010

DIAMOND DRILLING

Township: NICOLET Report No:

WORK PERFORMED FOR: TRIBAG MINING CO. LTD.

RECORDED HOLDER: SAME AS ABOVE [✓]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
SSM 35137	V-1	868'	Oct/63	
	V-2	886'	Oct/62	
	V-3	1043'	Oct/62;Jun/Dec/63	
	V-5	828'	Oct/62;Jul/63	
	V-6	1024'	Oct/62	
	V-8	892'	Mar/64	
	V-10	924.5'	Nov/62; Jun/63	
	V-12	847	Nov/62	
	V-14	1077	Nov/62;Sep/63	
	V-15	1227	Nov/62;Jul/63	
	V-16	838	Dec/62	
	V-18	462	Dec/62	
	V-20	771	Dec/62	
SSM 35136	V-4	1345.6	Oct/62;Jul/63	
	V-7	639	Nov/62	
	V-9	647	Nov/62	
	V-11	684	Nov/62	
	V-13	698	Nov/62	
	V-17	960	Sep/63	
	V-19	853.7	Dec/62;Jul/63	
TOTAL: 20 DH		17,514.8 FT		

NOTES:

900

NOTE: FOR ADDITIONAL INFORMATION RE. DIAMOND DRILL, FOR TRIBAG, IN SAME AREA, SEE NICOLET-0012.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited, HOLE NUMBER: V-1

LOCATION: Batchawana, Ontario.

Latitude: 200 N Dip: Footage Reading Corrected

Departure: 00 Depth:

Elevation: Commenced: October 5, I963.

Azimuth: Finished: October 11, 1963. Logged by: M. Blecha.

SAMPLE NUMBER		DESCRIPTION
	0.0	Casing
	14.0	
	14.0	Highly brecciated zone. Highly altered, green granitic fragments (½" - 3") 20%. Highly chloritized basic fragments (¼" - 3") 40-50%, in a quartz matrix (30-40%).
	20.0	As above, but core badly broken up. 50% lost core, minor blobs cpy.
	116.0	
	116.0	Amygdaloidal Dyke, dark grey, fine grained, 10% 1-2mm amygdules, massive.
	119.0	
	119.0	Brecciated zone as at 14.0.
	124.0	
	124.0	Amygdaloidal Dyke, as at 116.0. Chilled contacts (Core badly broken up near contacts) Amygdules increase in size to 1-5mm.
	128.3	
	128.3	Brecciated zone. Highly brecciated, basic chloritized fragments 50%, quartz carbonate 50%.
	129.5	
	129.5	Mineralized zone. 7-8% cpy in a highly altered, highly brecciated zone as before, granatic fragments.
	134.5	
	134.5	Highly brecciated zone as at 14.0. Quartz 40%, high alteration. Less than 1% red acidic fragments. 2-3% po, py, less than 5% cpy. Note blobs cpy at 228.5.
	229.7	
	229.7	Mineralized zone, 50% cpy, 20% py in a highly brecciated zone. Quartz 20%, highly chloritized, basic fragments 10%.
	230.5	
	230.5	Highly brecciated zone, medium chloritized, diabasic fragments 40%, highly altered granite 20%, quartz 30%,
	240.0	
	240.0	Granite, relatively unaltered, pink, massive.
	244.0	
	244.0	Highly brecciated zone, highly chloritized, basic fragments 40%, highly altered granite 20%, quartz 40%.
	254.0	Mineralized zone. 5-6% cpy in small blobs and patches, associated with quartz, in a highly brecciated zone, 5% py. Quartz 35-40%. Highly chloritized basic fragments 50%.

DESCRIPTION

273.0

273.0 Highly brecciated zone. Medium chlorized basic fragments 30-40%, low to medium altered granite 20%, quartz 40%, 1% cpy, 1% py. Alteration medium. Average size of fragments (¼"-3").

296.0

296.0 Aplite Dyke, red fine grained, fresh, massive.

297.7

297.7 Medium brecciated zone, relatively fresh granitic fragments and masses (¼"-1.0') 20-25%, fine grained basic fragments (¼-1") 20%, aplitic fragments 10%, basic volcanics 5%, quartz 25-30%, carbonate 1-2%. General alteration decrease to low to medium. Trace cpy, 1-2% py. Note fragments embedded with and without intervening quartz..

346.0

346.0 Mineralized zone. 4-5% cpy, 2-3% py, in a highly brecciated zone. Fresh granitic fragments 10%, medium chlorized basic fragments 40%, aplite (or felsite fragments) 10%, quartz carbonate 40%.

359.5

359.5 Trap Dyke. Dark grey, low chlorite, massive.

363.2

363.2 Medium brecciated zone as at 297.7. 10% fresh granitic masses (1 foot long). Quartz carbonate 30%.

444.0 Trap Dyke as at 359.5.

446.3 Medium brecciated zone. Relatively fresh granitic ffagments and masses 50%, altered diabase 20%, aplite fragments 10%, quartz carbonate 20%, basic volcanics less than 5%,

457.0 Medium brecciated zone. Granite 10%, QC 25%, aplite 5%.

459.7 Medium brecciated zone. Relatively fresh granitic fragments and masses 60%, highly altered basic fragments (¼" - 1") 20%, QC 20%.

465.2

465.2 Granite. Pink, fresh, massive, interrupted by a 8.5' highly brecciated zone in centre.

477.5

477.5 Highly brecciated zone. Alteration increase to medium. Relatively fresh granite fragments less than 5%, altered granite 10%, medium chloritized fragments (basic) 40%, aplite fragments 20%, QC 20%, negligible cpy.

497.0 End of hole.

DEEPENING:

497.0 Medium brecciated zone. Relatively fresh granite 70%, aplite fragments 15 - 20%, QC 15%.

508.5

508.5 Highly brecciated mineralized zone. Quartz 45%, acidic fine grained fragments 20%, volcanics 30%, 5% cpy, 3-4% py.

510.4

510.4 Highly brecciated zone, as above but no mineralization.

512.0 Medium brecciated zone. Fresh granite 30%,

512.0 aplite 50%, quartz 20%.

DESCRIPTION

514.2 Volcanics fine grained, dark grey, slightly brecciated, quartz 5%, red acidic 5%.
516.0 Rhyolite (?) fragments red, acidic aphanitic.
516.5

516.5 Granite, pink, fresh, massive, 5% quartz stringers.
524.5

524.5 Highly brecciated zone. Alteration increases to medium to high. Fresh granitic masses 10%, highly altered fragments 30%, basic fragments 30%, QC 30%, minor blobs cpy, trace py. Note relatively fresh trap dykelet at 631.2 to 632.5.
598.3 Quartz 50%, highly altered granitic fragments 20%, highly chloritized basic 25%. Minor cpy.
609.8

609.8 Mineralized zone, 10% cpy in a quartz-rich brecciated zone as at 598.3. Average size of fragments (¼-3").
609 High alteration (chloritization and earthy alteration).
625.0

625.0 Highly brecciated zone. Quartz decrease to 20%, alteration decreases to medium to low. Relatively unaltered granitic fragments 25%, basic fragments 25%, medium altered granitic fragments 20%.
641.7

641.7 Trap Dyke, dark grey, fine grained, massive.
644.0

644.0 Highly brecciated zone. Relatively fresh granite 20%, medium to high altered granite 20%, basic fragments 10%, acidic fine grained fragments 10%, quartz 10%, minor cpy blobs.
665.2 Dyke, reddish-gray, fine grained, less than 5% indistinct pseudophenocrysts. Note peculiar alteration halos along fractures.
667.3 Highly brecciated zone as at 644.0. Note a 0.5 highly altered (earthy) granitic section at 671.5.
673.0

673.0 Highly brecciated zone. Predominantly fresh granitic fragments and masses 75%, quartz 20%, basic and fine grained acidic fragments 5%. Size of fragments (¼"-3"). Note 1.0 highly altered diabase (pre-brecciation) at 706.2
735.0 Highly brecciated zone. Quartz 55% (vuggy and crystalline), with 45% basic volcanic fragments (¼"-4"). 2% cpy
740.0 As at 673.0. Note blobs cpy at 680.0 and 682.0.
750.0

750.0 Highly brecciated zone. 20% relatively fresh granite, 15% red acidic, 40% basic rock, 35% coarse crystalline, vuggy quartz, 1-2% py, trace cpy.
751.3

751.3 Mineralized zone. 3% cpy (concentated in few blobs) 1-2% py in a highly brecciated zone. Quartz carbonate 40%, relatively fresh granite 30%, medium altered granite 10%, basic volcanic 10%,
758.6

758.6 Medium brecciated zone. 25% relatively unaltered, pink, granitic masses (up to 2'), 10% diabase fragments (¼"-4"), 20% aplitic and red fine grained acidic fragments, QC 25%, minor cpy, 5% altered granitic fragments.
841.5

DESCRIPTION

841.5 Highly brecciated zone, 1-2% cpy. Quartz increases to 60%. Note highly chloritized fine grained dyke at 856.4 to 857.5. Alteration of embedded granitic (20%) and basic (20%) fragments high. (Chloritization and earthy alteration).

868.0

868.0 End of Hole.

Sheet No. 1. ASSAY RESULTS Hole No. V-1

DESCRIPTION

CORE

SAMPLE NO.	FOOTAGE	LENGTH	CU.%	AU.%	AG.%
1113	129.5-134.5	5.0	2.54		
4	134.5-139.5	5.0	0.23		
5	139.5-144.5	5.0	0.22		
6	144.5-149.5	5.0	0.47		
7	149.5-154.5	5.0	0.33		
8	154.5-159.5	5.0	0.36		
9	159.5-164.5	5.0	0.58		
1120	164.5-169.5	5.0	0.16		
1	169.5-174.5	5.0	0.28		
2	174.5-184.5	10.0	0.12		
3	184.5-196.0	11.5	0.28		
4	196.0-199.5	3.5	0.11		
5	199.5-204.5	5.0	0.25		
6	204.5-209.5	5.0	0.55		
7	209.5-214.5	5.0	0.21		
8	214.5-219.5	5.0	0.12		
9	219.5-224.5	5.0	0.22		
1130	224.5-227.5	3.0	0.22		
1016	227.5-231.0	3.5	4.44		
7	231.0-236.0	5.0	0.60		
8	236.0-239.5	3.5	0.68		
9	239.5-244.5	5.0	0.21		
1020	244.5-249.5	5.0	0.66		
1	249.5-254.5	5.0	0.56		
2	254.5-259.5	5.0	1.10		
3	259.5-266.0	6.5	1.80		
4	266.0-273.0	7.0	2.34		
5	273.0-281.0	8.0	0.86		
6	281.0-286.0	5.0	0.67		
1131	286.0-292.0	6.0	0.82		
2	292.0-297.0	5.0	0.12		
3	297.0-302.0	5.0	0.48		
4	302.0-309.5	7.5	0.15		
5	309.5-314.5	5.0	0.21		
6	314.5-321.0	6.5	0.25		
7	321.0-324.5	3.5	0.14		
1050	324.5-329.5	5.0	0.25		
1	329.5-334.5	5.0	0.52		
2	334.5-339.5	5.0	0.19		
3	339.5-344.5	5.0	0.16		
4	344.5-349.5	5.0	1.60		
6	349.5-354.5	5.0	1.38		
7	354.5-359.5	5.0	0.86		
1068	359.5-364.5	5.0	0.26		
9	364.5-369.5	5.0	0.76		
1070	369.5-374.5	5.0	0.56		
1	374.5-379.5	5.0	0.65		
2	379.5-384.5	5.0	0.65		
3	384.5-389.5	5.0	0.33		
4	389.5-394.5	5.0	0.18		
5	394.5-401.5	7.0	0.27		

ASSAY RESULTS

Hole No. V-1

DESCRIPTION

CORE

SAMPLE NO.	FOOTAGE	LENGTH	Cu.%	Au.%	Ag.%
1076	401.5-406.5	5.0	0.45		
7	406.5-411.5	5.0	1.26		
8	411.5-416.5	5.0	0.34		
9	416.5-419.5	3.0	0.52		
6858	508.5-510.4	1.9	0.73		
2083	580.9-588.9	8.0	0.26		
4	588.9-595.8	6.9	0.60		
5	595.8-601.8	6.0	0.12		
6	601.8-607.0	5.2	0.50		
2080	607.0-612.6	5.6	1.23		0.26
1	612.6-617.5	4.9	5.43		0.99
2	617.5-622.5	5.0	3.04		0.55
		1.0	0.30	Est.	
2087	623.5-629.0	5.5	0.64		
8	629.0-635.0	6.0	0.11		
9	635.0-641.7	6.7	0.13		
2090	641.7-647.8	6.1	0.24		
1	647.8-653.5	5.7	0.32		
2	653.5-658.5	5.0	0.35		
2093	678.5-682.2	3.7	1.40		
2094	751.3-758.5	7.2	0.93		
5	758.5-765.5	7.0	0.38		
2096	780.3-787.3	7.0	0.36		
2097	842.9-848.2	5.3	0.59		
8	848.2-856.3	8.1	0.20		

AVERAGES

129.5-139.5	10.0	1.39	
129.5-273.0	143.5	0.69	
227.5-239.5	12.0	1.74	
254.5-273.0	18.5	1.82	
344.5-349.5	10.0	1.49	
588.9-629.0	40.1	1.49	
607.0-612.6	15.5	3.14	0.58

ASSAY RESULTS

Hole No. V-1

DESCRIPTION

SLUDGE

SAMPLE NO.	FOOTAGE	LENGTH	Cu.%	Au.%	Ag.%
9586	14.0-20.0	6.0	0.31		
7	20.0-30.0	10.0	0.45		
8	30.0-40.0	10.0	0.57		
9	40.0-50.0	10.0	0.56		
9590	50.0-61.0	11.0	0.54		
1	61.0-73.0	12.0	0.53		
2	73.0-83.0	10.0	0.42		
3	83.0-90.0	7.0	0.42		
4	90.0-100.0	10.0	0.42		
5	100.0-110.0	10.0	0.27		
6	110.0-120.0	10.0	0.55		
7	120.0-130.0	10.0	0.37		
8	130.0-140.0	10.0	0.94		
9	140.0-150.0	10.0	0.55		
9600	150.0-160.0	10.0	0.91		
1012	160.0-170.0	10.0	0.47		
3	170.0-180.0	10.0	0.64		
4	180.0-190.0	10.0	0.66		
5	190.0-200.0	10.0	0.49		
1027	230.0-240.0	10.0	1.09		
8	240.0-250.0	10.0	0.96		
9	250.0-260.0	10.0	1.58		
1030	260.0-270.0	10.0	2.60		
1	270.0-280.0	10.0	2.02		
2	280.0-290.0	10.0	2.02		
1033	310.0-320.0	10.0	0.76		
4	320.0-330.0	10.0	0.93		
1059	330.0-340.0	10.0	0.64		
1058	340.0-350.0	10.0	0.88		
1060	350.0-360.0	10.0	0.42		
1	360.0-370.0	10.0	0.83		
2	370.0-380.0	10.0	0.83		
3	380.0-390.0	10.0	0.80		
4	390.0-400.0	10.0	0.76		
5	400.0-410.0	10.0	0.56		
6	410.0-420.0	10.0	0.91		
1067	450.0-460.0	10.0	0.45		
AVERAGES:					
	250.0-290.0	40.0	2.06		
	230.0-290.0	60.0	1.71		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: Deepening of V-1

LOCATION: Batchawana Bay, Ontario

Latitude: 200 N

Departure: 00

Elevation: 988.74

Azimuth: N/A

Dip: Vertical 90°

Depth: 497.0 and 892.7

Commenced: Oct 5/62 & June 15/63

Finished: Oct 11/62 7 June 17/63

Logged by: D. V. Dickson

DIP TESTS

Footage	Reading	Corrected
250	90-00	90-00
597	89-30	89-30
880	89-00	89-00

SAMPLE NUMBER	DESCRIPTION
	497.0 Continuation of Shatter Zone or Breccia Zone Red Granite 65%; Quartz and Quartz Carbonate 15% Angular intrusives 15% and Andesitic 5% No chalco nor pyrite 500.6 - 501.7 Grey dyke with very dark green lines with very slight reaction to Hydrochloric Acid - appears as greyish green marble 507.3 - 507.9 and 512.8 - 513.1 Brown, fine grained dyke (probably andesitic) with a patch of quartz crystals in a quartz carbonate matrix 525.5 - 526.7 Crystalline quartz dyke with vugs- no reaction to Hydrochloric acid 529.6
	529.6 Shatter Zone continues - Granite and Rhyolite Agglomerate 15%; quartz and quartz carbonate 40%; Greyish angular intrusives both gabbroic and andesitic 45% Negligible Chalco nor pyrite 531.3 - 532.5 Grey, fine grained gabbroic dyke with very fine pyrite seams 580.6
	580.6 Shatter Zone continues Quartz and quartz carbonate 35%; Grey andesitic intrusions 60%; Chalco 5% 627.4
	627.4 Shatter Zone continues - Rhyolite Agglomerate 25%; quartz and quartz carbonate 40%; angular intrusives 45% 612.5 - 621.4 Good chalco splashes 10% 641.6 - 644.0 Black, fine grained dyke - can be scratched with a file but not with a 3" nail 665.3 - 667.4 Reddish to greyish brown dyke 684.5
	684.5 Shatter Zone continues - Rhyolite Agglomerate 70%; Quartz and quartz carbonate 15%; angular intrusives 15% 733.0

SHEET NUMBER: 2

HOLE NUMBER: Deepening of V-1

SAMPLE NUMBER	DESCRIPTION		
	733.0 - 841.0 Shatter Zone continues - Rhyolite agglomerate quartz and quartz carbonate 15%; angular intrusives 45%		40%
	751.3 - 758.4 Good chalco splashes probably 1% Copper		
	778.7 - Very small amount of pyrite, chalco, bornite and x chalcocite		
	780.2 - 787.2 Good chalco probably 0.70% copper		
	841.0		
	841.0 - Shatter Zone continues - Rhyolite Agglomerate 5%; quartz and quartz carbonate 45%; angular intrusives 50%		
	881.3 - 882.5 Pseudo-amygdaloidal dyke - fine grained, dark grey with small white phenocysts - some with sharp angular corners, others quite rounded, average size 1/8" with only slight reaction to HCl		
	892.7		
	892.7 End of Hole		

SHEET NUMBER: Sample Sh[illegible]t for the Deepening of V-[illegible] HOLE NUMBER: V-1

SAMPLE NUMBER	DESCRIPTION		Cu	Ag		
2083	580.9 - 588.9	8.0	0.26			
2084	588.9 - 595.8	6.9	0.60			
2085	595.8 - 601.8	6.0	0.12			
2086	601.8 - 606.8	5.0	0.50			
2080	607.0 - 612.6	5.6	1.23	0.26	.59 Ag	
2081	612.6 - 617.5	4.9	5.42	0.99	3.14 Cu	
2082	617.5 - 622.5	5.0	3.04	0.55	15.5'	
2087	623.5 - 629.0	5.5	0.64			
2088	629.0 - 635.0	6.0	0.11			
2089	635.0 - 641.7	6.7	0.13			
2090	641.7 - 653.5 (647.8)	6.1	0.24			
2091	647.8 - 653.5	5.7	0.32			
2092	653.5 - 658.5	5.0	0.35			
2093	678.5 - 682.2	3.7	Est. 4% 1.40			
2094	751.3 - 758.5	7.2	Est. ½% 0.93			
2095	758.5 - 765.5	7.0	0.38			
2096	780.3 - 787.3	7.0	0.36			
2097	842.9 - 848.2	5.3	0.59			
2098	848.2 - 856.3	8.1	0.20			

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited, HOLE NUMBER: V-2

LOCATION: Batchawana Bay, Ontario. DIP TESTS

Latitude:	300 N	Dip: 90°	Footage	Reading	Corrected
Departure:	100 E	Depth: 500' - 886.0	250	88-00	88-00
			500	88§30	88-30
Elevation:	1003.95	Commenced: Oct. 7, 1962.			
Azimuth:		Finished: Oct. 11, 1962	Logged by: M. Blecha.		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing. 20.0
	20.0 Highly brecciated zone. Low to medium alteration. Relatively small size of fragments. Predominantly gabbroic fragments (low chloritization) 45-50%. Relatively fresh granitic fragments 10%. Aplitic and fine grained red acidic fragments and dykelets 5%, QC 15-20%. Mineralized with widely scattered blobs of cpy (1-2%) and py (1-2%) associated with quartz. 95.0 As above, but relatively fresh granitic fragments gradually increase to 35-40%, gabbroic fragments decrease to 20-25%. Note: Diabase and granitic fragments commonly embedded in each other without intervening quartz matrix. (Evidence for pre-brecciation stop ing?) Zone contains several long (1-2') sections of relatively massive and fresh diabase, aplite and granite. 189.3 Diabase, relatively fresh and massive, fine grained. Interrupted by a minor quartz-rich brecciated zone (with minor py and cpy) at 194.8 to 195.5. 197.0 Highly brecciated zone as at 20.0. Minor py and cpy. 202.0
	202.0 Highly brecciated zone. Alteration gradually increases to medium -high. Earthy granitic fragments 40%, fine grained gabbroic fragments 20%, relatively fresh aplitic fragments (or dykelets) 10%, QC 20-25%, cpy 2-3%, py 2-3% in widely scattered blobs associated with quartz. Note a 0.5' muddy, disintegrated, pale grey fine grained rock at 217.5. 218.5 Highly brecciated zone as above but QC coarsely crystalline increases to 40%. Less than 1% py and cpy. 233.0 Dyke, highly altered (chloritized and seritized) highly shattered. Grey, soft, fine grained. Note relatively fresh diabase dyke from 245.0 to 246.5. 247.0
	247.0 Alteration increases to medium. 3-4% cpy in a highly brecciated zone. Medium altered granitic fragments 50%, diabase 5%, QC 20%. 260.0
	260.0 Brecciated granite, low alteration, low brecciation. Quartz 5-7%. 267.5
	267.5 Medium brecciated zone. Medium to high alteration. Medium to high chloritized diabase 30%, quartz 5%, medium to high chloritized granitic fragments embedded in quartz 5%, minor altered acidic fragments. Note some fragments embedded without intervening quartz. Trace cpy. 277.0

DESCRIPTION

277.0 Brecciated granite. Low brecciation. Low alteration. Quartz 15%, cut by 5-10% trap dykes, with inclusions of granitic material embedded without intervening quartz. Trace of cpy associated with quartz.
305.0 Highly brecciated zone. Low to medium alteration. 10% granitic fragments, 20% diabase, 25% quartz. Cut by a 0.7' aplite dyke at 305.2, 1% py and cpy.
306.7 Diabase dyke, medium grained and chloritized, 10% quartz stringers.
308.0 Highly brecciated zone. Low to medium alteration. Relatively fresh granitic fragments 40%, diabase 40%, quartz 20%. Minor aplite fragments cut by a 1.4 foot diabase dyke at 313.0 and by a 0.5 foot fine grained, dark grey trap dyke at 314.3.
317.0

317.0 Brecciated granite, low alteration, low brecciation less than 5% quartz. Cut by fine grained medium chloritized trap dyke from 325.5 to 326.5 (20° c.n.), and from 327.2 to 329.3.
331.5

331.5 Highly brecciated zone. Medium alteration, granite 20%, diabase 20%, basic 5%, QC 40%, 1% py and cpy.
338.8

338.8 Gabbroic dyke, medium to coarse grained, massive, medium chloritization. No mineralization.
340.6

340.6 Highly brecciated zone. Medium alteration, relatively fresh granitic fragments and masses 65%, basic fragments 10%, diabase 5%, 1-2% cpy and 1-2% py in widely scattered blobs associated with quartz. Quartz 15%.
369.3 Brecciated diabase dyke. Massive dibase sections interrupted by quartz rich brecciated zones, with embedded angular fragments of diabase. Total quartz 10%, medium chloritization.
371.6 Highly brecciated zone. High alteration. 50% chloritized granite, 20% basic fragments embedded in a quartz (40%) rich brecciated zone. 1% cpy and 1% py. Note from 363.0 to 381.5 footage unreliable. Footage marked incorrectly.
373.0

373.0 Granite. Pink, fresh, massive, cut by a 5-7% quartz stringers
384.0

384.0 Medium brecciated zone. Medium alteration, granite 80%, basic fragments 5%. Minor highly chloritized inclusions, quartz 10%. Note bleached granitic fragments. Note medium patchys chloritization of granite.
395.0

395.0 Mineralized zone. 2-3% cpy, 2-3% py in a highly brecciated zone, medium ~~xxxxxxxxx~~ altered granitic fragments 50%, quartz 10%.
400.0

400.0 Brecciated granite. Low alteration, low brecciation. 5% quartz, less 5% chloritized basic fragments. 1% py and cpy associated with quartz. Note highly altered, highly brecciated zone from 413.5 to 414.5 .
436.5

436.5 Mineralized zone. 1-2% cpy and 1% py in highly brecciated zone, medium alteration, granite 70%, chloritized diabasic dykelets and fragments 10%. QC 15%. Zone includes a highly

DESCRIPTION

brecciated zone, highly altered from 455.0 to 456.5 and from 464.5 to 466.5. Notee chlotitization of granite). Note 0.5 feet of red acidic fractured aphanitic dykelet (?) at 457.0.

468.0

468.0 Mineralized zone. 3-4% py and 3-4% cpy in a highly brecciated zone. Low to medium alteration. Granite 25%, dibase 30%, QC 30%, acidic 5% cut by a 0.7 foot slightly chloritized diabase at 468.3.

473.0

473.0 Highly brecciated zone. 65% granite, less than 5% acidic fragments, minor chloritized basic fragments 15%. Note 1.5 foot fresh and massive granitic "injections" in center.

478.8

478.8 Granite. Low alteration. Relatively massive, interrupted by 5% quartz rich brecciated zone. Note large blobs cpy and py at 496.8.

500.0 End of hole.

DEEPENING OF HOLE - Commenced June 11, 1963. Bjari 880'
Finished June 14, 1963. Az. N 46° W 88°

500.0

500.0 Brecciated granite. Relatively low alteration, low brecciation. 15% quartz, with minor associated cpy cut by 10% highly chloritized and brecciated dibase dykes. Note 1.0' zone of highly chloritic alteration of granite at 515.7. 1-2% aplite fragments.

542.5

542.5 Mineralized zone. 5% cpy, 2-3% py associated with QC and with chloritized basic fragments in a highly brecciated zone. QC 45%, highly chloritized basic and diabasic fragments ~~fragments~~ 40%, relatively unaltered granite 10%. Note slightly mineralized, relatively massive low chloritized basic ~~fragment~~ dykelet 552.0 to 553.0.

561.0 Mineralized zone. 1-2% cpy, 1-2% py in widely scattered blobs associated with quartz in medium brecciated zone. Low to medium alteration. Predominantly granitic fragments and masses 60%, altered diabasic fragments and dykelets 10%, QC 15-20%, acidic fragments 5%.

600.0 Mineralized zone. 1-2% cpy and 1% py. Alteration gradually increases to medium and QC increases to 25%. Basic and diabasic fragments absent, rock predominantly granitic (65-70%). Note medium chloritized felsitic fine grained dykelet (?) from 600.0 to 601.0'. Note pink, fresh, massive granitic "injection" at 621.0 to 622.0.

622.7 Mineralized zone as above, but cpy increases to 5-7%, py 3% and from 639.0' alteration gradually increases to high. Earthy green alteration and chloritization of granite). Quartz 30%. Note 1.3' highly chloritized diabase dykelet with trace cpy at 665.7. Note 0.7' highly chloritized, basic fine grained, porphyritic dykelet at 698.8. Mineralization is associated with quartz.

700.0

700.0 Mineralized zone. 3-5% cpy, 2-3% py in widely scattered blobs associated with quartz in a highly brecciated zone. Alteration gradually decreases to medium high. Rock still consists of predominantly altered, green and pinkish-green granitic fragments (65-70%) in a quartz matrix (30%), less

DESCRIPTION

5% dibasic and fine grained basic fragments.
753.0 Mineralized zone, 10% cpy, 5-7% py in a highly brecciated zone. High chloritization of granitic fragments (20%), quartz 60%.
761.2 Highly brecciated zone as above but no mineralization. Quartz 40%, altered granite 50%, chloritized basic 10%.
766.0

766.0 Granite. Relatively massive, low to medium patchy earthy alteration and chloritization. Interrupted by a 1.0' brecciated highly altered section in center.
773.4

773.4 Medium brecciated zone. Medium to high alteration. Granitic fragments and masses 65%, diabasic and basic chloritized fragments 10%, QC 25%; 1% cpy, 1% py in widely scattered blobs associated with quartz. Note a fragment of purple porphyritic, acidic dyke material at 778.0'
816.4 Dyke, grey, fine grained, medium chloritization, massive with 3% cpy and a blob of py at 817.3. Sharp lower contact at 70o c.n.
818.7 Highly brecciated zone, medium alteration. Granite 65%, fine grained basic fragments (dykelets) 10%, QC 30%, Note 2" blobs of cpy at 819.0. 1-2% py and 1% cpy scattered throughout.
840.0

840.0 Granite. Low alteration, massive. Note highly chloritized slip plane (70° c.n. at 842.0.)
847.5

847.5 Brecciated granite. Medium brecciation, low alteration. Quartz 20%.
860.0

860.0 Highly brecciated zone. High earthy alteration and chloritization of granitic fragments (60%). Slightly altered granite 10%, quarts 25-30%, altered acidic fragments less than 5%. Note 1" blobs py and cpy in quartz at 861.0.
872.4

872.4 Granite. Relatively massive. Low alteration. Quartz stringers 5%. Becomes highly altered in last 12".
879.0 Highly brecciated zone, highly altered. Quartz 30%, acidic 5%.
880.0

880.0 Dyke. Pale grey, fine grained, relatively massive, highly sericitized and chloritized. Trace py and cpy.
881.3

881.3 Calcite Vein. Massive, white, faintly pinkish, pure. Upper contact with above dyke at 50° c.n., lower contact sharp at 80° c.n.
884.0

884.0 Granite, relatively massive (except for first 3"), relatively fresh; upper contact brecciated and chloritized, with trace py.
886.0

886.0 End of hole.

Sheet No. 1. ASSAY RESULTS Hole No. V-2

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1080	20.0-25.0	5.0	0.25		
1	25.0-31.0	6.0	0.34		
2	31.0-38.5	7.5	0.26		
3	38.5-43.5	5.0	0.15		
4	43.5-48.5	5.0	0.13		
5	48.5-53.5	5.0	0.17		
6	53.5-59.0	5.5	0.25		
7	59.0-64.0	5.0	0.22		
8	64.0-69.0	5.0	0.74		
9	69.0-74.0	5.0	0.42		
1090	74.0-79.0	5.0	0.34		
1	79.0-84.0	5.0	0.74		
2	84.0-89.0	5.0	0.70		
3	89.0-94.0	5.0	0.35		
4	94.0-99.0	5.0	0.54		
5	99.0-104.0	5.0	0.46		
6	104.0-109.0	5.0	0.19		
7	109.0-114.0	5.0	0.24		
8	114.0-119.0	5.0	0.31		
9	119.0-124.0	5.0	0.29		
1100	124.0-129.0	5.0	0.30		
1102	129.0-134.0	5.0	0.13		
3	134.0-139.0	5.0	0.23		
4	139.0-146.5	7.5	0.36		
1221	146.5-149.5	3.0	0.19		
2	149.5-154.5	5.0	0.31		
3	154.5-159.5	5.0	0.21		
4	159.5-164.5	5.0	0.22		
5	164.5-169.5	5.0	0.17		
6	169.5-174.5	5.0	0.42		
7	174.5-179.5	5.0	0.46		
8	179.5-184.5	5.0	0.47		
9	184.5-189.5	5.0	0.41		
1230	189.5-194.5	5.0	0.26		
1233	194.5-199.5	5.0	0.18		
1040	199.5-204.5	5.0	0.58		
1	204.5-209.5	5.0	0.25		
2	209.5-214.5	5.0	0.96		
1200	214.5-219.5	5.0	0.37		
1215	219.5-224.5	5.0	0.40		
6	224.5-229.5	5.0	0.29		
7	229.5-234.5	5.0	0.23		
8	234.5-239.5	5.0	0.37		
9	239.5-244.5	5.0	0.40		
1043	244.5-249.5	5.0	1.68		
4	249.5-254.5	5.0	1.51		
5	254.5-259.5	5.0	1.34		
1220	259.5-264.5	5.0	0.10		

Sheet No. 2. ASSAY RESULTS Hole No. V-2

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1231	329.5-334.5	5.0	0.09		
2	334.5-339.5	5.0	0.38		
7970	341.3-342.6	1.3	1.92		
1	342.6-350.1	2.5	0.18		
2	350.1-352.1	2.0	0.54		
3	352.1-358.6	6.5	0.12		
4	358.6-363.6	5.0	0.14		
5	363.6-364.6	1.0	0.80		
6	364.6-371.6	7.0	0.25		
7	371.6-373.4	1.8	0.20		
1105	394.5-399.5	5.0	1.51		
6	399.5-404.5	5.0	0.95		
7	404.5-409.5	5.0	0.20		
8	409.5-414.5	5.0	0.85		
1728	414.5-422.5	8.0	0.20		
9	422.5-430.5	8.0	0.15		
1730	430.5-439.0	8.5	0.18		
1109	439.5-444.5	5.0	0.53		
1110	444.5-451.5	7.0	0.21		
7978	468.0-473.0	5.0	1.17		
7979	494.0-495.8	1.8	0.92		
6277	535.0-537.5	2.5	0.14		
8	537.5-540.0	2.5	0.14		
9	540.0-542.5	2.5	0.22		
6280	542.5-545.9	3.4	0.56		
2039	545.9-549.6	3.7	2.26		0.49
2040	549.6-552.1	2.5	0.72		
2125	552.1-553.1	1.0	0.33		
2041	553.1-557.1	4.0	0.69		
2	557.1-560.8	3.7	0.73		
2126	560.8-566.1	5.3	0.43		
7	566.1-571.6	5.5	0.12		
8	571.6-577.6	6.0	0.46		
9	577.6-581.9	4.3	0.08		
2130	581.9-585.9	4.0	0.55		
1	585.9-592.1	6.2	0.15		
2043	592.1-594.7	2.6	0.87		0.32
4	594.7-600.0	5.3	0.34		
2072	600.0-604.6	4.6	0.82		
2132	604.6-610.5	5.9	0.16		
3	610.5-617.1	6.6	0.15		

ASSAY RESULTS

Hole No. V-2

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
2045	617.1-618.8	1.7	1.72		
6	618.8-623.0	4.2	0.20		
7	623.0-627.3	4.3	3.64		
2134	627.3-632.9	5.6	0.28		
5	632.9-637.9	5.0	0.11		
2048	637.9-641.9	4.0	0.90		0.25
9	641.9-647.5	5.6	3.42		0.76
2050	647.5-651.5	4.0	5.22		1.05
1	651.5-656.6	5.1	0.81		0.25
2	656.6-663.0	6.4	3.92		0.93
3	663.0-666.9	3.9	1.89		0.35
4	666.9-673.1	6.2	3.36		0.65
5	673.1-677.8	4.7	5.20		1.05
6	677.8-680.3	2.5	2.61		0.53
2136	680.3-688.9	8.6	0.30		
7	688.9-696.8	7.9	0.31		
2057	696.8-698.4	1.6	4.90		0.93
2138	698.4-701.3	2.9	0.20		
2073	701.3-706.0	4.7	0.65		
2139	706.0-710.5	4.5	0.12		
2140	710.5-715.5	5.0	0.26		
2141	715.5-720.3	4.8	0.11		
2074	720.3-725.3	5.0	1.96		
5	725.3-730.0	4.7	0.66		
6	730.0-735.5	5.5	1.69		
2063	735.5-740.5	5.0	2.44		0.57
4	740.5-745.5	5.0	2.24		0.45
2142	745.5-751.6	6.1	0.36		
2077	751.6-758.9	7.3	0.24		
8	758.9-761.7	2.8	11.64		2.06
2143	761.7-770.0	8.3	0.12		
4	770.0-775.0	5.0	0.10		
5	775.0-780.0	5.0	0.46		
6	780.0-785.0	5.0	0.12		
7	785.0-790.0	5.0	0.31		
8	790.0-797.5	7.5	0.23		
9	797.5-805.0	7.5	0.07		
2150	805.0-812.5	7.5	0.30		
1	812.5-817.1	4.6	0.07		
2079	817.1-819.6	2.5	1.91		0.34
2152	819.6-826.8	7.2	0.18		
3	826.8-835.2	8.4	0.35		
4	835.2-840.0	4.8	0.14		
2155	860.0-862.5	2.5	0.38		
AVERAGES:					
	20.0-259.5	239.5	0.42		
	244.5-259.5	15.0	1.51		
	394.5-404.5	10.0	1.23		

cont'd
next page

ASSAY RESULTS

DESCRIPTION

CORE

AVERAGES: (Cont'd)

		Cu.%
545.9-560.8	14.9	1.07
545.9-840.0	294.1	1.04
623.0-761.7	138.7	1.77
623.0-698.4	75.4	2.16
641.9-680.3	38.4	3.34
720.3-761.7	41.4	1.98
720.3-735.5	14.4	1.45
751.6-761.7	10.1	3.40

ASSAY RESULTS

Hole No. V-2

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%
1035	119.0-129.0	10.0	0.51
6	129.0-138.5	9.5	0.53
7	138.5-149.5	10.0	0.38
1038	240.0-250.0	10.0	1.21
1039	290.0-300.0	10.0	0.61
1046	340.0-350.0	10.0	0.34
7	350.0-360.0	10.0	0.44
1048	410.0-420.0	10.0	0.65
9	420.0-430.0	10.0	0.52

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

Deepening of
HOLE NUMBER: V-2

LOCATION: Batchawana Bay, Ontario

Latitude: 300 N

Departure: 100 E

Elevation: 1003.97

Azimuth: N/A

Dip: 90 degrees

Depth: 500 and 838

Commenced: Oct 7/62 & June 11/63

Finished: Oct 11/62 & June 14/63

Logged by: D.Dickson

DIP TESTS

Footage	Reading	Corrected
250	88-00	88-00
500	88-30	88-30
Pjari 880'	Az. N 46 W	88

SAMPLE NUMBER	DESCRIPTION
	500.0 Continuation of Shatter Zone or Breccia Zone Granite Shattered with Intrusions of quartz and gabbro Granite 60%; quartz 25% with angular intrusions 15% 509.5 Medium splash of chalco with an equal amount of pyrite 540.4 Beginning of many good splashes of chalco 547.1
	547.1 Shatter Zone Continues Rhyolite Agglomerate 70%; Quartz and quartz carbonate 15% with angular intrusives 15% 552.1 - 553.0 Probably Andesite Dyke with small white phenocysts which do not react to 39% Hydrochloric Acid Upper contact 60 degrees to core and lower is at 45 degrees. 573.1 and 576.1 Medium splashes of chalco 577.2 Small splash of chalco with medium splash of pyrite 582.1; 582.5 and 590.3 Medium splashes of chalco 600.3 Small pyrite crystals 603.2 Chalky deposit, very soft, excellent reaction to Hydrochloric Acid probably calcium carbonate 611.6 - 613.0 Quartz dyke in appearance - no reaction to acid -some cleavage, no crystal faces possibly marguerite 627.0 - 638.0 Rhyolite Agglomerate with quartz veinlets 638.0
	638.0 Probably Rhyolite Agglomerate with some chloritised sections making 90%; quartz with fragmented angular inclusions 10% Chalcopyrite generally one to two percent copper 788.5 Large splash of chalco 822.0
	822.0 Rhyolite Agglomerate 40%; Quartz and quartz carbonate 40% with fragmented inclusions 20% 861.3 Large splash of chalco; 861.8 Medium splash of pyrite 881.7 - 884.0 White glassy substance with cleavage faces, effervesces with Hydrochloric Acid, probably quartz carbonate - possibly gold assay at later date EXEXEX 886.0
	886.0 End of Hole

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — Deepening of HOLE NUMBER: V-2

LOCATION: Batchawana Bay, Ontario

Latitude: 300 N — Dip: 90 degrees — Depth: 500 and 886.0

Departure: 100 E

Elevation: 1003.97

Azimuth: N/A

Commenced: Oct 7/62 & June 11/63

Finished: Oct 11/62 & June 14/63 — Logged by: Dr. S.E. Malouf

DIP TESTS

Footage	Reading	Corrected
250	88-00	88-00
500	88-30	88-30
880' Pjari Az. N 46 W	88	

SAMPLE NUMBER	DESCRIPTION
	500(Continued) Shatter Zone - Rhyolite agglomerate, considerable granite red 70% - Note good fragmental varied angular fragments. Quartz carbonate vein system 15% Some negligible chalcopyrite 544.0 Rhyolite Agglomerate - Bhatter Zone- Quartz Carbonate 35% chalcopyrite 3% Note granite dykelets 10% chloritised matrix30% Note pseudo- amygdules from 552.5 - 553.5 Check for carbonate. (This check was carried out June 15th and was negative! D.D.) 561.0 Granite dykelets 60% Quartz Carbonate veinlets 20% (very slightly effervescent D. D.) Chloritised Andesite or diorite 20% some negligible chalcopyrite Note sphalerite at 583' 593 Shatter Zone Rhyolite Agglomerate 20%; Quartz carbonate veinlets 30% Note some sphalerite with chalcopyrite also a metallic mineral could be galena (PbS) or a telluride - too small to be sure - Agglomerate fine grained typical type granite dykelets40% chalcopyrite 3% pyrite 2% 605 Granite dykelets 75% Quartz carbonate veinlets 20% low chalcopyrite less thanone percent 617 Rhyolite Agglomerate 30% Quartz Carbonate veins 20% Chalcopyrite 3% Granite dykelets 50% 627 Granite dykelets 70%; Quartz carbonate veinlets 20% Rhyolite Agglomerate 20% Chalcopyrite 1% 642 Shatter Zone - Main Zone Type - High Alterate Quartz Carbonate veinlets 40%; Chalcopyrite 6% Granite dykelets 20% Rhyolite Agglomerate 20% high chlorite, epidote and sericite 651.5 Low chalcopyrite 1% - Good rhyolite fragmental 657 Shatter Zone as 642 - 651.5 Chalcopyrite 6% Quartz Carbomate Inject 40% High alteration 680.5 Probable loss of sulphides due to friableness

SHEET NUMBER: Sample Sl ·t for Deepening of VP2 HOLE NUMBER: V-2

SAMPLE NUMBER	DESCRIPTION				Cu	Ag	Au.	% Cu	
2039	545.9	- 549.6	4.0	2.26		0.49			
2040	549.6	- 552.1	2.5	0.72					
2041	553.1	- 557.1	4.0	0.69					
2042	557.1	- 560.8	3.7	0.73					
2043	592.1	- 594.7	2.6	0.87		0.32	Tr		
2044	594.7	- 600.0	5.3	0.34					
2072	600.0	- 604.6	4.6	0.82				0.82	
2045	617.1	- 618.8	1.7	1.72					
2046	618.8	- 623.0	4.2	0.20			1.90/10.2'		
2047	623.0	- 627.3	4.3	3.64		0.67			
2048	637.9	- 641.9	4.0	0.90		0.25			
2049	641.9	- 647.5	5.6	3.42		0.76			
2050	647.5	- 651.5	4.0	5.22		1.05			
2051	651.5	- 656.6	5.1	0.81		0.25			
2052	656.6	- 663.0	6.4	3.92		0.93			
2053	663.0	- 666.9	3.9	1.89		0.35	.64 Ag 3.03 Cu / 42.4'		
2054	666.9	- 673.1	6.2	3.36		0.65			
2055	673.1	- 677.8	4.7	5.20		1.05			
2056	677.8	- 680.3	2.5	2.61		0.53			
2057	696.8	- 698.4	1.6	4.90		0.93			
2073	701.3	- 706.0	4.7	0.65				0.65	
2074	720.3	- 725.3	5.0	1.96				1.96	
2075	725.3	- 730.0	4.7	0.66			1.45% / 14.4'	0.66	
2076	730.0	- 734.7	4.7	1.69				1.69	
2063	735.5	- 740.5	5.0	2.44		0.57	1.49 / 20.2'		
2077	751.6	- 758.9	7.3	0.24				0.24	
2078	758.9	- 761.7	2.8	11.64		2.06		11.64	
2079	817.2	- 819.6	2.4	1.91		0.34		1.91	

cc: Dr. Malouf

Sample Sheet (One) for deepening of V-2

2039	545.9 - 549.6	4.0	2.26
2040	549.6 - 552.1	2.5	0.72
2125	552.1 - 553.1	1.0	0.38
2041	553.1 - 557.1	4.0	0.69
2042	557.1 - 560.8	3.7	0.73
2126	560.8 - 566.1	5.3	0.43
2127	566.1 - 571.6	5.5	0.12
2128	571.6 - 577.6	6.0	0.46
2129	577.6 - 581.9	4.3	0.08
2130	581.9 - 585.9	4.0	0.55
2131	585.9 - 592.1	6.2	0.15
2043	592.1 - 594.7	2.6	0.87
2044	594.7 - 600.0	5.3	0.34
2072	600.0 - 604.6	4.6	0.82
2132	604.6 - 610.5	5.9	0.16
2133	610.5 - 617.1	6.6	0.15
2045	617.1 - 618.8	1.7	1.72
2046	618.8 - 623.0	4.2	0.20
2047	623.0 - 627.3	4.3	3.64
2134	627.3 - 632.9	5.6	0.28
2135	632.9 - 637.9	5.0	0.11
2048	637.9 - 641.9	4.0	0.90
2049	641.9 - 647.5	5.6	3.42
2050	647.5 - 651.5	4.0	5.22
2051	651.5 - 656.6	5.1	0.81
2052	656.6 - 663.0	6.4	3.92
2053	663.0 - 666.9	3.9	1.89
2054	666.9 - 673.1	6.2	3.36
2055	673.1 - 677.8	4.7	5.20
2056	677.8 - 680.3	2.5	2.61
2136	680.3 - 688.9	5.0	0.30
2137	688.9 - 696.8	7.9	0.31
2057	696.8 - 698.4	1.6	4.90
2138	698.5 - 701.3	2.8	0.20
2073	701.3 - 706.0	4.7	0.65
2139	706.0 - 710.5	4.5	0.12
2140	710.5 - 715.5	5.0	0.26
2141	715.5 - 720.3	4.8	0.11
2074	720.3 - 725.3	5.0	1.96
2075	725.3 - 730.0	4.7	0.66
2076	730.0 - 734.7	4.7	1.69
2063	735.5 - 740.5	5.0	2.44
2064	740.5 - 745.5	5.0	2.24
2142	745.5 - 751.6	6.1	0.36

Sample Sheet (Two) for the Deepening of V-2

2077	751.6 - 758.9	7.3	0.24	
2078	758.9 - 761.7	2.8	11.64	2.06
2143	761.7 - 770.0	8.3	0.12	
2144	770.0 - 775.0	5.0	0.10	
2145	775.0 - 780.0	5.0	0.46	
2146	780.0 - 785.0	5.0	0.12	
2147	785.0 - 790.0	5.0	0.31	
2148	790.0 - 797.5	7.5	0.23	
2149	797.5 - 805.0	7.5	0.07	
2150	805.0 - 812.5	7.5	0.30	
2151	812.5 - 817.1	4.6	0.07	
2079	817.1 - 819.6	2.5	1.91	
2152	819.6 - 826.8	7.2	0.18	
2153	826.8 - 835.2	8.4	0.35	
2154	835.2 - 840.0	4.8	0.14	
2155	860.0 - 862.5	2.5	0.38	

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited, HOLE NUMBER: V-3

LOCATION: Batchawana, Bay, Ontario.

