42A06SE0094 34 ELDORADO

Diamond Drilling

010

Township of ELDORADO

Report Nº 34

Work performed by: Utah Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
P 453337				
P 453336				
P 453340	I-1	246.0	May/78	(1)
P 453337				
P 453340	H-1	300.0	May/78	(2)
P 479029	L-2	351.9	May/78	(2)
P 453336	R-47	886.2	July/78	(3)
P 453340	1-3	356.0	Nov/79	(4)
P 504278	S-1	392.0	Nov/79	(4)

Notes:

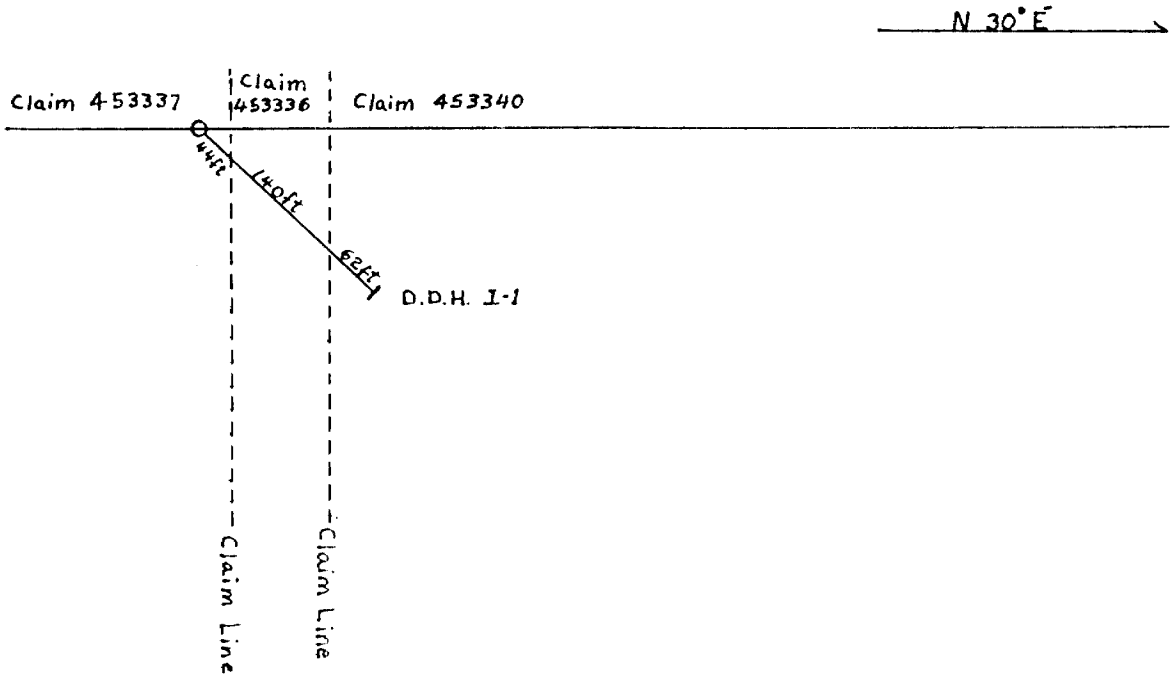
(1) #5 - 79

(2) #4 - 79

(3) #3 - 79

(4) # 208-79

WL 005(7-69) rev.9-72



UTAH MINES LIMITED
EXPLORATION DEPARTMENT
TORONTO ONTARIO CANADA

REDSTONE PROPERTY

ELDORADO TOWNSHIP

DATE	DRAWN	CHECKED	REVISED	N.T.S.	FILE	MAP
						OF

SCALE 0 200 400 FEET

7-5-79

HOLE NO. I-1
CASING COLLAR ELEV.: 992 GROUND ELEV.: 990'
COORDINATES: [illegible] N. [illegible] E.
INCLINATION: -45°00 BEARING: N 30°E

PROJECT: REDSTONE
DATE STARTED: 15 MAR 1978
DATE FINISHED: 18 MAR 1978
TOTAL DEPTH: 246'

PAGE NO: 1 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: Peter [illegible]

