	Depth:		Pajari at 390'	-65°	
Elevation:		Commenced:	April 12,1964			
Azimuth:	330°	Finished:	April 16, 1964	Logged by:	Matthew Blecha	

SAMPLE NUMBER	DESCRIPTION
0.0	Casing
7.0	
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_2, in a fragmented zone, as before. Medium chloritization, carbonatization,and epidotization. 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_2 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
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
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

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: BB-16

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 13003 — Dip: -65° — Footage — Reading — Corrected

Departure: 5900E — Depth: 397.5 — Pajari at 390' — -65°

Elevation: — Commenced: April 12, 1964

Azimuth: 330° — Finished: April 16, 1964 — Logged by: Matthew Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 7.0
	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_2, in a fragmented zone, as before. Medium chloritization, carbonatization, and epidotization. Predominantly gabbroic, with 5% felsitic fragments, locally highly sericitized. 32.5 - Gabbro - medium grained, relatively fresh and massive, "spotty" texture due to darker colour of amphibole xals. Trace MoS_2 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
	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
	112.0 Zone of Low Fragmentation - Almost massive, relatively fresh to low chloritized, fine grained, grey (vole?) host. 1% pyrite. 115.0
	115.0 Mineralized Zone. 3-4% pyrite, trace chalcopyrite in a highly

DESCRIPTION

fragmented zone. 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 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.

DESCRIPTION

fragmented zone. 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

146.5 Zone of Fragmentation. Highly fragmented, chloritized and sericitised. 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 medium-high; trace pyrite.
166.7 - Fragmentation 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 sericitised, 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.

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 Foliation and Amphibolitization. High, but irregular foliation due to parallel orientation of amphibole needles, mostly at 70^{o}-90^{o} 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

377.3 Volcanics - dark green, fine grained, locally distinctly foliated at 50^{o} c.n. 5-7% epidote stringers, and 2-3% reddish feldspathic patches and streaks. 1-2% quartz carbonate stringers. 1% pyrite, trace MoS_2. Note 0.7' fractured quartz vein at 393.0.

397.5

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 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 - Gabbro - 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

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_2. Note 0.7' fractured quartz vein at 393.0.

397.5

397.5 End of Hole.

Arthur Meeks

DIAMOND DRILL LOG

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: 546.5'

Elevation: — Commenced: April 17, 1964

Azimuth: 330° — Finished: April 20, 1964 — Logged by: Matthew Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 12.0
	12.0 Mineralized Zone. 3-4% pyrrhotite, 304% pyrite, less than 0.5% chalcopyrite, trace MoS_2 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_2, 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 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 Mineralized Zone. 1-2% chalcopyrite, 2-3% pyrrhotite, 3-4% pyrite, trace MoS_2 in a patchy, medium chloritzed, sericitized and carbonatized rock.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: KB-17

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 13003 — Dip: -65° — Footage / Reading / Corrected

Departure: 6100E — Depth: 546.5

Elevation: — Commenced: April 17, 1964

Azimuth: 330° — Finished: April 20, 1964 — Logged by: Matthew Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 12.0
	12.0 Mineralised Zone. 3-4% pyrrhotite, 3-4% pyrite, less than 0.5% chalcopyrite, trace MoS_2 in a highly altered, highly fragmented zone, as in KB-2. Patchy, pale grey, highly sericitised, carbonatised and chloritised rock. Unrecognisable host, probably gabbroic. First 5 feet oxidised 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 - Mineralised Zone, as at 12.0. 5-7% pyrite, 2-3% pyrrhotite, trace chalcopyrite and MoS_2, probably gabbroic host. 165.5 - Green Dyke, fine grained, sugary texture, highly sericitised, relatively massive. Trace pyrite. 168.0 - 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. Note pale yellowish-green highly sericitised 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 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 MoS_2 in a patchy, medium chloritised, sericitised and carbonatised rock.