Latitude: 300N Dip: 90°

Departure: 0-0 Depth: 1043.0'

Elevation: 1000.50 Commenced:

Azimuth: Finished:

DIP TESTS

Footage	Reading	Corrected
Acid test at 250'	-88°	
Acid test at 500'	-88° 30'	
Pajari at 830'	-88°	N75°E
Pajari at 1040'	-87°	S51°W

Logged by: M. Blecha.

SAMPLE NUMBER	DESCRIPTION

Commenced Oct. 13, 1962.
Finished Oct. 19, 1962.

First Deepening from 506.0' to 838.0

Commenced June 7, 1963.
Finished June 10, 1963.

Second Deepening from 838.0' to 1043.0'

Commenced Dec. 10, 1963.
Finished Dec. 12, 1963.

0.0 Casing

24.0 Highly brecciated zone.
Highly altered granitic fragments (¼"-4") 10%, highly altered (chloritized) basic fragments (¼"-4") 50%, QC (coarse and vuggy) 40%. 2-3% cpy in widely scattered blobs.

Lost Core:

22 - 27	69 - 80
27 - 32	91 - 101½
32 - 38	101½ - 103
54 - 59	103 - 106
59 - 62	106 - 109
62 - 66½	109 - 117½
66½ - 69	

Total - 22½' lost core.

127.5

127.5 Highly brecciated zone as above, but quarta decreases to 25-30%.
129.3 Amygdaloidal Dyke, highly altered, dark green, chloritized. 10% dark, soft amygdules. Relatively massive.
133.0 As at 127.5. Predominantly basic fragments (fine grained and diabasic) 65%, highly altered granitic fragments 5%, py 2-3%, negligible cpy.
161.0 As above, but in addition red acidic fragments less than 5%. Widely scattered blobs of cpy. Highly altered granitic fragments 10%. General alteration high. Average size of fragments (¼"-4").

169.5

169.5 Mineralized zone. 7-8% cpy in widely scattered blobs in a highly brecciated zone. High alteration.

174.5

	DESCRIPTION
174.5	As above, but cpy decreases to 1-2%.
222.0	Medium brecciated zone.
[illegible]	Medium alteration. Low to medium altered granitic fragments and masses (up to 2 feet) 50%, basic fragments 20%, quartz 20%.
	245.0
245.0	Brecciated granite. Relatively fresh; low brecciation. Minor quartz rich brecciated zone in centre.
	249.0
249.0	Highly brecciated zone. Alteration increases to high. Earthy granite 60%, quartz 40%,.
	254.5
254.5	Mineralized zone. 6-7% cpy in widely scatterdd blobs in a highly brecciated zone; high alteration. Granitic fragments 30%, quartz 30%, chloritized basic fragments 30%, green aplite fragments 10%.
	262.0
262.0	Medium brecciated zone. High alteration. Basic fragments and masses (up to 10') 40%, low altered granite 30%, QC 30%, py 2-5%.
	274.0 Shear zone. Highly chloritized basic rock, sheared at 90° c.n. Core broken up.
	275.5
275.5	Brecciated granite. Relatively fresh, massive granitic sections interrupted by 20% quartz rich breccia zones. Basic fragments 10%, 2% cpy.
	281.6
281.6	Highly brecciated zone. Quartz 45%, highly altered granitic fragments (1"-4") 40%, low altered basic fragments (¼"-1") 10%, aplitic fragments 5%.
	303.0
303.0	Highly brecciated zone. Alteration decreases to low to medium. Relatively fresh granitic fragments 25%, low to medium chloritized diabase fragments 25%, red acidic and aplitic fragments 10%, QC 25%. Size of fragments increase to ½"-6". Negligible cpy, 1-2% py.
	329.0 Medium brecciated zone, relatively massive medium grained, medium chloritized diabasic sections (up to 2ft in length) 60%, interrupted by 40% fresh granitic sections. Both rock types are interrupted by 30% quartz-rich breccia zones, with embedded granitic and diabasic fragments (¼"-1").
	379.0
379.0	Brecciated diabase gabbro. Fine grained, relatively fresh; relatively massive sections cut by 10% quartz stringers and patches, some with embedded small (less than 1") diabasic fragments. Less than 1% cpy, 1-2% py, relatively fresh granitic fragments 5%.
	399.3
399.3	Highly brecciated zone . 60% quartz, 40% fine grained basic and acidic fragments, 2-3% cpy.
	400.5
400.5	Brecciated granite. Relatively fresh and granitic fragments and masses 60%, medium to highly altered granitic zones 15%, quartz 25%.
	416.0
416.0	Highly brecciated zone. Predominantly medium chloritized gabbro (75%), relatively fresh granitic fragments 5%, QC 20%.

REC'D 6 1963

DESCRIPTION

420.0

420.0 Granite. Relatively fresh, massive, pink.
423.7 Mineralized zone. 5% cpy in a medium altered brecciated ~~xxxx~~ granite, QC 20%.
426.5 Granite, as at 420.0. Interrupted by a one foot quartz-rich brecciated zone at 428.0.
446.7

446.7 Medium brecciated zone. High alteration. Granitic fragments and masses 50%, relatively fresh granitic fragments 5%, basic fragments 10%, QC 25%, 1% cpy.
462.2

462.2 Brecciated zone. Low brecciation; predominantly fresh, massive, granitic sections (75%), interrupted by 20% quartz-rich brecciated zones, with 5% basic fragments. Minor cpy.
479.0

479.0 Mineralized zone. 2-3% cpy in a highly altered highly brecciated zone. QC 50%, highly altered granite 50%.
485.8

485.8 Granite, pink, fresh, massive.
488.6 Diabasic dyke, minor brecciation, 10% quartz.
490.4 Granite, as at 485.8, interrupted by a 0.5' zone of vuggy, coarsely crystallized quartz at 493.2.
497.5

497.5 Medium brecciated zone. Relatively fresh granitic fragments and masses 50%, basic fragments 20%, quartz 30%; 3-5% py, 1% cpy.
506.0

FIRST DEEPENING:

506.0 Medium brecciated zone. Relatively fresh granitic fragments and masses (up to 2') 35%, aplite fragments 10%, diabasic material 15%, QC 20%, fine grained volcanics 5% , mineralized with 1% cpy, 1-2% py. Overall alteration low to medium.
557.5 Diabasic dyke, relatively fresh and massive. Py 1-2%, cpy 1%.
560.0 Medium brecciated zone as at 506.0.
595.0 Medium brecciated zone as at 506.0, but alteration increases to medium high.
595.7

595.7 Mineralized zone. 10% cpy, 7-8% py concentrated in widely scattered blobs associated with quartz, in a highly brecciated, highly altered zone, consisting of 25% highly altered granitic fragments, 25% highly chloritized fragments; quartz 45%, carbonate 1-2%. Note a massive cpy zone at 629.0-629.4.
656.2 Mineralized zone as above, but cpy decreases to 3-4%
673.9 Mineralized zone as above, but cpy decreases to 1%.
696.0 Mineralized zone as above, but cpy 18-20%, quartz 60%.
697.5 Rock becomes predominantly granitic, cpy decreases to 3-4%, quartz 25%, fine grained basic fragments 10%.
708.0

708.0 Brecciated zone, low alteration. Predominantly granitic fragments and ~~xxxxxx~~ masses. Quartz 10%, basic fragments 5%. Minor cpy with local concentrations.
745.0

DESCRIPTION

745.0 Alteration increases to medium -high; relatively massive granite, less than 5% quartz.
749.2

749.2 Medium brecciated zone. Medium to highly altered granitic material 20%, basic 20%, quartz 60%.
755.1

755.1 Mineralized zone. 3-4% cpy with local concentrations in a highly brecciated zone. Medium to high alteration. QC 40%, highly altered granite 40%, basic fragments 10%. Size of fragments ¼"-4".
783.0

783.0 Highly brecciated zone. Medium alteration. Relatively fresh granitic fragments and masses (¼"-12") 20%, fine grained acidic fragments 5%, highly altered granitic fragments 5%, highly chloritized diabasic fragments 10%, fine grained volcanic fragments 5%, QC 40%, 1-2% py, negligible cpy.
838.0

838.0

SECOND DEEPENING

838.0 Granite. Low patchy chloritization and minor earthy green alteration. Realatively massive. Quartz stringers 5%.
839.2

839.2 Highly brecciated zone. Medium alteration. Minor earthy alteration and sericitization of acidic fragments, and medium to high chloritization of basic fragments. Granite 30-35%, fine grained acidic fragments (aplite?) 20-30%, fine grained basic fragments 1-2%, diabasic fragments 5%. Quartz carbonate matrix 25%. Few fragments of banded pseudoporphyritic acidic material, 1-2% py in widely scattered blobs, minor scattered cpy. Note red, relatively fresh and massive granitic "injections" from 868.0 to 872.2 and from 891.0 to 893.1.
893.1

893.1 Diabasic, highly chloritized, with 10% highly serititized patches, medium grained, relatively massive. Brecciated contacts. 2-3% py near end, trace cpy.
896.5

896.5 Highly brecciated zone, predominantly basic, highly chloritized. Quartz 25-30%, highly chloritized granitic fragments less than 5%, highly chloritized fine grained basic and diabasic fragments 50%, chloritized and sericitized acidid 15%.
900.4

900.4 Granite. Medium patchy chloritization and earthy alteration, quartz 5-7%, relatively massive.
909.0

909.0 Highly brecciated zone. Medium to high alteration. Chloritized basic fragments 10%, chloritized and sericitized fine grained acidic fragments 15%, granite 40%, QC 20%, trace py.
907.0

907.0 Weakly mineralized zone. 1-2% cpy associated with quartz in widely scattered blobs, 2-3% py in a highly brecciated zone. Medium alteration. QC 20%, granite

DESCRIPTION

907.0 chloritized and sericitized fine grained basic fragments 30%, acidic fragments 30%, acidic fragments less than 5%.
917.2

917.2 Highly brecciated zone. Medium alteration. Relatively fresh granitic fragments 30%, altered granitic fragments 10%, acidic fragments 15-20%, chloritized basic and diabasic fragments 10-15%, QC 25%. Minor widely scattered cpy blobs (less than 1%) associated with quartz. Minor babded pseudoporphyritic fragments. Note highly chloritized, partly sericitized diabase, irregularly cut by aplite between 955.5 to 958.3; Note 0.7 aplite at 945.6 to 946.3. Note fresh and massive diabase at 974.4 to 978.0, with sharp lower contact at 5° c.n. Note medium chloritized massive diabase at 982.0 to 983.0, and 993.0 to 993.7. The zone includes relatively fresh and massive granitic section from 998.6 to 1002.0, 1007.0 to 1008;0, 1012.0 to 1015.3, 1020.4 to 1021.7. Note extremely altered very soft, green, highly brecciated 0.7' fragment or dykelet at 106.3, and mariposite alteration at 1017.0'. Minor cpy at 1034.0. Quartz gradually decreases to 15-20% from 955.0' on.
1043.0

1043.0 End of hole.

Kathleen Shelley

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER: V-3

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude: 3 00N Dip: 90° Footage Reading Corrected

Departure: 0 00E Depth: 506' - 938.0'

Elevation: 1000.50 Commenced: October 13, 1962 June 7/63

Azimuth: N/A Finished: October 19,1962 Logged by: Ross Shields June 10/63

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 24.0
	24.0 Shatter zone strongly shattered. Quartz carbonate in part vuggy 45%, volcanics 35%, includes minor strongly altered diabase-gabbro. Decomposed and/or altered granite greenish white 20% impure, some epidotization and some kaolinization. Fairly evenly scattered mineralization in the form of chalcopyrite spots and pyrite less than 3/8 inch in size forms a sort of background mineralization with large 1/2-2 inch spots of chalcopyrite with varying amounts of associated pyrite giving mineralization and assay highs where they occur. At 112.6 note green granules in impure granite possibly glauconite. 129 Porphyritic looking but also resembles a greywacke (perhaps glauconite) dark grey green grain size 1/32-1/16 inch. Darker green rounded phenocrysts? or water rounded rock fragment grains or self-foamed pressure release amygdules in fluidized portions of greywacke and arkose. Some pink felsophyres may have been filter-pressed leaving quartz behind along the way or loosing it as a more highly penetrating fraction of a granitic mix with a certain diaschistic tendencies. Note uniform distribution of trace amounts of calcite in granarkoses. 225.0
	225.0 Zone of strong shatter, similar to that at 24, but massive red and some pink granite fragments are present. Note impure granite between 252 and 253 if the quartz were absent the rock would probably be indistinguishable from a greywacke. Note the felsite (aplite?) and fragments between 305 and 306.5 with fragments of volcanics and red granite. Quartz carbonate 35%, volcanics 30%, granite 35%. 332.0
	332.0 Zone of medium to strong shatter. Quartz carbonate vuggy in part 8%. Greenstone (volcanics) including some diabase gaggro 25%. Granite 67%, massive, red and pink varieties and minor amounts of decomposed and/or altered greenish white granite.

DESCRIPTION

364.6 Red massive slightly shattered granite.
379.5 Slightly shattered greenstone tuff, lightly mineralized with .3-.6% chalcopyrite as 1/8-3/8 inch spots in quartz carbonate.
398.0 Shatter zone as at 332.
420.0 Red massive slightly shattered granite.
447.0 Shatter zone as at 332.
506 End of this portion of drilling.

V-3 Deepened

506.0

506.0 Zone of strong shatter.
Quartz carbonate slightly vuggy in minor part 40-45%.
Greenstones 25 to 30% mainly tuffaceous.
Granite 25 to 30% very slightly calcareous throughout, red and pink massive granite fragment types.
Lightly mineralized with 1/4-1/2 inch spots of chalcopyrite and pyrite throughout, estimated .15-.4% Cu. based on visible chalcopyrite.
507 Brownish green to taupe clastic rock, fine grained grain size 1/32-1/16 inch, greywacke, contacts at 10-20° to the core normal.
508 Shatter zone as at 506.
At 561 note molybdenite on S-plane.

577.0

577.0 Zone of strong shatter.
Quartz carbonate vuggy in part 40%.
Greenstone, tuff some greywacke minor altered andesite and diabase gabbro 50%.
Granite whitish to pink decomposed and/or altered 10%.
At 584 note development of malachite in calcareous tuff fragment.
At 627 note 6 inches of chlorite schist.
At 647.5 note fluorite.
Zone is heavily mineralized 608 to 644, 1.5-2.5% Cu. with lower grade .25-.6 Cu. mineralization 577 to 608 and 644 to 708.

708.0

708.0 Zone of mild shatter.
Quartz carbonate .10%.
Greenstone 1%.
Granite pink and minor greenish white decomposed and/or altered 89%.

749.0

749.0 Zone of strong shatter.
Quartz carbonate 40-45%.
Greenstone 25-30%.
Granite 25-30%.
Zone is lightly mineralized .25-45% Cu., 752 to 793 is higher in Cu. content having 3/8 to 3/4 inch spots of chalcopyrite with associated pyrite.
793-838 Shows trace amounts of chalcopyrite spots 1/16-1/4 in size and associated pyrite.
838 - End of first deepening.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: V-3

LOCATION: Batchawana Bay, Ontario

Latitude: 300 N — Dip: 90 degrees — Depth: 506 then 838.0

Departure: 00

Elevation: 1000.50

Azimuth: N/A

Commenced: Oct 13/62 & June //63

Finished: Oct 19/62 & June 10/63

Logged by: Re-logged: S.E. Malouf

DIP TESTS

Footage	Reading	Corrected
250	88-00	88-00
500	88-30	88-30
Pjar 30 Az. N 75 E		88

SAMPLE NUMBER	DESCRIPTION
	0 Casing 24.0
	24.0 Shatter Zone Quartz Carbonate network 35% (Carbonate 5%; Quartz 25%) High Chlorite, medium to high epidote, low to medium sericite Note crystalline quartz, sulphide 5%, generally chalco and pyrite in equal proportions
	85.0 Epidote rich section, sulphide lower - note very crystalline quartz with interstitial carbonate
	128.5 Amygdaloidal Andesite, red brown colour, massive, not shattered, amygdules 3% chloritised and carbonated average size 1/4" see specimen
	134.5 Shatter Zone as above, rock type unknown, but generally basic although 25% appears to be chloritised granite, quartz carbonate injections as above
	161.0 Note: start of red, fine grained, acidic material XXXX in angular fragments 15% of zone - some patchy good chalco as from 169.5 - 174.5, balance generally low
	175.0 Few acid, angular fragments - shatter zone generally as above
	204.0 Start of red, fine grained acid material 10%; granitic injection red also medium grained 20%; basic matrix 50%; balance quartz 25% 5% carbonate
	254.5 Ore Zone 6% chalcopyrite, 5% pyrite, 40 % quartz 10% carbonat epidote chlorite balance with some suggestion of dyke control dense, fine grained dioritic dyke from 263 ± - 265
	269.5 Shatter as above, smaller percentage of sulphides
	274.5 Granite Dyke, not shattered
	281.5 Shatter Zone, high quartz 40%, epidote and chlorite
	300.0 Granite Dyke - injected in manner to brecciated matrix. Matrix is generally basic plus amphibolatised
	353.0 Amphibolite - some shatter and quartz vein injections 10% granite injection 25% - massive, even textured, fine grained

SHEET NUMBER: 2 HOLE NUMBER: V-3

SAMPLE NUMBER	DESCRIPTION
	361.0 Granite red, even textured, medium grained, quartz veinlets 10%
	379.0 Amphibolite, excellent type, medium fine grained with quartz veinlets 5%, chalcopyrite 1% granite injection 5%
	398.0 Granite, red, medium grained, even textured, quartz carbonate injection 20% with associated sulphide, some patchy green epidote alteration, host rock amphibolite 425.0
	425.0 Shatter Zone - quartz carbonate injections 40%; chalcopyrite 8% start of zone - note rhyolite fragmental habit(see specimen).
	427.0 Granite injection, low quartz, medium grained, red
	447.0 Shatter zone as above, high epidote, high chlorite some suggestion of rhyolite fragmental quartz 20%; pyrite 3%; chalcopyrite 1%
	463.0 Red granite as above, quartz carbonate vein system 15%
	480.0 Quartz injections 25%quartz 1% chalcopyrite 3% pyrite epidote rich - some rhyolite fragments
	486.0 Red Granite
	500.0 Shatter Zone as above, quartz vein network 25% scattered sulphide only
	507.0 Red, brown psuedp-amygdaloidal dense fine grained rock possibly andesite or trachy-andesite composition not shattered but injected with quartz to slight extent
	508.0 Shatter Zone as above - note psuedo-rhyolite agglomerate cut by 30% quartz, low sulphide granite dykelets 15%
	522.5 Note narrow band of amphibolite in shatter zone Note rhyolite fragmental follows amphibolite see specimen
	523.5 Shatter Zone acidic host fragmental types with 25% red granite injections quartz 35% Note excellent specimen of rhyolite agglomerate at 553
	578.0 Some good chalcopyrite splashes 3% chalcopyrite, host rock is volcanic and fragmental quartz 35%
	585.0 Quartz network 15% 10% chalcopyrite granite injections 20% note some patchy amphibolite probably basic dyke from 583.6 to 584 note granitic dykelet through amphibolite see specimen 595.0
	595.0 Ore Zone low grade quartz injection 25% carbonate 5% granite 15% high chlorite, high epidote low-medium sericite sulphide low pyrite 3%; chalcopyrite 3%

SAMPLE NUMBER	DESCRIPTION		
	608.0 Chalcopyrite 6%; pyrite 3%; quartz 35%		
	618.0 Granitic injections 45% chalco 1%		
	624.5 Shatter Zone quartz injections 10% chalco 1%		
	627.5 Quartz injection 40%; chalco 12% pyrite 3%		
	633.5 Quartz injection 40% chalco 5% pyrite 1% high chlorite, medium epidote		
	657.0 Quartz inject 20% granite dykelets 15% Note last appears to be amphibolite chalco 1% pyrite 1%		
	669.0 Ore Zone chalco 5% pyrite 1%		
	674.0		
	674.0 Shatter Zone granite dykelets 40% quartz injection 15% chalco 1% matrix appears to be amphibolite		
	691.0 Ore Zone chalco 15% pyrite 3% quartz injection 15% low 693.0		
	693.0 Granite dykelets in shatter as above 75% quartz 15% matrix amphibolite 748.0		
	748.0 Shatter Zone quartz injection 25%; granite dykelets 15% chalco 5% pyrite 1% Note excellent agglomerate see specimen		
	769.0 Amphibolite Band note amphibolite needles		
	770.0 Shatter as above, some good sulphides generally 3% chalco granite dykelets 40% Host is difficult to recognize - believed to be fragmented		
	800.0 Rhyolite agglomerate with quartz injection 25% low chalco 1/2% granite dykelets 15%		
	838.0 End of Hole		

cc: Dr. Malouf

SHEET NUMBER: Sample Sh[illegible] for Deepening Of V-3 HOLE NUMBER: V-3

SAMPLE NUMBER	DESCRIPTION			% Cu	Ag oz/ton
1996	595.8 - 601.5	5.7		1.14	0.37
2005	601.5 - 608.1	6.6		0.32	0.12
XXXX 1997	608.1 -613.1	5.0	. . . . .	6.84	1.15
1998	613.1 - 618.1	5.0	.44 Ag 3.40 Cu / 48.1'	2.39	0.69
2006	618.1 - 626.2	8.1		0.58	0.16
1999	626.2 - 632.2	6.0	Est. 3%	9.18	1.68
2000	632.2 - 637.2	5.0	1.00 Ag 5.87 Cu / 16.0'	2.84	0.40
2001	637.2 - 642.2	5.0	. . . . .	4.92	0.76
2002	642.2 - 647.7	5.5		1.26	0.31
2003	647.7 - 656.2	8.5		1.40	0.32
2004	669.2 - 673.9	4.7		1.88	0.46
2008	696.0 - 697.7	1.7	. . . . .	6.34	1.42
2007	755.1 - 762.2	7.1		2.20	0.38
2009	772.0 - 773.7	1.7		1.99	0.34
2010	762.3 - 765.0	2.7	. . . . .	0.55	
2011	765.0 - 769.0	4.0		1.79	
2012	769.0 - 772.0	3.0		0.11	
2013	774.0 - 777.0	3.0	. . . . .	0.31	
2014	777.0 - 783.0	6.0		1.41	

Sample Sheet for the Deepening o. V-3

	2164	517.0 - 520.0	3.0	1.58	
	2165	525.5 - 528.5	3.0	0.64	
	2123	577.8 - 581.1	3.3	2.17	
	2166	581.1 - 586.0	4.9	0.40	
	2167	586.0 - 591.0	5.0	0.05	
	2168	591.0 - 595.8	4.8	0.45	
	1996	595.8 - 601.5	5.7	1.14	0.37
	2005	601.5 - 608.1	6.6	0.32	0.12
	1997	608.1 - 613.1	5.0	6.84	1.15
	1998	613.1 - 618.1	5.0	2.39	0.69
	2006	618.1 - 626.2	8.1	0.58	0.16
	1999	626.2 - 632.2	6.0	9.18	1.68
	2000	632.2 - 637.2	5.0	2.84	0.40
	2001	637.2 - 642.2	5.0	4.92	0.76
	2002	642.2 - 647.7	5.5	1.26	0.31
	2003	647.7 - 656.2	8.5	1.40	XXXX 0.32
	2169	656.2 - 660.0	3.8	0.38	
	2170	660.0 - 665.0	5.0	0.99	
	2171	665.0 - 669.2	4.2	0.73	
	2004	669.2 - 673.9	4.7	1.88	0.46
	2172	673.9 - 679.9	6.0	0.38	
	2173	679.9 - 685.0	5.1	0.35	
	2174	685.0 - 689.7	4.7	0.36	
	2175	689.7 - 696.0	6.3	0.22	
	2008	696.0 - 697.7	1.7	6.34	
	2176	697.7 - 702.3	4.6	1.32	
	2177	702.3 - 708.2	5.9	0.82	
		708.2 - 749.2	seems to be barren		
	2178	749.2 - 755.1	5.9	0.27	
	2007	755.1 - 762.2	7.1	2.20	0.38
	2010	762.2 - 765.0	2.8	0.55	
	2011	765.0 - 769.0	4.0	1.79	
	2012	769.0 - 772.0	3.0	0.11	
	2009	772.0 - 773.7	1.7	1.99	
	2013	774.0 - 777.0	3.0	0.31	
	2014	777.0 - 783.0	6.0	1.41	
	2179	783.0 - 788.5	5.5	0.07	
	2180	788.5 - 792.9	4.4	0.62	
Sludges	2114	600.0 - 610.0	10.0	1.02	
	2115	610.0 - 620.0	10.0	4.42	
	2116	620.0 - 630.0	10.0	4.14	
	2117	630.0 - 640.0	10.0	7.21	

cc: Dr. Malouf

D.D.H. V-3

SAMPLES TAKEN FROM LAST DEEPENING:

7986	907.2 - 908.9	1.7'
7987	908.9 - 916.4	7.5'
7988	916.4 - 917.4	1.0'

Sheet No. 1. ASSAY RESULTS Hole No. V-3

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1348	22.0-32.0	10.0	0.46		
9	32.0-42.0	10.0	0.95		
1350	42.0-52.0	10.0	0.66		
1	52.0-62.0	10.0	0.59		
2	62.0-72.0	10.0	0.32		
3	72.0-82.0	10.0	0.73		
4	82.0-92.0	10.0	0.46		
5	92.0-102.0	10.0	0.34		
6	102.0-112.0	10.0	0.20		
7	112.0-123.0	11.0	0.23		
1176	123.0-128.5	5.5	0.83		
1501	128.5-137.5	9.0	0.18		
2	137.5-146.5	9.0	0.33		
3	146.5-154.5	8.0	0.48		
1177	154.5-159.5	5.0	0.33		
8	159.5-164.5	5.0	0.12		
9	164.5-169.5	5.0	0.46		
1180	169.5-174.5	5.0	2.48		
1	174.5-179.5	5.0	0.23		
2	179.5-184.5	5.0	0.38		
3	184.5-189.5	5.0	0.27		
1201	189.5-194.5	5.0	0.40		
2	194.5-199.5	5.0	0.81		
3	199.5-204.5	5.0	0.55		
4	204.5-209.5	5.0	0.60		
5	209.5-214.5	5.0	0.35		
6	214.5-219.5	5.0	0.62		
7	219.5-224.5	5.0	0.48		
8	224.5-229.5	5.0	0.21		
9	229.5-234.5	5.0	0.41		
1210	234.5-239.5	5.0	0.21		
1	239.5-244.5	5.0	0.24		
2	244.5-249.5	5.0	0.18		
3	249.5-254.5	5.0	0.64		
4	254.5-259.5	5.0	2.09		
1184	259.5-264.5	5.0	1.94		
1186	264.5-269.5	5.0	0.87		
1188	269.5-274.5	5.0	0.30		
9	274.5-279.5	5.0	0.19		
1190	279.5-284.5	5.0	0.21		
1	284.5-289.5	5.0	0.37		
2	289.5-294.5	5.0	0.37		
3	294.5-299.5	5.0	0.35		
4	299.5-304.5	5.0	0.27		
5	304.5-309.5	5.0	0.20		
6	309.5-314.5	5.0	0.21		
7	314.5-319.5	5.0	0.26		
8	319.5-324.5	5.0	0.40		
9	324.5-329.5	5.0	0.26		

ASSAY RESULTS

Hole No. V-3

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
6194	379.5-384.5	5.0	0.20		
5	384.5-389.5	5.0	0.25		
6	389.5-394.5	5.0	0.20		
7	394.5-399.5	5.0	0.10		
6198	415.3-417.8	2.5	0.08		
9	417.8-420.3	2.5	0.20		
6200	420.3-423.3	3.0	0.07		
1	423.3-426.5	3.2	0.68		
2	426.5-429.0	2.5	0.11		
1258	447.0-452.5	5.5	0.12		
9	452.5-463.5	11.0	0.24		
1260	479.0-483.5	4.5	0.63		
6859	483.5-485.7	2.2	0.26		
6203	498.5-501.0	2.5	0.10		
4	501.0-506.0	5.0	0.24		
5	506.0-511.0	5.0	0.26		
6	511.0-517.0	6.0	0.22		
2164	517.0-520.0	3.0	1.58		
6207	520.0-525.5	5.5	0.17		
2165.	525.5-528.5	3.0	0.64		
6208	528.5-533.5	5.0	0.34		
9	533.5-538.5	5.0	0.35		
6210	538.5-543.5	5.0	0.27		
6211	543.5-548.5	5.0	0.15		
6212	548.5-553.5	5.0	0.13		
3	553.5-558.5	5.0	0.23		
4	558.5-563.5	5.0	0.36		
5	563.5-568.5	5.0	0.16		
6	568.5-573.5	5.0	0.19		
7	573.5-578.0	4.5	0.18		
2123	577.8-581.1	3.3	2.17		
2166	581.1-586.0	4.9	0.40		
7	586.0-591.0	5.0	0.05		
8	591.0-595.8	4.8	0.45		
1996	595.8-601.5	5.7	1.14		0.37
2005	601.5-608.1	6.6	0.32		0.12
1997	608.1-613.1	5.0	6.84		1.15
8	613.1-618.1	5.0	2.39		0.69
2006	618.1-626.2	8.1	0.58		0.16
1999	626.2-632.2	6.0	9.18		1.68
2000	632.2-637.2	5.0	2.84		0.40

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
2001	637.2-642.2	5.0	4.92		0.76
2	642.2-647.7	5.5	1.26		0.31
3	647.7-656.2	8.5	1.40		0.32
2169	656.2-660.0	3.8	0.38		
2170	660.0-665.0	5.0	0.99		
1	665.0-669.2	4.2	0.73		
2004	669.2-673.9	4.7	1.88		0.46
2172	673.9-679.9	6.0	0.38		
3	679.9-685.0	5.1	0.35		
4	685.0-689.7	4.7	0.36		
5	689.7-696.0	6.3	0.22		
2008	696.0-697.7	1.7	6.34		1.42
2176	697.7-702.3	4.6	1.32		
7	702.3-708.2	5.9	0.82		
2178	749.2-755.1	5.9	0.27		
2007	755.1-762.2	7.1	2.20		0.38
2010	762.2-765.0	2.8	0.55		
1	765.0-769.0	4.0	1.79		
2	769.0-772.0	3.0	0.11		
2009	772.0-774.0	2.0	1.99		0.34
2013	774.0-777.0	3.0	0.31		
4	777.0-783.0	6.0	1.41		
2179	783.0-788.5	5.5	0.07		
2180	788.5-792.9	4.4	0.62		
7986	907.2-908.9	1.7	0.79		
7	908.9-916.4	7.5	0.15		
8	916.4-917.4	1.0	0.64		
AVERAGES:					
	32.0-62.0	30.0	0.73		
	169.5-264.5	95.0	0.69		
	254.5-264.5	10.0	2.02		
	595.8-626.2	22.3	2.46		0.54
	608.1-656.2	48.1	3.40		0.64
	595.8-702.3	106.5	2.01		
	626.2-656.2	30.0	3.76		0.68
	697.7-708.2	10.5	1.05		
	755.1-783.0	22.9	1.06		

ASSAY RESULTS

Hole No. V-3

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1138	22.0-32.0	10.0	0.40		
9	32.0-42.0	10.0	0.72		
1140	42.0-52.0	10.0	1.11		
1	52.0-62.0	10.0	0.77		
2	62.0-72.0	10.0	0.74		
3	72.0-80.0	8.0	0.59		
4	80.0-90.0	10.0	0.45		
5	90.0-100.0	10.0	1.17		
6	100.0-110.0	10.0	0.86		
1167	100.0-110.0	10.0	0.65		
8	110.0-120.0	10.0	0.77		
1185	150.0-160.0	10.0	1.14		
1187	160.0-170.0	10.0	1.07		
2114	600.0-610.0	10.0	1.02		
5	610.0-620.0	10.0	4.42		
6	620.0-630.0	10.0	4.14		
7	630.0-640.0	10.0	7.21		
AVERAGES:					
	150.0-170.0	20.0	1.11		
	600.0-640.0	40.0	4.20		
	610.0-640.0	30.0	5.26		

DIAMOND DRILL LOG

PROPERTY: / Tribag Mining Co. Limited HOLE NUMBER: V-4

LOCATION: Batchawana Bay, Ontario DIP TESTS

			Footage	Reading	Corrected
Latitude:	200N	Dip: 90°	250		
Departure:	100E	Depth: 498'	500		
Elevation:		Commenced: October 13, 1962			
Azimuth:		Finished: October 16, 1962	Logged by: M. Blecha		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 18.0
	18.0 Highly brecciated zone. Low alteration; relatively fresh granitic fragments 15%; aplite fragments and dykelets 25%; chloritized diabasic fragments 15%; fine grained foliated volcanic (?) fragments 5%; quartz carbonate 10-15%. Note minor banded porphyritic acidic fragments. 35.0
	35.0 Diabase dyke. First two feet highly brecciated, with 10% small granitic and acidic inclusions. Becoming massive, slightly chloritized; fine grained from 36.5 on. 42.0 - Highly brecciated zone. Predominately aplite fragments (50%), diabase 20%, granite 10%, quartz carbonate 20%. 43.6 - Granite, pink, fresh and massive. 5% quartz, trace pyrite. 47.0 - Highly brecciated zone. Granite fragments 30%, aplite 30%, basic 10%, quartz carbonate 20%, 2% pyrite. 48.4 - Aplite dyke, fine grained, sugary texture, fresh and massive. Sharp upper contact at (20° c.n.) lower (5° c.n.) 2% quartz stringers. 52.0
	52.0 Highly brecciated zone. Low to medium alteration. Granitic fragments and masses 25%, chloritized basic and diabasic 25%, aplite fragments and dykelets 25%, quartz carbonate 25%, less than 1% pyrite and chalcopyrite. Note 8 foot fresh and massive, fine grained, diabase dyke at 74.0. 75.4
	75.4 Mineralized zone. 4-5% chalcopyrite, 4-5% pyrite, associated with quartz in a highly brecciated zone. Low to medium alteration Quartz 15%. 76.8
	76.8 Highly brecciated zone. Low to medium alteration; basic volcanic fragments and masses banded at45° c.n. 25%; granitic fragments and masses 10%, aplite fragments 10%, gabbroic fragment 10%, quartz carbonate 15%, minor fragments of acidic porphyritic material. Note fragments of the above rock commonly embedded in each other without intervening quartz. Note a 1.5 foot highly altered (chl.) predominately basic brecciated zone at 81.5. Trace pyrite and chalcopyrite throughout.

DESCRIPTION

96.0

96.0 Granite, pink, fresh and massive. Cut by a 3-inch aplite dyke at 98.0.

105.0

105.0 Highly brecciated zone. Low alteration. Size of fragments small 1/4-6". Granitic fragments 5%; aplite fragments 25%; fine grained, basic fragments 25%; acidic banded porphyritic fragments 5%; quartz 25%. Note 1 foot aplite dyke at 18.5. Minor scattered blobs chalcopyrite and pyrite, associated with quartz throughout. Note fragments commonly embedded without intervening quartz.

121.0 - Trap dyke. Grey, fine grained to aphanitic, hard, massive. Minor angular inclusion of granite and aplite near contacts.

124.0 - Granite. Pink, fresh and massive. Note angular 5 inch trap inclusions at 127.3. Note 2 inch quartz carbonate zone with 10% pyrite, trace chalcopyrite and 2-3% chalcocite (see specimen) at 128.4.

128.4 - Highly brecciated zone. Predominately basic, slightly chloritic, gabbroic(?). Granite 5%, aplite fragments 5%, in quartz rich contact zones. 1% pyrite and chalcopyrite.

137.0 - Highly brecciated zone. Low alteration, small fragments; granitic fragments 25%; aplite 25%; gabbro 10%; fine grained basic 10%; quartz carbonate 20%; minor pyrite and chalcopyrite.

154.6

154.6 Highly brecciated zone. Diabasic fragments and dykelets 45%; aplite 25%; granite 5%; acidic, porphyritic fragments 5%; quartz carbonate 20%, trace chalcopyrite and pyrite. Low alteration. Cut by a 2.5 foot fresh and massive gabbroic dyke from 161.0.