COMMENTS: DIP TEST AT 246' -[illegible]°

AVE CORE REC'Y / HOLE: 98%

DIP 46°
246 @ 42°

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
0					0-20 CASING IN OVERBURDEN							
10									CASING			
20	S W	S			20 - 122.7 MAFIC VOLCANICS DARK GREEN WITH WHITE TO BEIGE PATCHES DIFFERING TO A MUDDY BROWN ROCK IS VERY SHEARED WITH A STRONG SHEAR THROUGHOUT. SCHISTOSITY IS AT ALL ORIENTATIONS FROM PARALLEL TO PERPENDICULAR TO CORE AXIS WHITE FELDSPAR PORPHYROBLAST 0.25-3.0 cm IN SIZE ARE PRESENT IN VARYING AMOUNTS 10-80% OF THE ROCK, POSSIBLE REMNANT PHENOCRYSTS CHLORITIZATION VERY STRONG FOLLOWING SCHISTOSITY PLANES WITHIN THE SCHISTOSITY PLANES WHITE FELDSPAR SPOTTY FILLING OCCURS MAKING UP TO 50% OF THE ROCK BUT AVERAGING 30% OF THE ROCK MINOR, FOLIATION IS FOUND ALONG SCHISTOSITY PLANES (CRENULATION?) - ROCK IS NON MAGNETIC	NIL 0.5	20 32 35 40 50	100 0 100 100	BQ			
30				26.5-27.5 FG QTZ DIORITE CT @ 80° TO CA.								
40				32.0 - 35.0 LOST CORE 39.0-40.0 LARGE QTZ FELS PORPHYROBLAST 40.8 1" FELSIC BAND								
50				50.2' 1.5' FELSIC VOLC BAND CONTACT AT 70° TO CA								
60							60					

HOLE NO. I-1
CASING COLLAR ELEV.: 992 GROUND ELEV.: 990
COORDINATES: 103010 N. 17960 E.
INCLINATION: -45°00 BEARING: N36°E

PROJECT: [illegible]
DATE STARTED: MAY 16, 1978
DATE FINISHED: MAY 19, 1978
TOTAL DEPTH: 246'

PAGE NO: 2 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY:

SECTION	ALTERATION: Silicification	ALTERATION: Chlorite	ALTERATION: Carbonate	ALTERATION: Albite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60		S	W-M		W			20 - 122.7 MAFIC VOLCANICS AS BEFORE		0-0.5	60					
								64-66 - BROKEN CORE				100				
70																
80								~80 - 122.7 FEWER LARGE FELDSPAR PHENOCRYSTS ARE FOUND			80					
													BQ			
90												100				
100											100					
						Po		108.9 - Po BLEB 109 - 110.8 MASSIVE FG INT. FEL VOLC GREENISH GREY CONTACT AT 65° TO C.A.				100				
110																
								115.3 - 1" CHLORITE PORPHYROBLAST								
120					W						120					

HOLE NO. I-1
CASING COLLAR ELEV.: 992 GROUND ELEV.: 990
COORDINATES: 103010 N. 17360 E.
INCLINATION: -45°@0' BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: MAY 16, 1978
DATE FINISHED: MAY 18, 1978
TOTAL DEPTH: 241'

PAGE NO: 3 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY:

SECTION	ALTERATION: SERICITE	ALTERATION: CHLORITE	ALTERATION: CALCITE	ALTERATION: TALC	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
120	S	W			W	Py Po		120.5-121.7 - FELSIC VOLC BAND	20-122.7 MAFIC VOLCANICS (AS BEFORE)		120			122.7		
	W								122.7-130.5 IRON FORMATION	1						
									FINELY LAMINATED CHERTY IF WITH Py, Po IN THIN BAND AT 80° TO C.A. - IF IS VERY CHERTY AT UPPER CONTACT AND BECOMES MORE CHLORITIC TOWARDS THE LOWER CONTACT (CONDUCTOR)	10 - 30					100	tr
130		W	W						130.5-145.0 - MINERALIZED LAPILLI TUFF (CONDUCTOR) (PROBABLE AGGLOMERATE)			100		130.5		
									- FG GREEN ANDESITIC CHLORITIC MATRIX 70% WITH ROUNDED TO ELONGATE ANGULAR FRAGMENTS OF SIMILAR COMPOSITION OF 5 MM TO CORE DIAMETER SIZE - A DEFINITE ELONGATION ORIENTATION AT 80° TO C.A.	2					100	tr
140								137-139 - EASILY RECOGNIZED FRAGMENT OR CLASTS	MINERALIZATION OF Py + Po IS FOUND IN MATRIX IN BLEB AND STRINGER PARALLEL TO BEDDING, SULFIDE AVERAGE 2% OF ROCK		140			140		
														145	100	tr
									- 145.0-180.2 DACITIC LAPILLI TUFF				BQ			
150									- FG - APHANITIC DACITIC MATRIX MAKE UP 50-80% OF ROCK, MASSIVE TO SLIGHTLY LAMINATED	tr		100				
									- TUFFACEOUS FRAGMENTS ARE ANGULAR TO SUBROUNDED (AGGREOUS DEPOSITION) AND ARE OF SIMILAR COMPOSITION TO THE MATRIX, THOUGH IN SOME CASES THEY ARE MORE SILICEOUS (DACITIC?)							
									- SULFIDES MAINLY DISS + BLEB OF Py ARE RARE							
160									- SOME BANDS ARE PARTICULARLY TUFFACEOUS WHILE OTHERS ARE ONLY MASSIVE MATRIX. TUFFEOUS BAND ARE FROM INCHES TO SEVERAL FEET IN THICKNESS		160					
									- UPPER CONTACT GRADATIONAL							
									LOWER CONTACT DIPS AT 40° TO C.A.							
170												100				
180	W	W			W						180					