DESCRIPTION

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 Fragmentation. 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_2.
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 chloritization, high, irregular shearing. Core broken up. No mineralization. Numerous striated slip planes.
367.5

367.5 Gabbro - Medium grained, relatively massive, medium-high chloritized, mineralized with 2-3% finely disseminated pyrite. Minor epidote. 2-3% quartz carbonate, trace MoS_2.
372.0

372.0 Mineralized Zone. 7-8% pyrite, less than 1% chalcopyrite in a medium fragmented, gabbroic zone. Medium-high chloritization. 5-7% greenish brown sericitized felsitic fragments.
381.0

381.0 Zone of Fragmentation. 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

391.0 Gabbro - Relatively massive, spotty texture, due to dark stubby amphibole crystals. 3-4% epidote, medium chloritization, 1% sulphides. Minor local fragmentation.

DESCRIPTION

398.0

398.0 Volcanics, Andesite(?) Dark green, fine grained, relatively massive, low chloritization, cut by 2-3% epidote, 2-3% quartz 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 striated 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

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% quartz carbonate stringers, trace pyrite and chalcopyrite.

505.5

505.5 Gabbro - Medium grained, massive, relatively fresh, dark green, "spotted" texture. 1-2% quartz 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.

Matthew Mulq

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: EB-18

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude:	1300S	Dip:	-65°	Footage	Reading / Corrected
Departure:	6200E	Depth:	570.3	Pajari at 500.0'	338°, -63°
Elevation:		Commenced:	April 21, 1964		
Azimuth:	330°	Finished:	April 24, 1964	Logged by:	M.Blecha

SAMPLE NUMBER	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_2, 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% pyrite, less than 1% chalcopyrite, trace MoS_2 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

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

239.5 Zone of Foliation. Distinctly foliated (55°c.n.) amphibole-rich 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.

DIAMOND DRILL LOG

PROPE. .: Tribag Mining Co. Limited — HOLE NUMBER: EB-18

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 13008 — Dip: -65° — Footage — Reading — Corrected

Departure: 6200E — Depth: 570.3 — Pajari at 500.0' — - 338°, -63°

Elevation: — Commenced: April 21, 1964

Azimuth: 330° — Finished: April 24, 1964 — Logged by: M. Blecha

SAMPLE NUMBER	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% pyrrhotie, less than 1% chalcopyrite, trace MoS_2, 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% pyrite, less than 1% chalcopyrite, trace MoS_2, 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
221.5	Zone of fragmentation. Gabbroic host, low chlorite, medium carbonatization and epidotization. 3-4% pyrite, less than 1% chalcop yrite. The zone contains a few, short, massive, gabbroic sections. Note fractured, pale pink felsitic inclusion at 237.0-238.0. 239.5
239.5	Zone of Foliation. Distinctly foliated (55° c.n.), amphibole-rich 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.

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 MoS_2 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_2. 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

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_2.
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.

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 MoS_2 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_2. 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

362.0 Zone of Low Fragmentation. Dark grey, fine grained basic host, hard, relatively fresh. Contains 5-7% raddish grey, cherty acidic fragments. Less than 2% epidote, 1% pyrite, trace chalcopyrite and MoS_2.

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 (1-3 mm) in an aphanitic matrix. Sharp upper contact at 15° c.n., lower at 20° c.n. Trace pyrite.

DESCRIPTION

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

482.5 Zone of Amphibolitization and Foliation. Medium-coarse grained rock, consisting of 50% amphibole needles (1 x 5-7mm.) showing sub-parallel orientation at 50^{o} c.n.

485.0

485.0 Fault Zone. Highly chloritized, sheared (60^{o} 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^{o} c.n. Distinctly gabbroic.

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

500.0

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_2 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

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.

DESCRIPTION

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

482.5 Zone of Amphibolitization and Foliation. Medium-coarse grained rock, consisting of 50% amphibole needles (1 x 5-7 mm.) showing sub-parallel orientation at 50° 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

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. Note minor irregular flow structures. Trace MoS_2 along fractures.

540.0 - Becoming slightly coarser grained, and weakly amphibolitized. Decrease in epidote to 2-3%.

547.7 - Quartz vein, pale grey, fractured, trace cpy.

548.3

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.

Matthew Medus

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: EB-19

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude: 1139.75S Dip: -90°

Footage Reading Corrected
(at 500' : -87°,N34°W,Pajari)

Departure: 6104.59E Depth: 558.3

Elevation: Commenced: April 27, 1964

Azimuth: Finished: May 2, 1964 Logged by: M.Blecha

SAMPLE NUMBER	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		
	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. 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 MoS_2. 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, cherty with minor pinkish phases. Fractured, locally fragmented. 1% pyrite. Irregular, silicified lower contact. Sheared at 60° c.n. at 106.5-107.5.		