165.0

165.0 Granite - pink, fresh and massive. Cut by a 1 foot aplite dyke. Note sharp irregular contact of aplite. Note irregular 1-4 inch gabbroic inclusions embedded in granite without intervening quartz at 169.4.

171.0

171.0 Highly brecciated zone. Low to medium alteration; small fragments (1/4-4") embedded in a quartz carbonate matrix. Aplite fragments and dykelets 30%; granitic fragments 20%; gabbroic fragments 10%; quartz carbonate 25%. Note granitic and acidic fragments are fresh, diabase highly chloritized. 1% chalcopyrite and 1% pyrite in widely scattered blobs associated with quartz throughout. Note a 2.2 foot of porphyritic aplite (?) consisting of 10%. Anhedral quartz phenocrysts (1-10 mm.) in a red fine-grained sugary fresh matrix. Note fragments of granite and aplite, embedded in diabase intervening quartz. Note a highly altered zone 171.6 to 175.0.

Note 1.6 foot quartz rich zone with minor chalcopyrite from 219.4. Core badly broken up.

232.0

232.0 Mineralized zone. 50% chalcopyrite, 10% pyrite, associated with quartz.

DESCRIPTION

232.5

232.5 Medium brecciated zone. Medium alteration. Granite masses and fragments 35%; altered aplite 10%; diabase 20%; chloritized basic material 15%; quartz carbonate 20%; minor pyrite and chalcopyrite throughout. Note highly altered (chl.) fractured diabase at 246.0. 15% quartz; 10% chloritized granite; 1% pyrite and chalcopyrite.
263.0

263.0 Granite. Relatively fresh and massive. Low alteration. (patchy chl. and kaolinization).
267.0

267.0 Mineralized zone. 40% chalcopyrite, 15% pyrite in a highly brecciated zone; quartz 30%; chloritized granitic and basic fragments 15%. Note massive sulphides from 268.0 to 269.6.
269.6 - Grey dyke. Fine grained, massive, medium chloritized 1% disseminated pyrite. Sharp upper contact at30° cn.
270.8 - Mineralized zone. 30% chalcopyrite, 10% pyrite in a highly brecciated zone as at 267.0. Note massive, sulphides in first 0.5 foot.
273.0

273.0 Volcanic(?) Dark green, fine grained, highly chloritized. Foliated upper contact. Minor brecciation with fine, red acidic inclusions. Quartz stringers 5%. No mineralization.
275.8

275.8 Mineralized zone. 2-3% chalcopyrite, 1-2% pyrite in widely scattered blobs in a highly brecciated zone. Highly chloritized granite fragments 50%, highly chloritized basic and diabasic fragments 20%; quartz 30%. Note a quartz-rich zone from 285.0 to 289.0 (70% quartz). Core partly broken up. From 299.0 on, chloritization decreases to medium.
301.0

301.0 Granite. Low alteration, relatively massive, pink. Quartz 2-3%; trace of pyrite.
312.4

312.4 Mineralized zone. 2-3% chalcopyrite; 1-2% pyrite in widely scattered blobs, associated with quartz in a highly brecciated zone. Medium-high chloritization and sericitization of granite. Relatively fresh granite 25-30%; chloritized granite 20%; chloritized diabasic fragments 10%; quartz carbonate 30-35%.
340.0

340.0 Mineralized zone. 1-2% chalcopyrite, 1-2% pyrite in a highly brecciated zone. Predominately highly chloritized basic material 50%; quartz carbonate 50%. Note highly chloritized striated slip planes at 346.5. Note 1.0' relatively fresh and massive pink, barren granite 347.0-348.0.
349.0

349.0 Granite, highly chloritized. "Wet" type, chloritization. Note striated slip planes at 352.0.
354.5

354.5 Medium brecciated zone. Medium-high alteration. Predominately granite (70%); 5% chloritized basic; 15-20% quartz; 2-3% pyrite and chalcopyrite. Contains a highly altered zone from 361.0 to 362.0.

DESCRIPTION

366.5

366.5 Granite. Relatively fresh and massive, pink. Interrupted by highly brecciated, medium-high altered zones from 373.0-375.0 and 376.0-379.0.

381.5

381.5 Low brecciated zone. Low alteration. Predominately granitic (85%); quartz 5%; chloritized basic 5%. Note chloritized inclusion embedded in granite without intervening quartz. 0.5 quartz rich zone at 388.0.

389.0

389.0 Medium brecciated zone. Highly chloritized diabase 80%; altered acidic 10%; quartz 10%.

390.8

390.8 Granite. Relatively massive, low alteration. Interrupted by a highly altered, predominately diabasic, chloritized highly brecciated zone with 1-2% pyrite and chalcopyrite from 393.8-395.7.

404.0

404.0 Highly brecciated zone. High chloritization. Chloritized granitic fragments 65%; chloritized basic and diabasic 10%; quartz carbonate 25%; 1-2% chalcopyrite, 1% pyrite associated with quartz. Zone includes a 1.0' relatively fresh massive granite at 414.3.

417.0

417.0 Medium brecciated zone. Low-medium alteration. Relatively fresh granite fragments and masses 60%; highly chloritized granitic fragments 5%; fine-grained acidic fragments 5%; quartz carbonate 15-20%. The zone includes sections of massive and fresh granite from 423.0-427.0, 442.0-443.5, 446.0-449.0, 451.0-452.0, 452.8-455.2, then zones are interrupted by medium-high altered quartz-rich breccia zones. Note 1.0 of slightly altered micropegmatite(?) at 427.5 (see Specimen)

455.2

455.2 Highly brecciated zone. High alteration. Quartz 35%. Note 1/2" blob chalcopyrite at 455.8. A highly brecciated fracture parallel to core from 456.0-456.5.

456.8

456.8 Medium brecciated zone. Low-medium alteration. Granite fragments and masses 55%; highly chloritized basic dyke material (?) 20%; acidic fragments 10%; quartz carbonate 15%. Note highly chloritized brecciated dykelet(?) at 473.0-474.0, cut by 25% quartz carbonate. 1-2% pyrite and chalcopyrite throughout.

478.7 - Granite - volcanics contact zone. Relatively fresh and massive granite fragments (40%) embedded in a fine-grained, dark green volcanic masses (or vice-versa?) - without any intervening quartz. The zone cut by 5% quartz stringers. 2-3% pyrite.

483.5

483.5 Brecciated granite. Low-medium alteration, high brecciation. Quartz 30%.

485.0

485.0 Granite. Pink, fresh and massive.

DESCRIPTION

490.0

490.0 Brecciated granite. Medium brecciation, low-medium alteration. Quartz 25%; contains a 3" highly chloritized granitic fragments in centre, with minor, associated pyrite and chalcopyrite.

498.0

498.0 Medium brecciated zone. Relatively fresh. Predominately granitic masses and fragments (90%). Coarse vuggy quartz (10%) with minor blobs of chalcopyrite and pyrite. Minor chloritized patches.

507.0

507.0 Highly brecciated zone. Alteration increases to medium-high. Green earthy granitic fragments 80%, altered acidic fragments 5%, quartz carbonate 20%.
Note relatively fresh granitic masses 515.5-517.0 and 525.0-526.0. Minor pyrite and chalcopyrite from 530.0-531.4.

533.0

533.0 Medium brecciated zone. Low-medium alteration, fresh granite 85%; quartz 5-7%; acidic and basic fragments less than 5%. Note pink, fresh and massive granite from 538.3 to 540.5 and 544.0 to 546.6.

547.5

547.5 Highly brecciated zone. Medium-high alteration. Relatively fresh granitic fragments and masses 15%; green, altered granite 50%; acidic less than 5%; chloritized fine grained basic fragments and dykelets 5%; quartz carbonate 25-30%. Note highly chloritized, fine grained pyrite, pseudophenocrysts dykelet at 570.2-571.0. Minor scattered pyrite and chalcopyrite blobs between 600.0-608.0.

628.7

628.7 Highly brecciated zone. High alteration. Highly chloritized basic fragments 25%; granite 15%; quartz carbonate 45%. Minor pyrite and chalcopyrite associated with granite.

642.0

642.0 Highly brecciated zone. Alteration medium. Granite 70%; diabasic fragments less than 5%; acidic less than 5%; quartz carbonate 15%. Note 2" blobs chalcopyrite at 650.8. 1-2% pyrite throughout.

665.0

665.0 Trap. Highly chloritized, fine grained, brownish pyrite, patchy, locally foliated at 30° c.n.

667.5

667.5 Highly brecciated zone. Medium-high alteration - small fragments. Fine grained basic 20%; diabasic less than 5%; acidic 20%; granite 20%; quartz carbonate 40%.

672.5

672.5 Medium brecciated zone. Medium alteration. Granite 80%; sercitized acidic less than 5%; quartz carbonate 10%.

682.0

682.0 Highly brecciated zone. High alteration. Granite 45%; fine-grained basic 5%; quartz carbonate 50% ; minor pyrite and chalcopyrite.

704.2

704.2 Medium brecciated zone. Low alteration. Granite 90%; quartz 10%. Minor chloritized patches.

DESCRIPTION

716.9
716.9 Highly brecciated zone. High alteration. Granite 35%; sericitized acidic 5%; quartz 60%; less than 1% pyrite.
723.0
723.0 Granite. Relatively massive, low earthy and chloritic alteration.
728.5
728.5 Medium brecciated zone. High alteration; earthy and chloritized granite 60%; quartz carbonate 25%; altered acidic 5%; basic 25%. Note extreme earthy alteration of granite at 730.7, and from 735.0-737.0. Strong foliation at 736.8 (45-60° c.n.) (possibly fault?)
Note relatively fresh basic granite between 732.0-733.5.
742.2
742.2 Medium brecciated zone. Medium alteration. Granitic fragments and masses 50% (relatively fresh). Highly chloritized granitic fragments less than 5%; acidic fragments and dykelets 10%; basic fragments less than 5%; quartz carbonate 20%; 1% widely scattered blobs of chalcopyrite and pyrite.
777.8
777.8 Aplite dyke. Highly altered and brecciated. 10% quartz.
Note 1" inclusions of diabase without intervening quartz.
779.8 - Diabase. Highly chloritized. From 780.7 on is highly sheared, shattered and chloritized.
781.5
781.5 Medium brecciated zone. Medium alteration. Granite (relatively fresh) 75%; altered acidic 25%; quartz carbonate 10-15%. Note altered aplite dykelet (0.5'). Small inclusion of banded pseudoporphyritic material at 797.0. (see specimen
814.0
814.0 Highly brecciated zone. Medium-high alteration. Granite 80% quartz carbonate 20%.
820.0
820.0 Medium brecciated zone. Low alteration. Granite 80%; quart carbonate 10-15%; dyke material 10%. Note highly chloritize basic pseudoporphyry dykelet at 830.3-831.3.
833.0
833.0 Granite - pink, fresh and massive.
837.3
837.3 Medium brecciated zone. Medium alteration. Granite 80%; altered acidic 5%; quartz carbonate 15%.
843.0
843.0 Brecciated granite. Low alteration, low brecciation. Long masses of relatively massive granite interrupted by quartz-rich breccia zone.
853.3
850.0 Medium brecciated zone. Medium alteration. Relatively fresh granitic fragments and masses 55%. Highly altered granitic fragments 5%; basic fragments(dykelets?) 5%; altered acidic 5%; quartz carbonate 15%; Note highly chloritized granite from 855.2-856.3. Zone includes a relatively massive and fresh granitic section from 895.0-898.8.

DESCRIPTION

903.4

903.4 Medium brecciated zone. High alteration. Highly chloritized granite 40-50%; highly chloritized basic and diabasic material 20-30%; sericitized and chloritized fine-grained acidic material 10-15%; quartz carbonate 10%.

911.8 - Medium brecciated zone as at 850.0.

915.5 - Dyke, fine-grained, pseudoporphyritic, highly chloritized. Note sericitization near contacts (0-20° c.n.).

916.7

916.7 Granite. Relatively massive, pink, except for a quartz-rich brecciated zone with 20% basic fragments at 922.4-924.0. Low alteration; from 925.7 granite becomes red, with minor kaolinization of feldspar constituents.

929.5

929.5 Low brecciated zone. Low alteration. Predominately granitic (90%); 5% quartz; acidic and basic fine-grained fragmehts. Cut by fine grained grey, massive dykelet at 943.4-944.2, and by a basic brecciated dykelet from 945.0-946.3. Sericitized, acidic dykelets at 948.7-950.8, 953.0-953.8, 956.5-958.5.

968.4 - Medium brecciated zone, as above, but brecciation and alteration increases to medium. Granite becomes bleached and colour changes to pale greenish-orange. Cut by a highly chloritized medium-grained diabase dyke from 972.5 to 975.2. Total quartz 5%.

975.2

975.2 Granite, relatively massive, but low-medium sericitized. The rock is greenish pink, locally very soft (highly sericitized). Cut by less than 5% quartz. Minor local brecciation.

1002.0 - As above, but sericitization very gradually increases to medium. Cut by a highly chloritized diabase at 1008.5 to 1011.2.

Between 1012 and 1013.0, the rock contains two highly chloritized basic inclusions (dykelets). Note highly altered zone at 1005.5-1006.0.

From 1037.0, alteration increases to high.

1041.0

1041.0 Highly altered zone. High sericitization and chloritization. Locally highly shattered, 1-2% pyrite. Original rock unrecognizable. (possibly quartz-poor granitic?) Cut by a highly chloritized and sericitized basic dyke from 1043.3-1044.5, with 5% carbonate patches. Sharp upper contact at 20° c.n. This zone might be a fault?

1046.4 - Highly chloritized and sericitized, fine-grained, grain dyke. Probably an altered aplite. Sharp contacts at 30° and 20° c.n.

1047.9 - Highly altered zone, as at 1041.0. From 1048.7 the rock becomes highly sericitized, very soft and green. Note few angular 1" inclusions of green, chloritized rock. Granitic texture locally evident.

1051.5 - Highly altered zone, as at 1041.0. From 105_.7, the rock becomes brecciated and containing 50% highly chloritized basic angular inclusions. 1-2% pyrite.

1057.7 - Chloritization decreases, but sericitization still very high. Granitic texture evident in places.

DESCRIPTION

1061.0 - Granite. Massive, alteration ddcreases to medium-high.
1063.0 - Zone of high alteration. Highly sericitized, medium brecciated rock, with 5% inclusions of highly chloritiz material. Carbonate 5%. Original rock unrecognizable. No quartz.
1073.4 - Dyke, green, extremely sericitized, fine grained.
1075.0 - As at 1063.0. Note first appearance of introduced quartz at 1075.0-1076.5 (20%). Note fault gauge (?) at 1051.0? Zone includes minor less altered granitic phases.
1081.8 - High sericitization of feldspar constituents. Unaltered quartz grains 45%. Few zones of extreme alteration. No introduced quartz.
1087.5 - Alteration decreases to medium.
1089.5 - Highly sericitized brecciated zone. 50% soft pink and yellow fragments (less than 1/4") in a highly sericitized matrix. No introduced quartz carbonate.
1091.0 - Granite, as at 1081.8.
1093.5 - Highly altered zone. High sericitization, minor brecciation with only 1-2% introduced carbonate. No quartz. Occasionally granitic texture evident.
1105.2

1105.2 Felsite - Rhyolite? Pale greyish brown, aphanitic, siliceous cherty, slightly banded rock (50° c.n.). 1-2% quartz stringers. Abrupt upper contact, lower contact brecciated.
1106.4

1106.4 Medium brecciated zone. General alteration medium. The rock consists of 40% relatively fresh pink granitic fragments and masses (up to 5' in length) interrupted by medium-highly altered quartz-rich breccia zones, with embedded fragments of chloritized basic material, and by 20% highly chloritized and sericitized basic and acidic dykes. Total quartz 10-15%. Note highly altered zones from 1120.0-1123.0, 1130.0-1132.5; 1% pyrite.
1155.0

1155.0 Highly brecciated zone. Medium alteration (sericitization). Granitic fragments and masses 60%; highly chloritized basic and diabasic fragments 5%; altered fine grained acidic fragments 5%; quartz carbonate 25%. Note chloritized diabasic inclusion embedded in granite at 1163.0. Minor patchy chloritization, of granite.
1183.0

1183.0 Mineralized zone. 2-3% chalcopyrite, 1-2% pyrite in widely scattered blobs associated with quartz, in a medium brecciated zone. Alteration medium. Predominately pink granite 70%; red massive granitic injection (at 1183.2-1184.2) - chloritized basic and diabasic fragments 10%; quartz carbonate 20%.
1194.5

1194.5 Low brecciated zone. Low-medium alteration; predominately massive granitic sections (90%) with 5-7% quartz; and few fine grained acidic fragments. Minor patchy chloritization. Minor pyrite and chalcopyrite.

DESCRIPTION

1200.0

1200.0 Highly brecciated zone. Quartz carbonate 25-30%, granitic fragments 60%; chloritized basic fragments less than 5%; acidic less than 5%; 2-3% pyrite; minor chalcopyrite. Note a 1.0' fine grained basic, medium chloritized trap dyke at 1209.0. Note a 2.0' aplite(?) dyke with 15% chlorite pseudophenocrysts. Note chloritized trap at 1261.2. The zone contains several short (few inch) highly altered sections at 1233.5, 1240.0-1241.0, 1258.0, 1270.5-1271.5, 1275.5-1276.0, 1278.3-1280.0, 1300.2-1301.5. Note highly chloritized trap dyke with 5% pyrite from 1292.0-1294.4, highly chloritized and sericitized medium-grained diabase dyke from 1301.5-1303.7.

1327.0

1327.0 Highly brecciated zone, as above, but alteration gradually increases to medium-high. Note, 0.5' highly chloritized trap at 1336.8-1337.2. Note 2" extreme alteration of granite at 1343.7. Last two feet become less altered.

1345.5

1345.5 End of Hole.

ASSAY RESULTS

Hole No. V-4

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	WO3%	Ag.%
7980	75.4-76.8	1.4	1.01		
7982	219.4-221.0	1.6	1.49		
3	221.0-22660	5.0	0.14		
4	226.0-232.9	6.9	1.00		
7981	232.9-234.1	1.2	6.86		
7985	234.1-239.1	5.0	0.14		
1101	267.0-273.0	6.0	16.74	0.59	
1156	273.0-279.5	6.5	0.43	0.08	
7	279.5-284.5	5.0	0.34	0.10	
1111	284.5-289.5	5.0	1.43	0.15	
2	289.5-294.5	5.0	1.29	0.14	
1158	294.5-299.5	5.0	0.15		
9	299.5-304.5	5.0	0.29		
1160	304.5-309.5	5.0	0.11		
1	309.5-314.5	5.0	0.56		
2	314.5-319.5	5.0	0.52		
3	319.5-324.5	5.0	0.47		
4	324.5-329.5	5.0	1.07		
5	329.5-334.5	5.0	0.26		
6	334.5-339.5	5.0	0.26		
1169	339.5-344.5	5.0	0.74		
1170	344.5-349.5	5.0	0.51		
1	349.5-354.5	5.0	0.17		
2	354.5-359.5	5.0	0.35		
3	359.5-364.5	5.0	0.82		
1174	471.0-476.0	5.0	0.25		
1175	492.0-497.0	5.0	0.34		
2220	530.0-532.4	2.4	0.18		
2181	598.0-605.4	7.4	0.34		
2331	605.4-615.0	9.6	0.10		
2	615.0-625.0	10.0	0.16		
3	625.0-629.5	4.5	0.07		
2182	629.5-634.5	5.0	0.31		
3	634.5-638.8	4.3	0.14		
4	638.8-647.0	8.2	0.35		
5	647.0-651.6	4.6	1.01		

ASSAY RESULTS

Hole No. V-4

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	WO3%	Ag.%
2334	692.0-696.6	4.6	0.04		
5	696.6-702.9	6.3	0.19		
2214	983.2-988.3	5.1	0.78		
2218	1182.6-1187.4	4.8	0.38		
9	1187.4-1194.5	7.1	0.54		
2342	1200.0-1210.0	5.0	0.13		
3	1205.0-1210.0	5.0	0.17		
4	1210.0-1215.0	5.0	0.09		
5	1215.0-1220.0	5.0	0.18		
6	1220.0-1225.0	5.0	0.06		
AVERAGES:					
	219.4-234.1	14.7	1.24		
	267.0-294.5	27.5	4.31	0.22	
	267.0-364.5	97.5	1.54		
	309.5-329.5	20.0	0.66		
	1182.6-1194.5	11.9	0.48		

ASSAY RESULTS

Hole No. V-4

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%
1147	20.0-30.0	10.0	0.26
8	30.0-40.0	10.0	0.20
1149	60.0-70.0	10.0	0.46
1150	70.0-80.0	10.0	0.36
1151	220.0-230.0	10.0	0.32
2	230.0-240.0	10.0	0.51

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd. HOLE NUMBER: V-4

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

Latitude: 200N	Dip: 90 deg.	Footage	Reading	Corrected
Departure: 100E	Depth: 498'	250		
Elevation:	Commenced: October 13,1962	500		
Azimuth:	Finished: October 16,1962	Logged by: S.E.Malouf		

SAMPLE NUMBER	DESCRIPTION
	0 Casing
	18'
	18' Gabbro general habit - Quartz carbonate 10%. Granite dykelets 15%. Red felsite 10%. Note rhyolite fragmental. Large angular fragments mainly mechanical brecciation and some mixing 15%. Some scattered chalcopyrite, excellent as from 76 to 77. Chalcopyrite 8%. Alteration low.
	231'- Good Chalcopyrite, not sampled 6%. Quartz carbonate 40%.
	233'- Host generally as above - increasing amounts of quartz carbonate and rhyolite agglomerate.
	253'
	253' Rhyolite agglomerate predominate - green grey chloritised type - gabbro 15% - granitic dykelets 25% - quartz carbonate 15%.
	267.0
	267.0' Ore Zone - high grade 30%, chalcopyrite,15% pyrite, quartz carbonate 30%. Note red hematite staining.
	269'- Grey trap dyke, contacts at 20° to core normal. Note dense fine grained with some pyrite.
	271'- Ore as above. More quartz carbonate.
	273'- Grey trap dyke as above. Note red hematite staining.
	275'- Quartz carbonate 40%,low chalcopyrite 2%. High alteration. Chlorite and silica, medium margarite.
	284.5 - Quartz Carbonate 60%, Chalcopyrite 4%. High alteration.
	294.5 - Granitic dykelets 80%. Some low chalcopyrite 2%.
	311'- Quartz carbonate 40%, granitic dykelets 40%, chalcopyrite 3%.
	364.5'
	364.5' Rhyolite agglomerate with granitic dykelets 60%. Gabbro 10%. Quartz carbonate veining 10%. Moderate to low. Shatter low chalcopyrite.
	404' - Shatter Zone, quartz carbonate veining 30%. Medium high alteration, high chlorite, low-med. sericite or margarite. Medium silica. Low chalcopyrite 1%.
	415.5 - Rhyolite agglomerate as above. Quartz carbonate veining 10%. Largeley granitic dykelets 70%. Red hematite staining and fair fragmental. Generally not very altered. See specimen at 478'. Some low chalcopyrite.
	498.0 - Deepening of Hole V-4.
	498' - Rhyolite agglomerate, as previously. Quartz carbonate 10%. Generally massive and granitic. Some low chalcopyrite.

DIAMOND DRILL LOG

PROPERTY:

HOLE NUMBER: V-4

LOCATION:

DIP TESTS

Latitude:	Dip:	Footage	Reading	Corrected
Departure:	Depth:			
Elevation:	Commenced:			
Azimuth:	Finished:	Logged by:		

SAMPLE NUMBER	DESCRIPTION
	548.0
548.0	Rhyolite agglomerate, medium shatter. Quartz carbonate veining 35%. Granitic injections 25%. Note low grade chalcopyrite mineralized throughout. Gabbro 10%.
	570' - Grey granite dyke, some pseudo amygdules, in at 45 degrees to core normal.
	571' - Shatter zone as above. Near ore.
	611' - Grey trap dyke.
	612' - Shatter zone as above. Probably corresponds to ore zone in V-3 and V-8. Granitic dykelets 25%. Mainly between 620 and 629'.
	629' - Chalcopyrite 3%. Note grey trap dyke before fair sulphide.
	633'- Grey trap dyke with some granitic dykelets.
	638'- Quartz carbonate 35%. Chalcopyrite 3%.
	643'- Granitic injection 45%. Quartz carbonate 20%.
	648'- Quartz carbonate 40%.
	651'- As above. Granitic injections 45%. Quartz carbonate 25%. Gabbroic or andesitic material 20%. Negligible chalcopyrite. Note pseudo diorite or andesitic dyke from 665 to 667'. Some rhyolite agglomerate.
	692' - Rhyolite agglomerate 40%. Quartz carbonate 40%. Granitic injections 17%. Chalcopyrite 3%. Fine sugary type.
	703' - Rhyolite agglomerate as above. Granitic injections 40%. Quartz carbonate 30%. Gabbroic material 5%.
	728'
728'	Shatter - Med-high alteration. Hydroscopic margarite high. Chlorite high. Quartz carbonate 20%, low chalcopyrite. Fault zone type. General host as above.
	760'
760'	Rhyolite agglomerate - shattered as above, but low margarite alteration. Quartz carbonate 20%. Granitic dyke 30%.
	778' - Gabbroic dyke - could be andesite.
	782' - Rhyolite agglomerate as above.
	829.5- Diorite dyke - pseudo amygdaloidal, could be narrow andesite. Note hematite stains.
	831.5 - Rhyolite agglomerate, fine grained, some narrow sections of pseudo andesite 15%. Best development from 916 to 917'.
	926' - Red granite dyke.

DIAMOND DRILL LOG

PROPERTY:

HOLE NUMBER: V-4

LOCATION:

DIP TESTS

Latitude:	Dip:	Footage	Reading	Corrected
Departure:	Depth:			
Elevation:	Commenced:			
Azimuth:	Finished:	Logged by:		

SAMPLE NUMBER	DESCRIPTION
	929.5 -Rhyolite agglomerate typical grey buff colour. Quartz carbonate veining 5%, almost massive. Sharp angular small fragments cut by diorite dykes in at 10° to core normal 15%. Note some tuffaceous fragments. Granitic injection 20%.
	973'- Nippissing diabase in at 30 degrees to core normal
	975.5 -Grey buff colour, massive, fairly even textured. Quartz rich 25%. Quartz carbonate veining 5%. Believe rock to be rhyolite agglomerate. Fine sulphide. 3% pyrite, 1% chalcopyrite. Some definite fragments. Granite dykelets 15%. Gabbro.
	1005.2- Narrow margarite, rich zone, possible fault.
	1005.8- Alteration zone, med.-high margarite, med. silica, pyrite 5%. Quartz veinlets 10%. Gabbroic dykes 30%. Granite dykelets 10%. Note green copper like silicate in dyke from 1009 to 1011. See specimen.
	1015 - Agglomerate as above, low alteration. Rock could be a fine grained quartz, rich arkose. Fine fragments. Quartz carbonate network 3%.
	1040
1040'	Shatter zone - low-med. shatter, gabbro rich. Quartz carbonate veining 15%. Inclusions of rhyolite agglomerate or arkose 25%. Med.-high sericite, margarite alteration, granitic dykelets 10%
	1065'- Rhyolite agglomerate rich. Quartz carbonate veinlets 20%. Med.-High alteration, margarite rich, granitic injections 10%.
	1105.5
1105.5'	Rhyolite fragmental, low shatter, chloritised rather than margarite alteration. Coarse fragments. Note one coarse straight rhyolite fragments from 1105.5 to 1106.5. Granitic dykelets 15%. Diorite 15%. Quartz carbonate veinlets 5%. Note some straight rhyolite fragments.
	1182'
1182'	Ore zone or near ore - shatter quartz carbonate vein system 35%. Chalcopyrite 3%. Granite dykelets 20%. Host is fragmental Pyrite 3%.
	1194' - As above, but 15% quartz carbonate. Pyrite 3%, low chalcopyrite. This is very near an ore zone, but heavy margarite alteration is lacking.
	1250' -Low shatter. 10% quartz carb. Gabbro 25% and peculiar green copper silicate is common.

DIAMOND DRILL LOG

PROPERTY:

HOLE NUMBER: V-4

LOCATION:

DIP TESTS

Latitude:	Dip:	Footage	Reading	Corrected
Departure:	Depth:			
Elevation:	Commenced:			
Azimuth:	Finished:	Logged by:		

SAMPLE NUMBER	DESCRIPTION		
	Rhyolite agglomerate. Traces of chalcopyrite. Last portion increases to 15% quartz carbonate in last 20 feet. Should deepen another hole on pattern. 1346 - End of hole.		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: Deepening of V-4

LOCATION: Batchawana Bay, Ontario

Latitude: 200 N

Dip: 90 degrees

Pajari

Departure: 100 E

Depth: 498.0 - 1345.6

Elevation: 1000.73

Commenced: June 23, 1963

Azimuth: N/A

Finished: July 4, 1963

DIP TESTS

Footage	Az. Reading	Corrected
400'	S 20 W	89°
800	N 87 W	89°
1200	S 27 W	89°

Logged by: D. Dickson

SAMPLE NUMBER	DESCRIPTION
	The drill which had been sitting on V-19 was moved to this location on June 29, 1963 and drilling commenced using the P-3 diesel. When the new drill arrived with the P-4 diesel, the the drills were changed so that the P-3 was put back on V-19. A few hours after the new drill was started, a rocker arm broke. The foreman was contacted (June 29,) and a new part was ordered. After the weekend, the foreman returned and put a rocker arm from the P-3 (which was waiting for fishing gear to get out the broken rod from V-19) and so the hole continued. The Pajari tests were taken on July 3rd but then it was decided by Dr. Malouf to continue the hole for another day.
	The hole commences in the Shatter Zone (Breccia Zone) a which continues down to 975.3 with another section from 1103.5 to the end
	498.0 - Red Granite or rhyolite agglomerate 60%; Quartz and Quartz Carbonate 25%; Pale green intrusives 15% 506.5 A few small crystals fo pyrite 547.0
	@ 547.0 Red Granite 15%; Quartz and Quartz Carbonate 35%; Pale Green Intrusives 50% with some grey, brown and bleached granite fragments. 665.0 - 667.7 Fine grained dyke or boulder chiefly black mottled with light brown and pale green 675.0
	675.0 - Red Granite 30%; Quartz and Quartz Carbonate 15%; Intrusives (grey, green,brown etc.) 55% 728.5 - 740.0 Grey, kaolinized granite for mica 40% 760.7 Medium Splash of Chalco 773.0
	773.0 Red Granite 80%; Quartz and quartz carbonate 15%; Intrusives 5% 779.2 - 779.7 Reddish brown fine grained dyke, possibly andesitic mottled with black and with some pyrite 797.0 - 797.5 Light brown dyke (typical inclusion) with black bloulder 1½" in diameter, well rounded 830.3 - 831.3 Dark green, fine grained dyke with white phenocysts less than 1/8" in diameter 831.2 Small spaash of pyrite 831.3 Small splash of chalco 850.0

SAMPLE NUMBER	DESCRIPTION
	850.0 - Granite 50%; Quartz and Quartz Carbonate 10%; Intrusives 40% 856.2 - 856.7 and 861.2 - 861.6 Light brown, medium grained andesitic dyke 867.0 - 867.5 Dyke as above but fine grained 900.0
	900.0 - Granitic material probably rhyolite 60%; Quartz and quartz carbonate 5%; Intrusives 35% 904.4 - 905.0 Brownish grey, fine grained dyke with black phenocysts 915.6 - 916.7 Black fine grained dyke with whitish phenocysts (could be amphibolite) 936.9 Large splash of pyrite 943.4 -944.1 Dark grey, medium grained, amphibolite dyke 948.8 - 949.8 Pale green intrusive with many fault lines 949.8 - 950.7 Pale grey, mottled dyke without fault lines (probably amphibolite) 953.0 - 953.8 and 957.4 - 958.3 Similar to 948.8 - 949.8 but without fault lines 972.6 - 975.3 Amphibolite 975.3
	975.3 - Rhyolite Agglomerate 95%; Intrusives of quartz and gabbro 5% 1041.5
	1041.5) Rhyolite agglomerate with no quartz but with chloritized sections 1041.5 - 1042.1; 1043.2 - 1044.1 and 1046.5 - 1048.6 Probably medium grained andesitic dykes 1065.0 - 1074.9; 1077.9 - 1079.0; 1085.0 - 1087.4; and 1093.4 - 1093.9 Strongly chloritized sections 1103.5
	1103.5 Shatter Zone recommences Rhyolite Agglomerate 45%; Quartz and quartz Carbonate 5%; Intrusives 50% Samples 1182.6 - 1194.5 Estimated 0.40 Copper 1345.6
	1345.6 - End of Hole

Sample Sheet for the Deepening of V-4

2157	530.0 - 532.4	2.4	0.58
2181	598.0 - 605.4	7.4	0.34
2331	605.4 - 615.0	9.6	0.10
2332	615.0 - 625.0	10.0	0.16
2333	625.0 - 629.3	4.3	0.07
2182	629.5 - 634.5	5.2	0.38
2183	634.5 - 638.8	4.3	0.14
2184	638.8 - 647.0	8.2	0.35
2185	647.0 - 651.6	4.6	1.01
2334	692.0 - 696.6	4.6	0.04
2335	696.6 - 702.9	6.3	0.19
2214	983.2 - 988.3	5.1	0.78
2218	1182.6 - 1187.4	4.8	0.38
2219	1187.4 - 1194.5	7.1	0.54
2342	1200.0 - 1205.0	5.0	0.13
2343	1205.0 - 1210.0	5.0	0.17
2344	1210.0 - 1215.0	5.0	0.09
2345	1215.0 - 1220.0	5.0	0.18
2346	1220.0 - 1225.0	5.0	0.06

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited,

HOLE NUMBER: V-5

LOCATION: Batchawana Bay, Ontario.

DIP TESTS

Footage	Reading	Corrected
500'	88-45	88-45

Latitude: 100 N

Dip: 90 degrees

Departure: 00

Depth: ~~XXXXXX~~ 556'

Elevation: 982.73

Commenced: Oct. 20, 1962

Azimuth:

Finished: Oct. 24, 1962.

Logged by: M. Blecha.

SAMPLE NUMBER	DESCRIPTION
	0 .0 Casing. 12.0
	12.0 Brecciated zone. High brecciation. First foot pink, relatively fresh granite. From 13.0 the rock consists of 40% fine grained, dark green volcanic fragments (¼"-2") and masses(up to 1.5'). Highly altered granitic green fragments (25%), fine grained acidic fragments (10%), in a quartz matrix (30%-35%). 31.0 Granite, red, fresh, massive. Quartz 10%. 33.7 Aplite, red, relatively fresh, massive, with dark ~~xxxxxxx~~ chloritic fine grained inclusions. (1-15"). 34.6 Highly brecciated zone, granitic fragments (¼"-2") 30%, fine grained basic inclusions (½"-2") 40%, in a quartz matrix 30%. Highly sheared and altered from 38.0 to 39.0. Blobs cpy at 41.0. 43.0
	43.0 Volcanics. Very fine grained, hard, relatively massive. Note high epidote alteration at 48.0-49,0. Minor brecciation. Quartz stringers with cpy near end. 51.5 red acidic dykelet, aphanitic banded at 10° c.n. brecciated near end, with 20% quartz. 53.2
	53.2 Low brecciated zone. Dark grey, fine grained gabbroic masses and fr fragmen ts 80%, quartz 20%. Medium brecciated zone. Quartz 20%, volcanics 50%, granite 30% 67.0
	67.0 Granite. Pink, fresh, massive. 72.0
	72.0 Mineralized zone. 7-8% cpy in a quartz rich (60%) brecciated zone with 30% granitic fragments. 73.8
	73.8 Medium brecciated zone. Dark grey, highly chloritized basic fragmen 90%, quartz 10%, altered granite less than 5%. 76.5
	76.5 Granite as at 67.0. Quartz 5-7%. 81.4
	81.4 Volcanics. Dark grey, fine grained, medium chloritized, foliated at 50-55 °c.n. 83.0
	83.0 Medium brecciated zone. 70% fresh granite, 20% quartz, 10% fine grained volcanic fragments. 95.0 Medium brecciated zone. Medium chloritized gabbro 75%, QC 25%. 100.0 Low brecciated zone. Predominantly relatively fresh granite (85%). Quartz 10%. Note 0.5' highly altered disintegrated

DESCRIPTION

granite at 102.5. Basic (volcanic?) fragments 10%.
107.5 Highly brecciated zone. Relatively fresh granite 60%, altered volcanics 10%, altered gabbroic fragments 5%, QC 20%.
130.0

130.0 Granite. Pink, fresh, massive. Note 2" vugs with quartz and coarse py cubes, at 733.5 becoming slightly altered near end.
139.5

139.5 Highly brecciated zone. Medium to high alteration. Granitic fragments and masses 60%, chloritized gabbro 20%, chloritized volcanics 10%, quartz 5-10% (size of fragments ¼"-5"). Less than 5% pseudoporphyritic inclusions. Note occasional well developed alteration rims. Minor cpy and py. Note fresh, pink, granitic inclusions "injections" at 191.0 - 193.0, 201.0 - 204.0
206.0 Quartz carbonate gradually increases to 20-25%.
303.0 Highly brecciated zone. Quartz 40-45%. Highly altered granitic fragments 30%, highly chloritized basic fragments 10%, pale grey fine grained volcanic fragments 10%.
318.0

318.0 Mineralized zone. 10% cpy(coarsely crystalline blobs) associated with quartz in a highly brecciated zone. Quartz 40-45%, highly altered (earthy and chloritized) granite 40%.
326.0 Granite, pink, fresh, massive.
331.0

331.0 Mineralized zone. 2-3% cpy in a highly brecciated zone, quartz 40%, relatively fresh granitic fragments 40%, highly altered granite 20%.
343.7 2-3% cpy in a few massive blobs in a brecciated zone, quartz 30%, fresh granite 5%, highly altered granite 50%, fine grained basic fragments 5%, py 1-2%.
351.0

351.0 Granite, pink, relatively fresh, massive.
356.0

356.0 Highly brecciated zone. Highly altered (earthy and chloritized) granite 30%, relatively fresh granite 40%, quartz 30%, carbonate 5%, negligible cpy and py.
377.1 Highly altered (earthy and chloritized) granite, relatively massive.
380.0 Quartz, coarsely crystalline, minor inclusions of highly altered granite.
381.0 Medium brecciated zone. Highly altered granite 70%, quartz 25%, fine grained basic (volcanics?) fragments 5%
390.2 Mineralized zone. 3-4% cpy associated with quartz in a highly brecciated zone with 30% highly altered granitic fragments, quartz 70%. Note euhedral cpy crystals.
393.3.

393.3 Granite, relatively fresh, massive. Contains a two foot highly brecciated zone with 10% quartz, 40% aplitic fragments from 394.3 to 396.3.
399.5 Highly brecciated zone as at 394.3.
401.0

401.0 Trap dyke, dark grey, fine grained, massive. Brecciated and invaded by quartz near lower contact.
404.5

404.5 Medium brecciated zone. 70% relatively fresh, pink granitic fragments, 25% coarsely crystalline quartz, 5% basic chloritized fragments.
424.0 Granitic fragments become highly chloritized.

DESCRIPTION

426.5 Mineralized zo ne. 5-6% cpy blebs associated with quartz in a highly brecciated zone. Altered granite , quartz 60%.
428.3 Highly brecciated zone. Highly altered granitic fragments 20%, highly chloritized diabase 50%, quartz 30%.
433.0

433.0 Brecciated granite. Relatively low brecciation. 85% relative fresh, pink, massive granitic sections interrupted by 10-15% quartz-rich brecciated zone with granitic fragments.
458.0

458.0 Mineralized zone. 2-3% cpy in a highly brecciated zone, high altered, medium grained basic fragments 70%, quartz 20%, granite 10%.
461.0

461.0 Brecciated granite as at 433.0.
469.6

469.6 Highly brecciated zone. 70% small (¼"-2") red fine grained aplitic fragments, 10% basic fragments in a quartz matrix (20%).
479.6

479.6 Granite. Pink, massive, fresh.
486.0

486.0 Trap dyke, fine grained, medium chloritized, massive.
489.0

489.0 Low brecciated zone, predominantly relatively fresh granitic fragments and masses (80%), minor aplitic fragments in a quartz matrix 20%.
499.0

499.0 Brecciated granite as at 433.0.
507.3

507.3 Low brecciated zone. 60% relatively fresh granite, 10% aplit fragments, 5% chloritized basic fragments, quartz 10%.
518.4 A highly chloritized and earthy brecciated zone. 30% quartz, 70% altered fragments.
519.0 Low brecciated zone as at 507.3.
522.0 Granite, pink, fresh, massive.
525.0 Trap dyke, highly chloritized, massive.
527.5 Medium brecciated zone, granitic fragments and masses 70%, red acidic fragments 10%, basic fragments 10%, QC 15%.
533.0 Mineralized zone. 30% py, 5% cpy in quartz.
534.0 Trap dyke as at 525.0.
536.8 Medium brecciated zone. Relatively fresh, pink granit masses and fragments 70%, quartz 30%, basic fragments less than 5%. Minor py and cpy.
555.6 Highly brecciated zone, fresh granitic fragments (¼"-3") 50%, chloritized basic fragments 5%, aplitic red fine grained acidic fragments 5%, quartz 40%, trace cpy.
573.0

573.0 Granite. Pink, fresh, massive.
585.0

585.0 Brecciated zone. Granitic fragments and masses 70%, basic fragments 5%, quartz 20%, coarse calcite 5%. Medium brecciation.
598.0

598.0 Mineralized zone. 10-15% cpy, 5% py in a quartz-rich (50%) brecciated zone, altered granite 50%.

599.0 Low brecciated zone. ~~Low~~ Fresh granitic fragments and masses 85%, basic fragments 5-10%, fine grained acidic fragments 5%, quartz 5%.