HOLE NO. I-1
CASING COLLAR ELEV.: 992 GROUND ELEV.: 990
COORDINATES: 103010 N. 17960 E.
INCLINATION: -45° @ 0 BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: MAY 16, 1978
DATE FINISHED: MAY 18, 1978
TOTAL DEPTH: 246' @

PAGE NO: 4 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY:

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180		W	Py		← 183 tr Py ← 187.0 - 2' ALTERED ZONE 197.5 - 3" ALTERED ZONE ← 198.0 DISS + BLEB PY 1%	180.2-184.0 DACITE TUFF DARK GREEN FG SLIGHTLY LAMINATED AT 40° TO C.A 184.0-203.9 DACITIC LAPILLI TUFF (PROBABLE PASSIVE DACITE) - FG-APHANITIC MATRIX, MASSIVE TO SLIGHTLY LAMINATED, DACITIC COMPOSITION (20-80% OF RK) - TUFF FRAGMENT OF SIMILAR COMPOSITION TO MORE SILICEOUS, RANGING IN SIZE FROM 5mm to cm, MOST ARE ANGULAR ELONGATIC, LITHIC FRAGS - LAMINATION AND FRAGMENT ELONGATION @ 50° TO C.A - LOWER CONTACT WITH DBSE DOES NOT APPEAR TO BE ALTERED, STRONG FRACTURING CAUSING BROKEN ROCK, CORE APPEARS TO BE ONLY VISIBLE CONSEQUENCE OF AN INTRUSIVE CONTACT. 206.9'-246' DIABASE LT GREYISH GREEN WITH SMALL WHITE SPOTS, - ESSENTIALLY EQUIGRANULAR, HOLOCRYSTALLINE HYPIDIOMORPHIC AND CONTAINS 60% PLAGIOCLASE (LABRADORITE?) AND 40% MAFICS (PYRAXENE) OCCASSIONAL PHENOCRYSTS OF PLAG UP TO 1.5 CM ARE FOUND BUT MAKE UP LESS THAN 1% OF THE ROCK	tr tr tr	180 200 220 240	100 100 100				
190													
200													
210													
220													
230													
240													

PAGE NO.: 3 OF 4

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: REDSTONE

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: I-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Pt	ASSAY Pd	
122.7	130.5	228		100	0.01	0.01	[illegible]	[illegible]	
130.5	140.0	229		100	0.01	0.01	[illegible]	[illegible]	
140.0	145.0	230		100	[illegible]	[illegible]	[illegible]	[illegible]	

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

HOLE NO. K-1
CASING COLLAR ELEV.: 975.5 GROUND ELEV.: 973.5
COORDINATES: 9,175 N. 18,470 E.
INCLINATION: -45° BEARING: N30°E

PROJECT: Redstone
DATE STARTED: May 19/78
DATE FINISHED: May 20/78
TOTAL DEPTH: 250

PAGE NO: 1 OF 5
REF. TO CLAIM CORNER:
SCALE: 1"=10'
LOGGED BY: D. Robinson

COMMENTS: U.M. - poorly developed spinifex texture. min - mod Talc. - Kam Bar to Kam Pyroxenite.

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY 0 @ -45° 250 @ -42°

SECTION	ALTERATION: serpentine	chlorite	carbonate	talc	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0										0	BQ			
10									10	0				
20									20	0				
30									30	0				
40									40	0				
50									50	0				
60	mod	mod	mod					tr	60	41%				

0-56 Overburden - boulders, sand, silt
- cased.