DIAMOND DRILL LOG

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

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 1139.75S — Dip: -90° — Footage / Reading / Corrected (at 500' : -87°, N34°W, Pajari)

Departure: 6104.59E — Depth: 558.3

Elevation: — Commenced: April 27, 1964

Azimuth: -- — Finished: May 2, 1964 — Logged by: M. Blecha

SAMPLE NUMBER	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
	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-3 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. 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 MoS_2. 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, cherty with minor pinkish phases. Fractured, locally fragmented. 1% pyrite. Irregular, silicified lower contact. Sheared at 60° c.n. at 106.5-107.5.

DESCRIPTION

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

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

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.

DESCRIPTION

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

151.0 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.) zone from 154.7-156.5, with minor secondary quartz carbonate. Note 1.0' fragmented, epidotized zone at 200.2-201.2.

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 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. ~~Note highly epidotized zone~~ 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 chloritization 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.

DESCRIPTION

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_2 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

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_2.

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.

DESCRIPTION

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_2 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

406.0 Zone of Fragmentation. 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_2.

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.

Matthew Medig

DIAMOND DRILL LOG

PROPEK: Tribag Mining Co. Ltd. HOLE NUMBER: EB-25

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude: 16,820E Dip: -90° Footage Reading Corrected

Departure: 8880N Depth: 508.0'

Elevation: Commenced: June 3, 1965

Azimuth: Finished: June 7, 1965 Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0
0.0	Casing.
	8.0
8.0	Zone of High Fragmentation. Pale, greyish-green rock, medium 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. Quartz 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 epidotization. Note 2" carbonate veinlet at 137.5.
	177.0
177.0	Quartz Porphyry. Pink, aphanitic, acidic rock; 10% quartz phenocrysts (anhedral) fairly fresh, but strongly fractured, with few fractured, coated with MoS_2. 3-4% quartz 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 - Quartz Porphyry - as before, fairly fresh.
	231.5
231.5	Zone of High Silicification. 60% fine quartz, forming a "stockworke" of intersecting stringers. Quartz porphyry host. Note traces of MoS_2 coating occasional fracture.
	252.0
252.0	Felsite - aphanitic, pinkish green, due to high sericitization. Weakly mineralized with traces chalcopyrite, and MoS_2 along fractures. Fairly strongly fractured and cut by 2-3% quartz stringers. 268.0 - Felsite, as above, but becoming fairly fresh, pink, but still fractured. Trace MoS_2. Quartz carbonate 5%. 329.0 - Increase in quartz stringers to 10-15%.
	335.0
335.0	Fragments basic volcanics, low fragmentation, medium chlorite, 2-3% pyrite, trace chalcopyrite. Minor epidote and feldspathic alteration.

Sh No. 2. Hole No. LB-25

DESCRIPTION

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

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.

William Meeks

DIAMOND DRILLING

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

Core Size: AX 1-5/16"

Hole No.	Angle	Length ok.	Dates	Claim No.
EB-3	-90°	383.2 (Deepened)	Nov.16-20/63	62208
EB-12	-90°	531.3	Nov.28-Dec.2/63	"
EB-13	-90°	533.7	Dec. 3-8/63	"
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	"
EB-19	-90°	558.3	Apr.27-May 2/64	"
EB-25	-90°	508.0	Jun.3-7/65	"
	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.

DIAMOND DRILLING

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

Core Size: AX 1-5/16"

Hole No.	Angle	Length	Dates	Claim No.
EB-3	-90°	383.2 (Deepened)	Nov.16-20/63	62208
EB-12	-90°	531.3	Nov.28-Dec.2/63	"
EB-13	-90°	533.7	Dec. 3-8/63	"
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	"
EB-19	-90°	558.3	Apr.27-May 2/64	"
EB-25	-90°	508.0	Jun.3-7/65	"
	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.

DIAMOND DRILLING

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

Core Size: AX 1-5/16"

Hole No.	Angle	Length	Dates	Claim No.
EB-8	-90°	207.3 (Deepening)	Nov.22-24/63	62206
EB-9	-90°	498.0	Nov.1-5/63	62206
EB-10	-90°	502.5	Nov.7-9/63	62206
EB-11	-90°	546.8	Nov.12-14/63	62207
EB-14	-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	-65°	397.5	Apr.12-16/64	62206
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.