DESCRIPTION

611.7

611.7 Mineralized zone, 4-5% cpy in a low brecciated zone. Basic volcanic fragments 40%, granitic fragments 20%, quartz 30%.
614.5

614.5 Granite. Relatively massive, fresh, pink.
621.5

621.5 Highly altered diabase dyke.
623.5

623.5 Brecciated granite, medium brecciation. Relatively fresh granite 60%, fine grained basic fragments 5%, quartz 35%.
633.0

633.0 Brecciated zone. 1% cpy. Diabasic fragments 80%, quartz 20%.
635.0

635.0 Low brecciated zone. Fresh, pink, granite 70%, quartz 20%, carbonate 5%, fine grained volcanic fragments less than 5%.
669.0 Volcanic fragments increase to15%, QC 30%, relatively fresh granite 55%. Minor cpy.
693.0

693.0 Granite, pink, fresh, massive.
701.0

701.0 Highly brecciated zone. Heterogeneous rock, QC 40%, fresh granitic fragments and masses 20%, medium to high altered granitee 30%, red acidic fragments 5%, basic rock fragments 5%, basic volcanic fragments 5%, highlychloritized diabase 10%. Alteration increases towards end. Note QC rich section from 735.0 to 744.0 (90% QU). Note fragments of banded porphyritic rock at 716.0 to 801.0.
801.6

801.6 Highly brecciated zone. Relatively fresh granite less than 5% highly altered granite 40%, chloritized diabase less than 5% chloritized volcanics 10%, Qc 40%. 2-3% py.
811.2 Highly chloritized basic dyke. Note 2-3% pseudo-amygdules, quartz 10%.
814.2 Brecciated zone. Highly altered (green) granite 50%, highly chloritized basic fragments 30%, QC 25%.
828.9 End of hole.

DESCRIPTION

C O R E

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
6855	40.6-41.6	1.0	1.17		
6854	72.0-73.5	1.5	1.27		
1297	318.0-324.0	6.0	3.36		
8	324.0-331.0	7.0	1.36		
9	331.0-336.0	5.0	0.28		
1300	336.0-341.0	5.0	0.35		
1312	341.0-346.0	5.0	0.40		
3	346.0-351.0	5.0	0.66		
4	351.0-356.0	5.0	0.11		
5	356.0-361.0	5.0	0.16		
6	361.0-366.0	5.0	0.15		
7	366.0-376.0	10.0	0.16		
8	376.0-382.0	6.0	0.16		
9	382.0-388.0	6.0	0.35		
1320	388.0-394.0	6.0	0.76		
6856	426.5-427.8	1.3	1.16		
6857	458.5-460.9	2.4	0.28		
2400	565.0-572.0	7.0	0.27		
2401	585.0-587.4	2.4	0.21		
2402	590.0-595.0	5.0	0.22		
3	595.0-600.0	5.0	0.74		
2404	611.6-614.4	2.8	1.37		
		18.6	0.50 Est.		
2405	633.0-635.0	2.0	0.91		
2406	669.1-674.1	5.0	0.54		
7	674.1-680.0	5.9	0.18		
2408	706.6-713.2	6.6	0.36		
Averages:					
	318.0-331.0	13.0	2.28		
	611.6-635.0	23.4	0.64		

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1290	310.0-320.0	10.0	0.40		
1	320.0-330.0	10.0	1.45		
2	330.0-340.0	10.0	0.42		
3	340.0-350.0	10.0	0.64		
4	350.0-360.0	10.0	0.36		
5	360.0-370.0	10.0	0.58		
6	370.0-380.0	10.0	0.42		

DIAMOND DRILL LOG

Deepening

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER: V-5

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude: 100 N	Dip: 90 Degrees	Footage	Az. Reading	Correct
		Pajari 800'	N 90 E	86

Departure: 00 Depth: 828.0

Elevation: 982.73 Commenced: July 4, 1963

Azimuth: N/A Finished: July 6, 1963 Logged by: J. Walker

SAMPLE NUMBER	DESCRIPTION
	556.0 / Shatter Zone - Mainly granitic fragments in Quartz Carbonate with a few blobs of chalco and pyrite 573.0 - 593.0 Mostly red granite 593.0
	593.0 Fragmented mixture of agglomerate and fine grained basic rock with 50% red granite bands 634.0 Patch of chalco 635.0
	635.0 Mainly granitic with some rhyolite fragments: quartz carbonate 10% 648.2 ½" fault at 20 degrees to core Occasional blob of chalco and disseminated pyrite 701.0
	701.0 Shatter Zone - Fragments of granite, rhyolite and fine grain basic rock Increased quartz carbonate filling 25% (carb 10%) Occasional band of granitic rock Pyrite in patches and disseminated 1% Chalco at 778.4 776.0 - 777.0 Amygdaloidal, dark rock with numerous and various shaped white spots 790.0
	790.0 As above but fragments mainly fine grained basic rock quartz carbonate 10% 793.0 Granitic band becoming altered - greenish epidote or sericite 828.0
	828.0 End of Hole

Samplex Sheet — Deepening of V-5

2400	565.0	- 572.0	7.0	0.27
2401	585.0	- 587.4	2.4	0.21
2402	590.0	- 595.0	5.0	0.22
2403	595.0	- 600.0	5.0	0.74
2404	611.6	- 614.4	2.8	1.37
2405	633.0	- 635.0	2.0	0.91
2406	669.1	- 674.1	5.0	0.54
2407	674.1	- 680.0	5.9	0.18
2408	706.6	- 713.2	6.6	0.36

DIAMOND DRILL LOG

PROPERTY: Tribag MiningCompany Limited. HOLE NUMBER: V-6

LOCATION: Batchawana Bay, Ontario. DIP TESTS

Latitude: 200 N Dip: 90° Footage Reading Corrected

Departure: 100 W Depth: 566'

Elevation: 999.13 Commenced: Oct. 24, 1962.

Azimuth: Finished: October 29, 1962. Logged by: M. Blecha.

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 22.0
	22.0 Highly brecciated zone. Relatively low alteration. Gabbroic fragment and masses 60% (¼"-1"). Relatively freshgranitic fragments and and masses (¼" - 1") 15%. Acidic fragments, 5%; quartz 20%. No carbonate. 2-3% cpy in a widely scattered massive blobs. 2-3% py with local concentrations. 67.0 as above but mineralization decreases to 1% cpy, py. 106.0
	106.0 Granite,,pink, fresh, massive, Vuggy quartz 10%. 116.0 Diabase, medium to high chloritization. Massive with 10% quartz-rich brecciated zones, some with trace cpy. 125.0 Brecciated zone. Predominantly fine grained basic fragments and masses, medium chloritization, 20% quartz. 131.7
	131.7 Brecciated granite, relatively fresh, 10% fine grained acidic in quartz matrix (10%). 138.0 Volcanics. Medium chloritization, medium epidotization, foliated at 15% c.n. 141.6
	141.6 Highly brecciated zone, 30% quartz, 20% medium altered granitic fragments (¼"-2"), 20% fine grained acidic with well developed alteration rims, 20% volcanics? Few widely scattered blobs of cpy and py and trace galena. 150.7 Highly brecciated zone; volcanics 10-15%, highly chloritized gabbroic 5%, highly chloritized green granite 25-30%, relatively fresh granite 5%, fine grained red acidic fragments and masses 15%, red pseudoporphyritic rhyolite 5% (at 197.5) quartz carbonate 15%. Size of fragments small (¼" - 1"). 278.0 Highly brecciated zone as above but 2-3% cpy in blobs scattered, 1-2% py. 315.0 Highly brecciated zone, alter ation medium. Relatively fresh granite fragments and masses 15%, medium to highly altered granitic fragments and masses 15%. Diabase material 10-15%, fine grained acidic and aplitic 25-30%, fine grained volcanic and dyke material 20%, quartz carbonate 15-20%, 1-2 cpy in widely scattered blobs throughout, with local concentrations. Py 1-2%. 405.7
	405.7 Mineralized zone. 5% cpy, 3% py in a highly brecciated zone, quartz carbonate 50%. 408.0
	408.0 Medium brecciated zone, fresh granite 40%, altered granite 25%, chloritized diabase 25%, quartz carbonate 5%. 414.0

DESCRIPTION

414.0 Granite, pink, fresh and massive. 5% quartz stringers with minor cpy.
426.5 Mineralized zone. Highly altered granite. 35% quartz, 5% cpy, 3-4% py.
427.5 Granite, pink, fresh and massive. Minor brecciation towards end.
435.0

435.0 Highly brecciated zone. Alteration medium-high. Relatively fresh granite 10%, highly altered granite 50% - 40%, acidic fragments 20%, gabbroic 5%, volcanic and dyke material 10%, quartz 15-20%. Size of fragments relatively small (¼"-1"). Minor py and cpy throughout.
530.0 High brecciated zone as above, but quartz increases to 35-40%. Note fine grained pale grey, medium carbonatized dyklet at 553.8 - 554.6.
554.6 Brecciated granite, medium alteration, quartz 10%.
559.6 Dykelet as at 553.0. Sharp, irregular contacts 5% finely disseminated py.
563.0

563.0 Granite, low alteration, massive, interrupted by 2-4" quartz carbonate brecciated zones, cut by a 6" dykelet (as at 553') at 569' and at 576.6 to 578.0'.
579.7

579.7 Mineralized zone 25-30% cpy, 5-10% py in a highly brecciated zne, highly altered granite 40%, quartz 10%.
585.0

585.0 Highly brecciated zone. High alteration; 10% relatively fresh granite 5-10%; highly altered granite 60%, chloritized diabase 5%, acidic 5%, quartz carbonate 15-20%, 1-2% cpy, 2% py in widely scattered blobs.
638.0

638.0 Mineralized zone. 6-7% cpy, 3% py in a highly brecciated zone as at 579.5.
647.0

647.0 Highly brecciated zone as at 585.0, 1-2% cpy, 1-2% py in widely scattered blebs. QC 25%.
707.0

707.0 Brecciated granite, Relatively fresh. 10% quartz, low brecciation, minor blobs cpy.
723.0

723.6 Highly brecciated zone, medium to low alteration, relatively fresh granitic fragments 10-15%, medium altered granite 20%, fine grained acidic 15%, volcanics and dyke 15%, diabase 5%, quartz carbonate 15-20%, 2-3% cpy in widely scattered blobs. Note fine grained red porphyritic dykelet at 736.8 to 738.5.
775.0 as above, alteration increases to medium. 2-3% cpy in widely scattered blebs.
823.0 trap dyke (?) high chloritization, foliated at 30° c.n.; irregular contacts.
825.5

825.5 Mineralized zone 2-3% cpy in a highly brecciated zone as before.
842.0 High brecciated zone. Relatively fresh granitic fragments 25-30%, highly altered granitic fragments 5%, acidic, fine grained 15%, gabbro 10%, quartz carbonate 25%. Minor py and cpy.
843.5 Gabbroic dyke, medium grained and medium chloritized.
849.8

849.8 Mineralized zone, 2-3% cpy, 2-3% py in widely scattered blobs, associated with quartz in a highly brecciated zone as above, but quartz carbonate 40%. Size of fragments small (¼" - 2").
871.7

871.7 Highly brecciated zone. 60% relatively fresh, granitic fragments, 20% diabasic fragments, 30% quartz.
879.4

	DESCRIPTION
	879.4
879.4	Mineralized zone as at 849.8, cpy 2-3%, py 1-2%, quartz 40%.
	919.7
919.7	High brecciated zone. Medium alteration. Granite (fresh) 20%, red acidic fragments 10-15%. Diabasic material 5%, fine grained volcanics 5-10%. Altered granite 10%, quartz 20-25%. Banded pseudoporphyritic fragments 5%. Size of fragments relatively small ($\frac{1}{2}$" - 1"). Minor cpy and py with local concentrations.
	985.0
985.0	Highly altered brecciated zone. Earthy granite 55%. Chloritized basic material 30%, quartz carbonate 15%.
	989.5
989.5	Mineralized zone. 15% cpy associated with quartz in a high brecciated zone, quartz 15%.
	990.0
990.0	High brecciated zone. Relatively fresh granite 50%, altered granite 5%, altered diabase 5%, red acidic material 15%, quartz carbonate 25%, fine grained basic 5%, minor py and cpy. Size of fragments ($\frac{1}{4}$" - 3").
	1024.5
1024.5	End of hole.

ASSAY RESULTS

Hole No. V-6

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1401	22.0-27.0	5.0	0.61		
2	27.0-32.0	5.0	1.10		
3	32.0-37.0	5.0	0.16		
4	37.0-42.0	5.0	0.22		
5	42.0-47.0	5.0	0.52		
6	47.0-52.0	5.0	0.28		
7	52.0-57.0	5.0	1.82		
8	57.0-62.0	5.0	1.38		
9	62.0-67.0	5.0	1.65		
1410	67.0-72.0	5.0	0.42		
6866	141.6-142.9	1.3	3.27		
7	142.9-147.1	4.2	0.09		
8	147.1-150.7	3.6	1.15		
9	150.7-152.0	1.3	0.11		
1411	267.0-272.0	5.0	0.24		
2	272.0-277.0	5.0	0.18		
3	277.0-282.0	5.0	0.40		
4	282.0-287.0	5.0	0.84		
5	287.0-292.0	5.0	1.78		
6	292.0-297.0	5.0	0.11		
7	297.0-302.0	5.0	0.41		
8	302.0-307.0	5.0	0.39		
9	307.0-312.0	5.0	0.20		
1420	312.0-317.0	5.0	0.24		
1421	340.0-345.0	5.0	0.47		
2	345.0-348.0	3.0	0.36		
1453	380.2-389.7	9.5	0.53		
6870	405.7-408.0	2.3	1.09		
6871	426.5-427.5	1.0	1.59		
2738	493.4-500.0	6.6	0.25		
1454	500.0-505.5	5.5	0.57		
2739	505.5-511.0	5.5	0.17		
2740	511.0-513.9	2.9	0.53		
1	513.9-519.6	5.7	0.20		
2	519.6-523.4	3.8	0.28		

ASSAY RESULTS

Hole No. V-6

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
2066	567.2-575.0	7.8	0.21		
1984	575.0-579.5	4.5	0.10		
1981	579.0-585.5	5.5	9.59		1.63
1985	585.0-592.5	7.5	0.16		
		8.0	0.30 Est.		
2067	600.5-604.8	4.3	0.69		
8	604.8-608.7	3.9	0.31		
9	608.7-613.7	5.0	0.93		
2070	613.7-618.7	5.0	0.44		
1	618.7-624.2	5.5	0.38		
2245	624.2-628.7	4.5	0.24		
2064	628.7-637.8	9.1	0.29		
1982	637.8-647.2	9.4	2.31		0.39
2495	647.2-655.0	7.8	0.31		
2246	655.0-662.7	7.7	0.12		
1983	662.7-672.8	10.1	0.80		
2248	685.0-693.2	8.2	0.54		
9	693.2-699.7	6.5	0.40		
6872	730.8-731.8	1.0	1.46		
6873	766.2-768.7	2.5	0.89		
4	768.7-773.7	5.0	0.34		
5	773.7-778.7	5.0	0.41		
6	778.7-781.4	2.7	0.29		
2250	781.5-789.5	8.0	0.45		
1	789.5-797.6	8.1	0.30		
2	797.6-805.0	7.4	0.91		
6877	815.4-820.4	5.0	0.41		
2253	825.4-832.0	6.6	0.65		
6878	849.8-850.9	1.1	0.85		
9	850.9-854.8	3.9	0.41		
6880	854.8-857.9	3.1	0.36		
1	857.9-858.9	1.0	0.85		
2	858.9-863.9	5.0	0.39		
3	863.9-869.4	5.5	0.41		
4	869.4-870.6	1.2	0.65		

ASSAY RESULTS

Hole No. V-6

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
6885	879.3-881.5	2.2	0.27		
6	881.5-884.4	2.9	0.33		
7	884.4-889.4	5.0	0.20		
8	889.4-892.0	2.6	0.22		
9	892.0-894.4	2.4	1.37		
6890	894.4-899.4	5.0	0.71		
1	899.4-904.4	5.0	0.14		
2	904.4-905.8	1.4	0.46		
3	905.8-909.4	3.6	0.15		
4	909.4-912.8	3.4	0.07		
5	912.8-914.8	2.0	1.01		
6	914.8-919.8	5.0	0.51		
6897	968.5-969.5	1.0	0.46		
6898	987.5-989.5	2.0	0.20		
9	989.5-990.5	1.0	2.84		
6900	990.5-993.0	2.5	0.54		
AVERAGES:					
	22.0-72.0	50.0	0.82		
	52.0-67.0	15.0	1.62		
	282.0-292.0	10.0	1.31		
	579.0-662.7	93.3	1.14		
	141.6-150.7	9.1	0.96		
	392.0-919.8	27.8	0.49		

ASSAY RESULTS

Hole No. V-6

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1423	20.0-30.0	10.0	0.43		
4	30.0-40.0	10.0	0.42		
5	40.0-50.0	10.0	0.49		
6	50.0-60.0	10.0	2.48		
7	60.0-70.0	10.0	0.60		
8	70.0-80.0	10.0	0.47		
1429	260.0-270.0	10.0	0.14		
1430	270.0-280.0	10.0	5.06		
1	280.0-290.0	10.0	0.62		
2	290.0-300.0	10.0	1.95		
3	300.0-310.0	10.0	0.61		
4	310.0-320.0	10.0	0.45		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

Deepening of V-6
HOLE NUMBER:

LOCATION: Batchawana Bay, Ontario

Latitude: 200 N

Departure: 100 W

Elevation: 999.13

Azimuth: N/A

Dip: 90 degrees

Depth: 566 - 1024.5

Commenced: May 31, 1963

Finished: June 3, 1963

Logged by: D. V. Dickson

DIP TESTS

	Footage	Az Reading	Corrected
Pjari	1000	N 14 E	88

SAMPLE NUMBER	DESCRIPTION
	565.0 - 579.5 Bleached Granite 85% ; Gabbro 15%
	579.5 - 707.0 Brecciated Zone Granite 40%; Gabbro 20%; Quartz 40%
	600.8 - 601.0, 606.6, 607.3, 616.0 - 616.2 Several splashes of chalco but 600.8 - 616.2 may average only 0.2 Cu.
	648.8 Medium sized splash of chalco
	685.0 - 692.7 Several splashes of chalco, probably average 0.3
	707.0 -(707.0)- 722.0 Granite bleached to pale pink
	722.0 - 1024.5 Brecciated Zone Continues Granite 60%; Intrusives 25%; Quartz 15%
	731.0 - 731.5 Several splashes of chalco
	738.5 Medium splash of chalco
	753.7 Medium splash of chalco; large splash of pyrite
	768.2 - 768.7 Several splashes of chalco
	773.8 Two medium splashes of chalco
	785.9 and 789.0 Medium splashes of chalco
	799.9 - 803.4 Several small splashes of chalco, average 0.3%
	825.7 - 827.0 (1.3') Estimated average 1 1/2% Cu.
	837.1 and 870.3 Medium splashes of chalco
	915.0, 915.6 and 941.5 Medium splashes of pyrite
	1024.5 End of Hole

		Sampling			Cu	Og.
1981	579.5 - 585.0	5.5'	Est,	7.0%	9.59	1.63
1982	637.8 - 647.2	9.4'	Est.	1.0%	2.31	.39
1983	662.7 - 672.8	10.1	Est.	0.75%	.80	

Sample Sheet for the Deepening of V-6

2066	567.2 - 575.0	7.8n	0.21
1984	575.0 - 579.5	4.5	0.10
1981	579.5 - 585.0	5.5	9.59
1985	585.0 - 592.5	7.5	0.16
2067	600.5 - 604.8	4.3	0.69
2068	604.8 - 608.7	3.9	0.31
2069	608.7 - 613.7	5.0	0.93
2070	613.7 - 618.7	5.0	0.44
2071	618.7 - 624.2	5.5	0.38
2245	624.2 - 628.7	4.5	0.24
1982	637.8 - 647.2	9.4	2.31
2246	647.2 - [illegible]	[illegible]	0.12
	653.6	6.4	
2065	653.6 - 662.7	9.1	0.29
1983	662.7 - 672.8	10.1	0.80
2248	685.0 - 693.2	8.2	0.54
2249	693.2 - 699.7	6.5	0.54
2250	781.5 - 789.5	8.0	0.45
2251	789.5 - 797.6	8.1	0.30
2252	797.6 - 805.0	7.4	0.91
2253	825.4 - 832.0	6.6	0.65

Corrected Sample Sheet for the Deepening of V-6

2066	567.2 - 575.0	7.8	0.21
1984	575.0 - 579.5	4.5	0.10
1981	579.5 - 585.0	5.5	9.59
1985	585.0 - 592.5	7.5	0.16
2067	600.5 - 604.8	4.3	0.69
2068	604.8 - 608.7	3.9	0.31
2069	608.7 - 613.7	5.0	0.93
2070	613.7 - 618.7	5.0	0.44
2071	618.7 - 624.2	5.5	0.38
2245	624.2 - 628.7	4.5	0.24
2065	628.7 - 637.8	9.1	0.29
1982	637.8 - 647.2	9.4	2.31
2495	647.2 - 655.0	7.8	
2046	655.0 - 662.7	7.7	0.12
1983	662.7 - 672.8	10.1	0.80
2248	685.0 - 693.2	8.2	0.54
2249	693.2 - 699.7	6.5	0.54
2250	781.5 - 789.5	8.0	0.45
2251	789.5 - 797.6	8.1	0.30
2252	797.6 - 805.0	7.4	0.91
2253	825.4 - 832.0	6.6	0.65

cc: Dr. Malouf

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited,

HOLE NUMBER: V-7

LOCATION: Batchawana Bay, Ontario.

DIP TESTS

Latitude:	100.N	Dip:	90°	Footage	Reading	Corrected
Departure:	100 E	Depth:	639.0'	565	89°-30'	89°-30'
Elevation:	989.48	Commenced:	Oct. 30, 1962.			
Azimuth:		Finished:	November 2, 1962.	Logged by:	M. Blecha.	

SAMPLE NUMBER	DESCRIPTION
	0/0 Casing.
	17.0 Volcanics (?) very fine grained, dark greenish grey, massive, slightly chloritized. Interrupted by a 1.0' quartz rich highly brecciated zone from 21.8, with 5% py and 1-2% cpy.
	23.0 Volcanics as above, but distinctly banded at 45° c.n..
	24.1
	24.1 Highly brecciated zone, medium alteration. Granitic fragments 50%, fine grained basic 10%, QC matri x 30%, 3-4% py, minor cpy.
	26.0
	26.0 Granite. Low patchy chloritization. Relatively massive, interrupted by few quartz-rich brecciated zones, some with minor cpy and py. Total quartz 5%.
	35.2 Aplite dyke. Fine grained, reddish brown; highly brecciated contacts.
	37.0 Granite as at 26.0. Contains a 0.5' highly brecciated zone with aplite fragments at 38.5.
	39.6
	39.6 Highly brecciated zone, medium alteration. Granitic fragments and masses 50%, aplite fragments (or dykelets?) 10%, highly chloritized diabase 5%, QC 30%. Note quartz rich zone with 3-5% in vugs py from 39.6 to 41.0.
	50.0 Gabbro. Fine to medium grained, dark greenish grey, fresh and massive.
	52.5 Medium brecciated zone; low ~~xxxxxxxxxx~~ alteration. Predominantly fresh granite cut by 0.5' aplite in center. QC 15%.
	54.7 Volcanics (?) very fine grained, dark grey, hard, fresh and massive. Less than 1% finely disseminated cpy, 1% py.
	56.2
	56.2 Mineralized zone. 2-3% cpy. 1-2% py in widely scattered blobs, associated with quartz, in a highly brecciated zone. Medium alteration. Zone consists of 35% medium chloritized granitic fragments, fine grained red acidic fragments 10-15%, chloritized basic fragments 5%, QC 30-35%.
	64.5
	64.5 Aplite Dyke. Medium chloritized, fine grained, massive.
	65.5 Mineralized zone as at 56.2. Core broken up.
	67.0 Aplite dyke as at 64.5.
	68.5
	68.5 Medium brecciated zone. Low to medium alteration. Predominantly relatively fresh granitic masses and fragments (70%) interrupted by quartz stringers, and quartz rich breccia zones. Highly chloritized diabase 10%, altered aplite fragments less than 5%, QC 15%.

DESCRIPTION

1% cpy in widely scattered blobs, associated with quartz.
81.0

81.0 Gabbro, fine grained, slightly chloritized, relatively massive. Becoming medium chloritized, sericitized and brecciated from 63.0 on. Lower contact highly brecciated, and mineralized with 1% cpy.
85.7

85.7 Highly brecciated zone, medium to high chloritization. Size of fragments small (¼"-2"). Granitic fragments 60%, fine grained acidic 15%, QC 15%, minor banded pseudoporphyritic, acidic fragments, 1% py and cpy.
90.0

90.0 Brecciated granite. Low alteration, low brecciation. Quartz 25%, altered acidic fragments (4") 5%. Zone includes 1.0' highly chloritized section at 92.5. 1-2% cpy in widely scattered blobs, associated with quartz.
96.5

96.5 Mineralized zone. 2-3% cpy, 1% py in a highly brecciated zone Quartz 75%, granitic fragments 10%, altered acidic fragments 5%.
99.5 Brecciated granite, low alteration, low brecciation, quartz 25%.
100.6

100.6 Granite. Massive, pink, low patchy alteration. Interrupted by minor, widely spaced, brecciated zones with medium altered granitic fragments.
132.0

132.0 Granite, relatively massive, but highly altered (earthy and chloritized). Note 2" QC veinlet with py, galena and minor cpy at 133.0.

135.0 Granite, low alteration.
138.2

138.2 Medium brecciated zone. Overall alteration medium. Predominantly relatively fresh and massive granitic sections (up to 1.5' long) 60% interrupted by quartz-rich breccia zones with embedded altered acidic fragments (5%), fine grained chloritized basic fragments (10%), and chloritized granitic fragments (10%). Total quartz 15-20%. Widely scattered blobs of cpy (1-2%) associated with quartz, 1% py.
157.5 Dyke. Fine grained, grey, with 5% (1-2mm) red and white phenocrysts. Low chloritization, massive.
159.5

159.5 Mineralized zone. 1-2% cpy, 1-2% py in widely scattered blobs in a highly brecciated zone. First 12" consists of a brecciated dyke (as above), overall alteration medium. Granitic fragments 40%, altered fine grained acidic 20%, basic dyke material 15%, QC 15%.
167.0

167.0 Granite, massive, low patchy chloritization, quartz stringers 5%, with minor associated cpy.
179.0 Trap dyke (?). Dark greenish grey, fine grained, slightly chloritized, cut by 5% minor quartz stringers with associated minor cpy and py. Brecciated contacts.
181.3 Granite, relatively fresh, massive except for a medium altered, medium brecciated zone from 183.0-185.0. The brecciated zone contains fine grained acidic fragments and 15% quartz.

DESCRIPTION

188.0 Highly brecciated zone, medium altered, QC 65%.
190.0 Gabbro, fine-medium grained, massive, medium chloritized. 10% quartz stringers, 3% py.
191.4

191.4 Medium brecciated zone, medium alteration. QC 20%, fine grained acidic 30%, granite 40%, minor py.
195.0

195.0 Volcanics (?) Dark green, fine grained, hard, faintly foliated at 20° c.n.
197.0

197.0 Medium brecciated zone. Predominantly volcanic (65%). Altered granitic fragments 10%, fine grained acidic 10%, Qc 15%, 2% cpy, 3% py associated with quartz.
199.0

199.0 Volcanic at 195.0.
200.0

200.0 Brecciated granite, low alteration. Zone contains a 5" aplite fragment (dykelet?) in center. 15% quartz.
201.2

201.2 Diabase, fine to medium grained, massive, low chloritization.
203.0

203.0 Aplite, with a 2" granitic inclusion in center.
204.0

204.0 Highly brecciated zone. Low to medium alteration. Granitic fragments 40%, fine grained red acidic fragments 15%, chloritized diabase 15%, QC 40%. Zone includes a quartz-rich (60%) highly altered brecciated zone from 208.5 to 212.0.
219.3 (interrupted by medium altered)

219.3 Granite. Relatively fresh and massive, medium brecciated quartz-rich zones at 223.0 to 224.0, 231.0 to 231.5, 233.3 to 234.8, and cut by a 4" diabase dykelet at 222.2. Trace cpy.
241.4 Alteration increases to mediu m, QC 15-20%.
246.3

246.3 Medium brecciated zone. Medium to high alteration. Predominantly basic volcanic, medium chloritized, 75%, chloritized granite 5%, fresh granite 10%, QC 10%. 1% cpy.
252.0

252.0 Granite, low patchy chloritization. Note highly chloritized medium brecciated zone with 15% quartz from 254.0 to 256.0. Note highly brecciated zone with 50% basic fragments from 26.0 to 262.5, 265.3 to 266.0.
264.3 Medium brecciated zone. Mediuma alteration. Medium chloritized fine grained basic volcanic (?) 40%, medium altered, earthy granite 40%, QC 20%. Trace py.
276.2 Granite as at 252.0
280.5 Granite, massive, but medium earthy alteration. High alteration from 280.5 to 282.0 cut by 15% quartz stringers, which locally give it brecciated appearance.
289.0 Grahite as at 252.0. 5-7% quartz stringers, with associated medium alteration. of the granite.
301.6 QC vein. 85% quartz, 5% carbonate, 10% highly altered, earthy granitic fragmentsl
304.0 Granite as at 252.0.
306.0 Medium brecciated zone. Medium alteration. Basic dyke material 20%, altered granite 60%, QC 15%. Minor cpy and py.
307.5 Granite, as at 252.0.
310.0

DESCRIPTION

310.0 Mineralized zone. 2% cpy, 5-8% py in a medium brecciated zone, high alteration. Chloritized and earthy granitic fragments 80%, Quartz 20%. Note 2" mass py at 311.0.
313.2 Dyke. Fine grained, massive, pale grey with 3-5% finely crystalline py. Low chloritization.
315.5 Mineralized zone as at 310.0, but mineralization decreases to less than 1% cpy.
318.6

318.6 Brecciated granite. Medium earth alteration, low brecciation. Qc 15-20%. Trace py and cpy.
328.7

328.7 Diabasic gabbro. Fine to medium grained, massive, low to medium chloritization. Quartz stringer 2-3%, trace py.
332.8

332.8 Granite. low to medium alteration. Cut by 15% quartz stringers which locally give the rock a brecciated appearance.
338.5 Diabasic gabbro, as at 328.7.
339.6 Medium brecciated zone. Predominant sericitized green, aplite, ~~XX~~% quartz 15%, chloritized granitic fragments 5%.
342.0 Brecciated granite. Low brecciation, low earthy alteration. 45% quartz, 5% highly chloritized basic fragments. 1-2% cpy.
357.8

357.8 Medium brecciated zone - core partly broken up. Fine grained basic 30%, Qc 40%, granite 20%. Trace cpy.
361.4

361.4 Granite, pink, fresh, massive.
373.0

373.0 Brecciated granite. Low ~~xxxxxxxxx~~ brecciation, medium earthy alteration. Quartz 15%. Trace cpy. Few altered acidic fragments. Minor highly altered granitic fragments.
387.7

387.7 Gabbro, massive, medium grained, fresh, dark grey. Sharp upper contact at 0° c.n., lower contact brecciated. Note minor soft greenish brown micaceous alteration throughout. Becomes chloritized near lower contact.
396.6

396.6 Mineralized zone. 2-3% cpy, 1-2% py associated with quartz stringers, in a medium chloritized diabase.
Quartz 5-7%, massive.
399.0 Mineralized zone. 2-3% cpy, 1-2% py in a quartz-rich brecciated zone. Core broken up. Quartz 40%.
400.6

400.6 Brecciated granite. Low patchy alteration, low brecciation. Note brecciation may be apparent only, and may be due to numerous occasionally intersecting quartz stringers, which separate the host into ~~xxxxxxx~~ distinct, isolated, angular fragments. Total quartz 30-35%. Minor highly chloritized diabasic fragments; hole 2" extremely altered, earthy granitic fragment at 419.0. Less than 1% cpy in widely scattered blobs, associated with quartz.
424.0 Granite, pink, relatively fresh and massive. Interrupted by a 0.5' brecciated, altered zone at 427.0.
432.5 Highly altered zone. High chloritization and earthy alteration of granite.
434.3 Brecciated granite as at 400.6, but quartz increases to 45%. 1% cpy associated with quartz. Patchy chloritization.

DESCRIPTION

445.8 Diabasic dyke (or fragments) highly chloritized.
446.5 Brecciated granite as before, but cut by a 1.0' hard relatively fresh, aphanitic trap at 448.0, by a 0.7' diabase at 448,8, by 0.7' highly sericitized and chloritized basic, fine grained, banded volcanics (?) rock at 453.0. Note a 1" aplite in contact with highly chloritized basic volcanics (?) from 450.0 to 451.5, with contadt running parallel to core. Note highly chloritized, highly shattered volcanics from 455.5 to 456.3. (fault?). Note 0.5' highly chloritized brecciated basic material at 461.6, or 4' banded pseudoporphyritic, acidic fragments at 463.0 followed by a highly chloritized and sericitized fine grained basic dyke from 463.4 to 464.0. Note 1" blobs cpy at 449.5.
463.6 Granite. Pink, fresh, and massive. Minor patchy
463.6 chloritization. Note a 0.5' highly brecciated zone with extreme sericitization of embedded fragments at 470.3 (fault?).
475.0 Highly brecciated zone. 65% quartz, 10% medium altered aplitic material, 25% relatively fresh granite. 1-2% cpy, 1-2%py associated with quartz.
477.7
477.7 Brecciated (?) granite as at 400.6. 10% quartz with assoociated trace cpy. Minor patchy chloritization. Overall alteration low.
494.5 Diabasic dyke, fine to medium grained, medium chloritized, massive.
495.5 Brecciated granite (?) , as at 477.7. Note 1" cpy blobs at 500.5. Quartz 10-15%.
504.8 Highly brecciated zone. Highly altered fine grained basic material 20%, highly altered granite 20%, fresh granite 15%, quartz 35%.
506.6 Brecciated granite. Quartz 5-10%. Note highly chloritized and sericitized, shattered volcanics (?) from 508.0-509.0 (faubt?).
509.0 Granite, pink, fresh, massive.
512.0 Highly brecciated zone. Granite (fresh) 40%, highly chloritized basic volcanic 30%, QC 25%, overall alteration medium to high.
514.0
514.0 Mineralized zone. 3-4% cpy, 1-2% epy in a highly brecciated zone. Alteration medium. Granite 60%, aplite 15%, basic less than 5%, QC 15%.
519.0
519.0 Low brecciated zone. Predominantly low altered, relatively massive granite, interrupted by 15% quartz-rich zones, with associated higher alteration. Less than 5% fine grained basic fragments. Note highly chloritized zone with 30% quartz, 20% chloritised granite, 10% altered, banded, pseudoporphyritic material and 20% chloritized diabase from 533.8 to 535.5.
548.0 Granite, pink, fresh, and massive.
552.0 Brecciated granite, low altered, 15% quartz.
554.5 As above, but high sericite and chlorite.
555.5 Granite, reddish brown, with only 20% quartz constituents. Possibly a quartz aplite porphyry.
558.2
558.2 Dyke. Dark, greenish grey, porphyritic. 15-20% white

	DESCRIPTION
	quartz and red feldspar anhedral phenocrysts, in a fine grained, highly chloritized matrix. Medium concentration cut by a 5% white quartz stringer. Upper contact sharp at 75° c.n., lower contact, brecciated and obliterated introduction of QC. Note striated slip planes at 560.0.
562.8	Granite, massive, low patchy chloritization.
567.6	Brecciated granite (?) as at 560.6 . Low alteration, quartz 10-15%. Note a 3" band of highly chloritized banded (20° c.n.) basic material at 569.0.
575.5	Mineralized zone. 5-7% cpy, 7-8% py in a highly brecciated zone. Quartz 60%, altered granite 25%.
577.0	Brecciated granite, as before. Quartz 15-20%. Minor fine grained, chloritized basic fragments. Note 5" highly sericitized fine grained basic (?) fragments at 560.0.
592.0	Diabase; fine to medium grained, highly chloritized. 10% quartz stringer, 2% py.
593.5	Highly brecciated zone. High alteration. Fine grained chloritized basic fragments 20%, chloritized granite 50%, altered acidic less than 5%, QC 15%, 1% cpy.
596.0	Trap dyke. From 596.5 on the rock is slightly fragmented, patchy, dark, greenish grey, with 50% fractured angular fragments (less than ¼"] in a long aphanitic matrix.
598.6	Granite, low patchy chloritization, massive, pink.
602.5	Medium brecciated zone. Low to medium alteration. Predominantly granitic fragments and masses (up to 3 feet) interrupted by quartz-rich brecciated zones. Cut by highly chloritized trap dykes at 602.0 to 604.3, 609.5 to 610.5, and highly chloritized diabase from 612.0 to612.8. Altered acidic fragments less than 5%. Total quartz 15%.
633.5	Dyke, dark green, fine grained, porphyritic highly chloritized, with 10% (1-5mm) sericitized altered phenocrysts, sharp upper contact at 50° c.n., lower contact brecciated. 5% quartz.
637.0	Granite. Low patchy chloritization, relatively massive.
639.0	End of Hole.

Sheet No. 1.

ASSAY RESULTS

Hole Nov-7

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1334	56.0-63.0	7.0	1.05		
5	63.0-68.0	5.0	0.53		
7709	92.6-94.6	2.0	0.44		
1336	159.0-167.0	7.5	0.86		
1337	306.0-313.0	7.0	1.26		
1504	313.0-323.0	10.0	0.62		
5	323.0-333.0	10.0	0.22		
6	333.0-342.0	9.0	0.09		
1338	342.0-347.0	5.0	1.06		
1507	347.0-354.0	7.0	0.29		
8	354.0-361.0	7.0	0.29		
7989	475.5-477.0	1.5	2.86		
2122	514.1-519.0	4.9	1.52		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited, HOLE NUMBER: V-8

LOCATION: Batchawana Bay, Ontario. (Breton Property)

Latitude: 300 N Dip: 90° DIP TESTS

		Footage	Reading	Corrected
Departure: 100 W	Depth: 565'	565	88-45	88-45
Elevation: 1002.70	Commenced: Oct. 31, 1962.			
Azimuth:	Finished: Nov. 5, 1962.	Logged by: M. Blecha.		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing. 16.0
	16.0 Mineralized zone. 3-4% cpy, 1-2% py associated with quartz in a highly brecciated zone. Diabasic fragments 60%. Quartz 30%, fine grained acidic 10%. 22.0
	22.0 Highly brecciated zone. Relatively low alteration. Size of fragments (¼"-3"). Granite 35%, fine grained basic material 45%, Qc 15%, fine grained acidic 10%. Less than 1% py and cpy. 67.4
	67.4 Mineralized zone. 8-10% cpy. 5% py in a highly brecciated zone. Medium chloritized diabasic fragments 70%, Qc 15%, fine grained acidic fragments 1-2%. 72.0
	72.0 Diabasic Dyke (?). Volcanic (?). Low chlorite. 10-15% quartz, 5% red acidic fragments. 82.0
	82.0 Highly brecciated zone, altered low to medium. Size of fragments relatively small (¼"-1'). Diabasic fragments 40%, granitic fragments 25%, red acidic fragments 10%, QC 15-20%, 1% epy in widely scattered blobs, 1-2% cpy. 152.5
	152.5 Mineralized zone, cpy 5-6%, py 1-2% both in a highly brecciated zone. ± 163.0
	163.0 Brecciated granite. Relatively low brecciation. Quartz 5-7%. 175.4 Mineralized zone. 5% cpy and 2% py in a QC rock zone. 176.4 Medium brecciated zone, low alteration. Granitic fragments and masses 30%, diabasic masses and fragments 40%, QC 15%, red acidic fragments 10%, minor py and cpy. Note red aplitic dykelet with 60% fine grained basic inclusions (¼"-2") embedded in it without intervening quartz.at 186.8 188.5. 200.0 Gabbro, dark green, faintly foliated at 35° c.n., fine medium grained with three 2" brecciated zones with red acidic fragments. 204.0 Highly brecciated altered zone. Highly altered granitic fragments 20%, diabasic fragments 20 10%, fine grained basic volcanic (?) 20%, fine grained acidic fragments 10%, QC 30%, Note mineralized zone at 211.7 to 213.0 with 3-5% cpy, 2% py in a quartz carbonate zone. 218.0

DESCRIPTION

218.0 Diabasic dyke, medium chloritized, fine medium grained. 5% QC. Minor py and cpy.
242.7

247.2 Highly breciatted zone, medium altered. Relatively fresh granite 20%, altered granite 40%, red acidic fragments 10%, fine grained chloritized dyke material 10%, QC 15%, 2% py. Note 1.5' granite inclusion (?) at 256.0.

258.0 Highly brecciated zone as before. QC increases to 35%. Note 1.5' massive diabase dyke medium chloritized at 264.5 to 266.5. Size of fragments (¼"-6").

285.0 Brecciated zone. Highly altered acidic dyke material 50%, quartz 20%, granitic fragments 20%.

289.5 Dyke, pale greenish brown, fine grained, highly seritized, massive.

292.5 Highly brecciated zone, relatively fresh, pink, granite inclusion, ("injections") (6"-1½') long) 30%, short diabasic dykes 15%, granitic fragments (¼"-3") 10%, highly chloritized diabasic fragments 15%, QC matrix 20%, red acidic fragments 5%. Note highly chloritized highly brecciated zone with 50% broken pp core from 321.0 to 324.0. Minor py and cpy throughout.

353.0 Highly chloritized sheared diabase, highly shattered.

353.6 Highly brecciated zone. Altered granite 40%, quartz 40%, fine grained 10%.
358.0

358.0 Granite, pink, fresh, massive.
371.7

371.7 Brecciated diabase, low brecciation, medium chloritized.
376.0

376.0 Highly brecciated zone. Relatively fresh granite "injections" (1'-7') 15% Red fresh granitic fragments 40%, diabasic fragments 10%, aplite fragments 10% (?), medium altered granitic fragments 5%, QC 20-30%.