56-60 Ultramafic - (Komatiitic Lava - Flow) - Pyroxenite.
- med gry-blk msv - schist. v fg. mod Talcose
- poorly developed spinifex mica talc in 1-2mm

HOLE NO. K-1
CASING COLLAR ELEV.: 975.5 GROUND ELEV.: 973.5
COORDINATES: 9,175 N. 18,470 E.
INCLINATION: -45° BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: May 19/78
DATE FINISHED: May 20/78
TOTAL DEPTH: 250

PAGE NO: 2 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D Robinson

COMMENTS: msv Graphitic v.fg. amorphous. bk. 1" thick. QFP unit - appears subvolc - poorly developed plag phenos strong pk-grn alteration throughout

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Sericite	ALTERATION: Chlorite	ALTERATION: Carbonate	ALTERATION: Silica	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
60	mod.	minor	mod					56-68.9 Ultramafic (Pyroxenite) - med grey-bk, msv v.fg. (schistose), min calc. min magnetite veinlets & blebs - Talcose 62. mev Talc. - good spinifex @ 61-62.	tr		100	BQ			
70						Py	UM	68.9-71.2 Graphitic Tuff - top 12" lt grey v.fg well laminated or foliated tuff becomes v mev bk. - abun calc blebs - bottom msv v.fg. Graphitic.	1%	70	100				
80			mod.					71.2-89.3 Ultramafic Pyroxenite v.msv. v.fg. - lt grey top med. grey-grn becoming grn-bk - poorly developed spinifex @ 72-73. - calc & mag. vn. & blebs @ 73.5 narrow zone → (talc-tremolite?). orange carb @ 15 - U.M. becomes v.grn-bk Peridotitic	0.1	80	95				
90			mod			Py		-89.3. U.M abun magnetite vns & blebs Peridotitic	0.1 to tr	90					
100						Py		89.3-97.7 QFP - xtal Rhy Tuff - lt grey top becoming v. pink & olive grn (alteration affects) - poorly developed plag phenos 1-2 mm 30-40% allotriomorphic - unit appears subvolc - abun chl specs throughout	0.1	100	100				
								97.7-99.5 U. Mafic - med grey-grn v. Talcose mag. vn. & blebs. - chlitz mafic volc top & bottom.		100					
								99.5-102.5 QFP - xtal Rhy Tuff lt grey-pk v.fg vmsv minor plag phenos v abun chl specs allotriomorphic			100				
110								102.5-105.1 U. Mafic med grey-grn v.fg msv. abun mag. veinlets & blebs - mod chlitz. minor T.		110					
								105.1-117.85 QFP - xtal Rhy Tuff - lt grey-pk, v.fg msv abun wt plag phenos, allotriomorphic appears subvolc.			100				
120								117.85 - U. Mafic (Pyroxenite) - strong [illegible]		120					

HOLE NO. K-1
CASING COLLAR ELEV.: 975.5 GROUND ELEV.: 973.5
COORDINATES: 9,175 N. 18,470 E.
INCLINATION: -45°90 BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: May 19 /78
DATE FINISHED: May 20/78
TOTAL DEPTH:

PAGE NO: 3 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D Robinson

COMMENTS: JE - contains graphite. py & po bands occasionally appears to be a banded tuff (Mod - Inc) QFP - plag phys are poorly developed ≈ xtal Rhy Tuff subvolcanic unit.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Sericite	Chlorite	Calcite	Talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120	weak	strong		weak		py		117.85 - 127.05 Ultramafic Pyroxenite - med grn, vfg. strongly schistose. dense conc of mag. blebs & vns 1-2mm. - abun py cubes & blebs, minor po weakly magnetic, no Ni xm.	1%		100	PQ			
130		minor				py		127.05 - 132.9 xlln Rhy Tuff (subvolc ?) - vfg pk and grn v.msv med chlts zones weakly laminated - zones w/ wt plag phenos 1-2 mm poorly developed.	1%	130					
		mod		minor		py po		132.9 - 139.4 abun py cubes <1mm & in vns min qtz vns Ultra Mafic Pyroxenite - vfg med grn msv - schistose abun mag vns & blebs - vfg py & po specs ymin qtz vns, 2-3 mm	0.2		100				
140								139.4 - 140.4 Int - felsic xlln R-D Tuff - vfg msv - sch Hgrygrn, mod chlts		140					
								140.4 - 141.85 U.M. - vfg schistose, med grn, abun mag vn chlts IN lgt. albite							
150		minor						141.85 - 158.3 Int felsic xlln R-D Tuff to QFP (sub volc). Hgry-grn v.msv to schistose mod chlts. allotriomorphic. QFP texture to plag phenos. V. poorly developed - lower section abun plagphenos 1-2 mm		150					
160		mod	mg			py		158.3 - 160.85 Int Dac-Tuff Hgrn-gry vfg. strongly calcified blebs. mod chlts. abun vfg py minpo weakly magnetic	1%	160					
								160.85 to 178.9 Detailed on next page	2%						
170									1%	170					
180										180					