DIAMOND DRILLING

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

Core Size: AX 1-5/16"

Hole No.	Angle	Length	Dates	Claim No.
EB-8	-90°	207.3 (Deepening)	Nov.22-24/63	62206
EB-9	-90°	498.0	Nov.1-5/63	62206
EB-10	-90°	502.5	Nov.7-9/63	62206
EB-11	-90°	546.8	Nov.12-14/63	62207
EB-14	-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	-65°	397.5	Apr.12-16/64	62206
	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.

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.

X SERIES

dd. Logs.

Holes X4 - X8 incl.
X10 - X12 incl.
X14 & X15
X19
X22, ~~X23~~ to X30

Plans for Logs of X19, X22, X23
See master plan for location

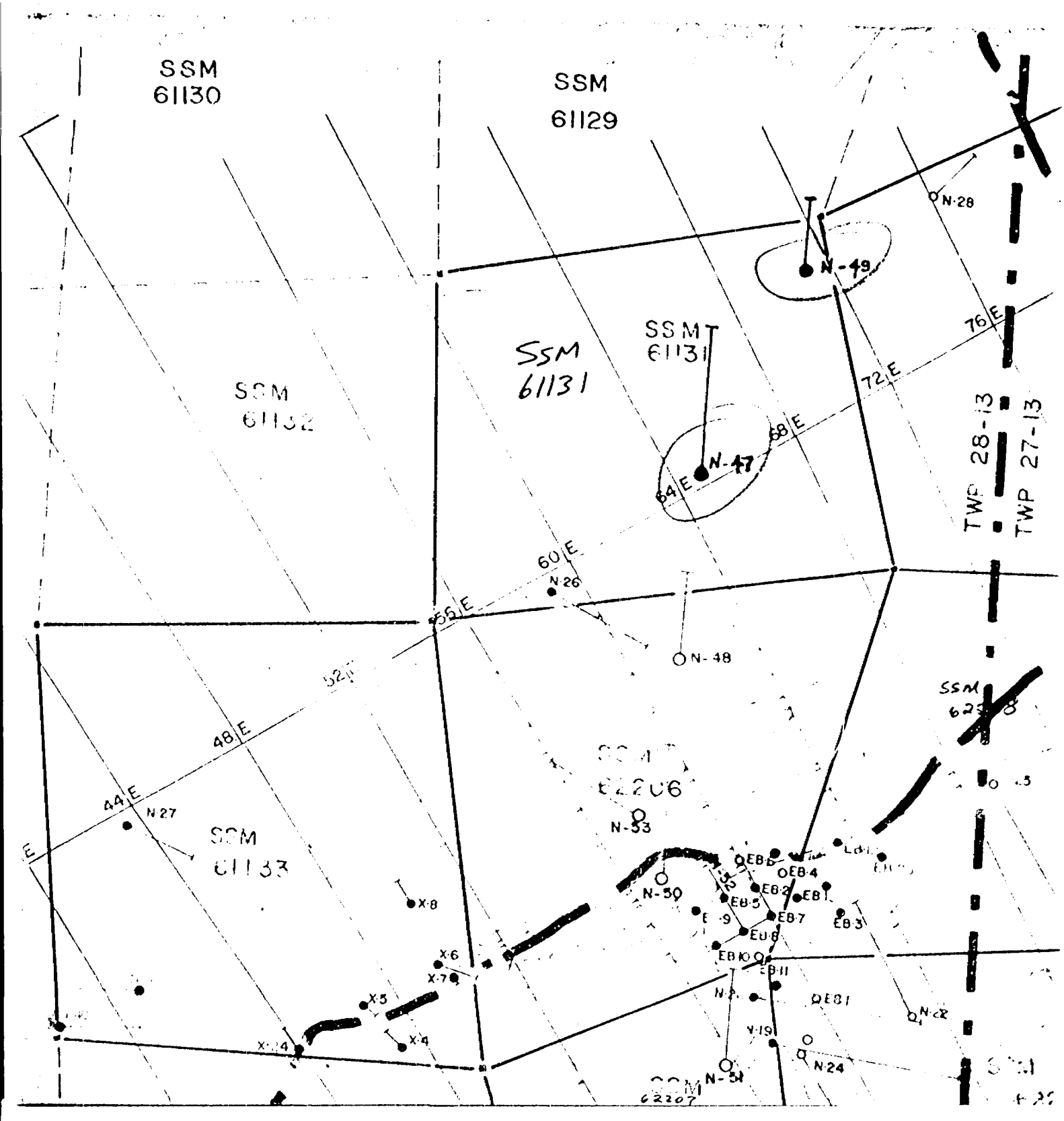
X-4 to X12
See grid for Locs. X14 & X15

TRIBAG MINING CO. LTD.