463.0 Highly brecciated zone. Low to medium alteration, relatively small fragments (¼"-4"). Fresh granite 40%, medium to highly altered granite 10%, highly altered diabase 10%, red acidic fragments 5%, basic dyke material 5%, QC 25-30%. Note minor cpy in a highly altered Gabbroic dyke at 540.0 to 541.3.

601.5 Brecciated granite. 5% quartz.

605.0 Highly brecciated zone. Medium to highly altered. Size of fragments (¼"-2"); granite 40%, diabase 20%, dyke 10%, QC 35%, minor cpy and py 1-2%.
640.0

640.0 Mineralized zone. 25' of core missing (mill test?)
665.0

665.0 Mineralized zone. 20% cpy in a highly brecciated zone as above; quartz 40%.
668.0

668.0 Mineralized zone as above but cpy 2-3% with local concentrations. QC 30%. Size of fragments small as above, altered medium to high as above.
719.0

719.0 Granite, low alteration. QC 3%.
727.2

727.2 Mineralized zone. 2-3% cpy and 1% py in a highly brecciated zone as above. 35% QC, medium to highly altered.

DESCRIPTION

741.7

741.7 Highly brecciated zone as above. Note 50% fresh granitic "injections"(2"-3') long. Minor cpy associated with quartz. Size of fragments small (¼"-5") ~~generally altered~~, ~~to~~ medium alteration.

770.0 Highly brecciated zone, medium altered. Size of fragments relatively small. Relatively fresh granite 20%, altered diabase 30%, fine grained acidic material 10%, basic volcanic dyke 5%, QC 25%, minor cpy blobs widely scattered throughout. Fresh granitic "injection" 5% (1'-3') long. Note widely scattered blobs of cpy at 889.0 to 890.0

892.0

892.0 End of hole.

Sheet No. 1. ASSAY RESULTS Hole No. V-8

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1435	16.0-22.0	6.0	1.58		
6	22.0-28.0	6.0	0.18		
7	28.0-34.0	6.0	0.16		
8	34.0-40.0	6.0	0.16		
1566	40.0-49.0	9.0	0.20		
7	49.0-58.5	9.5	0.17		
1439	58.5-67.0	8.5	0.31		
1440	67.0-72.0	5.0	2.49		
1	72.0-82.0	10.0	0.31		
2	82.0-92.0	10.0	0.47		
3	92.0-102.0	10.0	0.79		
4	102.0-112.0	10.0	0.15		
5	112.0-122.0	10.0	0.51		
6	122.0-132.0	10.0	0.31		
7	132.0-138.5	6.5	0.18		
8	138.5-143.5	5.0	0.74		
9	143.5-148.5	5.0	0.38		
1450	148.5-153.5	5.0	0.33		
1	153.5-158.5	5.0	2.44		
2	158.5-162.0	3.5	1.16		
7901	175.4-176.4	1.0	2.04		
7902	211.7-213.0	1.3	0.86		
2737	427.2-429.6	2.4	0.34		
7903	540.0-541.3	1.3	2.53		
1986	635.0-640.4	5.4	0.37		
7	640.4-647.6	7.2	22.11		4.20
8	647.6-653.0	5.4	0.56		0.21
9	653.0-658.0	5.0	6.97		1.38
1990	658.0-663.0	5.0	0.60		0.23
1	663.0-668.0	5.0	7.75		1.47
2	668.0-673.0	5.0	0.74		0.26
1993	692.0-699.0	7.0	1.03		
1994	699.0-706.0	7.0	1.29		
5	706.0-714.4	8.4	1.34		
7904	727.2-728.3	1.1	1.47		
5	728.3-733.3	5.0	0.18		
6	733.3-734.4	1.1	1.02		
7	734.4-740.7	6.3	0.15		
8	740.7-741.7	1.0	0.55		

ASSAY RESULTS

Hole No. V-8

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
7909	751.1-753.2	2.1	0.70		
7910	753.2-758.2	5.0	0.20		
1	758.2-762.0	3.8	0.21		
2	762.0-763.0	1.0	1.77		
7913	883.2-884.2	1.0	0.64		
7914	898.0-890.2	1.2	0.73		
Deepening					
7793	901.7-911.7	10.0	0.06		
4	911.7-917.9	6.2	0.34		
5	917.9-926.6	8.7	0.11		
6	926.6-931.6	5.0	0.23		
7	931.6-936.6	5.0	0.23		
8	936.6-946.6	10.0	0.07		
9	946.6-956.6	10.0	0.20		
7800	956.6-961.6	5.0	0.42		
1	961.6-966.6	5.0	0.12		
2	966.6-971.6	5.0	0.08		
3	971.6-979.0	7.4	0.18		
4	979.0-989.0	10.0	0.05		
5	989.0-999.0	10.0	0.11		
6	999.0-1009.0	10.0	0.10		
7	1009.0-1019.0	10.0	0.10		
8	1019.0-1029.0	10.0	0.09		
9	1029.0-1037.7	8.7	0.07		
7810	1037.7-1039.2	1.5	3.03		
1	1039.2-1049.2	10.0	0.52	Tr.	
7819	1285.0-1291.4	6.4		Nil	
7820	1291.4-1297.4	6.0		Tr.	
AVERAGES:					
	67.0-162.0	95.0	0.66		
	153.0-162.0	8.5	1.91		
	640.4-668.0	27.6	8.65		1.69
	647.6-714.4	74.4	3.78		
	692.0-714.4	22.4	1.23		

Sheet No. 3. ASSAY RESULTS Hole No. V-8

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
2118	650.0-660.0	10.0	6.68		
9	660.0-670.0	10.0	5.00		
2120	670.0-680.0	10.0	8.58		
AVERAGES:					
	650.0-680.0	30.0	6.75		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: Deepening of V-8

LOCATION: Batchawana Bay, Ontario

Latitude: 300 N — Dip: ∠ 90 degrees — Pjari

Departure: 100 W — Depth: 565 - 892

Elevation: 1002.70 — Commenced: June 4, 1963

Azimuth: N/A — Finished: June 6, 1963 — Logged by: D. V. Dickson

DIP TESTS

Footage	Az Reading	Corrected
880	N 85 E	90°

SAMPLE NUMBER	DESCRIPTION
	Hole begins in the Brecciated Zone with Intrusives
	565.0 - 635.0 Granite 50%; Quartz 30% and Intrusives 20%
	635.0 - 710.4 Brey Granite 25%; Quartz 50% and Greenish grey Intrusives 25%
	640.6 - 645.6 Almost continuous chalco with a few inch sections of pyrite
	645.6 - 672.9 Good splashes of chalco, may average 1.0% Cu
	672.9 - 692.0 No mineralization
	692.0 - 714.4 Fair chalco splashes, may average 0.90% Cu
	710.4 - 775.0 Granite bleached to pink 60%; Quartz 20% and Intrusives of gabbro and greenstone 20%
	727.5 - 774.0 - fourteen small and medium splashes of chalco but percentage copper would be very low
	775.0 - 892.0 Bleached granite 70%; Gabbro 20% and Quartz 10%
	808.0 1/8" pyrite seam at 30 degrees to core
	810.7 one small splash each of chalco and pyrite
	830.2, 835.4, 842.0, 847.6, 854.6 and 859.3 Small splashes of pyrite
	846.8 and 862.4 Small splashes of chalco
	871.7 Small splash of pyrite
	876.0, 878.5, and 883.5 Medium splashes of pyrite with small splashes of chalco
	884.9 Small splash of pyrite
	889.1 and 889.4 Small splashes of chalco
	892.0 End of Hole

Sample List

				%Cu		
1986	635.0 - 640.4	5.4		0.27		
1987	640.4 - 647.6	7.2	Est. 15% Cu	22.11	4.20	1.69 % Cu
1988	647.6 - 653.0	5.4		0.56	0.21	8.65'
1989	653.0 - 658.0	5.0		6.97	1.38	27.6'
1990	658.0 - 663.0	5.0		0.60	0.23	
1991	663.0 - 668.0	5.0		7.75	1.47	
1992	668.0 - 673.0	5.0		0.74	0.26	
1993	692.0 - 699.0	7.0		1.03		1.23 %
1994	699.0 - 706.0	7.0		1.29		
1995	706.0 - 714.4	8.4		1.34		22.4'

Sample Sheet for the deepening of V-8

1986	635.0 - 640.4	5.4	0.37
1987	640.4 - 647.6	7.2	22.11
1988	647.6 - 653.0	5.4	0.56
1989	653.0 - 658.0	5.0	6.97
1990	658.0 - 663.0	5.0	0.60
1991	663.0 - 668.0	5.0	7.75
1992	668.0 - 673.0	5.0	0.74
2293	673.0 - 682.5	9.5	0.30
2294	682.5 - 692.0	9.5	0.22
1993	692.0 - 699.0	7.0	1.03
1994	699.0 - 706.0	7.0	1.29
1995	706.0 - 714.4	8.4	1.34

Sludges

2118	650.0 - 660.0	10.0	6.68
2119	660.0 - 670.0	10.0	5.00
2120	670.0 - 680.0	10.0	8.58

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: V-8

LOCATION: Batchawana Bay, Ontario

Acid Test at 1540' -89°
DIP TESTS

Latitude:	Dip:	Footage	Reading	Corrected
Departure:	Depth:			
Elevation:	Commenced: March 15, 1964			
Azimuth:	Finished: March 24, 1964	Logged by: A. J. Walker		

SAMPLE NUMBER	DESCRIPTION
	DEEPENING V-8
	892.0
892.0	Highly brecciated zone. Granitic fragments 40%; basic - volcanic(?) fragments 20%; acid fragments 5%; quartz carbonate 15-25%. Mineralized with blobs and patches of chalcopyrite and pyrite, with best chalcopyrite 912.0 to 937.0, less than 1% chalcopyrite. Some altered fragments generally 1" size, with occasional fresh granitic injection 6"-12". Light, earthy alteration.
	975.0
975.0	Breccia, as above, but increase in basic fragments - 30%; granitic 35%; acidic 5%; brownish soft fragment(?) 5%; quartz carbonate 15-25%. Increased alteration of granitic fragments.
	1020.0
1020.0	Breccia. Decrease in quartz carbonate 10-15%. 60% granitic fragments; 20% basic fragments. Occasional fine chalcopyrite blob; pyrite 1%. 1037.9-1038.5 - 20% chalcopyrite; 25% pyrite. 1040.0-1041.2 - Fine grained, dark, basic rock.
	1049.0
1049.0	Breccia - Lightly brecciated - mainly granitic with occasional quartz carbonate stringers. Pyrite 2%. 1050.5-1052.0 - 40% quartz carbonate.
	1067.0
1067.0	Breccia Zone. 40% altered granitic fragments (sericite); 15% fine grained acidic fragments; 30% dark, fine grained, basic, altered fragments; 15% quartz carbonate. Some fine pyrite with occasional blob of chalcopyrite. Epidote alteration in filling material. Occasional fresh, massive, granite sections, as at 1127.0 to 1129.0 and 1145.2-1146.2. 1184.0 - 6" calcite stringers. Fresh granite sections at 1200.0-1210.0, 1220.5-1222.5. 1224.3-1226.0 - Fine grained acid dyke, porphyritic - (fine quartz eyes)
	1226.0
1226.0	Lightly brecciated, altered rock, mainly granitic - 60%, with a variety of fragments (acid dyke, basic, granitic and altered of all three) at intervals between massive

DESCRIPTION

sections. Gradational change to more massive, altered rock, with fewer fragments. Minor quartz carbonate. Alteration is epidote as fragments and grains and sericite along fractures. Light pyrite.
1226.0-1271.0 - Brecciated with variety of fragments.
1271.0 - Becoming more granitic.
1296.0-1299.0 - Altered acid dyke.
1300.0

1300.0 Altered granite, pink colour with light earthy alteration. Sericite along slips (talcy). Light brecciation in some sections. 3% pyrite. Occasional acid dyke. Light carbonate filling and grains throughout.
1331.8-1332.8 - Broken core (burned bit cooked rock).
1332.8-1334.5 - Lost core.

1336.5 1336.5
Breccia Zone. Mainly granitic, with dark colour carbonate filling. Light pyrite.
1349.0-1350.0 - Lost core.
1400.6-1401.6 - Altered acid dyke.
1405.7-1406.5 - Altered acid dyke.
1412.5-1413.3 - Altered acid dyke.
1416.3-1417.9 - Lost core.
1455.8-1457.0 - Altered acid dyke (greenish).
1457.0-1459.0 - Black altered rock with 30% white carbonate filling.
1460.8-1464.3 - Medium grained diabase with indistinct contacts.
1500.0 - Increased altered acid dyke material in bands 3" to 12" - 25%.
1551.0

1551.0 End of Hole.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: V-9

LOCATION: Breton Property, Batchawana Bay, Ontario

Latitude: 100N — Dip: 90° — DIP TESTS

Footage	Reading	Corrected
640'	90°00	90°00

Departure: 200E — Depth: 647'

Elevation: 995.93 — Commenced: November 3, 1962

Azimuth: — Finished: November 8, 1962 — Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 10.0
	10.0 Granite. Pink, fresh and massive. 2-3% quartz stringers. 23.2
	23.2 Brecciated zone. Low brecciation. Predominately fine-grained basic sections, interrupted by quartz-rich brecciated zones with embedded fragments of basic, granitic (5%) and fine-grained acidic (5%) material. Quartz 5%. 1% pyrite; trace chalcopyrite. 30.0 - Granite, massive, pink, low alteration. 32.0 - Volcanics (trap?). Fine grained, dark grey, low chlorite, medium epidote. Distinctly foliated at 65° c.n. 33.2 - Medium brecciated zone. Relatively fresh granitic fragments and masses 55%; chloritized fine grained basic fragments 25%; aplite 5%; quartz carbonate 10%; trace pyrite. 39.0 - Red aplite, fine grained, massive. 40.0
	40.0 Granite, pink, fresh and massive. Interrupted by a 1.0' of basic, foliated (55° c.n.); silicified rock at 43.0', and by a 0.5' quartz brecciated zone at 51.5. Core broken up from 53.0 to 54.0. 54.0 - Foliated basic rock as at 43.0. 55.0 - Brecciated granite - medium alteration; quartz 15%. 57.0 - Aplite porphyry. Red, fine grained, massive. Sugary matrix with 20% chloritized phenocrysts. 60.2 --Brecciated granite. Low alteration; quartz 15-20%. 64.3
	64.3 Highly chloritized, shattered fine grained basic rock. Cut by 10% quartz stringers. 65.0
	65.0 Highly brecciated zone. Low-medium alteration. Relatively fresh, granite 50%; fine grained basic, chloritized fragments 15-20%; altered fine grained acidic 5%; quartz carbonate 20-25%. Core broken up from 686 - 69.6. 69.6
	69.6 Granite - pink, fresh and massive. 2-3% quartz stringers. 86.8
	86.8 Medium brecciated zone. Low-medium alteration. Predominately relatively fresh granitic sections (up to 1.5') and fragments 55-60%; fine grained basic fragments and dykelets 20%; sericitized, fine grained acidic fragments 5%; quartz carbonate 10-15%.

	DESCRIPTION
	96.5
96.5	Granite, pink, fresh and massive. Cut by a 0.4' highly chloritized trap at 99.5.
	101.0
101.0	Highly brecciated, highly chloritized diabase. Quartz 40%. 103.0 - Diabase, low brecciation, relatively massive, becoming distinctly foliated at 60° c.n. and slightly brecciated from 103.5 on.
	103.6
103.6	Granite, pink, fresh, massive. 10% chloritized mafics.
	106.0
106.0	Volcanics. Dark green, fine grained, slightly chloritized, relatively massive. 5% quartz stringers.
	109.3
109.3	Brecciated granite. Low alteration, medium brecciation. Quartz 20%.
	114.5
114.5	Medium brecciated zone. Predominately basic and fine-medium grained diabasic. Quartz 15%. Altered aplite fragments 5%. Medium chloritization. 121.0 - Medium brecciated zone. Granitic fragments and masses 60%; fine grained basic 20%; quartz carbonate 20%. Note highly chloritized zone from 122.0-123.5. Note highly chloritized massive diabase dyke from 127.0-128.5.
	130.0
130.0	Granite. Low alteration} Pink massive. 10% quartz carbonate. Note 0.5 brecciated zone with basic fragments at 134.5.
	137.0
137.0	Highly brecciated zone. Medium alteration. Aplite fragments 10%; fresh granite 25%; highly chloritized diabase 35%; quartz carbonate 30%.
	141.3
141.3	Granite. Pink, fresh and massive. Cut by a 1.0 highly chloritized partly disintegrated trap at 144.2.
	148.3
148.3	Medium brecciated zone. Predominately slightly chloritized to fresh diabase. Massive sections interrupted by quartz-rich brecciated zones with fragments of diabase and granitic (5%) material. Total quartz 15%. The zone is interrupted by relatively unbrecciated fresh granitic sections from 161.0-162.0, 167.0-170.5, 179.6-180.2. From 160' on, chloritization of this diabase increases to medium-high.
	180.7
180.7	Highly brecciated zone. Low alteration. Small fragments (1/4-1") of granitic (20%) and diabasic (20%) material embedded in a quartz carbonate matrix (60%).
	182.5
182.5	Granite. Low patchy chloritization. Massive, interrupted by two highly brecciated zones (as at 180.7) from 185.2 to 186.4 and at 193.0 to 194.0. The latter mineralized with 1% chalcopyrite, 1-2% pyrite.
	199.5
199.5	Highly brecciated zone. Relatively fresh granite 30%; fine grained aplitic fragments 10%; quartz darbonate 60%;. Note fragments of altered diabase at 202.0.

	DESCRIPTION
	208.5
208.5	Highly brecciated diabase. High chloritization. Quartz 10-15%.
	212.0
212.0	Medium brecciated zone. Low alteration. Granitic fragments and masses 60%; chloritized diabase 20%; quartz carbonate 20%. Trace pyrite and chalcopyrite.
	220.6
220.6	Medium brecciated zone. Fine grained medium chloritized diabase 55%; relatively fresh granitic fragments 10%; quartz carbonate 35%. Note 1.5' coarsely xalline quartz carbonate zone with minor interstitial hematite from 227.2-to
	236.2
236.2	Granite. Pink, fresh and massive.
	238.7 - 3" quartz stringers, followed by fine grained, dark green, medium chloritized, foliated (60° c.n.) volcanics.
	240.4
240.4	Highly brecciated zone. Low alteration. Granitic fragments 40%; highly chloritized volcanics 10%; quartz carbonate 50%.
	242.6
242.6	Granite. Pink, fresh and massive.
	246.0
246.0	Highly brecciated zone, as at 230.4.
	247.5
247.5	Granite. Pink, fresh and massive.
	249.0
249.0	Highly brecciated zone, as at 230.4.
	250.1
250.1	Granite. Pink, fresh and massive, interrupted by a 3" brecciated zone at 258.0.
	260.8
260.8	Highly brecciated granite. Low-medium alteration; quartz 30%.
	264.5
264.5	Granite. Pink, fresh and massive. Minor patchy chloritization. Note two 3" trap dykelets, at 268.5 (45° c.n.) and at 271.2 (15°c.n.).
	285.0 - Granite, highly altered (earthy and chloritized).
	286.0 - Granite, as at 264.5, becoming quartz-poor, fine grained near end.
	287.0
287.0	Trap, slightly chloritized and sericitized. 5% quartz carbonate; trace pyrite.
	289.5
289.5	Granite. Pink, fresh and massive.
	291.0
291.0	Highly brecciated zone. Low alteration. Granite 40%; fine grained chloritized basic 40% (increasing toward end); quartz carbonate 20%.
	295.2
295.2	Volcanics (trap?) Dark greenish gray, fine grained, massive, fresh. Minor epidotization, minor quartz-rich brecciated zone in centre.

DESCRIPTION

298.0

298.0 Medium brecciated zone. Low alteration. Predominately fresh granitic fragments and masses (60%); basic or fine-grained diabasic fragments 10%; quartz carbonate 30%. Note highly altered zone from 309.0-310.0.

323.7

323.7 Volcanics (trap?) as at 295.2. Note 3" granitic fragments and stringers in centre.

327.3

327.3 Medium brecciated zone as at 298.0.

341.8

341.8 Highly brecciated zone. Medium chloritized basic fragments 60%; granite 15%; quartz carbonate 25%.

344.2

344.2 Brecciated granite. Low brecciation, low alteration.

346.0

346.0 Amygdaloidal dyke (volcanics?). Fine grained, dark brownish grey, with 5% white and brown rounded (1-2 mm.) amygdules. Upper contact brecciated and cut by quartz stringers. Lower contact obliterated by a 1" quartz stringer.

346.7

346.7 Granite. Low patchy chloritization, massive.

347.4

347.4 Volcanics (?) (trap?). Dark grey, very fine grained, massive, hard. From 349.0 core broken up. 1 foot lost core.

350.7

350.7 Medium brecciated zone. Low alteration. Granitic masses and fragments 75%; medium chloritized basic material 10%; quartz carbonate 15%.

362.0

362.0 Granite, pink, fresh and massive.

367.0

367.0 Volcanic?(Trap), slightly brecciated; medium chloritized. Quartz 15%.

369.0

369.0 Brecciated granite. Low brecciation. Relatively fresh and massive granitic sections interrupted by 15% coarsely xalline quartz-rich brecciated zones with embedded fragments of granite. Zone cut by 2.0' dark green, banded volcanics (trap?) from 272.2-274.0; but by a highly chloritized, massive, medium grained diabase from 379.5-382.2; 0.5' chloritized trap at 385.0; 0.7' chloritized diabase at 390.0 and 394.0. Note 1½" chalcopyrite blobs associated with quartz at 371.5' and minor pyrite and chalcopyrite at 390.0'.

410.0

410.0 Diabase. Fine-medium grained, fresh and massive, becoming sericitized and chloritized near lower contact.

413.7

413.7 Brecciated granite as at 369.0. 10% highly chloritized, fine grained basic and diabasic fragments and dykelets; quartz 10%.

434.0

434.0 Highly brecciated zone. Medium-high alteration. Fresh granite 5%; highly chloritized basic and diabasic material 55%; quartz 15%; altered granite 10%.

	DESCRIPTION
	Zone mineralized with 3-4% chalcopyrite; 1-2% pyrite in widely scattered blobs associated with quartz. Note zones of extreme alteration at 436.0 and 441.0.
	462.0 - Highly brecciated zone. High alteration. Predominately chloritized basic material. Note amygdaloidal porphyritic trachyte(?) as described in V-9 (at) from 464.0-464.5. Core in part badly broken up.
	472.0
472.0	Brecciated granite. Low-medium alteration. Low brecciation, but core in part broken up.
	490.0
490.0	Highly brecciated zone. Highalteration. Earthy and chloritized granitic fragments 60%; chloritized basic and diabasic 10%; quartz carbonate 25-30%. 1%-pyrite and chalcopyrite associated with quartz.
	From 548.0, quartz increases to 50%.
	582.0
582.0	Highly brecciated zone. Quartz decreases to 10-15%, basic and diabasic material 60%; highly altered granitic fragments 20%; chalcopyrite 2-3%.
	587.0
587.0	Medium brecciated zone. Predominately highly altered, earthy granite (80%); highly chloritized basic and diabasic material 10%; quartz carbonate 10%; the zone contains relatively low altered massive granitic sections from 594.0 to 595.0, 611.0 to 615.0, 633.0 to 635.0.
	From 599.0-601.0 1-2% chalcopyrite associated with quartz stringers.
	642.5
642.5	Granite. Massive, low alteration; quartz stringers 2-3%.
	647.0
647.0	End of Hole.

ASSAY RESULTS

Hole No. V-9

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
2124	402.0-403.7	1.7	0.84		
1455	435.0-443.5	8.5	0.66		
6	443.5-449.5	6.0	1.55		
7	449.5-463.5	14.0	1.08		
8	463.5-471.5	8.0	0.42		
9	514.0-520.0	6.0	0.83		
1460	520.0-525.0	5.0	0.10		
1	525.0-530.0	5.0	0.48		
2	530.0-535.0	5.0	0.32		
3	535.0-540.0	5.0	0.18		
4	540.0-545.0	5.0	0.30		
5	545.0-551.0	6.0	0.33		
6	551.0-557.0	6.0	1.33		
7	557.0-567.0	10.0	0.17		
1475	567.0-577.0	10.0	0.25		
7	577.0-582.0	5.0	0.73		
8	582.0-588.0	6.0	1.03		
1479	599.0-601.0	2.0	1.61		

ASSAY RESULTS

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1468	430.0-440.0	10.0	0.25		
9	440.0-450.0	10.0	0.85		
1470	450.0-460.0	10.0	0.59		
1	460.0-470.0	10.0	0.83		
2	470.0-480.0	10.0	0.83		
3	480.0-490.0	10.0	0.69		
4	490.0-500.0	10.0	0.47		
5	500.0-510.0	10.0	0.40		
AVERAGES:					
	460.0-480.0	20.0	0.83(?)		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited, HOLE NUMBER: V-10

LOCATION: Batchawana Bay, Ontario.

				DIP TESTS		
Latitude:	300 N	Dip:	90°	Footage	Reading	Corrected
Departure:	200 W	Depth:	723 Pajari	723 900'	88-00 Az. S 15 W	88-00 86-00.
Elevation:	1012.62	Commenced:	Nov. 7, 1962.			
Azimuth:		Finished:	Nov. 13, 1962.	Logged by:	M. Blecha.	

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing. 17.0 Volcanics, fine grained, fresh, massive, dark grey. 19.0 19.0 Highly brecciated zone, low ~~to~~ medium alteration, green granite 80%, QC 20%. Note 1" cpy blob associated with quartz at 19.3. 20.0 20.0 Amygdaloidal dyke, grey, fine grained, medium carbonatized. 5% pink, white and green amygdules (1-20mm) upper contact sharp irregular and drilled. Lower contact sharp and drilled. Note muddy disintegrated core from 21.5 to 23.0. Minor carb. filled fractures at 70-90° c.n. at 62-63! Also note carb. filled fractures 100.5 to 101.0 at 60° c.n. 130.5 130.5 Medium brecciated zone. ~~Medium xx xxxxx~~ Low alteration, 60% granitic fragments, 5% acidic fragments, 10% dyke material, 10-15% QC, cut by a 1.7 foot trap dyke at 141.2. 150.0 Granite. Relatively fresh, brownish, pink, massive.. 156.5 Brecciated zone as at 130.5 but includes 25% of fine grained aphanitic dyke material which resembles the contact of amygdaloidal dyke. 171.0 171.0 Highly altered zone, high earthy alteration and chloritization of granite. Core partly disintegrated. Sharp lower contact at 45° c.n. 173.5 173.5 Medium brecciated zone, low alteration, 80% pink, fresh, granite, less than 5% altered granitic fragments. 5% basic dyke material, 2-3% acidic fragments, quartz 5-7%. Cut by a pink, fine grained aplitic dyke at 187.2 to 191.0. Minor scattered blobs py. 251.0 Brecciated ~~xxxx~~ granite, relatively fresh, low brecciation. 255.0 Brecciated zone as at 173.5. Note pink 4"QC stringer at 264.0. Note blobs of cpy at 272.0. General alteration low. Cut by a medium chloritized, fine grained, 1 foot diabase dykelets at 261.8, 295.0, 296.8 and 321.0. 324.0 Diabase dyke, fine to medium grained, medium chloritized, sharp contact at 45° c.n. 328.2 Medium brecciated zone as at 255.0. Note diabase dyke at ~~xxx x xxx x xx~~ 327.9 334.0

DESCRIPTION

334.0 Mineralized zone. 2-3% cpy, 1-2% py in a highly brecciated zone, relatively low alteration. QC 15%. Note 2" blobs of massive cpy associated with quartz at 338.0.
349.5 Highly brecciated zone. Medium alteration. Granitic fragments 50%, diabasic fragments 10%, dyke material 5%, QC 10%, 1-2% cpy, 1-2% py in widely scattered blobs, Note relatively fresh diabase dyke from 373.5 to 376.5
392.0

392.0 Highly altered granite, high earthy alteration and chloritization, 3-4% finely crystalline py. Minor brecciation.
402.0

402.0 Medium brecciated zone. Low alteration. 75% fine granite, 5% red acidic material, 10% diabasic fragments, QC 10%, fine grained basic fragments less than 5%. Note relatively fresh fine grained diabase from 426.5 to 428.0. Note minor cpy associated with quartz from 423.0 down.
449.0

449.0 Highly brecciated zone. Alteration increases to medium. Relatively fresh granite, acidic fragments 5%, altered granite 50%, diabasic material 5%, QC 10%, 3-4% py and 1% cpy.
464.0

464.0 Medium brecciated zone, alteration low, predominantly granite cut by a 1.0 foot diabasic dyke, minor py.
469.0 Granite, pink, fresh and massive.
477.3 Medium brecciated zone. 80% granitic fragments and masses cut by highly chloritized diabase dykelets (15%), QC-rich brecciated zone 10%. Note sharp irregular contacts of aplite and diabase from 478.0 to 479.0. Note porphyritic aplite dyke from 500.0 to 501.4., with chlorite phenocrysts in a red aphanitic matrix.
508.0

508.0 Highly brecciated zone, high alteration. Size of fragments (¼"-4"). 60-70% altered granite gray dyke material, less tha 5% acidic fragments, 25% quartz carbonate. Note quartz strin ers (75%), some with 1-2% cpy, 3% py at 510.0 to 515.0. Highly sericitized and fractured at upper contact. ~~Note fine grained pale, grey dykelet at upper contact~~. Note fine grained pale, grey dykelet at 559'. Note minor blobs of cpy at 559.0 and 571.7.
578.0

578.0 Mineralized zone. 5-7% cpy in a widely scattered blobs associated with quartz in a highly brecciated zone as above.
583.0

583.0 Highly brecciated zone as at 508.0. High alteration. Minor blobs of cpy associated with quartz.
65.7.0

657.0 Core missing.
715.3 brecciated

715.3 Highly ~~brecciated~~ zone, medium high alteration as at 583.0.
723.5

723.5 End of hole.

ASSAY RESULTS

Hole No.V-10

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
6269	271.6-276.6	5.0	0.48		
6270	276.6-281.6	5.0	0.14		
1480	333.5-340.5	7.0	1.33		
6271	340.5-345.5	5.0	0.08		
2	345.5-350.5	5.0	0.15		
1483	352.5-360.0	7.5	0.47		
4	360.0-368.0	8.0	0.45		
5	368.0-376.0	8.0	0.16		
6	376.0-384.0	8.0	0.28		
1492	446.0-451.0	5.0	0.32		
6273	451.0-455.0	4.0	0.10		
4	455.0-460.0	5.0	0.33		
5	460.0-465.0	5.0	0.10		
6	465.0-470.0	5.0	0.16		
1493	526.0-531.0	5.0	0.24		
1494	578.0-583.0	5.0	2.84		
5	583.0-588.0	5.0	0.27		
6	588.0-593.0	5.0	0.14		
7	593.0-598.0	5.0	0.41		
1358	660.0-665.0	5.0	2.14		
9	665.0-670.0	5.0	0.13		
1360	670.0-675.0	5.0	2.00		
1	675.0-680.0	5.0	0.26		
2	680.0-685.0	5.0	0.31		
3	685.0-690.0	5.0	6.52		
4	690.0-695.0	5.0	0.62		
5	695.0-700.0	5.0	0.15		
6	700.0-705.0	5.0	0.35		
7	705.0-710.0	5.0	0.77		
8	710.0-715.0	5.0	0.23		
Re-Assayed:					
1862	660.0-665.0	5.0	4.41		
3	665.0-670.0	5.0	0.27		
4	670.0-675.0	5.0	2.60		
5	675.0-680.0	5.0	0.24		
6	680.0-685.0	5.0	0.71		
7	685.0-690.0	5.0	5.93		
8	690.0-695.0	5.0	0.54		
9	695.0-700.0	5.0	0.11		

ASSAY RESULTS

Hole No. V-10

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au/%	Ag.%
1870	700.0-705.0	5.0	0.20		
1	705.0-710.0	5.0	0.40		
2	710.0-715.0	5.0	0.35		
Wedged & Deepened:					
2186	514.0-517.6	3.3	0.37		
2187	530.0-531.0	1.0	1.35		
2188	578.2-582.2	4.0	1.61		
9	582.2-586.4	4.2	2.54		0.43
2196	586.4-591.0	4.6	0.06		
7	591.0-595.0	4.0	0.08		
2190	595.0-600.0	5.0	0.55		
1	600.0-605.0	5.0	0.07		
2	605.0-610.0	5.0	0.11		
2195	610.0-615.0	5.0	0.09		
2193	615.0-620.0	5.0	0.24		
4	620.0-622.1	2.1	1.00		
2198	622.1-630.0	7.9	0.06		
9	630.0-635.0	5.0	0.05		
2200	635.0-640.0	5.0	0.24		
1	640.0-645.0	5.0	0.22		
2	645.0-650.0	5.0	0.14		
3	650.0-655.0	5.0	0.35		
4	655.0-660.0	5.0	0.87		
5	660.0-665.0	5.0	0.43		
6	665.0-670.0	5.0	0.26		
7	670.0-675.0	5.0	1.04		
8	675.0-680.0	5.0	0.12		
9	680.0-685.0	5.0	0.10		
2210	685.0-690.0	5.0	0.06		
1	690.0-695.0	5.0	0.61		
2	695.0-700.0	5.0	0.89		
3	700.0-705.0	5.0	0.23		
2215	705.0-710.0	5.0	0.15		
6	710.0-715.0	5.0	0.14		
2217	732.0-735.0	3.0	0.93		
7921	794.8-795.8	1.0	1.07		
2	795.8-798.6	2.8	0.47		
2359	862.2-870.0	7.8	0.41		

ASSAY RESULTS

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
6370	910.0-912.5	2.5	0.21		
1	912.5-917.5	5.0	0.16		
2	917.5-922.5	5.0	0.35		
3	922.5-924.2	1.7	0.25		
AVERAGES					
	578.0-598.0	20.0	0.91		
	660.0-690.0	30.0	1.89		4.25
Reassayed -	660.0-690.0	30.0	2.36		2.13
	578.2-586.4	8.2	2.09		
	578.2-700.0	121.8	0.43		
	655.0-675.0	20.0	0.65		
	670.0-700.0	30.0	0.47		

COMPOSITE OF SAMPLES	WO_3
660.0-690.0	0.07
690.0-715.0	0.04
660.0-715.0	0.06

ASSAY RESULTS

Hole No. V-10

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1487	500.0-510.0	10.0	0.24		
8	510.0-520.0	10.0	0.24		
9	520.0-530.0	10.0	0.26		
1490	530.0-540.0	10.0	0.36		
1	540.0-550.0	10.0	0.36		
1498	580.0-590.0	10.0	1.23		
9	590.0-600.0	10.0	0.87		
1500	600.0-610.0	10.0	0.47		
1369	610.0-620.0	10.0	0.54		
1370	620.0-630.0	10.0	0.38		
1	630.0-640.0	10.0	0.39		
2	640.0-650.0	10.0	0.25		
3	650.0-660.0	10.0	0.25		
4	660.0-670.0	10.0	1.39		
5	670.0-680.0	10.0	1.52		
6	680.0-690.0	10.0	5.98		
7	690.0-700.0	10.0	2.04		
8	700.0-710.0	10.0	1.30		
9	710.0-720.0	10.0	1.98		
AVERAGES:					
	580.0-720.0	140.0	1.32		
	660.0-720.0	60.0	2.37		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER: V-10

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude: 3+00N Dip: 90° Footage Reading Corrected

Departure: 2+00W Depth: 723 Deepened once 924.5

Elevation: 1012.62 Commenced: November 7, 1962

Azimuth: Finished: November 13, 1962 Logged by: Ross Shields

SAMPLE NUMBER	DESCRIPTION		
	0.0 Casing 17.0		
	17.0 Volcanics, grey green, fine grained to aphanitic, generally massive. 19.2		
	19.2 Shatter zone, some quartz carbonate and red granite fragments with some chalcopyrite spots 1/4-3/4 inches in size. 20.0		
	20.0 Dark grey green felsite, massive aphanitic, calcareous containing calcite filled 1/16-1/4 inch vesicles and a few sub-angular to sub-rounded granitic fragments 1/8-1/2 inch in size like a micro tillite, or possibly an amygdaloidal andesitic flow with rolled-in inclusions of granite in which 23-28 constitutes the chilled top. Whether the blocky core fragments from 22-23 represents pillow or flow top selvage seems to be too indefinite to be worth guessing at. The intersection might also represent fluidized self foaming tuffaceous material developing into dyke material in a tectonic stress zone. Fairly numerous carbonate stringers at various angles to the core occur, usually hairline thick, but 2 or 3 are 1/4-1/2 inch thick and contain some pink (rhodochrosite?) carbonate. 1 to 1 HCl used for calcite check effervesces lightly anywhere on the rock and turns beer-bottle or epidote green. Contact Zone-130.2		
	130.2 Impure granite white quartz spotted in a greenish (volcanic ash sifted in) ground mass with a couple of inches of chlorite. Schist at 130.2 against the dark grey green felsi Impure granite is in part bentonitic? being swolle.. after a year's exposure in the core rock. 132.8 Felsite as at 20.0, upper contact against granite is irregular and slightly brecciated, lower contact is lost, core is blocky and only chips and fragments were recovered. 135.0		
	135.0 Shatter zone of medium intensity. 4% quartz carbonate, vuggy in part, proportion of carbonate is high. Volcanics 8%, granite 88% is in part classic red massive granite, in part bleached a lighter pink and some impure greenish white granite, all types slightly calcareous. 168.5 Mylonitic granite. 169.0 Drill shattered fragments of greenstone. 171.0 Bentonitic calcareous light green claystone? expanded		

DESCRIPTION

after a year's exposure.
172.0 Impure granite, lower contact, hairline, sharp marked by 1/32" quartz carbonate veinlet.
173.5 Shatter zone as at 135.
187.2 Pink felsite (aplite?) very fine grained less than 1/32 inch.
191.0 Shatter zone as at 135.
204.0 Note cross-bedded calcareous tuff?; greywacke?
204.8 Shatter zone as at 135.
214.6 Mylonitic granite? pink felsite dyke?
216.0 Shatter zone as at 135.
320.6

320.6 Shatter zone of medium intensity.
Quartz carbonate, slightly vuggy in part 12%; volcanics including some diabase-gabbro 8%. Granite mainly massive red granite type and as fragments from 1 or 2 inches to 5 or 6 feet in intersected dimension. Mineralized lightly in several places both finely disseminated chalcopyrite and pyrite with superimposed coarse 1/4-1/2 inch spots of cpy.
392 Impure greenish white granite or arkose with sifted-in tuff and/or volcanic ash.
402 Shatter zone as at 320.6.
At 431 several spots of chalcopyrite and pyrite 1/4-3/8 inch in size.
451 to 470 is lightly mineralized .15-.3% Cu. with associated pyrite as spots 1/8-3/8 inches in size.
461.5 Buff to taupe felsite, grain size, less than 1/32 inch, calcareous massive, contacts, upper at 10° to core normal, lower parallel to core normal.
463 Shatter zone as at 320.6.
At 498.8 Three inches of pink felsophyre with dark green (chlorite after amphibole?) phenocrysts, hairline contacts.
499.7 Pink felsophyre, hairline contacts conforming to irregularities of granite, suggestive of (1) flowage emplacement or (2) arkosic deposition on a breccia bed or lense.
505.5

505.5 Shatter zone of high intensity and greenish white colour, quartz carbonate slightly vuggy in part 40%. Volcanics 7%; Impure greenish white granite 53%. Well mineralized 577.5-583, elsewhere in the zone, only a few coarse 1/4-3/4 inch spots of chalcopyrite occure sporadically in quartz carbonate at a few locations within the shatter zone.
725 Shatter zone has granite fragments of pink and reddish white as well as greenish impure types in approximately equal amounts.
799.5

799.5 Red massive granite, very slightly calcareous throughout.
804 Volcanic inclusion or lense from volcanic source material.
805.8 Red massive granite as at 799.5
822.9

822.9 Shatter zone of high intensity.
Quartz carbonate 40%; volcanics 10%; mixed impure greenish and red granite fragments 50%.

DESCRIPTION

Zone is lightly mineralized with a few random spots of chalcopyrite and pyrite 1/4-3/8 inches in size.
Mineralization is heavier from 910-924.5.
924.5 - End of this portion of the hole.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd. HOLE NUMBER: V-10

LOCATION: Breton Property, Batchawana Bay, Ontario DIP TESTS

			Footage	Reading	Corrected
Latitude:	300N	Dip: 90 deg.			
		Wedged at 492	723	88-00	88-00
Departure:	200W	Depth: 924.5			
Elevation:	1012.62	Commenced:			
Azimuth:		Finished:		Logged by: S.E.Malouf	

SAMPLE NUMBER		DESCRIPTION
	0	Casing
	17'	
	17'	Andesite amygdaloidal, massive, even textured. Quartz carbonate veining 1%.
		19' - Granitic dykelets in at 10° to core normal with Quartz carbonate 20%, carrying chalcopyrite 5%.
		22' - Andesite as above. 5% amygdules. Note some hematite staining appears to chill against underlying rock. Contact irregular at 60° to core normal.
		130' - Chloritised granite or fragmental. Note - core is hydroscopic, probably margarite. Alteration taking up moisture.
		133.0' - Andesite as above.
		135.0
	135.0'	Rhyolite agglomerate. Grey buff colour, fine fragmental. Cut by 50% granite dykelets and pseudo diorite that could be andesite remnants, but not amygdaloidal. Massive. Quartz carbonate veining 5%. Low chalcopyrite.
		161' - Buff grey dykes. Diorite type. Low Pyrite, in at 70° core normal.
		162' - Rhyolite agglomerate and granitic dykelets as above.
		168' - Grey buff dyke
		169' - Altered margarite, rich zone.
		174' - Rhyolite agglomerate and granite as above. Quartz veining 10%.
		184.0 - Red felsite dyke in at 5° to core normal.
		187.0 - Host as above.
		203.0 - Tremolite, rich band, in at 15° to core normal. High foliation and pyrite 8%.
		204.5 - Granite dyke.
		208.0 - Tremolite, rich band, as above, in at 35° core normal. Note strong hematite staining in quartz at edge of dyke.
		209.5 - Red granite, massive, some rhyolite agglomerate, fine grained.
		214.5 - Red felsite, in at 10° core normal.
		216. - Rhyolite agglomerate. Quartz carbonate 15%. Granite dykelets 45%. Gabbro dykes 10%, low chalcopyrite.
		249'
	249'	Gabbro - generally 40%. Granitic dykelets 30%. Rhyolite agglomerate 15%. Quartz carbonate 15%. Low chalcopyrite.