HOLE NO. K-1
CASING COLLAR ELEV.: 975.5 GROUND ELEV.: 973.5
COORDINATES: 9,175 N. 18,470 E.
INCLINATION: -45° @ 0 BEARING: N30°E

PROJECT: Kidstone
DATE STARTED: May 19/78
DATE FINISHED: May 2 '78
TOTAL DEPTH: 250'

PAGE NO: 3 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" - 10'
LOGGED BY: D Robinson

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120													
130								130					
140								140					
150								150					
160					160 - 161.5 Int - felsic tuff ≈ abun sulf. py & po 161.5 - 162 IF msv py lenses & stringers in grey chert 162 - 163.7 xtal Rhy Tuff 163.7 - 164.5 IF bands msv vfg Graphite - minor tuff present 164.5 - 164.9 xtal Rhy tuff - lt grey ≈ 1mm wt plag phenos abun py cubes. 164.9 - 165.9 Msv Graphite ≈ py bands 1-mm & stringers vn lts 165.9 - 167.2 xtln Rhy tuff lt grey vfg - veiderrow. nodules of plag phenos minor chl. 167.2 - 168.3 IF - Graphitic top ≈ py, bands of po + py bottom ≈ grey chert		1%	160	100				
170			py po	IF	168.3 - 168.8 Int tuff bed lt grey vfg. 168.8 - 169.8 IF top ≈ 2cm po, po bands & py bottom 4" Int sulf bearing Tuff 169.8 - 170.9 QFP 170.9 - 171.7 Hnd Tuff ≈ wt-beige int beds & minor po seams		2.35%	170			168.8 169.8		
			po		171.7 - 175.4 QFP								
			po		175.4 - 176.15 sulf bearing Hnd-Dac tuff ≈ 176.15 - 177.2 QFP		1%		100		177.2		Cu Mo Pb Zn
180			po py		177.2 - 179.1 sulfide bearing Hnd-Rhy Tuff medgrn & gran ds 0.5cm - 2.4mm ≈ py, po, seams along schistosity 1-2mm ≈ wt-grey ash bands			180			178.9		

HOLE NO. K-1
CASING COLLAR ELEV.: 975.5 GROUND ELEV.: 973.2
COORDINATES: 9,175 N. 18,470 E.
INCLINATION: -45° @ 0 BEARING: N 30°E

PROJECT: Redstone
DATE STARTED: May 19/78
DATE FINISHED: May 20/78
TOTAL DEPTH: 256

PAGE NO: 4 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson

COMMENTS: alternating sequence of a Felsic grey plag & bandded Int Volc Tuff - lt grn grey - v.f.g very irregular sequence