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

SCALE: 1" - 400'

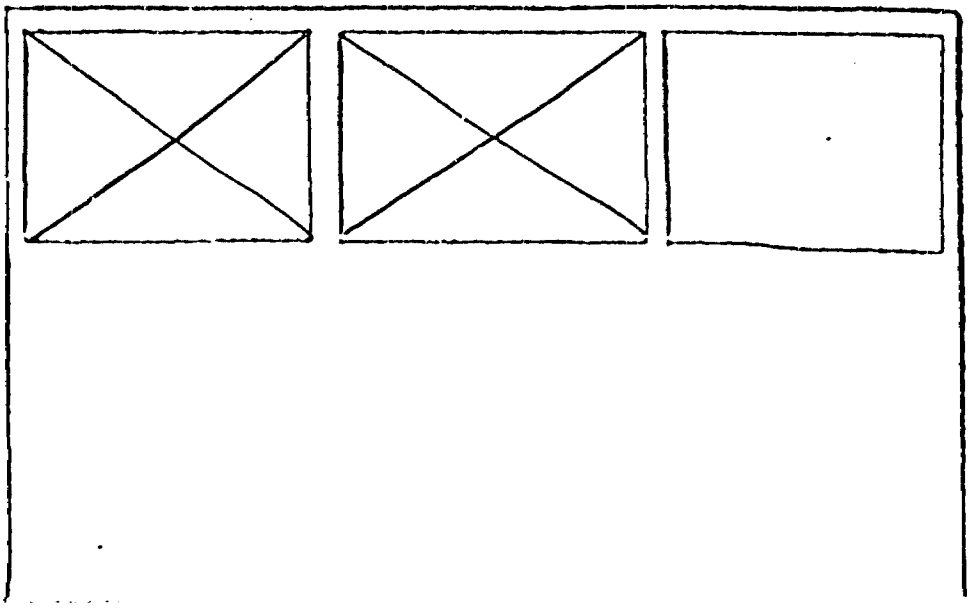
April 26,
1967



SEE ACCOMPANYING MAP(S) IDENTIFIED AS

NICOLET - 0013, #1, 2

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



Twp. 28 Range 14 (M.1529)

M-1527

TWP. 28 RANGE 13

DISTRICT OF
ALGOMA

1" = 40ch

SAULT STE MARIE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

RE SURVEY 1949 — O.L.S. J.A. LOWERGAN

Kincaid Twp. (M.1286)

Twp. 27 Range 13 (M.1516)

Palmer Twp. (M.1326)