DIAMOND DRILL LOG

PROPERTY:

HOLE NUMBER: V-10

LOCATION:

DIP TESTS

Latitude:	Dip:	Footage	Reading	Corrected
Departure:	Depth:			
Elevation:	Commenced:			
Azimuth:	Finished:	Logged by:		

AMPLE MBER	DESCRIPTION
	324' -Massive, medium fine grained diabasic gabbro. Contacts at 30° core normal.
	328' -General host as above. Note fair chalcopyrite 334 to 340'. General gabbroic habit, but in low grade shatter.
	352' -Medium shatter. Quarts carbonate veining 15%. Chalcopyrite 2%. Host is generally gabbroic as above.
	392' -Heavy alteration - shatter zone - Med.-high epidote, med.-high margarite. Quarts carbonate injection 10%.
	402'
402'	Granite dykelets predominate - Quartz carbonate 15%. Some negligible chalcopyrite. Gabbroic inclusions 15%. Medium fine grained. Some suspected rhyolite agglomerate 10%. Felsite 10%. General alteration is low to medium.
	503'
503'	Rhyolite agglomerate - Quartz carbonate 30%. Excellent fragmental, see specimen. General alteration high, med.-high silica, low-medium chlorite, med. sericite or margarite. Good chalcopyrite, 3%, for first five feet. Granitic dykelets 10%.
	539' -Grey trap dyke with pyrite. Dense fine grained. Note euhedral quarts in specimen. Also inclusion of shattered rhyolite agglomerate, from 540 to 543 and 546 to 547'.
	548' -Rhyolite agglomerate as above.
	See wedged portion of hole for log.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Ltd. HOLE NUMBER: V-10

LOCATION: Breton Property, Batchawana Bay, Ontario.

				DIP TESTS	
Latitude:	300N	Dip: 90 deg. Wedged at 492	Footage	Reading	Corrected
			723	88-00	88-00
Departure:	200W	Depth: 924.5			
Elevation:	1012.62	Commenced:			
Azimuth:		Finished:	Logged by:	S.E. Malouf	

SAMPLE NUMBER	DESCRIPTION
	0 Previous hole above wedge.
	492' Red granite, massive, even textured, low shatter. Quartz carbonate 5%. 1% Chalcopyrite. Felsite 10%. Diabase 25%. Some agglomerate 5%.
	510' Shatter Zone - 35% quartz. Med-high epidote, medium margarite, high silica, med. chlorite. Host appears to be agglomerate, medium size fragments, diverse types.
	562' -Grey trap dyke with some euhedral pyrite.
	565.0 -Rhyolite agglomerate. Note some large tuffaceous fragments. Alteration as above.
	572.0 -Diabase dyke.
	573.5 -Shatter zone, as above.
	578.0
	578.0' Shatter zone, as above. Note numerous small trap dykes. Fault type zone similar to V-29. High alteration. Margarite rich. Chalcopyrite 2 - 3% throughout.
	650' -Chalcopyrite 3 to 5%. General shatter and high margarite zone. Fair core recovery, but zone does not seem to have body. Irregular fault zone type could be characteristic of a particular horizon. Margarite rich.
	677' -Diabasic or trap dyke.
	682' -Shatter as above. Low grade chalcopyrite, mineralisation chalcopyrite 3%.
	715'
	715' Shatter Zone - Rhyolite agglomerate. Quartz carbonate veinlets 35%. Chalcopyrite 1%. Low margarite. Granitic dykelets 10%. Gabbro 10%. Occasional trap dyke.
	778.0' -Porphyritic dyke or andesite band.
	780.0 -Rhyolite agglomerate, high quartz, as above. Chalcopyrite 1%.
	797'
	797.0' Red Tombstone granite, massive, even textured. Quartz veining 5%.
	804' -/Andesite or porphyritic diorite chilled against granite
	823'
	823' Shatter zone - rhyolite agglomerate. Quartz carbonate 35%. Chalcopyrite 2 - 3%. Some negligible margarite. Heavy quartz carbonate veining with some splashes of good chalcopyrite to end of hole.
	924.5' -End of hole.

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

Deepening of V-10
HOLE NUMBER:
X Wedged at 490'
DIP TESTS

LOCATION: Batchawana Bay, Ontario

Latitude: 300 N 2 W
Departure: 100 W
Elevation: 1012.62
Azimuth: N/A

Dip: 90 degrees
Depth: 493 - 924.5
Commenced: June 25, 1963
Finished: June 29, 1963
Logged by: D. Dickson

	Footage	Reading	Corrected
	723	88-00	88-00
Pajari 900'		Az. S 15 W	86-00

SAMPLE NUMBER	DESCRIPTION
	493.0 Granite (Red) 60%; Quartz and quartz carbonate 5%; Intrusions 35% 501.5 - 502.6 Reddish brown dyke with black phenocysts up to 1/8" X 1/4" 510.0
	510.0 Quartz and quartz carbonate 5%; Intrusions (grey chiefly) making 90% 547.9 Large splash of pyrite 561.1 - 563.4 Black, fine grained dyke ressembling gabbro with cube pyrite crystals and shot through with short(0.1') sections of quartz and quartz carbonate, and granite 571.6 - 573.6 Amphibolite with pyrite crystals 577.9 - 578.2 and Andesite dykes, medium grained, brownish grey 584.3 - 585.0 580.9 - 581.6 Andesitic dyke with cube pyrite crystals 648.0
	648.0 Quartz and quartz carbonate 30%; Intrusives(grey) 70% 676.4 - 681.6 Gabbro or amphibolite, dark grey medium grained with irregular seams and patches of quartz and quartz carbonate 700.0
	700.0 Quartz and quartz carbonate 5%; Intrusives(red, brown, grey and green) 95% 777.1 - 778.3 Granite, red, basement type, coarse grained, with quartz and quartz carbonate seams 778.3 - 779.7 Diabase Gabbro, dark grey, fine grained, with quartz and quartz carbonate seams 797.7
	797.7 Granite, red, medium grained, basement type 804.0 - 806.0 Diabase Gabbro , dark grey, fine grained 822.9
	822.9 Quartz and quartz carbonate 10% Intrusives(red, brown, grey and black) 90% 924.5
	924.5 End of Hole

SHEET NUMBER: Sample set for Wedging and deepening V-10 HOLE NUMBER: V-10

SAMPLE NUMBER	DESCRIPTION		Cu	dg
2186	514.3 - 517.6	3.3	0.37	
2187	530.0 - 531.0	1.0	1.35	
2188	578.2 - 582.2	4.0	1.61	2.09
2189	582.2 - 586.4	4.2	2.54	8.2' 0.43
2196	586.4 - 591.0	4.6	0.06	
2197	591.0 - 595.0	4.0	0.08	
2190	595.0 - 600.0	5.0	0.55	
2191	600.0 - 605.0	5.0	0.07	
2192	605.0 - 610.0	5.0	0.11	
2195	610.0 - 615.0	5.0	0.09	
2193	615.0 - 620.0	5.0	0.24	
2194	620.0 - 622.1	2.1	1.00	
2198	622.1 - 630.0	7.9	0.06	
2199	630.0 - 635.0	5.0	0.06	
2200	635.0 - 640.0	5.0	0.24	
2201	640.0 - 645.0	5.0	0.22	
2202	645.0 - 650.0	5.0	0.14	
2203	650.0 - 655.0	5.0	0.35	
2204	655.0 - 660.0	5.0	0.87	
2205	660.0 - 665.0	5.0	0.43	
2206	665.0 - 670.0	5.0	0.26	
2207	670.0 - 675.0	5.0	1.04	
2208	675.0 - 680.0	5.0	0.12	
2209	680.0 - 685.0	5.0	0.10	
2210	685.0 - 690.0	5.0	0.06	
2211	690.0 - 695.0	5.0	0.61	
2212	695.0 - 700.0	5.0	0.89	
2213	700.0 - 705.0	5.0	0.23	
2215	705.0 - 710.0	5.0	0.15	
2216	710.0 - 715.0	5.0	0.14	
2217	732.0 - 735.0	3.0	0.93	

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Sheet No. Sample Sheet (Supplementary) Hole No. V-10

	DESCRIPTION		
6269	271.6 - 276.6	5.0	0.48
6270	276.6 - 281.6	5.0	0.14
~~6271~~			
6271	340.5 - 345.5	5.0	0.08
~~6272~~			
6272	345.5 - 350.5	5.0	0.15
6273	451.0 - 455.0	4.0	0.10
6274	455.0 - 460.0	5.0	0.33
6275	460.0 - 465.0	5.0	0.10
6276	465.0 - 470.0	5.0	0.16
6370	910.0 - 912.5	2.5	0.21
6371	912.5 - 917.5	5.0	0.16
6372	917.5 - 922.5	5.0	0.35
6373	922.5 - 924.2	1.7	0.25

cc: Dr. Malouf

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: V-11

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 0-0	Dip: 90°	Footage	Reading	Corrected
Departure: 200E	Depth: 684	675	90°00	90°00
Elevation: 983.53	Commenced: November 9, 1962			
Azimuth:	Finished: November 13, 1962	Logged by: M. Blecha		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 14.0
	14.0 Granite. Pink, fresh and massive. 17.0
	17.0 Unidentified Weakly Magnetic basic Rock. Fine grained, dark grey, massive. Same as described in V-34. Sharp, upper contact at 80° c.n. Contains a 1.0' granitic section from 20.5-22.5. Hard, fresh and massive. 27.0 - As above, but highly shattered and chloritized. Fault? 29.0 - As at 17.0. Sharp lower contact at 30-40° c.n. 31.5
	31.5 Granite. Pink, fresh and massive. Note 0.8 highly siliceous banded zone at 65.5 at 50° c.n. Note fragmentation at 69.0-70.5. Few minor epidote stringers. 159.2 - Granite - slightly bleached. 164.0 - Granite, quartz-poor, syenitic in composition, fine-grained; 10% chloritized patches. 165.5 - Granite - slightly bleached, greyish-red, massive. 189.6
	189.6 Amygdaloidal Dyke. Fine-grained, dark grey, 5% greyish brown and white amygdule. Upper contact chilled at 45° c.n. 199.6 - Aplite porphyry - Sharp upper contact at 70° c.n., lower at 45° c.n. 200.7 - Amygdaloidal Dyke, as at 189.6. Sharp lower contact at 40° c.n. 211.3
	211.3 Granite. Greyish-red, locally, slightly fragmented, locally altered with patches of chlorite . 226.5
	226.5 Amygdaloidal Dyke. Very dark grey, very fine grained to aphanitic 2-3% reddish and grey amygdules. Contacts lost. 228.0 -
	228.0 Granite, as at 211.3. 270.0 - Granite - becoming patchy, with 25% dark, fine grained, slightly chloritized patches and streaks. 278.0 - As at 211.3. 279.5 - Granite, quartz-poor, syenitic in composition, 5% epidote, 10% chloritized patches. Epidotized lower contact.

DESCRIPTION

280.5

280.5 Magnetite - rich rock. Fine grained, grey, hard, massive, locally mottled. Same as in V-34. Less than 1% pyrite. Lower contact fragmented and epidotized, with red feldspathic alteration.
303.5 - Contact zone. Patchy, brick-red, and dark green, chloritic alteration syenitic in composition.
303.0

303.0 Granite. Sharp upper contact at 65° c.n. Medium grained, greyish pink, massive. Low patchy and streaky chloritization. Locally slightly fractured. Minor epidotization. Minor short aplitic phases.
345.0

345.0 Unidentified fine grained basic rock. Similar to that at 280.5, but only very slightly locally magnetic. Massive, grey, fairly hard, locally slightly chloritized. Spotted with 10-20% 1 inch chloritic rounded, pseudophenocrysts. Local mottling. Becomes hard, reddish and felsitic near end. Sharp lower contact at 60° c.n.
351.0

351.0 Granite. First few feet medium chloritized, and syenitic in composition. Becoming pink, massive, slightly altered, cut by 2-3% greenish-yellow, sericitized fractures and red feldspathic streaks. Quartz stringers 2-3%.
Note a 3" highly shattered and foliated (70°c.n.).
Highly chloritized basic dykelet at 390.6.
392.5

392.5 Medium brecciated zone. Medium alteration. Predominately granitic (75%) (earthy and chloritized). Quartz 25%.
400.6

400.6 Volcanic? - Fine grained, dark brownish grey, medium chloritized, mottled, foliated (45-55°). Chloritization increases to high from 401.5. Sharp lower contact parallel to foliation.
402.5

402.5 Granite - red - low alteration, cut by 10% quartz stringers, slightly foliated at 45° c.n. Cut by a 0.5' highly chloritized and foliated (70° c.n.); mottled basic rock at 408.5.
411.0 - Highly brecciated zone. Quartz 50%; highly chloritized granitic fragments 10%, associated with a 1" blob chalcopyrite (at 411.3); low alteration; granite 40%.
412.5 - Granite, as at 402.5.
415.0

415.0 Highly brecciated zone. High alteration. First 12" extremely chloritized and sericitized, shattered (fault?).
Note highly sericitized and earthy fracture at 75° c.n. at 417.0. Total quartz 40%.
418.0

418.0 Granite - massive, cut by 25% quartz stringers and veinlets. Low-medium greyish alteration and chloritization. Trace chalcopyrite. Cut by a 0.5' highly chloritized, massive trap dyke at 428.5.
429.0

429.0 Quartz-rich brecciated zone. Quartz 50%; highly chloritized basic dyke material 40%; granite 10%. Note a 2" chalcopyrite

DESCRIPTION

veinlet cutting across dyke material. 1-2% pyrite.
431.0

431.0 Brecciated granite. Medium alteration, low brecciation, cut by 10% quartz stringers. Some mineralization with minor chalcopyrite.
435.0 - Medium brecciated zone. High alteration. Predominately altered (chloritized and earthy granite)--50%. Quartz 20%; fine grained acidic fragments 10%; basic dyke material 10%. 1-2% chalcopyrite associated with quartz.
441.6 - Granite - pink, fresh and massive.
444.0

444.0 Mineralized zone. 6-7% chalcopyrite; 5% pyrite, associated with quartz in a highly brecciated zone. Medium-high alteration. Quartz 30%; granitic fragments 50%; basic 5%.
448.0

448.0 Medium brecciated zone. Medium alteration. Predominately granite 80%; sericitized and chloritized basic fragments and dykelets 10%; quartz 10%; 1% pyrite and chalcopyrite.
459.0 - As above, but alteration high; quartz 40%.
459.7 - Mineralized zone. 10% chalcopyrite; 10% pyrite, associated with quartz.
460.4

460.4 Granite - pink, fresh and massive. Note 1" chalcopyrite in a quartz stringer at 462.8, and a short mineralized zone with 10% chalcopyrite, 5% pyrite associated with quartz from 465.0-465.4.
465.7

465.7 Amygdaloidal Dyke. Fine grained, dark brownish grey, 5% rounded (1-3 mm.) white, reddish and brown amygdules. Cut by a 0.5 coarsely xalline quartz carbonate veinlet, a 1/2" granitic stringer and a narrow quartz carbonate stringer mineralized with trace pyrite and chalcopyrite. Near quartz, this dyke is highly chloritized and sericitized. Note contacts are not chilled.
470.0 - Granite - pink, fresh massive. Sharp contacts (45° c.n.) with this amygdaloidal rock, but age relationship is uncertain.
471.0 - Amygdaloidal dyke, as before. Sharp lower contact with a 1" quartz stringer with chloritized granitic fragments.
472.2

472.2 Granite - Pink, fresh, massive. Cut by 15% coarsely xalline quartz veinlets.
474.0

474.0 Medium brecciated zone. Medium alteration. Granite 50%; basic dyke material 15%; altered fine grained acidic 5%; quartz carbonate 30%; 1% pyrite and chalcopyrite. Note 1' highly altered (chloritized) brecciated zone at 481.0.
486.5

486.5 Granite - Pink, fresh amd massive. Minor 2" brecciation at 489.5.
493.0

493.0 Highly brecciated zone. ~~Highly xalline~~. High alteration. (chloritization and earthy alteration) Predominately granitic fragments (50%);

DESCRIPTION

altered basic and diabasic 10%; quartz carbonate 40%. Note extreme earthy alteration accompanied by swelling of core from 498.3-499.3 and from 501.0-502.5. Note blobs pyrite and chalcopyrite associated with quartz within these extremely altered phases. The core contains a relatively fresh and massive granite section from 503.0-504.0.
507.0 - Highly brecciated zone, as above, but alteration decreases to medium. 3% pyrite.
515.0 - Granite - pink, fresh and massive .
516.7 - Highly brecciated zone. Medium alteration. Granite 60%; quartz carbonate 25%; highly chloritized basic material 10%. Note 3" high earthy alteration of granite at 518.0. Note 1/2" chalcopyrite and pyrite stringers at 521.0.
521.1

521.1 Amygdaloidal Dyke. Grey, fine grained, medium-highly chloritized and sericitized, with 15-20% rounded angular pale brown and grey (1-7 mm.) amygdules. Some of these look like phenocrysts. The rock is also speckled with 5% lath-shaped (1-2 mm.) pseudophenocrysts. The rock might be an amygdaloidal porphyritic trachyte. Contacts obscured by quartz stringers.
523.0

523.0 Zone of high earthy alteration, accompanied by swelling. Predominately granite.15% quartz. Brecciated near end, with a 4" highly chloritized basic inclusion.
524.9

524.9 Brecciated granite. Low brecciation. Low-medium alteration. Quartz 20%. Note red, fresh granitic injection from 524.0-525.0.
530.5

530.5 Highly brecciated granite. High earthy alteration, core badly broken up. Note 1½" blobs chalcopyrite and pyrite associated with quartz at 530.8. Quartz 50%. Note 0.5 relatively fresh aplite at 535.5.
537.0

537.0 Medium brecciated zone. Low alteration. Predominately fine grained basic and fine-medium grained gabbroic rock 75%. Granite fragments 10-15%; quartz 10%.
547.6

547.6 Brecciated granite. Medium brecciation. Low alteration. Quartz carbonate 10-15%.
550.8

550.8 Gabbro. Medium grained, massive, low chloritization. Trace pyrite.
535.5

535.5 Brecciated granite, as at 547.6. Quartz 35%.
555.5

555.5 Gabbro, as at 550.8. Minor brecciated zones with quartz and granitic fragments at 558.0-559.0.
561.0-563.0 - Note blobs pyrite and chalcopyrite at 561.3.
565.2

565.2 Mineralized zone. 5% chalcopyrite and 1-2% pyrite in widely scattered blobs associated with quartz, within a low-medium altered, low brecciated granite. Note 2" mass chalcopyrite with an anguaar inclusion of basic material at 567.6.

	DESCRIPTION
	570.8 - Gabbro. Fine-medium grained, medium chloritized, cut by mineralized quartz carbonate stringers. Quartz carbonate 1-2%; chalcopyrite 1-2%; pyrite 1-2%. 573.3 - Brecciated granite. Quartz 10%. 574.3 - Gabbro. 1" chalcopyrite blobs in a quartz carbonate stringer at lower end. 575.5 - 1-2% chalcopyrite, 1-2% pyrite in widely scattered blobs associated with quartz in a medium brecciated zone. Low-medium alteration. Granite 65%; gabbro 20%; quartz carbonate 10-15%. Note dark grey, fine-grained, massive slightly foliated traps at 581.0 and 584.5. 586.6
586.6	Granite. Low alteration, pink; interrupted by 10% coarsely xalline quartz-rich zone. Note 0.8' highly sericitized greenish brown, foliated trap at 590.5. 595.0
595.0	Highly brecciated zone. High alteration. Quartz 25%; sericitized and chloritized granite 75%. 596.6 - As above, but alteration low. 597.7 - Diabase dyke, massive, medium chloritized. 598.5
598.5	Diabase dyke. Fine-medium grained, slightly chloritized, massive. 599.5
599.5	Brecciated granite. Quartz 25%; low alteration increasing to medium near end. Trace chalcopyrite. 603.0
603.0	Trap Dyke (?) - Volcanic? Dark grey, fine grained, low-medium chloritization. 605.6 - Mineralized zone. 2% chalcopyrite, 5% pyrite (coarsely xalline) in a quartz-rich zone. 606.1
606.1	Granite. Massive, low patchy chloritization. 5% quartz stringers. 613.0 - Medium brecciated zone. 50% quartz; 50% altered green, acidic, aphanitic fragments. 614.0
614.0	Diabase dyke. Fine to medium grained, highly chloritized. Good ophitic texture. Cut by a 0.5' highly chloritized pale brown basic dykelet near end. 616.5
616.5	Granite. Pink, fresh and massive. 620.6 - High earthy alteration. Note swelling of core. 621.8
621.8	Brecciated granite. Low-medium brecciation, high earthy alteration. Minor chalcopyrite associated with quartz. Quartz 15%. 629.0 - Alteration and brecciation decreases to low. 633.8
633.8	Medium brecciated zone. Medium alteration. Predominately granitic fragments and masses 70%; altered acidic fragments 10%; quartz carbonate 15-20%; chloritized fine-grained, basic fragments 5%; trace pyrite and chalcopyrite. The zone contains red, fresh and massive granitic "injections" from 655.0-656.5, 666.0-669.0 and 673.0-677.0.

DESCRIPTION

678.0

678.0 Highly brecciated zone. High alteration. Earthy and chloritized granite 80%; quartz 20%.
680.0 - Alteration decreases to medium.
681.0 - Highly brecciated zone, as at 678.0. Granite 40%; highly chloritized diabase 20%; quartz 40%.
683.0

683.0 Granite. Pink, relatively fresh, massive.
684.0

684.0 End of Hole.

Sheet No. 1. ASSAY RESULTS Hole No.V-11

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1341	430.0-435.0	5.0	1.17		
2	435.0-440.0	5.0	0.19		
3	440.0-445.0	5.0	1.39		
4	445.0-450.0	5.0	0.20		
5	450.0-455.0	5.0	0.34		
6	455.0-460.0	5.0	1.03		
7	460.0-465.0	5.5	1.05	1.37	
1380	529.0-532.0	3.0	1.45		
1725	532.0-540.0	8.0	0.19		
6	540.0-548.0	8.0	0.34		
7	548.0-556.0	8.0	0.08		
1381	556.0-561.0	5.0	0.64		
2	561.0-568.5	7.3	2.71		
3	568.5-574.0	5.5	0.33		
4	574.0-579.0	5.0	1.28		
5	579.0-584.0	5.0	0.46		
1386	602.0-606.0	4.0	0.45		
1387	622.0-627.0	5.0	0.56		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER: V-12

LOCATION: Batchawana Bay, Ontario DIP TESTS

				Footage	Reading	Corrected
Latitude:	400N	Dip:	90°	847	90°00	90°00
Departure:	200W	Depth:	847'			
Elevation:	1008.07	Commenced:	November 15, 1962			
Azimuth:		Finished:	November 20, 1962	Logged by:	M. Blecha	

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 14.0
	14.0 Medium brecciated zone. Low to medium alteration. Granitic fragments and masses 80%; basic dyke material 5%; acidic dyke 5%; quartz carbonate 5%. Minor blobs chalcopyrite between 59.0 and 61.0 and at 93.0. Note 2.5 foot fine grained pale grey dykelet at 138.0 and at 146.0 to 148.0. 187.5
	187.5 Brecciated zone. Medium to high alteration. 25% short, highly altered (earthy) zone or granite alteration, in a highly brecciated zone as above. Note 1/2 inch blobs chalcopyrite at 201.0. 207.5
	207.5 Highly altered zone. Extreme earthy alteration of granite core, 80% disintegrated; 5% quartz. 215.0
	215.0 Highly brecciated zone. Low to medium alteration. Low altered granitic fragments 50%; basic dyke material 15%; acidic fragments 5%; quartz carbonate 15%. Note 1/2 foot foliated (30° c.n.). Cr. mica-rich zone. Note 2' highly chloritized diabase dykelet at 285.0 and at 312.0 to 313.0. From 300, alteration gradually increases to medium. 324.0
	324.0 Zone of high alteration. Extremely altered (earthy) granite core totally disintegrated. The zone includes few short relatively fresh granitic sections. 335.5
	335.5 Highly brecciated zone, as at 215.0. Medium to high alteration. Quartz 15%. Note 5 foot disintegrated, altered granite at 398.0. 402.5
	402.5 Medium brecciated zone. Relatively low alteration. 60% relatively unaltered granite; 10% chloritized dyke material; 10% diabase fragments; quartz 5-10%. Cut by 1 foot aplite porphyritic dyke at 419.0. Cut by a 2.5 foot medium chloritized dyke at 420.5, and by a five foot syenite (?) dyke from 428.5 to 434.0. 451.0 - Granite, pink, fresh and massive. 453.2 - Brecciated zone. Cut by a 1.5 foot diabase dyke at 453.7 and by an aplite porphyritic dyke at 355.6 to 356.7. Quartz 10%. 460.5 - Highly brecciated zone. High alteration. 60% earthy and chloritized granite; 20% basic chloritized material; 10% quartz. Minor pyrite.

DESCRIPTION

478.0 - Highly brecciated zone, as above, but alteration decreases to medium.
509.0

509.0 Syenitic granite, relatively massive, consisting of 40% chloritized mafics and 60% pink feldspar; 2-3% quartz carbonate stringers. Note 5 inch brecciated zone with 60% syenitic inclusion in quartz carbonate mafics. Also note minor chalcopyrite in fractures.
516.5

516.5 Medium brecciated zone. Low-medium alteration. 70% granitic fragments and masses; 10% basic dyke fragments; 5% aplitic fragments; minor widely scattered chalcopyrite and pyrite blobs.
556.3

556.3 Amygdaloidal dyke. Dark brownish grey, fine-grained, with 5-7% red, pink and green amygdules (1-40 mm.). Contacts sharp and chilled 75° c.n. Near contacts, rock becomes greenish. Amygdules decrease in size and amounts. 2-3% calcite-filled fractures. Last 5 feet highly fractured.
610.5

610.5 Highly brecciated zone. Alteration medium. Granite 80%; diabase 10%; quartz 10%.
626.5 Mineralized

626.5 ~~Medium brecciated~~ zone. 7-8% chalcopyrite in widely scattered blobs associated with quartz in highly brecciated zone as above.
629.5 - Highly brecciated zone, as above, but decrease of chalcopyrite blobs to 1% with local concentration. Alteration medium to high. Quartz carbonate 15-20%.
682.0

682.0 Granite. Pink, fresh and massive, becoming slightly altered near end.
688.5

688.5 Highly brecciated zone. High earthy alteration of granite (90%); quartz carbonate 10%; 2% chalcopyrite, 2% pyrite. Note 1 foot quartz carbonate-rich zone at 700.0.
714.7

714.7 Mineralized zone. 7-8% blobs in a quartz-rich breccia zone (75% quartz). 10% highly altered rock.
717.3

717.3 Medium brecciated zone. High alteration. Green granitic fragments 75%. Relatively unaltered granite 15%; quartz carbonate 10%.
729.0 - Medium brecciated zone, as above, but alteration low to medium. Minor widely scattered blobs chalcopyrite throughout.
750.8 - Highly altered brecciated zone. Chloritic granite 75%; altered dyke material 10%; quartz 10%. Note 1/2 inch blob chalcopyrite at 750.8.
At 752.8 - a 4-inch mineralized zone with 50% chalcopyrite; 25% pyrite.
753.5

753.5 Highly brecciated zone. Medium to high alteration. Average size of fragments 2 inches. Granite 30%; diabase 15%; quartz carbonate 55%.

DESCRIPTION

777.0 - Medium brecciated zone. Highly chloritized diabase 80%; relatively fresh granite 10%; red acidic fragments 5%; quartz carbonate 5-10%.
783.3 - Granite. Pink, fresh and massive. 5-10% quartz.
788.3 - Syenitic granite, as at 509.0. Quartz carbonate stringers 10%; fresh granite intrusion 2%.
792.0 - Highly brecciated zone. Medium to high alteration. Relatively fresh granite 5%; highly altered granite 20%; syenitic granite 20%; altered dyke material 20%; quartz carbonate 30%.
800.5 - Granite. Pink, fresh and massive.5%. Quartz stringers. Minor highly altered zone. Note two 1-inch blobs chalcopyrite in a quartz-rich brecciated zone at 802.0.
809.0 - Medium brecciated zone. Medium alteration. Granite 60%; quartz carbonate 15%; diabase 10%; acidic fragments 5%; carbonate 2%. Widely scattered blobs pyrite and chalcopyrite (2-3%).
837.0 - Bregciated granite. Low to medium alteration. Low brecciation, 3-4%; disseminated pyrite; trace chalcopyrite Quartz carbonate 1-2%. Cut by a 1 foot chloritized diabase dyke at 843.2.
846.0 - Syenitic granite as at 509.0.

ASSAY RESULTS

Hole No. V-12

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1510	57.0-62.5	5.5	0.68		
1511	201.0-210.0	9.0	0.21		
2	210.0-221.0	11.0	0.11		
3	221.0-228.0	7.0	0.25		
1514	302.0-309.0	7.0	0.72		
1531	536.0-546.0	10.0	0.38		
2	546.0-555.0	9.0	0.11		
1533	611.5-615.0	3.5	0.28		
4	615.0-620.0	5.0	0.11		
5	620.0-625.0	5.0	0.15		
6	625.0-630.0	5.0	1.33		
7	630.0-635.0	5.0	0.11		
8	635.0-640.0	5.0	0.23		
9	640.0-649.0	9.0	0.08		
1540	649.0-654.0	5.0	0.53		
1	654.0-659.0	5.0	1.62		
2	659.0-664.0	5.0	0.11		
3	664.0-669.0	5.0	0.65		
4	669.0-674.0	5.0	0.28		
5	674.0-679.0	5.0	0.17		
6	679.0-684.0	5.0	0.13		
7	684.0-689.0	5.0	0.07		
8	689.0-694.0	5.0	0.37		
9	694.0-699.0	5.0	0.14		
1550	699.0-704.0	5.0	0.19		
1	704.0-709.0	5.0	0.13		
2	709.0-714.0	5.0	0.25		
3	714.0-719.0	5.0	0.90		
1556	719.0-724.0	5.0	0.36		
7	724.0-729.0	5.0	0.12		
8	729.0-734.0	5.0	0.16		
9	734.0-739.0	5.0	0.07		
1560	739.0-744.0	5.0	0.16		
1	744.0-749.0	5.0	0.19		
2	749.0-754.0	5.0	3.05		
1563	815.0-821.5	6.5	0.22		
4	821.5-828.5	7.0	0.21		
AVERAGES:					
	625.0-754.0	129.0	0.45		
	649.0-659.0	10.0	1.07		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: V-13

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude: 0-0	Dip: 90°	Footage	Reading	Corrected
Departure: 300E	Depth: 698	698	90°00	90°00
Elevation: 993	Commenced: November 14, 1962			
Azimuth:	Finished: November 19, 1962	Logged by: M. Blecha		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 10.0
	10.0 Granite - Medium grained, massive, greyish pink; 30-35% quartz; 10% chloritized mafics; 55-60% red feldspar. Contains several minor greyish bleached phases; 1-2% quartz stringers. 83.0
	83.0 Amygdaloidal Volcanics - Dark greenish grey, fine grained, massive, uniform, slightly chloritized, with 3-4% rounded pink and white amygdules (1-5 mm.). Upper contact broken, lower at 40° c.n. 1% pyrite; trace chalcopyrite in fractures. 93.0
	93.0 Felsophyre - Red, massive, fresh, with 10-15% quartz eyes and 5% green epidote spots. Sharp contacts at 35-40° c.n. 96.1
	96.1 Amygdaloidal Volcanics, as at 83.0. Lower contact lost. Note this succession (from 83.0-104.0) is identical with that encountered in V-34, V-11, V-31 and V-32 and correlation is unquestionable. 104.0
	104.0 Granite - Massive, as at 10.0, low chloritization and earthy alteration. Note medium altered zone to 166.0 from 161.0, with a 4" mineralized quartz carbonate zone at 165.0. Note 1-2" quartz stringers, mostly at 60° c.n. with minor chalcopyrite at 206.3, 207.3, 241.0, 265.0. Note quartz-poor, syenitic phase of granite from 236.0-238.0. 285.8 - 50% basic, fine grained, chloritized inclusions(?). Mineralized with 2-5% pyrite. 288.5 - Granite, as at 104.0. Minor irregular chloritizdd basic patches. 316.6
	316.6 Fault(?) 1" ~~seam~~ of high earthy alteration and complete disintegration at 50° c.n., with some introduced white carbonate. Followed by a 2" highly chloritized trap dykelet. 317.0
	317.0 Granite - Relatively fresh, massive, pink, as before. Note minor (few inches) zones of medium alteration accompanying patches of pyrite, between 320.0-323.0. Note minor chalcopyrite associated with quartz stringers at 325.5. 372.4
	372.4 Syenitic Granite - Pink, medium grained, slightly sericitized at first, massive. Less than 10% quartz eyes; 10-15% chlor'd mafics. Sharp upper contact at 50° c.n. Minor quartz stringers,

	DESCRIPTION
	with minor pyrite and chalcopyrite. 376.5 - Granite - Medium grained, pink, fresh and massive. 377.5
377.5	Volcanics (or trap?) Slightly magnetic, dark grey, fine grained, massive, slightly chloritized. Note development of few rounded soft chloritic pseudophenocrysts around 482.0. 1% pyrite in fractures. Contact sharp at 45° and 30° respectively. 383.0 - Red felsophyre. 10% quartz eyes; 10% epidote spots in a fine grained red matrix. Trace pyrite. Sharp contacts at 30° c.n.. 384.2 - Volcanics(?) (or trap?) - as at 377.5. Note granitic inclusion from 386.0-388.0, with a gradational lower contact ("digested" appearance); less than 1% hematite and carbonate stringers. Note - this above succession, from 377.5-397.0 can probably be correlated with V-32, 466.8-497.5. 397.0
397.0	Mineralized Zone. 3-4% chalcopyrite, 2-3% pyrite in widely scattered blobs and stringers, associated with quartz, in a highly brecciated zone. Medium-high earthy alteration and chloritization. Granite 60%; fine grained basic fragments 10%; medium grained diabase 5%; quartz carbonate 20-25%. Note extreme alteration and disintegration at 399.0-399.8. 418.2
418.2	Highly brecciated zone. Mineralization decreases to 1%; sulphides; alteration decreases to medium. Predominately fine grained basic fragments and dykelets (65%); granitic material 10%-15%; quartz carbonate 15%. 439.5
439.5	Granite - Pink, relatively fresh and massive. Note 1" seam of highly earthy alteration 10° c.n. at 446.0. 451.0
451.0	Zone of high earthy alteration. Granite almost complete disintegration, accompanied by swelling of core. No quartz, not brecciated. 458.7 - Highly brecciated zone. Extreme earthy alteration continues, but rock is highly brecciated and cut by 15% quartz; 10% highly chloritized basic fragments. Note earthy alteration and disintegration of fine grained basic material. 472.6 - As above, but alteration decreases slightly. 475.5 - Highly brecciated zone. High alteration, chloritization and earthy alteration of granitic fragments. Granite 70%; fine grained basic material 10%; quartz carbonate 20%. Note fragment of fine grained basic amygdaloidal rock at 483.6. Less than 1% chalcopyrite; 1% pyrite. 494.4
494.4	Highly brecciated zone. Alteration decreases to medium. Composition same as above. 2-3% chalcopyrite, in widely scattered blobs. 507.7
507.7	Granite. Low-medium chloritization, massive. 2-3% quartz carbonate. Note highly altered zone from 521.5-523.0, and 524.0-525.0.

	DESCRIPTION
	529.5
529.5	Mineralized zone. 7-8% chalcopyrite; 2-3% pyrite in widely scattered blobs in a highly brecciated zone. High alteration. Granite (earthy and chloritized) 70%; chloritized diabase (5%); quartz carbonate 25-30%.
	541.0
541.0	Granite - Massive, first 1.5' medium altered, becoming low altered (chloritized), greyish pink.
	555.0
555.0	Trap Dyke - Fine grained, dark grey, medium chloritized. Central part foliated at 60° c.n. Contains several relatively fresh, pink granitic inclusions. Upper contact sharp and chilled at 75° c.n., lower contact appears gradational over 1-2". Note quartz deficiency of granite at upper contact and reddish alteration.
	561.0
561.0	Granite - Medium chloritized, irregularly foliated. Note basic inclusion parallel to foliation with associated epidote at 563.0.
	567.0
567.0	Quartz vein, grey, fractured, with irregular chloritized granitic inclusions and chlorite along fracture planes.
	569.0
569.0	Granite - Medium chloritized, fractured and irregularly foliated. Note 1.0' trap highly chloritized at 571.5.
	574.5
574.5	Fault? High chloritization and earthy alteration. Minor carbonate. 60° c.n.
	575.0
575.0	Granite - Relatively massive, low alteration, contains several quartz-poor phases and minor zones of irregular foliation. Minor epidote. Note minor kaolinization of feldspar constituents near end. Note 0.7' quartz-rich brecciated zone at 599.0.
	601.5
601.5	Highly brecciated zone. Low alteration. Not a typical Breton Zone Breccia. 20% rounded and angular granitic and red felsitic fragments embedded in a fine grained, basic, carbonated matrix without intervening quartz. Size of fragments ranges from 1 mm. to 2". In first 0.5' the granitic fragments are embedded in quartz carbonate matrix. 602.5 - Diabase dykelet? Medium grained, medium chloritized cut by a 1.5" quartz carbonate zone.
	603.5
603.5	Brecciated Granite. Low brecciation, low alteration. Quartz 5%; trace chalcopyrite. Cut by chloritized diabase dykelets at 607.7-608.5, 611.7-612.4, 616.3-616.7. Note fine grained basic chloritized fragments (or dykelets) at 611.0-611.7 and 612.5-612.4.
	618.7
618.7	Highly brecciated zone. High alteration. Diabase 50%; granite 30%; quartz carbonate 20%; trace chalcopyrite.
	620.0
620.0	Granite - Massive, low alteration, cut by a 1.0' highly chloritized basic dykelet at 623.0.

DESCRIPTION

625.5

625.5 Medium brecciated zone. High alteration (chloritization and earthy alteration). Granite 70%; diabase 15%; quartz carbonate 15%; 1% chalcopyrite in widely scattered blobs. Note extreme earthy alteration at 635.0-636.0, and a highly chloritized and shattered trap(?) at 640.5-641.0; 1" chalcopyrite blobs at 626.5.
642.0 - Diabase dyke - Medium grained, medium-highly chloritized; 5% quartz carbonate.
642.5

642.5 Brecciated Granite. Low brecciation, low alteration. 5% quartz.
(636.5-637.5:
(Note: Mineralized Zone - 5% chalcopyrite associated with quartz in highly altered highly brecciated zone.)
651.5

651.5 Medium brecciated zone. Medium alteration. Granite 75%, and felsite 2%-5%; fine grained basic 5%; quartz carbonate 10%.
657.5

657.5 Granite - Low alteration, pink, massive. Note 50% fine grained, basic highly chloritized inclusions or dykelets at 661.5-662.5, and a 1.5' medium grained, highly chlor'd. diabase dykelet (inclusion?) at 663.5. Note contacts of dykelet dip in opposite directions; both 45° c.n.
666.5

666.5 Brecciated Granite. Low-medium alteration, low brecciation. 10% quartz, minor chalcopyrite, associated with quartz.
686.0

686.0 Granite - Massive, low alteration. 1-2% quartz stringers. Note minor kaolinization of feldspar constituents. Note 2.5' highly chloritized, massive diabase at 688.0.
698.0

698.0 End of Hole.

Sheet No. 1. ASSAY RESULTS Hole No. V-13

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1388	285.5-290.5	5.0	0.25		
1509	320.0-326.5	6.5	0.24		
1515	370.0-377.0	7.0	0.17		
1516	397.0-402.0	5.0	2.16		
7	402.0-407.0	5.0	0.94		
8	407.0-412.0	5.0	0.11		
9	412.0-418.5	6.5	1.79		
1520	418.5-427.0	8.5	0.54		
1733	427.0-429.5	2.5	0.08		
1524	480.0-485.0	5.0	0.49		
5	485.0-490.0	5.0	0.20		
6	490.0-495.0	5.0	1.95		
7	495.0-500.0	5.0	0.83		
8	500.0-507.5	7.5	0.70		
1529	529.0-535.5	6.5	3.45		
1530	535.5-541.5	6.0	1.12		

ASSAY RESULTS

Hole No. V-13

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1521	390.0-400.0	10.0	0.34		
2	400.0-410.0	10.0	0.36		
3	410.0-420.0	10.0	1.50		

DIAMOND DRILL LOG

PROPERTY: TRIBAG MINING CO: LTD. HOLE NUMBER: V-14

LOCATION: BATCHAWANA BAY, ONT.

Latitude: 3-00 N Dip: -90° DIP TESTS

Footage	Reading	Corrected
865.0'	90°	90°

Departure: 3-00 W Depth: 867.0 and 1077.0

Elevation: 1027.80 Commenced: Nov. 21-62 Sept. 10-63 Core size: AXT

Azimuth: --- Finished: Nov. 25.62 Sept. 12-63 Logged by: Matthew Blecha.

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 24.0
	24.0 Zone of Brecciation and Alteration. Essentially a brecciated granite. Bleached, pale greenish-pink. Low-med. earthy alteration. Original texture partly obscured by introduction of secondary qtz along fractures. The zone contains 20% pink rel. fresh, massive granite, 10% qtz-carb-rich breccia zones, 1 fragments of pink, hard, h. foliated fragments. 68.5 Alteration increases to high. Few massive 1" blobs of cpy in qtz-carb. zones (Total 5-7% cpy.) 82.0 Alteration med. Unaltered granite 5%, qtz-carb 10%, fragment of pink, hard, fol'd, fine grained material 10%. Tr cpy. 119.0 Trap dyke, contacts lost. 121.6 Brecciated granite, as before. Low-med. earthy alteration, qtz-carb. 10%. 145.0 Trap dyke. 146.0 Alteration high. Qtz-carb 15-20%. Includes 10% of completely disintegrated rock. 171.0
	171.0 Granite, rel. fresh, grey-pink. Qtz-carb. breccia zones 5%. Tr cpy. 199.6
	199.6 Breccia zone, heterogeneous rock. Grey volc. fragments 15%. Granite fragments and masses 50%. Qtz-carb matrix 25%, grey dyke material 5-10%. Minor cpy assoc'd with qtz. 238.0
	238.0 Granite, rel. fresh, massive. Irregular gradational upper contact. Qtz-carb. 5%. 252.0
	252.0 Zone of Brecciation and Alteration. As at 24.0. Qtz-carb 15%, includes 5% pink fresh massive granite sections. Med. earthy alteration. Less than 5% volc. fragments in qtz-carb. matrix. 322.0 Trap dyke, fine gr'd, contacts 40° to cn. 324.0 As at 252.2. Scattered blobs of cpy. Trace galena at 345.0. Qtz-carb. 15%. 378.6 Granite, fresh, pink. 388.6
	388.6 Fault Zone?. H. Brecciated, chloritized. Shearing at 70° to cn. 417.0

DESCRIPTION

417.0 Breccia Zone. Rock is becoming more heterogeneous. Dark fine grained volc. fragments. 20%. Med-low altered granite 50%, minor rhyolitic material, qtz-carb 25-30%, scattered blobs of py, minor cpy. 2' trap dyke at 399.4
443.2 Qtz stringer with 10% cpy.
444.0 Dyke, black, fine grained, h. chlorite.
449.0 Breccia zone, as before. Pink, low alt'd granite 50%, h. altered (earthy) granite 20%, volc. fragments 10%, felsite porphyry 5%, qtz-carb 10%.
487.0 Min'd zone, 7% cpy, 2-3% py in brecciated pink and green granite.
500.0 Breccia zone, as at 44 9.0, less than 1% cpy.
509.0 Trap dyke, dark grey, fine grained, 10° to cn.
510.0 Breccia zone, 80% med. altered granite, less ½% cpy. Qtz-carb 10%, volc. fragments 10%.
524.0 Trap dyke as at 509.0, 0° to cn.
526.0 Breccia zone, med. altered (earthy) granite 75%, qtz-carb 15%, volc fragments 10%. Minor cpy throughout.
565.4 Grey dyke, fine gr'd, pale grey, massive, 1% diss py. Contacts 0-10° to cn.
567.5 Breccia zone as before. 10% grey dykes (as at 565.4). Qtz-carb. 15%. Scattered cpy blobs.
606.0 H. altered (earthy) granite.
608.9 Qtz-rich zone(qtz80%) with brecc'd fragments of h. alt'd granite and 5% volc. material. Tr. cpy.
610.0 Breccia zone, h. altered granite 40%, volc and gabbroic fragments 40%, Qtz-carb. 20%.
629.0 Grey dyke, fine gr'd, massive, med. altered (sericite and chlorite), soft, pale grey, sharp contact, irregular obscur by qtz stringers.
633.0 Breccia as at 610.0
647.5 Grey dyke, pale grey, h. altered (chlor and sericite?) Contacts 30 and 60° to cn.
648.6 Breccia. H. altered (greenish) granite 30%, rel. fresh pink granite 20%, f. grained altered volc. (?) fragments and masses 10%, dyke material 5%, qtz-carb. 15%.
685.5 As above, but increase of qtz to 40% (1-2% carbonate only). High brecciation. No fresh granite.
720.0 Brecciated granite 40%, rel. fresh, pink granite 10-20% volc. fragments in a 20% qtz matrix.
722.0

722.0 Trap dyke, fine grained, h. chilled, sharp contact (irregular) at 70-80° to cn. Med. chlorite.
725.0

725.0 Shear Zone, a 3" highly sheared, h. chloritized rock 75-85o to cn.
725.3

725.3 Amygdoloidal Dyke (?), dark, reddish brown, fine gr'd, 5% white carb. and red amygdules (1-15mm.). Med. carbonatized, contain several minor slip fracture wtih well developed brecciation at 639.0, 642.0, 647.0 at 45-10° to cn.
752.0

752.0 Fault Zone (?), h. chlorite, minor serpentine along striated fractures at 85-90° to cn. H. carbonatized.
757.0

DESCRIPTION

757.0

757.0 Amygdaloidal Dyke as before. Slip planes at 760.0. Medium chlorite.

772.0

772.0 Fault Zone (?) Highly fractured, h. chlorite, medium carbonated, mostly at 80 - 90° c.n.

781.5

781.5 Amygdaloidal dyke - as before. Still slightly fractured. Very sharp, chilled. Lower contact at 90° c.n.

787.0

787.0 Min'd Zone - 3% chalcopyrite in a h. chloritized, quartz rich (15%) trap dyke(?), sheared and brecciated, at 788.5

789.0

789.0 Brecciated granite - 80% pink, relatively fresh granite, interrupted by 5% of sharp quartz into brecciated zone. Volcanic fragments 10-15% (mainly near beginning).

807.0

807.0 Zone of brecciation and alteration, as at 417.0. 50% med. h. altered (earthy) granite, 10% relatively unaltered granite, quartz 20%, carb. 2-5%, volcanic fragments 10%. Minor py. and cpy.

867.0 - End of Hole.

687.0 - Zone of brecciation. 60% m.-h. altered granite, 10% volc. 10% dyke material. 20% quartz carbonate. Minor cpy. and py.

923.0 - Grey dyke, pale cpy., fine gr'd., massive, h. sericitized. (1.5% cpy. 1% py.) Contacts lost. Med. carb'd.

937.5 - Pink, med. gr'd. fresh, massive granite. Slightly foliated. 70° c.n. from 942.0. Contains a fine gr'd. py.

Inclusion (?) fine volc. material (gradational contact) from 943.0 - 945.0. Bleached and h. altered from 948.5-951.0.

957.6 - Brecciated zone. 60% quartz with relatively small (1/4"-3") angular inclusions of fresh and altered granite and f. gr'd. altered volcanic material.

969.4 - Granite, fresh massive

971.0 - Grey dyke. Quartz rich at upper contact. F. gr'd. 10% quartz, 2-3% disseminated pyrite. Contacts lost.

977.7 - Brecciated zone. Heterogenous rock. 5-7% relatively fresh granite, 25% altered granite, 30% fragmental volcanic and dyke material. 30% quartz. carb.

1055.5 - Brecciated granite. Pink, relatively fresh, but with 5% introduced quartz, and 5% embedded volc. fragment med. epidotized.

1077.0 - End of Hole.

Sheet No. 1. ASSAY RESULTS Hole No.V-14

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
5858	40.0-45.0	5.0	0.07		
9	45.0-50.0	5.0	0.02		
5860	50.0-55.0	5.0	0.11		
1	55.0-60.0	5.0	0.10		
2	60.0-65.0	5.0	0.05		
3	65.0-69.0	4.0	0.07		
1565	69.5-77.5	8.0	2.62		
5864	82.5-87.5	5.0	0.04		
5	87.5-95.0	7.5	0.03		
6	95.0-100.0	5.0	0.20		
7	100.0-105.0	5.0	0.06		
8	105.0-110.0	5.0	0.05		
9	110.0-115.0	5.0	0.03		
5870	115.0-120.0	5.0	0.06		
1	120.0-125.0	5.0	0.07		
2	125.0-130.0	5.0	0.06(0.53)		
3	130.0-135.0	5.0	0.05		
4	135.0-140.0	5.0	0.05		
5	140.0-145.0	5.0	0.04		
6	145.0-150.0	5.0	0.05		
7	150.0-155.0	5.0	0.06		
8	155.0-160.0	5.0	0.05		
9	160.0-165.0	5.0	0.10		
5880	165.0-170.0	5.0	0.03		
1614	254.5-264.5	10.0	0.58		
5	264.5-274.5	10.0	0.27		
6	274.5-284.5	10.0	0.18		
7	284.5-294.5	10.0	0.18		
8	294.5-304.5	10.0	0.15		
9	304.5-314.5	10.0	0.26		
1620	314.5-324.5	10.0	0.14		
1	324.5-330.0	5.3	0.42		
2	330.0-336.0	6.0	0.19		
3	336.0-342.0	6.0	0.19		
4	342.0-352.0	10.0	0.31		
5	352.0-362.0	10.0	0.08		
6	362.0-375.5	13.5	0.24		
1627	391.0-401.0	10.0	0.22		
8	401.0-411.0	10.0	0.24		
9	411.0-421.0	10.0	0.16		
1630	421.0-431.0	10.0	0.38		
1	431.0-438.0	7.0	0.08		
2	438.0-444.5	6.5	0.32		

ASSAY RESULTS

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1633	497.0-503.0	6.0	0.78		
4	503.0-510.0	7.0	0.27		
5	510.0-520.0	10.0	0.26		
6	520.0-530.0	10.0	0.28		
7	530.0-540.0	10.0	0.31		
8	540.0-550.0	10.0	0.37		
9	550.0-560.0	10.0	0.10		
1640	560.0-570.0	10.0	0.25		
1	570.0-580.0	10.0	0.25		
2	580.0-590.0	10.0	0.21		
3	590.0-600.0	10.0	0.45		
1645	600.0-605.0	5.5	0.43		
1644	639.0-647.5	8.5	0.56		
2058	788.0-789.0	1.0	1.22		0.76
6062	807.5-810.0	2.5	0.14		
3	810.0-815.0	5.0	0.26		
4	815.0-820.0	5.0	0.15		
5	820.0-825.0	5.0	0.03		
6	825.0-830.0	5.0	0.26		
7	830.0-835.0	5.0	0.10		
8	835.0-840.0	5.0	0.11		
9	840.0-845.0	5.0	0.05		
6070	845.0-850.0	5.0	0.05		
1	850.0-855.0	5.0	0.12		
2	855.0-860.0	5.0	0.06		
3	860.0-862.0	2.0	0.03		
5883	863.3-867.0	3.7	0.08		
4	867.0-870.0	3.0	0.74		
5	870.0-875.0	5.0	0.21		
6	875.0-880.0	5.0	0.33		
7	880.0-885.0	5.0	0.19		
8	885.0-890.0	5.0	0.07		
9	890.0-895.0	5.0	0.20		
5890.	895.0-900.0	5.0	0.34		
1	900.0-905.0	5.0	0.37		
2	905.0-910.0	5.0	0.26		
3	910.0-915.0	5.0	0.12		
4	915.0-920.0	5.0	0.07		
5	920.0-925.0	5.0	0.21		
6	925.0-930.0	5.0	0.46		
7	930.0-935.0	5.0	0.67		
8	935.0-937.5	2.5	0.06(0.53)		

ASSAY RESULTS

Hole No. V-14

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
5899	965.5-970.5	5.0	0.05		
5900	970.5-975.5	5.0	0.26		
6001	975.5-980.5	5.0	0.19		
2	980.5-985.5	5.0	0.18		
6007	990.0-1000.0	10.0	0.11		
6003	1009.0-1014.0	5.0	0.03		
4	1014.0-1019.0	5.0	0.05		
5	1019.0-1024.0	5.0	0.13		
6	1024.0-1029.0	5.0	0.18		

AVERAGES:

40.0-77.5	37.0	0.62
82.5-170.0	87.5	0.06
254.5-375.5	120.8	0.24
391.0-444.5	53.5	0.23
497.0-605.0	108.5	0.31
807.5-862.0	54.5	0.12

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: V-14

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 3+00N — Dip: 90°00 — Footage — Reading — Corrected

Departure: 3+00W — Depth: Deepened 867.0-1076.0

Elevation: 1027.80 — Commenced: September 10, 1963

Azimuth: —— — Finished: Septembe r 12, 1963 — Logged by: Ross Shields

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 24.0
	24.0 Shatter Zone of medium intensity, calcareous throughout. Quartz carbonate 5-10% slightly vuggy in part. Greenstone (volcanics) 2%. Granite 90%; altered and/or decomposed in part, bleached to light greenish pink in major part, crumbly on exposure to air in a few places, epidotization seeming to give the greenish colour. 24.0 Light bleached pinkish grano-fragmental resembling Dr. Malouf's rhyolite breccia. 45.0 More pinkish red massive type granite shatter. 51.0 Light pinkish bleached granite shatter as at 24. 67.0 Greenish pink altered and/or decomposed granite; brecciation a little stronger. 68-76 Fairly well mineralized 1.4-2% Cu., several massive 1-inch - 2-inch spots chalcopyrite. A few strongly altered lighter coloured (rhyolite and tuff?) volcanic fragments. Zone is lightly mineralized throughout with .2 - 4% Cu. as fine disseminated and veinlet concentrated sulphide with superposed highs from 1/2-inch to 2-inch spots. 174.0
	174.0 Red Granite Zone of intermediate shatter. Quartz carbonate 5-10%; greenstone (volcanics) 2-3%. Red Granite 90%; note arkosic appearance of granite with a few white spot bleached feldspar grains. 200.0
	200.0 Greenish to pink shatter zone as at 67. At 277, note greenish malachitic steatized tuff fragments (i.e. effervesces with cold HCl.) also at 307.2, note malachitic steatized tuff. 310.0 Buff to taupe coloured dyke, felsophyre, aphanitic and massive with conchoidal fracture, strongly epidotized feldspar phenocrysts 1/8 - 3/8 inches in size. 313.0
	313.0 Greenish zone of mild shatter as at 67. Quartz carbonate, slightly vuggy in part 5-10%. Greenstone (volcanics) 7-10%. Granitic fragments 80-88%; greenish in colour and in part pinkish, in part decomposed (kaolinized) and/or hydrothermally (altered) margaritic.

DESCRIPTION

383.5 Massive red granite grain size 1/10 - 1/4 inch.
388.0 Shatter Zone as at 313.0.
444.5 Strongly amphibolitized diabase-gabbro? more likely tuff.
449.0 Greenish grano shatter as at 388.
451.8 Greenish pink to buff dyke, as at 310.
455.5 Dyke is intruded by shatter material as at 449.0.
456.0 Greenish pink dyke as at 451.8.
456.8 Shatter zone as at 449.0.
477.0 Crumbly buff to greenish granite, decomposed (kaolinized?) and/or hydrothermally altered (margaritic).
480.0 Shatter Zone as at 449.0 with minor amounts of pinkish granitic fragments.
513.0 Basic fragment andesitic? or dyke of diabasic composition.
Greenish Zone of mild shatter continued.
515.0 Shatter Zone as at 449.0.
524.0 Basic fragment as at 513.0.
526.0 Shatter Zone as at 449.0.
565.0 Basic fragment, andesite? or dyke?, fine grained to aphanitic, medium greenish grey massive with 1/10" spots of disseminated pyrite throughout.
567.0 Shatter Zone as at 449.0.
629.5 Calcareous banded tuff, light buff to green irreg. contacts against quartz carbonate material hence it may be a fragment.
633.0 Shatter Zone as at 449.
670.0 Shatter Zone as at 449 and notable because some 80% of fragments of all rock types are in the small size range less than 2 inches in major dimension.
723.0 Andesite with calcareous tuffaceous upper and lower margins and amygdaloidal white spots some of which are calcareous in the centre, ground mass is fine grained and aphanitic and massive dark grey green.
A few rounded granitic fragments 1/4 - 2 inches are also frequent (some of which are calcitized) as rolled-in inclusions in an andesite? or possibly in tuffaceous lenses in multiply interlayered tuff and andesite?
Lower contact is with an impure grey green granite which could be arkosic with dark grey green colour resulting from sifting in of tuffaceous, finer into an arkosic sedimentary basin.
789.0
789.0 Zone of medium shatter.
Volcanic fragments 15%; quartz carbonate 4%; granite 81%; in part tinged greenish with some pink zones and very little red massive granite.
Zone of medium shatter continued.
Zone is lightly mineralized throughout with .15-.20%Cu. Content as randomly disseminated chalcopyrite (and associated pyrite) and higher concentrations in places of coarser 1/4 - 1 inch spots of chalcopyrite giving perhaps one five foot sample in 7 or 8 assaying .5 - 1.5%Cu.
890.0 Decomposed (kaolinized) and/or hydrothermally altered (margaritic) greenish tinged impure granite.
922.0 Shatter zone as at 789.0.
1077.0 - End of Hole.

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Sheet No. Sample Sheet (two) Hole No. V-14

DESCRIPTION

5858	40.0 - 45.0	5.0
5859	45.0 - 50.0	5.0
5860	50.0 - 55.0	5.0
5861	55.0 - 60.0	5.0
5862	60.0 - 65.0	5.0
5863	65.0 - 69.0	4.0
5864	82.5 - 87.5	5.0
5865	87.5 - 95.0	7.5
5866	95.0 - 100.0	5.0
5867	100.0 - 105.0	5.0
5868	105.0 - 110.0	5.0
5869	110.0 - 115.0	5.0
5870	115.0 - 120.0	5.0
5871	120.0 - 125.0	5.0
5872	125.0 - 130.0	5.0
5873	130.0 - 135.0	5.0
5874	135.0 - 140.0	5.0
5875	140.0 - 145.0	5.0
5876	145.0 - 150.0	5.0
5877	150.0 - 155.0	5.0
5878	155.0 - 160.0	5.0
5879	160.0 - 165.0	5.0
5880	165.0 - 170.0	5.0
5883	863.3 - 867.0	3.7
5884	867.0 - 870.0	3.0
5885	870.0 - 875.0	5.0
5886	875.0 - 880.0	5.0
5887	880.0 - 885.0	5.0
5888	885.0 - 890.0	5.0
5889	890.0 - 895.0	5.0
5890	895.0 - 900.0	5.0
5891	900.0 - 905.0	5.0
5892	905.0 - 910.0	5.0
5893	910.0 - 915.0	5.0
5894	915.0 920.0	5.0
5895	920.0 - 925.0	5.0
5896	925.0 - 930.0	5.0
5897	930.0 - 935.0	5.0
5898	935.0 - 937.5	2.5
~~5899~~	~~937.5 XXX~~	

Sheet No. Sample Sheet (Three) Hole No. V-14

DESCRIPTION

5899	965.5 - 970.5	5.0	
5900	970.5 - 975.5	5.0	E 0.5
6001	975.5 - 980.5	5.0	
6002	980.5 - 985.5	5.0	
6003	1009.0 - 1014.0	5.0	
6004	1014.0 - 1019.0	5.0	
6005	1019.0 - 1024.0	5.0	
6006	1024.0 - 1029.0	5.0	
6007	990.0 - 1000.0	10.0	Sludge

Sludge foam dessicated for possible floatation loss of sulphides.

D.V.D

DIAMOND DRILL LOG

PROPERTY: TRIBAG MINING CO. LIMITED.

HOLE NUMBER: V-15

LOCATION: BATCHAWANA BAY, ONT.

Latitude: 4-00 N

Dip: -90°

Departure: 3-00 W

Depth: 843.0 - 1227.0'

Elevation: 1015.46

Commenced: Nov. 22-62
July 4-63

Azimuth: -----

Finished: Nov. 27-62
~~July 10-63~~

DIP TESTS

Footage	Reading	Corrected
Acid 843.0'	88°30'	88°30'
Paj. 1125.0'	S32°E	87°

Core size : AXT

Logged by: Matthew Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 24.0 24.0 Zone of Brecciation and Alteration. Essentially a granite. Whitish green with med-high earthy alteration. Short, 1-3', altered granitic masses interrupted by zones of brecciation in very fine to very coarse grained fragments of altered granite are interbedded in a qtz-carb. matrix. Total qtz 15%, carb. 2-3%. Occ. minor blobs of cpy in qtz. 67.0 Pink, rel. fresh, med. grained, massive, granite. 71.0 Med. earthy alteration with 25% rel. unaltered granite. 78.0 5% cpy, 1-2% py (in few blobs) in a white h. brecc'd qtz-carb. zone. qtz-carb., 50%. Few patches of Cr.-mica. 91.0 Decrease in mineralization to tr. cpy, 1-2% py. 101.0 Brecciated granite. Pinkish pale green, low-med. altered granitic masses, (40-50%) interrupted by 40% qtz-carb. breccia zones, with 5% pale green, soft, fine grained h. altered fragments. 152.0 3-foot fragment of dark fine grained h. sil. volc. (?) rock 155.0 Same as at 101.0 205.0 1.5-foot fragment of dark green, f. grained, schistose volc (?) rock. 206.5 As at 101.0 Blobs of cpy and py and galena at 210.0. Qtz-carb. 15%. 232.7 Qz-carb. 25%, less than 0.5% cpy. 244.6 As 101.0 261.5 Qtz-carb. 60%, with large fragments of h. altered earthy granite. less than ½% cpy. 271.5 Bleached granite. Med-h. earthy alteration, foliation 40° to cn. 272.5 Fragment of amygdaloidal volcanics. 274.0 Brecciated m-h. altered granite as before. Qtz-carb. 20%. Volc. and gabbroic material 10-15%. 375.3 1% cpy, qtz-carb. 40%. Specks galena. 380.3 Brecciated granite. Med. alt'd granite 60%, volc. fragments, 20%, qtz-carb. 10-15%; rel. fresh granite 10%. 447.0 Fault zone ?, high chlorite, high earthy alteration, shearing at 70° to cn. The rock is parti-totally disintegrated. The zone includes a h. chlor'd basic dyke from 457.3-460.3, and a 0.7' section of amygdaloidal volc. at 465.2. 466.5

DESCRIPTION

466.5 Granite becomes rel. fresh, bleached, with 5% pink sections. Interrupted by 10-15% qtz-carb. breccia zones with 5% volc. fragments. Minor widely scattered blobs of cpy.
606.0 Earthy alteration of granite increases to med., with a seemingly corresponding increase of cpy (1%) assoc'd with qtz-carb. breccia zones (10%)
657.4 Diabase dyke, massive, fine grained. 1-2% py, Tr. cpy. Contacts at 55 and 10° to cn. Contains a 1 foot med. altered inclusion of greenish granite.
662.7 As at 606.0 - Qtz-carb. 10% with minor cpy, locally concentrated.
695.4 qtz-carb. vein with 2% cpy.
696.3 As at 606.0, qtz-carb. 10-15%, minor cpy.
727.6

727.6 Breccia Zone - Agglomerate?, a highly heterogeneous greenish-grey rock consisting of 25% angular fragments (1mm-4") of fine grained volc.'s; h. altered, green, soft granite (50%), minor gabbroic fragments. Qtz-carb. 25-30%.
763.0 Lost core.
766.0 As 727.6
769.0 Lost core.
771.0 As 727.6
808.0 Abundant (80%) granitic segments (injections?). Low alteration
830.0 as at 727.6, but with 10-15% Cr.-mica.
843.0

843.0 END OF HOLE

DEEPENING

843.0 Breccia Zone - (Agglomerate?), a highly heterogeneous rock, consisting of 30% pink rel. massive and fresh granite, 20% med.-high altered (earthy) greenish-pale granite, 20% qtz-carb. matrix, 30% h. altered f. grained, greenish volc. material, and minor gabbroic fragments. The angular fragment vary in size from few mm. to 5-6" and are mostly embedded in the qtz matrix. Few are completely enclosed in granitic material. Diss. py throughout.
936.0 85% fresh pink granite, cut by a ½' aplite dykelet. 10% qtz stringer and veinlets.
948.0 Min'd zone, 3% cpy in med. altered brecciated granite, 5% qtz-carb.
958.3 Brecciated granite, med. altered, pale green, 40% qtz-carb.
967.2 Diabase dyke, fine-med. grained, massive. Few red feldspathic inclusions, 5% diss. py. Contacts obscured by qtz.
974.2 Breccia zone as at 843.0, 20% fresh pink granite, 30% med. altered green granite, 25% qtz, 25% volc. fragments.
1005.3

1005.3 Min'd Zone, 5-6% cpy, 5-7% py in slightly brecciated altered granite, 10% qtz.
1012.7

1012.7 Granite, med. grained, pink, fresh, massive. Spotted with random of scattered white subhedral feldspar phenocrysts, less than 5%, cut by few minor aplite dykelets. Less than 5% mafics.
1069.0 Bleached and med. altered, soft.
1080.0 As at 1012.7
1174.8 Trap dyke, fine grained, contacts 70° to cn.
1178.4 As at 1012.7, last 0.5' bleached and altered.
1198.4

1198.4

DIAMOND DRILL LOG

Deepening of V-15

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER:

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude: 400 N	Dip: 90 degrees	Footage	Reading	Corrected
Departure: 300 W	Depth: 843 then 1227.0	843	88-30	88-30
Elevation: 1015.46	Commenced: July 4, 1963	Pajari 1125, S 32 E		87°
Azimuth: N/A	Finished: July 10, 1963			

Logged by: J. Walker & D. Dickson

SAMPLE NUMBER	DESCRIPTION
	843.0 - Mainly altered, fine grained basic rock with altered granitic bands. 5% Pyrite 860.0
	860.0 Altered granitic rock with occasional basic and granitic fragments. Quartz Carbonate 5% 885.0
	885.0 More broken than above. Granitic rock in bands and fragments 30%; Basic rock 60%; Quartz Carbonate 5% - 10% in stringers and matrix. 2% pyrite 919 Agglomerate 921.3 - 922.8 Angular dark fragments in red granite 923.0 - 923.5 Felsite Dyke 903.7 and 904.2 Small patches of chalco 926.6
	926.6 Granitic rock, altered, generally salmon pink colour, medium grained, some reddish sections not altered. Some sections with green alteration, sericitic or epidote Quartz Carbonate Fragments of basic rock and granitic rock 948 - 953 Good chalco 3% Copper 953 - 961 Basic bands 70% with 10% pyrite 964 Fragments of rhyolite material 967.6
	967.6 Basic rock, gabbroic, fine grained, dark, some greenish sections. Pyrite in stringers and seams 968.5 Few 1" red felsite seams 974.0
	974.0 Breccia Zone with occasional band of altered granite. Basic sections and fragments 40%; Altered granite 30% remainder Quartz Carbonate veins and filling in breccia occasional blob of pyrite - also disseminated 1006.3 - 1012.9 1012.9
	1012.9 Red granite, medium grained, brick red colour with white quartz spotting prominent with horneblend or mica also prese Occasional 1½" quartz stringers or 1" felsite dyke Fine disseminated chalco at intervals too great to warrant sampling.

SAMPLE NUMBER		DESCRIPTION
		1017.3 - 1018.0 5% chalco in granite
		1068.0 - 1080.0 Altered granite becoming kaolinized from 1073. Sulphides 5% - occasional grains of chalco
		1132 1" felsite, red colour
		1147.3 ½" fault zone, 30 degrees to core, sericite 5% pyrite
		1174.6
	1174.6	Basic dyke, fine grained, dark, slightly chloritic, gabbroic?
		1178.5
	1178.5	Granite, red, course grained, basement type
		1198.5
	1198.5	Psuedo-Amygdaloidal dyke, probably andesitic, with multi-coloured fragments and phenocysts from 1/16" to 1/2" in diameter with sharp, angular corners
		1214.0
	1214.0	Granite, red, course grained, basement type
		1227.0
	1227.0	End of Hole

Sample List

		% Cu
2410	902.4 - 905.0	2.6
2411	948.0 - 953.0	5.0
2412	953.0 - 958.2	5.2
2438	1005.3 - 1012.8	7.5
2439	1012.8 - 1018.9	6.1

DESCRIPTION

1198.4 Amygdaloidal dyke, 10% rounded, red, white and brown amygdules. Well chilled contacts at 55-65° to cn.
1219.0
1219.0 Granite, as at 1012.7
1227.0
1227.0 END OF HOLE

ASSAY RESULTS

Sample Number	Section of Hole From:	To:	Sample Length	Ag	Cu
1587	34.0	42.0	8.0		0.42
8	42.0	50.0	8.0		0.26
1589	78.5	90.5	12.0		1.50
1590	90.5	98.0	7.5		0.16
1	98.0	105.0	7.0		0.28
6636	209.2	210.2	1.0		0.40
6638	232.8	233.9	1.1		1.02
6639	242.4	244.6	2.2		0.38
6640	261.5	262.7	1.2		0;34
6641	344.0	345.0	1.0		0.53
6642	377.3	380.3	3.0		0.27
6661	386.0	387.2	1.2		0.33
1592	550.0	560.0	10.0		0.32
3	560.0	570.0	10.0		0.16
4	570.0	580.0	10.0		0.28
5	580.0	590.0	10.0		0.10
6	590;0	597.5	7.5		0.24
7	597.5	605.5	8.0		0.08
8	605.5	615.0	9.5		0.36
9	615.0	625.0	10.0		0.42
1600	625.0	635.0	10.0		0.28
1	635.0	645.0	10.0		0.83
2	645.0	655.0	10.0		0.45
3	655.0	665.0	10.0		0.18
4	665.0	675.0	10.0		0.38
5	675.0	685.0	10.0		0.40
6	685.0	695.0	10.0		0.24
7	695.0	705.0	10;0		0.54
8	705.0	715.0	10.0		0.30
9	715.0	725.0	10.0		0.17
1610	725.0	735.0	10.0		0.22
1	735.0	745.0	10.0		0.12
2	745.0	755 .0	10.0		0.51
3	755.0	765.0	10.0		0.26
1750	817.0	827.0	10.0		0.04

Hole No. V-15

DESCRIPTION

2410	902.4	905.0	2.6	0.18
2411	948.0	953.0	5.0	1.38
2	953.0	958.2	5.2	0.35
2438	1005.3	1012.8	7.5	1.25
9	1012.8	1018.9	6.1	0.25

SLUDGE RESULTS

1650	20.0	30.0	10.0	0.27
1	30.0	40.0	10.0	0.76
2	40.0	50.0	10.0	0.69
3	50.0	60.0	10.0	0.32
4	60.0	70.0	10.0	0.32
5	70.0	80.0	10.0	1.61
6	80.0	90.0	10.0	1.28

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited. HOLE NUMBER: V-16

LOCATION: Batchawana Bay, Ontario. DIP TESTS

Latitude: 200N Dip: 89° Footage Reading Corrected

Departure: 200 W Depth: 838'

Elevation: 1015.13 Commenced: Nov 26, 1962.

Azimuth: Finished: Dec. 1, 1962. Logged by: M. Blecha.

AMPLE UMBER	DESCRIPTION		
	0.0 Casing 22.0		
	22.0 Brecciated zone. Hetero geneous rock, medium brecciation. 55% low to medium altered granite, 25% fine grained dyke and volcanic fragments, 20% quartz carbonate. Minor py and cpy blobs. 39.0 Diabase dyke, medium grained, massive, cut by a 2" quartz stringer with embedded granitic and basic fragments. 41.5 As at 22.0, but granite predominates (75%), quartz 15%, volcanics 10%. 57.0 Trap dyke, dark greenish grey, fine grained, massive. 63.0		
	63.0 Zone of alteration. Highly chloritized and sheared (90° cn) basic dyke, sharp lower contact at 45° cn. 66.0		
	66.0 Granite, first ½ foot relatively fresh, gradually becoming highly altered, chloritized. Basic dyke contact parallel to core from 69.0 to 70.0. 71.0 Shearing at 70° c.n. in an altered granite. Note 1" blobs massive sulphur (20% cpy, 80% po) at 71.3. 71.4 Highly altered granite, locally brecciated. 75.0 Diabase dyke, extremely chloritized and seritized. 76.0 Brecciated granite, still highly altered and brecciated. Alteration decrease gradually from 81.0 down. 81.0 Brecciated granite, medium altered, 5% volcanics, 10 - 15% quartz carbonate. 92.5 Gabbroic dyke, medium grained, massive, medium chloritized. Felsitic red inclusions in centre. Sharp upper contact. 96.1 Brecciated granite, medium to high earthy alteration, 10 - 15% quartz carbonate, 5% basic inclusions. 106.5 Massive, fresh, pink granite. 113.6 Breccia. Heterogeneous rock, medium brecciation, low to medium alterations. 50% granite, 25% basic volcanics and dyke fragments, 25% QC. Blobs cpy at 140.3. 135.6 Massive granite, as at 106.5. 154.0 Trap dyke, sharp upper contact at 10° c.n. 154.8 Brecciated granite. Quartz 15%. 155.9 Diabase dyke. Fine to medium grained, massive. Upper contact 30° c.n., lower contact brecciated. 159.6 Brecciated granite. Low alteration, low brecciation. Contains 15% diabasic fragments, 10% aplitic fragments.		

DESCRIPTION

168.2 Dyke, fine grained, grey, medium carbonatized, fairly hard, less than 5% fine pale amygdules (?) pseudophenocrysts? Sharp, irregular, chilled contacts.
173.0

173.0 Brecciated zone, 75% relatively fresh granite, 5% volcanic fragments, 10% quartz.
173.0 Highly altered (earthy) zone, partly disintegrated core. Highly brecciated, sheared (fault).
173.3 Brecciated granite (80%) 5% volcanics, 15% quartz.
184.6 Zone of high alteration. Highly chloritized, fine grained, brecciated basic rock, (dyke?). Core broken up at 186.2 to 187.0. Becomes massive, medium chloritized at 187.0. Sharp lower contact at 65° c.n.
189.0 Brecciated granite, low brecciation, low alteration, 10% dyke fragments, 10 - 15% quartz, cut by a 1.5' diabase at 202,7.
209.6

209.6 Diabase dyke, medium grained, fresh, massive; sharp upper contact at 45° c.n., lower at 60° c.n.
214.6

214.6 Breciated zone, heterogeneous rock, consisting of 25% granite, 35% diabase fragments, 20% volcanic and dyke material, 20% quartz. Medium alteration, medium brecciation. Sheared (90° c.n.) and highly sericitized from 215 to 216.
222.5

222.5 Brecciated granite, (80%), 5% basic fragments, 15% quartz, carbonate, low alteration, medium brecciation. Includes a massive fresh granite section from 245.0 to 250.0.
254.0 Gabbroic dyke, relatively massive and fresh, with a 3" inclusion of granite.
258.0

258.0 Medium brecciated zone. Relatively fresh, medium brecciation 60% granite, 10% foliated syenitic and aplitic dyke material 5% basic fragments, 15% quartz carbonate. At 261.2 a 1.2' syenitic dyke, foliated at 45% c.n. Note 5" carbonate quartz at 272.0 with coarse py.
281.0 Diabase dyke, massive, fresh, fine grained. Upper contact at 60° c.n., lower contact lost.
284.5

284.5 Brecciated granite, relatively fresh. low to medium brecciation, 75% granite, 5% basic fragments, 5% aplite fragments, 15% quartz carbonate. Note at 297.0 a 0.8' aplite dyke, with coarse quartz stringer, trace cpy. Minor cpy blobs associated with quartz carbonate.
303.2 Diabase dyke, fine grained, massive, fresh. Upper contact 25° c.n., lower at 50° c.n.
306.4 Brecciated granite, low brecciation, minor bleaching. 75% granite, 5% basic fragments, 15% ~~basic~~ quartz carbonate. Less than 5% red syenitic fragments.
317.8 Pink felsite dyke.
319.5 Brecciated granite, as at 306.4. Note 2-1" blobs of massive cpy at 319.4 and 323.0.
332.7 Diabase dyke, medium grained, fresh, massive.

DESCRIPTION

334.0

334.0 Medium brecciated zone. Low alteration. Rock becomes more heterogeneous, consists of 55% relatively fresh, pink granite, 20% diabasic dyke material, 5-10% pink, syenitic fragments, 15% quartz carbonate. Widely scattered blobs of cpy. Diabase dykes at 345.5 to 346.1, 360.5 to 361.0, 386.4 to 388.5, and 403.5 to 404.7.

405.4 Quartz-rich zone (50%) with 1" blob of cpy, and fragments of granite and diabase.

406.4 Brecciated granite, low brecciation, relatively fresh.

DIAMOND DRILL LOG

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

LOCATION: Batchawana Bay, Ontario

Latitude: 200N — Dip: 90° — Depth: 838'

Departure: 200W

Elevation: 1015.13 — Commenced: November 26, 1962

Azimuth: — Finished: December 1, 1962 — Logged by: M. Blecha

DIP TESTS

Footage	Reading	Corrected
838'	89°00	89°00

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 22.0 22.0 Brecciated zone. Heterogenous rock. Medium brecciation. 55% low-medium altered granite; 25% fine-grained dyke or volcanic fragments; 20% quartz carbonate. Minor pyrite and chalcopyrite blobs. Diabase. 39.0 - Diabase dyke. Medium grained, cut by a 2" quartz stringer with embedded granitic and basic fragments. 41.5 - As at 22.0, but granite predominately (75%); quartz 15%; volcanics 10%. 57.0 - Trap dyke. Dark greenish grey, fine grained, massive. 63.0 63.0 Zone of alteration. Highly chloritized and sheared (90° c.n.) basic dyke. Sharp lower contact at 45° c.n. 66.0 - Granite. First 1/2' relatively fresh, gradually becoming highly altered, chloritized. Basic dyke contact parallel to core from 69.0 to 70.0. 71.0 - Shearing at 70° c.n. in highly altered granite. Note 1" blob mass sulph. (20% chalcopyrite, 80% pyrrhotite) at 71.3. 71.4 - Highly altered granite; locally brecciated. 75.0 - Diabase dyke. Extremely chloritized and sericitized. 76.0 - Brecciated granite. Still highly altered and brecciated. Alteration decreases gradually from 81.0 down. 81.0 - Brecciated granite. Medium altered. 5% volcanics, 10-15% quartz carbonate. 92.5 - Diabase dyke, medium grained, massive; medium chloritized. Felsitic red inclusion in centre. Sharp upper contact at 35° c.n. Brecciated lower contact. 96.1 - Brecciated granite. Medium-high earthy alteration. 10-15% quartz carbonate; 5% basic inclusions. 106.5 - Massive, fresh, pink granite. 113.6 - Breccia. Heterogenous rock; medium brecciation; low-medi alteration. 50% granite; 25% basic volcanic and dyke fragments; 25% quartz carbonate. Note large blobs chalcopyrite at 140.3. 135.6 - Massive granite, as at 106.5. 154.0 - Trap dyke, sharp upper contact at 10° c.n. 154.8 - Brecciated granite. 15% quartz. 155.9 - Diabase dyke. Fine-medium grained, massive. Upper contac 30° c.n., lower brecciated.

DESCRIPTION

159.6 - Brecciated granite. Low alteration, low brecciation. Contains 10% diabasic material; 10 % aplitic dyke material.
168.2 - Dyke. Fine grained, grey, medium carbonatized, fairly hard. Less than 5% very fine, pale amygdules(?) pseudophenocrysts? Sharp, irregular, chilled contacts.
173.0

173.0 Brecciated zone. 75% relatively fresh granite; 5% volcanic fragments; 10% quartz.
173.0 Highly altered (earthy) zone, partly disintegrated core. Highly brecciated, sheared (fault?)
173.3 - Brecciated granite (80%). 5% volcanics; 15% quartz.
184.6 - Zone of high alteration. Highly chloritized. Fine-grained, brecciated basic rock (dyke?). Core broken up at 186.2-187.0. Becomes massive, medium chloritized at 187.0. Sharp lower contact at 65° c.n.
189.0 - Brecciated granite. Low brecciation, low alteration. 10% dyke fragments; 10-15% quartz. Cut by a 1.5' diabase at 202.7.
209.6 - Diabase dyke. Medium-grained, fresh, massive. Sharp upper contact at 45° c.n. Lower at 60° c.n.
214.6 - Brecciated zone. Heterogenous rock, consisting of 25% granite; 35% diabasic fragments; 20% volcanic and dyke material; 20% quartz. Medium alteration, medium brecciation. High alteration (sericitized) and shearing 90° c.n. at 215.0-216.0.
222.5 - Brecciated granite.(80%) 5% basic fragments; 15% quartz carbonate; low alteration; medium brecciation. Includes a mass fresh granite section from 245.0-250.0.
254.0 - Gabbroic dyke. Red, massive and fresh, with 3" inclusion of granite.
258.0 - Brecciated granite. Red, fresh,medium brecciation. 60% granite; 20% foliated syenitic and aplitic dyke material; less than 5% basic fragments; 15% quartz carbonate.
At 261.2, a 1.2' syenitic dyke, foliated at 45° c.n. Note 5" carbonate-quartz veinlet at 272.0' with coarse pyrite.
281.0 - Diabase dyke. Massive, fresh, fine grained. Upper contact at 60° c.n., lower contact lost.
284.5 - Brecciated granite. Relatively fresh, low-medium brecciated. 75% granite; less than 5% basic fragments; 5% aplitic fragments; 15% quartz carbonate. At 297.0 - 0.8' aplite dyke, with coarse quartz stringers. Trace chalcopyrite. Minor chalcopyrite blobs associated with quartz carbonate.
303.2 - Diabase dyke. Fine grained, massive, fresh. Upper contact 25° c.n., lower at 5° c.n.
306.4 - Brecciated granite, low brecciation, bleaching. 75% granite; less than 5% basic fragments; 15% quartz.carbonate; less than 5% red syenitic fragments.
317.8 - Pink felsite dyke; highly siliceous.
319.5 - Brecciated granite as before. Note two 1" blobs of mass chalcopyrite at 319.4 and 323.0.
332.7 - Diabase dyke. Fine grained, fresh and massive.