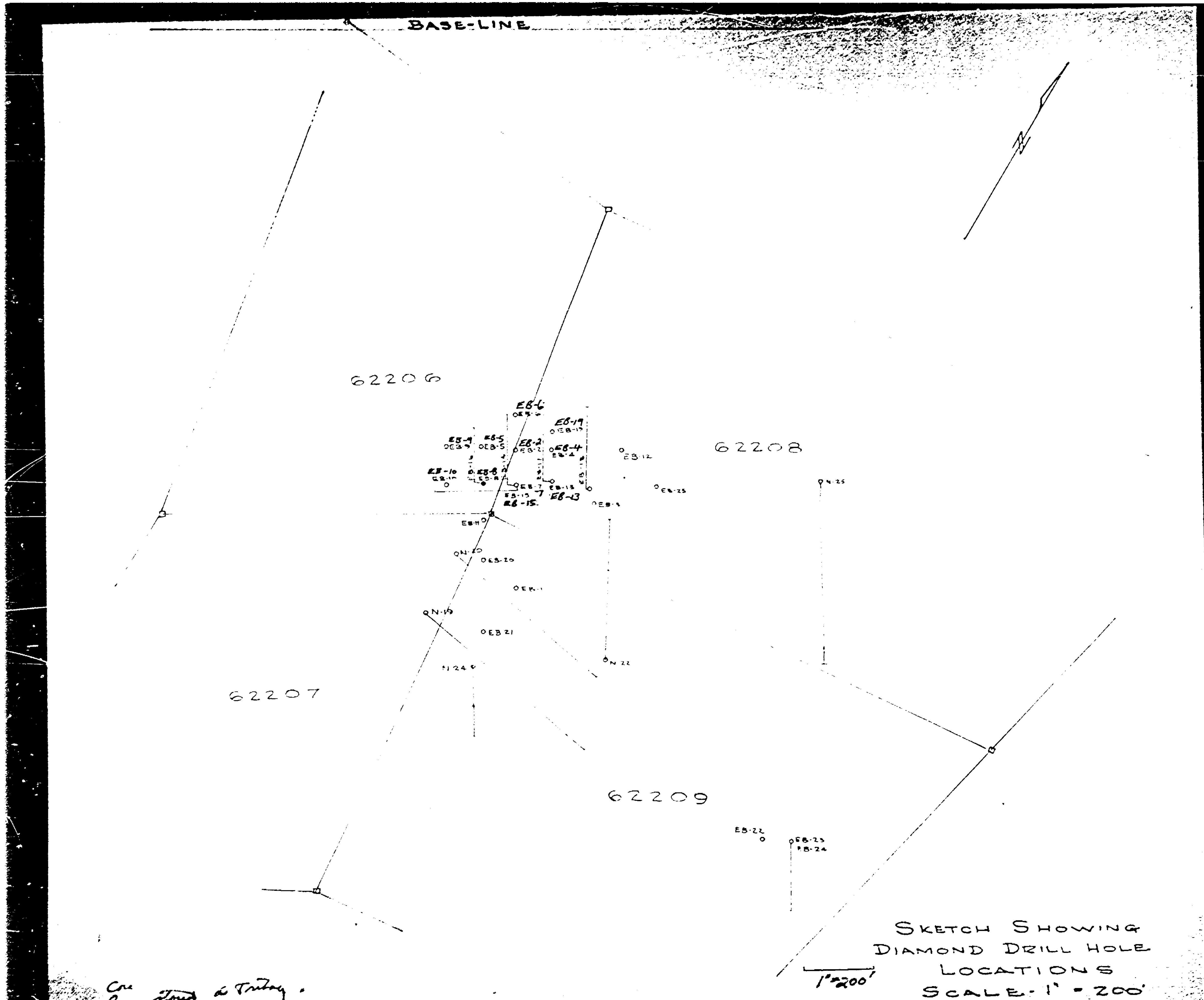
400 Ac
Ref. 119 Mg.

BLOCK "A"
200 Ac.
Ref. 121 Mg.

BLOCK "B" 311 Ac.
Ref. 124 Mg.

Middle Poncoke Lake

Poncoke Lake


BASE-LINE
62206
62207
62208
62209
EB-6
EB-19
EB-9
EB-5
EB-2
EB-4
EB-10
EB-8
EB-13
EB-15
EB-12
EB-25
N-25
N-22
N-19
EB-20
EB 21
EB-22
EB-23
EB-24
1" = 200'
Sketch Showing
Diamond Drill Hole
Locations
Scale - 1" = 200'

SSM 62199

SSM. 61132

SSM 61131

L.4400 N.