DESCRIPTION

334.0 - Brecciated granite. Medium brecciation, low alteration. Rock becomes more heterogenous, consists of 55% relatively fresh, pink granite; 20% diabasic dyke material; 5-10% pink, syenitic fragments; 15% quartz carbonate. Widely scattered blobs of chalcopyrite. Diabase dykes at 345.5-346.1, 360.5-361.9, 386.4-388.5, 403.5-404.7.
405.4 - Quartz-rich zone (50%) with 1" blobs of chalcopyrite and fragments of granite and diabase.
406.4 - Brecciated granite, fresh.
410.0 - As at 405.4.
412.0 - Brecciated granite. 50% granite, relatively fresh. 10-15% basic fragments; 25% syenitic and aplitic dyke material. Note 2" veinlet of pinkish white botryoidal, hard, layered material at 422.0.
428.3 - Aplite Dyke.
429.4 - Mineralized zone. 6-7% chalcopyrite in brecciated granite, associated with quartz.
431.0 - Brecciated granite. 60% granite; 10% diabasic material; 10% syenitic and aplitic fragments; 20% quartz.
443.8 - Mineralized zone. 5% chalcopyrite, associated with quartz in brecciated granite; 25% quartz.
445.0 - Brecciated granite. 15% quartz; 5% diabasic fragments.
446.0 - Granite, fresh, massive, pink.
453.0 - Diabasic dyke with 3" granitic inclusions in centre. Trace pyrite.
455.8 - Granite, fresh, massive.
463.0 - Aplite dyke, cut by 1/2" quartz stringers.
463.8 - Diabase Dyke.
464.2 - Brecciated zone. Medium brecciation, low alteration. 60% granite; 15% diabase dykelets; 5% basic fragments; 10% quartz carbonate; 10% syenitic dyke material; widely scattered minor blobs of chalcopyrite.
483.6 - Diabase dyke. Fine grained, fresh, massive.
486.0

486.0 Zone of alteration and brecciation. Medium-high brecciation. 40% low-medium altered, pink-green granitic fragments and sections; 20% volcanic and diabasic fragments; 25% quartz carbonate. Blobs of chalcopyrite throughout.
502.0 - Diabase dyke, medium chloritized.
505.5 - Highly altered (earthy and chloritized) granite. Medium brecciation. Core in part broken up. Highest alteration from 513.7-516.0; earthy disintegrated granite. Note tiny blobs of chalcopyrite at 511.9.
531.0 - Dyke, grey, porphyritic, low chloritization and carbonatization. Trace MoS_2 and chalcopyrite along fractures.
535.9 - Granite, medium altered (Note blue quartz). Trace chalcopyrite.
537.6 - 2" patch of massive chalcopyrite in a carbonate-rich zone, followed by a 1" coarsely xalline pyrite.
538.2 - Grey dyke as at 531.0.
542.0

542.0 Quartz carbonate breccia. 60% quartz carbonate; 25% medium altered granite; 15% chloritized gabbroic material.
545.0

545.0 Ore zone. 75% chalcopyrite; minor pyrite in a quartz-carbonate-rich zone.

DESCRIPTION

546.0

546.0 Quartz carbonate breccia - as at 542.0 - scattered blobs of chalcopyrite.

556.0

556.0 Zone of alteration - Brecciation. 75% medium altered granite (earthy); 20% quartz carbonate; 5% basic fragments; scattered blobs of chalcopyrite with local concentrations.
584.0 - Rock becomes more heterogenous. 20% gabbroic fragments; 10% volcanic or dyke material; 20-25% quartz (coarsely xalline); 50% low-medium altered granite. Brecciation medium-high. Scattered blobs of chalcopyrite. Minor with local concentrations pyrrhotite and pyrite throughout. General alteration medium.
724.0 - Highly bfecciated zone. Alteration increases to medium-high. Altered granite (earthy) 60%; altered basic material 20%; quartz carbonate 20%. Minor pseudoporphyritic banded fragments. Note 2" blobs of chalcopyrite at 727.5 and 750.0. Minor pyrite and chalcopyrite blobs throughout.
765.0 - Brecciated zone as above. Alteration medium. Low altered granitic fragments 40%.
819.0-- Highly altered granitic fragments 15%; acidic 10%; basic fragments 10%; quartz carbonate 10-15%. Minor chalcopyrite and pyrite blobs throughout (1-2%).
819.0 - Highly brecciated zone, as above, but alteration increases to high. Note 1" blobs of chalcopyrite at 827.5. Core badly broken up from 835.0-838.0.
838.0 - End of Hole.

ASSAY RESULTS

Hole No. V-16

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
6825	384.6-386.6	2.0	1.29		
6826	405.5-406.5	1.0	1.76		
7	406.5-410.6	4.1	0.18		
8	410.6-412.0	1.4	0.73		
6829	429.4-431.0	1.6	2.51		
6831	443.8-445.3	1.5	1.82		
1657	466.0-472.0	6.0	0.25		
8	472.0-478.0	6.0	0.19		
9	478.0-484.0	6.0	0.14		
1660	484.0-490.0	6.0	0.15		
1	490.0-496.0	6.0	0.22		
2	496.0-502.0	6.0	0.16		
3	502.0-508.0	6.0	0.22		
4	508.0-514.0	6.0	0.85		
5	514.0-520.0	6.0	0.13		
6	520.0-526.0	6.0	0.33		
7	526.0-531.5	5.5	0.92		
8	531.5-536.0	4.5	0.17		
1648	536.0-542.0	6.0	2.26		
9	542.0-546.0	4.0	5.86		
1669	546.0-551.0	5.0	0.16		
1670	551.0-556.0	5.0	1.13		
1	556.0-561.0	5.0	0.11		
2	561.0-566.0	5.0	0.20		
3	566.0-571.0	5.0	2.25		
4	571.0-581.0	10.0	0.34		
5	581.0-591.0	10.0	0.16		
6	591.0-601.0	10.0	0.20		
7	601.0-611.0	10.0	0.64		
8	611.0-621.0	10.0	0.34		
9	621.0-631.0	10.0	0.20		
1680	631.0-641.0	10.0	0.41		
1	641.0-651.0	10.0	0.17		
2	651.0-661.0	10.0	0.56		
3	661.0-671.0	10.0	0.30		
4	671.0-681.0	10.0	0.39		
5	681.0-691.0	10.0	0.50		
6	691.0-701.0	10.0	0.21		
7	701.0-711.0	10.0	0.45		
8	711.0-721.0	10.0	0.17		
9	721.0-731.0	10.0	0.83		
1690	731.0-741.0	10.0	0.62		
1	741.0-751.0	10.0	1.04		
2	751.0-761.0	10.0	0.42		
3	761.0-771.0	10.0	0.28		

ASSAY RESULTS

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1694	771.0-781.0	10.0	0.31		
5	781.0-791.0	10.0	0.15		
6	791.0-801.0	10.0	0.14		
7	801.0-811.0	10.0	0.16		
8	811.0-821.0	10.0	0.09		
9	821.0-831.0	10.0	0.53		
1700	831.0-838.0	7.0	0.29		
AVERAGES:					
	466.0-838.0	372.0	0.46		
	536.0-571.0	35.0	1.61		
	536.0-556.0	20.0	2.17		
	536.0-611.0	75.0	0.93		
	721.0-751.0	30.0	0.83		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited HOLE NUMBER: V-17

LOCATION: Batchawana Bay, Ontario DIP TESTS

Latitude: 2 00N	Dip: 90°	Footage	Reading	Corrected
Departure: 2 00E	Depth: Deepened 603 to 960			
Elevation: 1005.36	Commenced: Sept. 18/63			
Azimuth: N/A	Finished: Sept. 21/63	Logged by: Ross Shields		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 14.0 14.0 Shatter zone of medium to strong intensity Quartz carbonate vuggy in part 12%; greenstone (volcanics) 20-30%; tuffaceous andesitic and including some of the diabase-gabbro. Granite 58-68% is mainly of the red massive type with lesser amounts of the lighter pinkish variety. At 49 note development of malachite in some basic fragments (altered tuff?) is development previous to splitting and exposure to air for a year. 52 Shatter zone as at 14. Mineralization is in form of irregular coarse spots of chalcopyrite usually with accompanying pyrite. Spots of chalcopyrite and pyrite are in the 1/4 to 2 inch size range in this zone. 95.5 Diabase-gabbro, fine grained, grain size 1/32 inch or smaller massive dark grey green intensive dyke? or dyke fragment. 97.3 Shatter zone as at 14. 121 Diabase-gabbro as at 95.5 but coarser grained 1/16 inch and contains a few thin quartz veinlets, some jointing S-planes are plastered with pyrite and minor chalcopyrite platelets. 126 Shatter zone as at 14. 267.5 Thicker than average basic fragment, very fine grained, massive dark greyish green, upper and lower 6 inch marginal zones are calcareous, some faint banding of a "pseudo" tuffaceous type. 271.5 271.5 Shatter zone as at 10. At 284 Note excellent development of a slightly decomposed arkosic granite. At 289 Note interfrag quartz contains red granitic material as crystal and crystal cluster ~~xxxxxxx~~ fragments 1/8 - 1/2 inch in size (also see same at 467 and 472) 329.0 Shatter zone of medium intensity. Quartz carbonate vuggy in part 8-10%. Greenstone (volcanics) 3%. Granite 87 - 89% some massive reddish granite along with some pinkish granite. Mineralization appears negligible.

DESCRIPTION

At 467 and at 472, note quartz carbonate containing red granitic material as crystal and crystal cluster fragments as at 289.
496

496 Strong shatter zone. Quartz carbonate 20%. Greenstone (volcanics) 5%; granite 75% pink variety and buff pink to 576 and bleached decomposed or altered granite below 576.
580 Note bentonitic? swelling of decomposed granite.
581 Shatter zone as at 496 with the impure greenish white granite arkose suggested by this writer as possibly forming by sifting in of tuffaceous finer rapidly into a zone of arkose development.
Mineralization occurs as sporadic coarse 1/2 - 2 inch spots of chalcopyrite with associated pyrite.
Deepened from 603.
603 Shatter zone as at 496 with pink and massive red granites and minor amounts of impure and decomposed or altered greyish to pinkish white granites with some minor white talcy margaritic alteration.
At 678 Note arkosic looking granite with some 15% of Feldspar grains bleached.
679 Shatter zone as at 496.
681.7 to 684.7 lost core.
Note 3½" slug of chalcopyrite at 689.3.
710.6 - 711.7 lost core.
And note 1" spots of chalcopyrite at 713 and 1/2 inch spot at 716.
743.1 - 743.9 lost core.
759.0

759.0 Zone of intenmediate shatter, quartz carbonate slightly vuggy in part 3-4%. Greenstones (volcanics) 10-12%. Granites 84-87%; about 1/3 of granite fragments are of the massive red granite type another 1/3 are of the decomposed and/or altered greyish pink to greyish cream in colour and the remaining third of the granites are of the arkosic appearing white spotted grano sediment? type.
Quartz carbonate is usually 1 to 6 inches in intersected thickness. Greenstones are usually 3 inches to 2 to 3 feet in intersected thickness and granites seem to be from one foot to 7 or 8 feet in intersected fragment thickness.
870 Note foliation containing partly aligned grano fragment material.
871 Shatter zone as at 759.
From 937 to 938 there are 8 or 9 1/4 inch spots of chalcopyrite and some associated galena in quartz carbonate.
Mineralization occurs in the zone as trace amounts of pyrite spots 1/8 - 1/2 inch in size with minor amounts of associated chalcopyrite spots and scattered unevenly throughout the zone.
960 End of Hole.

Sheet No. Sample Sheet (One) Hole No. V-17

	DESCRIPTION		
1647	48.0 - 53.0	5.0	2.95
1701	53.0 - 63.0	10.0	0.18
1702	63.0 - 73.0	10.0	0.36
1703	73.0 - 83.0	10.0	0.22
1704	83.0 - 88.0	5.0	0.27
6118	104.0 - 109.0	5.0	0.12
6119	109.0 - 114.0	5.0	0.13
6120	114.0 - 116.5	2.5	0.15
6121	116.5 - 119.0	2.5	0.19
~~6122~~ 6130	119.0 - 122.0	3.0	0.13
6122	127.0 - 130.0	3.0	0.64
6123	130.0 - 135.0	5.0	0.11
6124	135.0 - 140.0	5.0	0.78
6125	140.0 - 145.0	5.0	0.16
6126	145.0 - 150.0	5.0	0.37
6127	150.0 - 152.5	2.5	0.81
6128	152.5 - 155.0	2.5	0.10
6129	155.0 - 160.0	5.0	0.08
6131	169.0 - 174.0	5.0	0.18
6132	174.0 - 179.0	5.0	0.50
6133	179.0 - 184.0	5.0	0.26
6134	184.0 - 189.0	5.0	0.11
6135	189.0 - 194.0	5.0	0.14
6136	194.0 - 199.0	5.0	0.34
6137	199.0 - 204.0	5.0	0.41
6138	204.0 - 209.0	5.0	0.25
6139	209.0 - 214.0	5.0	0.29
1705	430.0 - ~~44~~ 440.0	10.0	0.20 sludges
1706	440.0 - 450.0	10.0	0.17
6140	491.0 - 496.0	5.0	0.09
6141	496.0 - 499.0	3.0	0.67
6142	499.0 - 504.0	5.0	0.16
6143	555.0 - 560.0	5.0	0.23
6144	560.0 - 565.0	5.0	0.16
6145	565.0 - 570.0	5.0	0.04
6146	570.0 - 575.0	5.0	0.20
1711	588.0 - 593.0	5.0	0.35
1712	593.0 - 598.0	5.0	0.31
1713	598.0 - 603.0	5.0	0.21
6147	603.0 - 607.0	4.0	0.24
6148	607.0 - 612.0	5.0	0.05
6149	612.0 - 617.0	5.0	0.22
6150	617.0 - 622.0	5.0	0.07

Sheet No. Sample Sheet (Two) Hole No. V-17

DESCRIPTION

6164	686.5 - 689.0	2.5	0.06
6165	689.0 - 691.5	2.5	5.14
6166	691.5 - 694.0	2.5	0.12
6167	712.5 - 717.5	5.0	0.47
6266	935.0 - 940.0	5.0	0.02
6267	940.0 - 945.0	5.0	0.23
6268	945.0 - 950.0	5.0	0.09

cc: Dr. Malouf

ASSAY RESULTS

Hole No. V-17

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1647	48.0-53.0	5.0	2.95		
1701	53.0-63.0	10.0	0.18		
2	63.0-73.0	10.0	0.36		
3	73.0-83.0	10.0	0.22		
4	83.0-88.0	5.0	0.27		
6118	104.0-109.0	5.0	0.12		
9	109.0-114.0	5.0	0.13		
6120	114.0-116.5	2.5	0.15		
1	116.5-119.0	2.5	0.19		
6130	119.0-122.0	3.0	0.13		
6122	127.0-130.0	3.0	0.64		
3	130.0-135.0	5.0	0.11		
4	135.0-140.0	5.0	0.78		
5	140.0-145.0	5.0	0.16		
6	145.0-150.0	5.0	0.37		
7	150.0-152.0	2.5	0.81		
8	152.0-155.0	2.5	0.10		
9	155.0-160.0	5.0	0.08		
6131	169.0-174.0	5.0	0.18		
2	174.0-179.0	5.0	0.50		
3	179.0-184.0	5.0	0.26		
4	184.0-189.0	5.0	0.11		
5	189.0-194.0	5.0	0.14		
6	194.0-199.0	5.0	0.34		
7	199.0-204.0	5.0	0.41		
8	204.0-209.0	5.0	0.25		
9	209.0-214.0	5.0	0.29		
6140	491.0-496.0	5.0	0.09		
1	496.0-499.0	3.0	0.67		
2	499.0-504.0	5.0	0.16		
6143	55 .0-560.0	5.0	0.23		
4	560.0-565.0	5.0	0.16		
5	565.0-570.0	5.0	0.04		
6	570.0-575.0	5.0	0.20		
1711	588.0-593.0	5.0	0.35		
2	593.0-598.0	5.0	0.31		
3	598.0-603.0	5.0	0.21		
6147	603.0-607.0	4.0	0.24		
8	607.0-612.0	5.0	0.05		
9	612.0-617.0	5.0	0.22		
6150	617.0-622.0	5.0	0.07		

ASSAY RESULTS

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
6164	686.5-689.0	2.5	0.06		
5	689.0-691.5	2.5	5.14		
6	691.5-694.5	2.5	0.12		
6167	712.5-717.5	5.0	0.47		
6266	935.0-940.0	5.0	0.02		
7	940.0-945.0	5.0	0.23		
8	945.0-950.0	5.0	0.09		
AVERAGES:					
	689.0-694.0	5.0	2.63		

SLUDGE

1705	430.0-440.0	10.0	0.20		
6	440.0-450.0	10.0	0.17		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited — HOLE NUMBER: V-18

LOCATION: Batchawana Bay, Ontario — DIP TESTS

Latitude: 300N — Dip: 90°

Footage	Reading	Corrected
500	90°00	90°00

Departure: 500W — Depth: 516'

Elevation:

Commenced: December 2, 1962

Azimuth:

Finished: December 5, 1962 — Logged by: M. Blecha

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 24.0
	24.0 Granite - Pink, medium-grained. 50% white rounded quartz xalline; 45% pink, mostly subhedral feldspar; 5% dark chloritized mafics; 1% epidote; less than 1% disseminated pyrite, massive; cut by occasional 1/16" white carbonate stringers. 1" aplite dykelet at 77.5
	90.0 - Felsite dyke. Pink, indistinctly porphyritic, with dark greenish-grey, 1-2 mm. carbonatized anhedrous phenocrysts in an aphanitic feldspathic matrix. Euhedral, feldspar phenocrysts at contact. 1-2% disseminated pyrite. Sharp contacts at 25° c.n.
	96.0 - Granite, as at 24.0 - gradually becomes paler due to increasing amount of white feldspar.
	165.0 - Basic dykelet. Very fine grained, dark brownish grey, medium soft, (low chloritization) slightly fractured. 2-3% carbonate. hemalite stringer. Faintly foliated at 45° c.n. Contacts lost.
	169.0 - Granite becomes slightly fractured and contains short (1-2") sections of strong kaolinization and epidotization - this latter associated with patches of pyrrhotite. Slightly foliated in places and associated brownish (hard) alteration, partly obliterates texture. Epidotization increases near end, but still low. 192.5
	192.5 Felsite Dyke. Pinkish grey, siliceous, porphyritic, soft. Greenish, chloritized anhedral phenocrysts in a very fine-grained pinkish matrix. Less than 1% disseminated pyrite.
	197.0 - Zone of high alteration, and fractures. Chloritization and partial earthy composition.
	200.0 - Dyke, as at 192.5. Less pink and paler. 203.3
	203.3 Granite Sample. First few feet - brownish, then becoming pink as at 24.0.
	209.0 - Mineralized zone. 3% chalcopyrite; 1-2% pyrrhotite in a medium epidotized bleached massive granite.
	210.7 - Granite, as at 24.0. Massive. Trace of chalcopyrite associated with quartz stringers at 218.0.

DESCRIPTION

239.6 - Dykelet - basic dark, medium chloritized. Medium foliated at 80° c.n. (parallel to contact). Earthy decomposition in centre.
242.0 - Granite, as before, pink, epidotized.
260.2 - Mineralized zone. 2-3% chalcopyrite; 1-2% pyrrhotite, in massive granite. Minor associated bleaching.
263.0 - Granite, as at 242.0.
309.0 - Bleached zone, with 5% pyrite; trace chalcopyrite.
311.0 - Granite, as at 242. Massive. Includes few short (2-3") slightly bleached zones with associated pyrite mineralization.
395.2

395.2 Meta-Volcanics(?) Contact zone, between granite and underlying schist. Granite contains several irregular inclusions of dark schistose rock with pink granitic patches.
423.0 - Greenish black biotitic and chloritic, medium carbonatized, schistose rock. Strong schistose, predominately at 80-90° c.n. Chloritization increases downward.
A 2" patch of magnetite at 436.0.
449.0

449.0 Mineralized zone. 5% chalcopyrite, 5% pyrite in quartz carbonate-rich zone.. 5% pyrite within this meta-volcanic. Highly chloritized and strong schistose parallel to core.
462.0

462.0 Granite, as at 242.0.
469.0 - As at 395.2, with granitic inclusions, irregular contact.
492.0 - Granite, as at 24.0.
516.0 - End of Hole.

Sheet No. 1. ASSAY RESULTS Hole No. V-18

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1731	446.5-454.0	7.5	1.90		
1732	454.0-462.0	8.0	0.51		

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Co. Limited

HOLE NUMBER: V-19

LOCATION: Batchawana Bay, Ontario

DIP TESTS

Latitude: 0-0	Dip: Vertical	Footage	Reading	Corrected
Departure: 400E	Depth:	334'	90°00	90°00
Elevation: 1013.83	Commenced: December 5, 1962			
Azimuth:	Finished: December 9, 1962	Logged by: M. Blecha		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing 10.0 10.0 Granite. Pink, relatively fresh and massive, medium grained. 30-35% quartz; 5-7% chloritized mafics; 60% red feldspar; minor epidote. 29.8 29.8 Volcamics (andesite?) - Fine grained to aphanitic, dark green, distinctly foliated at 25-45° c.n. 3-5% epidote patches and stringers, mostly parallel to foliation; less than 1% quartz stringers; hard, locally slightly silicified. Upper contact lost. 47.5 - Granite - Fine-medium grained, pink, fresh, massive. Sharp contacts at 45° c.n. Appears chilled against the volcanics, probably an intruding tongue. 48.1 - Volcanics, as at 29.8. Note a 0.5' amphibole-rich zone, with 50% amphibole xals (up to 5-6mm.) in a fine grained, reddish feldspathic matrix at 50.0'. Traces of pyrite, and chalcopyrite along fractures throughout. Relatively massive with local foliated (45-55° c.n.) phases. 85.6 85.6 Granite. Upper contact sharp, irregular (50° c.n.). Pink, medium grained, massive, relatively fresh. Trace pyrite, minor epidote, pale pink, as at 10.0'. Minor local fracturing. Minor phases with increase of mafics to 10%. Minor greyish phases, due to low alteration of feldspar constituents. 200.0 - Granite, as above, but low-medium chloritization and appearance of quartz stringers (4-5%). Note 3" highly sericitized zone at 231.0. 250.3 - Trap Dyke - Fine grained, grey, with 3-4% disseminated pyrite. Sharp contacts at 60° c.n. 252.2 - Granite - Pink, fresh, and massive. Not 0.5' trap at 255.0 (60° c.n.) followed by minor quartz-poor granitic phases. Note minor (few inches) irregular trap dykelets with embedded granitic inclusions at 267.0 and 267.5. 267.0 267.0 Felsophyre. Brick red. 5% fine (1-3 mm.) quartz eyes. 3-4% epidotized pseudophenocrysts in an aphanitic red matrix. Massive and fresh. Sharp contacts 0°-5° c.n. Note tongues of felsophyre in granite near both contacts. 271.0 271.0 Granite, pink, fresh, massive. Note 1" trap at 272.3.

DESCRIPTION

275.0
275.0 Zone of high earthy alteration of granite. Total disintegration, accompanied by swelling of core. Sharp contacts with fresh granite at 55° c.n.
276.8
276.8 Granite - Pink, fresh and massive.
282.5
282.5 Granite - Medium-high, earthy alteration, associated with quartz stringers, mostly at 55° - 60° c.n.
284.2
284.2 Granite - Pink, fresh, massive, except for highly 3-4% altered fractures, mostly at 55-60° c.n.
300.5
300.5 Zone of extreme earthy alteration of granite. Total disintegration of rock. Sharp contacts with fresh granite at 55° c.n.
303.0
303.0 Granite - Pink, relatively fresh and massive. 5-7% chloritized mafics. 1% quartz stringers.
365.0 - Granite, as above, but low chloritization. Trace pyrite and minor fracturing.
394.0 - Granite, as above, but increased fracturing (not brecciation) accompanied by high earthy alteration along fracture planes only. Low-medium chloritization. 3-4% quartz stringers.
438.0 - Zone of high earthy alteration of granite.
441.0 - Granite - Pink, massive, low alteration.
451.0
451.0 Granite - Medium chloritization and earthy alteration, developing along fractures. Core partly broken up. Not brecciated. Note kaolinization of feldspar constituents.
478.0 - Granite - High chloritization, and earthy alteration.
480.5 - Quartz carbonate zone. Coarsely xalline quartz with minor interstitial carbonate; vuggy. Trace of pyrite and chalcopyrite.
482.5 - Highly brecciated zone. High earthy alteration of granitic fragments.
483.0
483.0 End of Hole.

Deepening - (Extended Core)
483.0 - Medium brecciation zone. Medium alteration (chloritization). Granite 8%; fine grained basic 5%; Quartz carbonate 15%.
488.0
488.0 Lost Core.
498.5
498.5 Highly brecciated zone. Medium-high chloritization. Granite 60%; fine grained basic 10%; quartz carbonate 30%. Trace pyrite and chalcopyrite.
509.5
509.5 Gabbro. Fine-medium grained, dark green; low chlorite, massive.

DESCRIPTION

511.8

511.8 Mineralized Zone. 2-3% chalcopyrite; 1-2% pyrite in widely scattered blobs associated with quartz, in a highly brecciated zone. Medium chloritization. Diabase fragments and masses 30%; granite 40%; fine grained basic 5%; quartz carbonate 25-30%.

545.0

545.0 Brecciated Diabase (gabbro) - low brecciation; 5% quartz; minor chalcopyrite and pyrite.

549.7

549.7 Mineralized Zone. 5-6% chalcopyrite; 2-3% pyrite in widely scattered blobs associated with quartz in highly brecciated zone. Gabbro 60%; granite 20%; quartz carbonate 10-15%. Low-medium alteration.

576.0 - Mineralization decreases to 2-3% chalcopyrite; 2-3% pyrite, in highly brecciated zone; granite 40%; gabbro 20%; volcanics 10-15%; quartz carbonate 15-20%.

595.5

595.5 Brecciated Granite - Medium-high chloritization; low brecciation; 5-7% quartz.

600.07

600.07 Mineralized zone. 3-4% chalcopyrite; 2-3% pyrite in widely scattered blobs, associated with quartz in a highly brecciated zone. Medium alteration. Granite 50%; gabbro 10%; fine grained basic volcanic 10-15%; quartz carbonate 15-20%.

626.0 - Mineralization decreases to 1-2% chalcopyrite; 1-2% pyrite and rock becomes gradually predominately granitic (65%); fine grained basic 10%; quartz carbonate 20-25%.

645.7

645.7 Brecciated Granite. Medium earthy alteration and chloritization, high brecciation. Quartz carbonate 20%. Note 5" highly chloritized diabasic dykelet at 646.0; minor splash chalcopyrite at 667.0. 6" brecciated diabasic dykelet at 680.0.

719.0

719.0 Lost Core.

725.0

725.0 Brecciated granite, as at 645.7.

733.0

733.0 Granite - Pink, fresh and massive. Note minor quartz-rich medium altered brecciated zone at 739.0 - 740.5.

753.0

753.0 Brecciated Granite. High brecciation. Low-medium alteration (earthy) and chloritization; quartz carbonate 25-30%. Note 1.0' highly sericitized and chloritized zone at 781.3.

795.0

795.0 Lost Core.

800.0

800.0 Brecciated Granite. Low-medium alteration, low brecciation. Quartz carbonate 10%.

814.0

814.0 Granite - Pink, fresh, and massive.

818.5

818.5 Brecciated Granite - High brecciation - low-medium alteration; quartz carbonate 30-35%. Trace pyrite.

853.0 - End of Hole.

Sheet No. 1. ASSAY RESULTS Hole No. V-19

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Ag.%	Au.%
2413	511.8-816.8	5.0	0.21		
4	516.8-521.8	5.0	0.16		
5	521.8-527.4	5.6	0.23		
6	527.4-531.9	4.5	1.05		
2429	531.9-536.9	5.0	0.84		
2417	536.9-544.7	7.8	0.47		
8	544.7-549.6	4.9	1.92		
9	549.6-555.0	5.4	1.27		
2420	555.0-560.0	5.0	2.14		
1	560.0-565.0	5.0	1.10		
2	565.0-570.0	5.0	2.07		
3	570.0-575.9	5.9	1.42		
4	575.9-581.5	5.6	0.29		
5	581.5-585.8	4.3	1.05		
6	585.8-590.8	5.0	0.61		
7	590.8-596.8	6.0	0.92		
8	596.8-602.3	5.5	0.24		
2430	602.3-606.7	4.4	2.41		
1	606.7-612.7	6.0	0.29		
2	612.7-616.4	3.7	1.15		
3	616.4-623.7	7.3	0.21		
4	623.7-627.8	4.1	0.67		
5	627.8-632.8	5.0	0.28		
6	632.8-638.8	6.0	0.91		
7	638.8-645.8	7.0	0.18		
2409	665.8-670.8	5.0	0.95		
AVERAGES:					
	527.4-616.4	89.0	1.08		
	544.7-575.9	31.2	1.64		

DIAMOND DRILL LOG

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

LOCATION: Batchawana Bay, Ontario

Latitude: 00 — Dip: 90 degrees — DIP TESTS: Footage 850, Reading 87¾°, Corrected 87°

Departure: 400 E — Depth: 853.7

Elevation: 1013.83 — Commenced: July 7, 1963

Azimuth: N/A — Finished: July 11, 1963 — Logged by: D. Dickson

SAMPLE NUMBER	DESCRIPTION
	This hole had been stopped in December due to sand in the hole which was Ax size. Bx casing was brought in and put down on June 30, but after drilling five feet, a bit shell was broken. In drilling through the shell and bit, the rods were broken at seventy feet from the top of the hole. Operations to recover the rods were delayed until July 7 when fishing gear was obtained from Rouyn. The drilling was continued using the smaller Bx core.
	Shatter Zone Commences
	482.6 Granitic (partly rhyolite fragmental) 70%; Quartz and Quartz Carbonate 30%
	487.9
	487.9 Lost Core
	498.8
	498.8 Granitics 35%; Quartz and Quartz Carbonate 10%; Gabbroics 15%; Greenish brown Intrusives 40%
	532.0
	532.0 Granitics 40%; Quartz and Quartz Carbonates 5%; Gabbroics and Andesitics 40%; Intrusives 10% Chalcopyrite and pyrite 5%
	625.0
	625.0 Intrusives(Greenish brown) 60%; Granitics 10%; Gabbroics 15%; Quartz and Quartz Carbonate 15%
	655.0
	655.0 Granitics 40%; Quartz and Quartz Carbonate 15%; Intrusives 45%
	697.7
	697.7 Granitics 65%; Quartz and Quartz Carbonate 20%; Intrusives 15%
	719.0
	719.0 Lost Core
	725.0
	725.0 Unbroken Red Granite 90%; Quartz and Quartz Carbonate 10%
	765.0

SAMPLE NUMBER	DESCRIPTION			
	765.0 Granitics 60%; Quartz and Quartz Carbonate 30%; Intrusives 10% 795.0			
	795.0 Lost Core 800.0			
	800.0 Granitics 90%; Quartz and Quartz Carbonate 5%; Intrusives 5% 853.7			
	853.7 End of Hole			

Sample Sheet

Deepening of V-19

2413	511.8 - 516.8	5.0
2414	516.8 - 521.8	5.0
2415	521.8 - 527.4	5.6
2416	527.4 - 531.9	4.5
2429	531.9 - 536.9	5.0
2417	536.9 - 544.7	7.8
2418	544.7 - 549.6	4.9
2419	549.6 - 555.0	5.4
2420	555.0 - 560.0	5.0
2421	560.0 - 565.0	5.0
2422	565.0 - 570.0	5.0
2423	570.0 - 575.9	5.9
2424	575.9 - 581.5	5.6
2425	581.5 - 585.8	4.3
2426	585.8 - 590.8	5.0
2427	590.8 - 596.8	6.0
2428	596.8 - 602.3	5.5
2430	602.3 - 606.7	4.4
2431	606.7 - 612.7	6.0
2432	612.7 - 616.4	3.7
2433	616.4 - 623.7	7.3
2434	623.7 - 627.8	4.1
2435	627.8 - 632.8	5.0
2436	632.8 - 638.8	6.0
2409	665.8 - 670.8	5.0
2437	638.8 - 645.8	7.0

DIAMOND DRILL LOG

PROPERTY: Tribag Mining Company Limited, HOLE NUMBER: V-20

LOCATION: Batchawana Bay, Ontario.

				DIP TESTS	
Latitude:	400 N	Dip: 90°	Footage	Reading	Corrected
Departure:	400W	Depth: 771.0'	765	90°	90°
Elevation:	1024.80	Commenced: Dec. 6, 1962.			
Azimuth:		Finished: Dec. 10, 1962.	Logged by: M. Blecha.		

SAMPLE NUMBER	DESCRIPTION
	0.0 Casing. 21.0
	21.0 Granite, pink, ~~fxxxhy~~ medium altered, same as in V-18, but medium fractured and altered (earthy). QC stringers 5-7%. 26.5
	26.5 Zone of alteration and brecciation. Brecciated QC zone with highly altered, greenish angular granitic fragments. Note a 1"patch of mariposite. 29.0 Granite, highly altered; earthy greenish sections alternating with relatively fresh, massive granite. 37.5
	37.5 Mineralized zone. 40% cpy in a quartz-~~xixh~~ carbonate zone within altered granite. 38.5
	38.5 Zone of alteration. Essentially a highly altered, brecciated granite, whitish green, soft where alteration is intense. Medium grained texture partially obliterated. Cut by QC stringers (10-15%). Includes short, isolated breccia (15%) in which highly altered angular fragments of granite are embedded in a white quartz matrix. These zones contain coarsely crystalline masses of py and minor blobs of cpy. 129.0 Alteration very intense, rock almost completely disintegrated. 132.0 As at 38.5 161.0 Alteration decreases but brecciation zones still present (10%). The zone includes two short (1-2') sections of relatively fresh, pink, granite. QC 15%. The relatively fresh, mass. phases of granite include less than 1% dark grey, fine grained angular fragments of foreign (volcanic?) material, (½"-1"), and 5% of short zones of highly earthy alteration. 1% py and trace cpy. 382.4 As above, 5% disseminated cpy. 383.5 Shear zone. Strong schistosity 80 c.n. QC 5%. 1-2% py. Fine grained, soft, greenish, medium chloritized and sericitized rock. 385.5
	385.5 Granite. Gradually becoming massive, but still highly altered. Angular fragments absent. 1-2% disseminated cpy. 389.9 As above, trace cpy and py. 396.0 Granite, pink, fresh, massive, with short altered sections. Trace cpy. 399.8 1-2% disseminated cpy. 401.2

DESCRIPTION

401.2 Granite as at 396.0. Trace cpy.
405.0 Granite, pink, fresh, massive with5% greyish phases of mineralization.
412.0 Granite, altered, bleached, massive, 1% cpy.
417.0 Granite, pink, fresh, massive. Few minor slip planes 80° c,n. and fe w minor altered earthy pahses. Chloritized mafics increase to 20-30%.
460.0 Altered zone, granite is soft, greenish, (sericitized but relatively massive with 20% pink relatively fresh phases.
483.0 Granite, fresh, chloritized mafics 20%; 2" chloritize shear 45° c.n. at 503.5.
503.7 Granite, pink, fresh with minor green, slightly altered phases.
523.3

523.3 Shear zone. Highly serpentintized, green, strong shistosity at 70° c.n.. Trace Mo S_2.
526.0 Meta-volcanics (?), dark brownish, sheared at 55-60° c.n. Minor brecciation with 10% quartz. Sharp upper contact parallel shearing.
535.8 Granite, sheared, highly altered, soft with 40% chloritized mafics. Numerous slip planes at 50° c.n. Very gradually becomes less altered and relatively massive toward end.
547.0

547.0 Granite, pale pinkish green, medium altered, massive, with 10% altered earthy phases. Trace cpy in small ¼" massive patches, and disseminated throughout.
593.4 1-2% cpy, 1% py in medium altered greenish, earthy granite.
603.4. Granite, fresh, massive, medium grained, 50% quartz, 35-40% red anhedral feldspar, 2-5% white subhedral feldspar phenocrysts. 5-7% chloritized mafics. Includes 5-10% slightly medium altered earthy phases.
661.2 Trap dyke, fine grained, grey, porphyritic, 10% very fine white phenocrysts in a fine grained matrix. 2-3% disseminated py. Sharp contacts at 45° and 55° c.n. respectively.
664.0 Granite, fresh, massive. Blobs of cpy associated with 2" quartz stringers at 669.6, 695.0 and 715.6 (average 65° c.n.)
739.0 Granite, highly altered, earthy, patchy, disintegrated. Medium foliation at 50° c.n.
751.0 Granite, fresh, massive. Blobs of cpy in a ¼" quartz stringer at 767.5.
771.0

771.0 End of hole.

Sheet No. 1. ASSAY RESULTS Hole No. V-20

DESCRIPTION

CORE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1734	37.0-42.0	5.0	2.69		
1735	71.0-79.0	8.0	0.58		
1736	92.5-97.5	5.0	0.79		
6601	382.2-383.6	1.4	1.35		
6659	383.6-385.2	1.6	0.58		
6602	385.2-388.7	3.5	0.82		
6603	593.9-598.9	5.0	0.88		
4	598.9-603.6	4.7	0.91		
AVERAGES:					
	382.2-388.7	6.5	0.91		
	593.9-603.6	9.7	0.89		

ASSAY RESULTS

Hole No. V-20

DESCRIPTION

SLUDGE

Sample No.	Footage	Length	Cu.%	Au.%	Ag.%
1737	100.0-110.0	10.0	0.22		
8	110.0-120.0	10.0	0.18		
9	120.0-130.0	10.0	0.28		
1740	130.0-140.0	10.0	0.14		
1	140.0-150.0	10.0	0.13		
2	150.0-160.0	10.0	0.13		

TRIBAG MNG Co LTD

1" = 200 FT.

35129

35128

35127

35137

35136

61140

61139

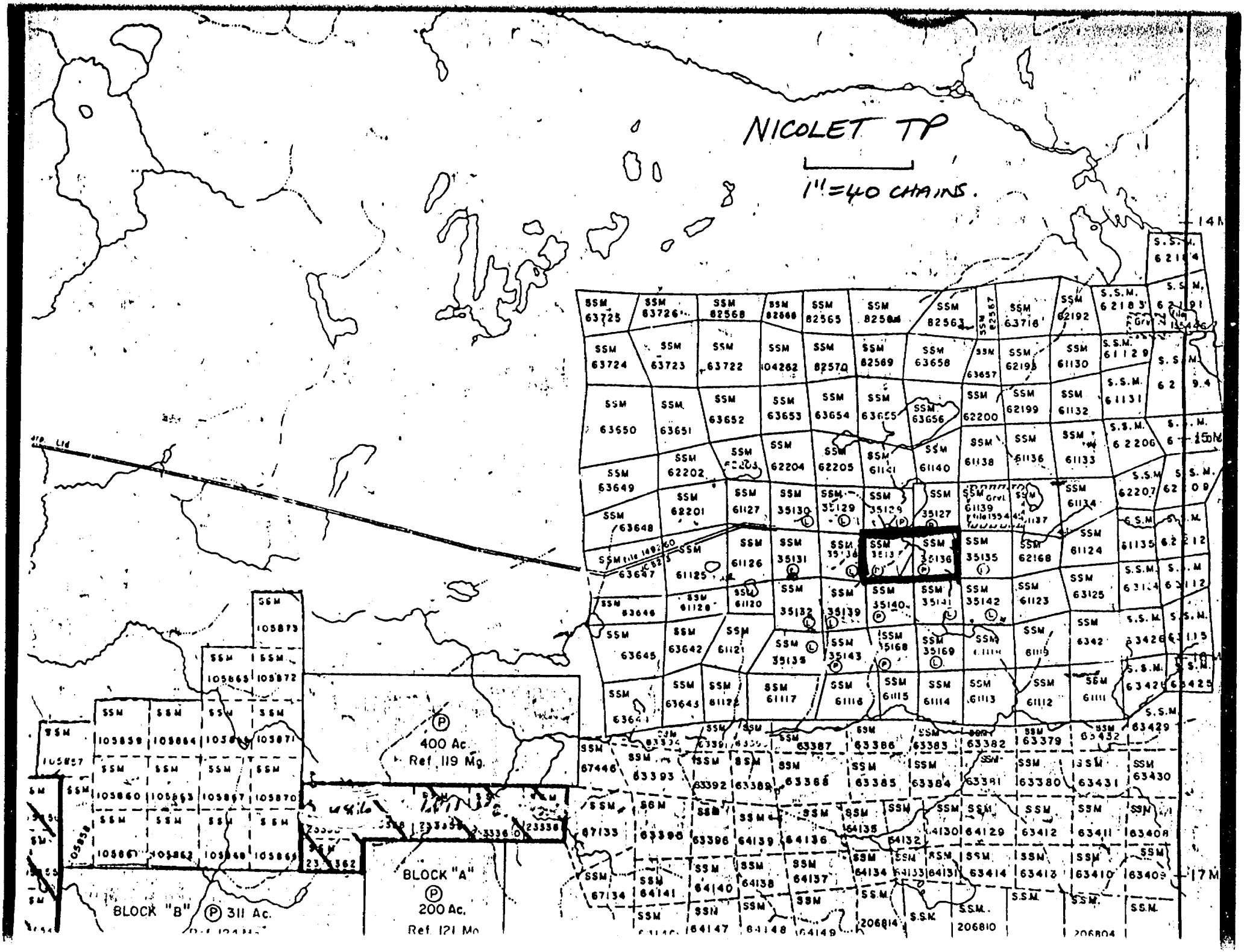
61138

V1 V2 V3 V4 V5 V6 V7 V8 V9 V10 V11 V12 V13 V14 V15 V16 V17 V18 V19 V20

N-1 N-2 N-3 N-4 N-5 N-6 N-7 N-8 N-9 N-10 N-11 N-12 N-13 N-14 N-15 N-16 N-17 N-18 N-19 N-20 N-21

0-0

4E


NICOLET TP
1"=40 CHAINS.
BLOCK "A"
P
200 Ac.
Ref. 121 Mg.
BLOCK "B"
P 311 Ac.
P
400 Ac.
Ref. 119 Mg.