BASELINE

SSM 61136

SSM. 61133

SSM. 62206

X-24

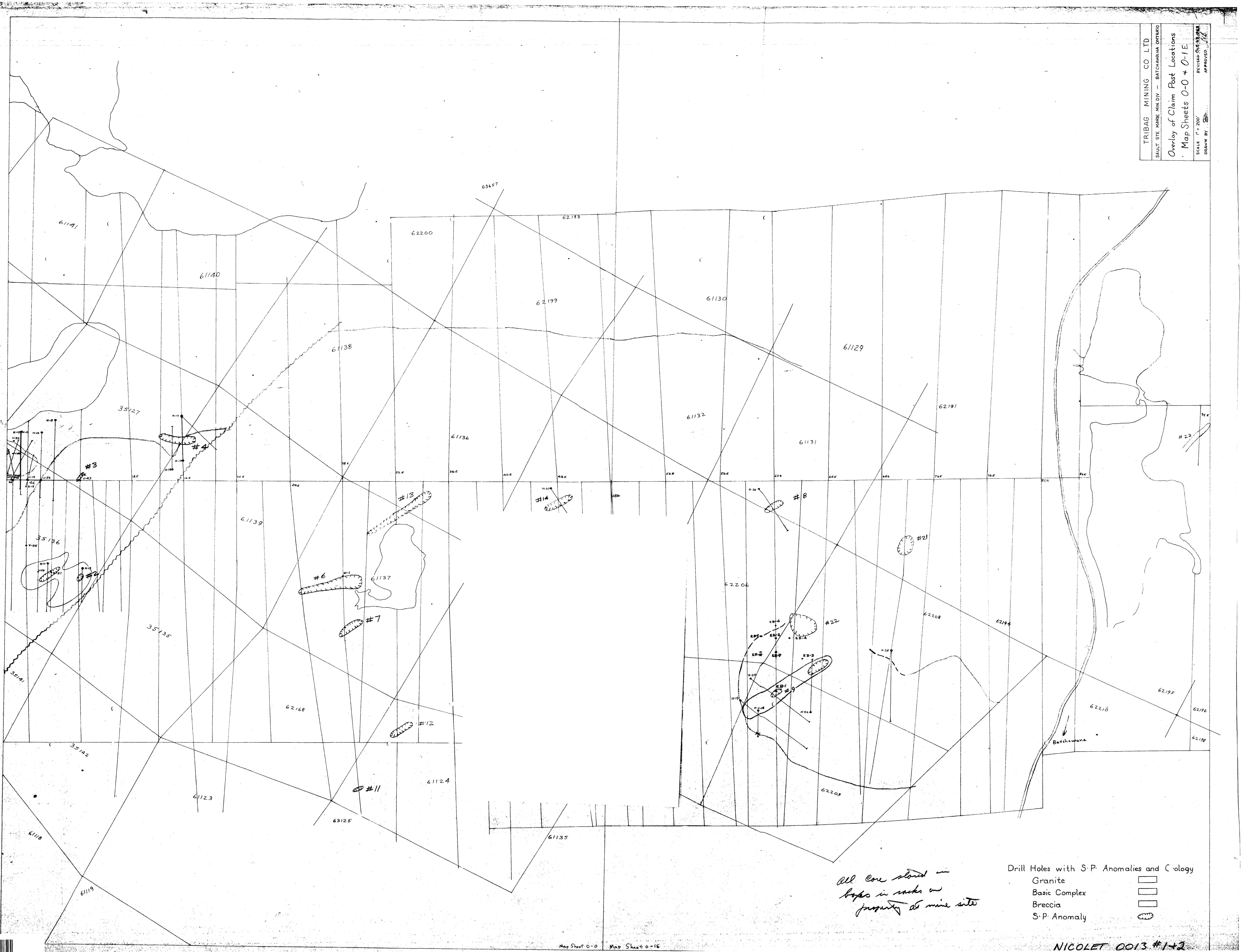
SKETCH SHOWING
LOCATION OF
DIAMOND DRILL HOLE X-24
SCALE - 1" = 200'

1" = 200'

SSM. 61137

CORE STORED AT TEIGAG

SSM. 61134


TRIBAG MINING CO LTD
SAULT STE MARIE MIN DIV — BATCHAWANA ONTARIO
Overlay of Claim Post Locations
Map Sheets 0-0 & 0-1E
SCALE 1" = 200'
DRAWN BY
REVISED
APPROVED
Drill Holes with S·P· Anomalies and Geology
Granite
Basic Complex
Breccia
S·P· Anomaly
All core stored in boxes in racks on property at mine site
Batchawana
Map Sheet 0-0
Map Sheet 0-1E
NICOLET 0013 #1+2
#2
#3
#4
#6
#7
#8
#9
#11
#12
#13
#14
#21
#22
#23
61141
61140
61138
61139
61136
61137
61130
61129
61132
61131
61123
61124
61135
61118
61119
62200
62193
62199
62168
62206
62208
62191
62194
62195
62196
62198
62210
62209
35127
35136
35135
35141
35142
63457
63125