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: sericite	chlorite	carbonate	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
180		med	minor			po py		178.85 - 180.3 QFP lt grey v.f.g v.msv. scattered wt plag phenos.				RQD	180		0.2 Ni 0.5 Cu
								180.3 - 180.7 IF @ 180.3 - 2cm irregular band of po, cpy. mag. blebs					185	100	
						po py		180.7 - 189.95 Intermediate Andesite med grn v.f.g. banded. abun po lenses & vns. - mod chlt2 min calc vns po, py. 183.4 - 184.1	2%		100				
190						po		191.2 - 191.9 QFP lt grey v.msv. f.g wt plag phenos po seams & blebs @ 191.1		190					
		moderate	minor					189.9 - 194.4 QFP 4% xline felsic Tuff - lt grey v.f.g v.msv. min. wt plag phenos.	0.1		100				
								194.4 - 203 Intermediate And. Dac lapilli Tuff - med grn to grey v.f.g. banded mod chlt2 min stretched lapilli visible. min garnets @ 194.8 py coatings along schistosity		200					
200						py		203 - 204.95 ±2 QFP lt grey v.f.g v.msv poorly developed plag phenos.	tr						
								204.95 - 205.3 ±2 Int And - Dac Tuff			100				
								205.3 - 206.85 ±2 QFP - lt grey v.f.g v.msv. wt plag & qtz phenos							
								206.85 - 208.9 ±2 Int And-Dac Tuff - med grn-grey v.f.g. v.msv laminated mod chlt2		210					
210								208.9 - 209.5 ±2 QFP	1%						
						po		209.5 - 214.6 ±2 Inter AndDac lapilli Tuff - lt grey lapilli 0.5cm in length along schistosity			100				
								212.2 - 212.4 cherty band IF min po seams 1mm							
								214.6 - 215.6 ±2 QFP - lt grey v.msv f.g. wt plag phenos. 2 smoky grey Qtz eyes	0.1						
220		moderate						215.6 - Int - Felsic Dac - RD lapilli Tuff lt grey - grn v.f.g v.msv laminated or banded grey grn grey dk siliceous m chlt2		220					
								224.5 - 226.6 - becomes more intermediate @ 220 Dac - And mod chlt2 @ 220.5 Garnet zone throughout to 239.5			100				
								QFP - lt grey, v.msv poorly dev wt plag phenos	tr 1%	230					
230						py		226.6 - 234.5 Int. And Tuff - med grn & grey banded v.f.g mass to banded abun ph garnets throughout d.f	0.1						
								234.5 - 235.7 QFP			100				
								235.7 - 239.35 Int And - Dac Tuff - mass - garnets fresh							
240										240					

HOLE NO. K-1
CASING COLLAR ELEV.: 975.5 GROUND ELEV.: 973.5
COORDINATES: 9,175 N. 18,470 E.
INCLINATION: -45° @ BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: May 19/78
DATE FINISHED: May 20/78
TOTAL DEPTH: 250'

PAGE NO: 5 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" - 10'
LOGGED BY: D. Robinson.

SECTION	ALTERATION: PROPYLITIC	ALTERATION: ARGILLIC	ALTERATION: SILICIFIED	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
240	mod.	minor			py po		239.35 - 245.1 Qtz. Sericite Rhyolite - lt grey vfg, v msv. leaks tuffaceous in places. minchl specs throughout.		0.2		100	BQ			
250							245.1 - 250 Int. Arg. Tuff - mod yellow laminated mod chlitz albite, fg pk garnets throughout mn po & py @ 245.2. vfg. po vn @ 248.6. 2 mm thick 1mm avg.			250					

end of hole D. Robinson.

PAGE NO.: 3 OF 5

CASING COLLAR ELEV.: 97[illegible] GROUND ELEV.: [illegible]

COORDINATES: 7,175 N. 16,470 E.

INCLINATION: -45° BEARING: N30°E

-40° @ 250'

PROJECT: Kidstone

DATE STARTED: May 19/78

DATE FINISHED: May 20/78

TOTAL DEPTH: 2[illegible]

HOLE NO.: K-1

REF. TO CLAIM CORNER:

SCALE: 1" - 10'

LOGGED BY: D. Robinson

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Au	ASSAY Ag		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
160	162	307	24	100	0.005	0.01	0.002	0.02											
163.7	164.5	306	14.4	100	0.01	0.01	0.002	0.02											
164.9	165.9	305	12	100	0.01	0.02	0.002	0.02											
167.2	168.4	304	14.4	100	0.005	0.01	0.002	0.02											
168.8	169.8	303	12	100	0.005	0.01	0.002	0.02											
177.2	179.9	302	20.4	100	0.005	0.01	[illegible]	[illegible]											

PAGE NO.: 4 OF 5

CASING COLLAR ELEV.: 9750 GROUND ELEV.:

COORDINATES: 7,175 N. 18,470 E.

INCLINATION: -45° BEARING: N30°E

PROJECT: Redstone

DATE STARTED: May 19/78

DATE FINISHED: May 20/78

TOTAL DEPTH: 290'

HOLE NO.: K-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. Robinson

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Au	ASSAY Ag		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
180	185	301	60	100	0.1	0.03	0.002	0.07											

180

190

200

210

220

230

240

HOLE NO. L-1
CASING COLLAR ELEV.:
GROUND ELEV.: 999
COORDINATES: 9,510 N. 19,100 E.
INCLINATION: -45°
BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: May 22/78
DATE FINISHED: May 23/78
TOTAL DEPTH: 250.11

PAGE NO: 1 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" - 10'
LOGGED BY: D Robinson.

COMMENTS: U.M. - mod. serp'n. contains mag. vns & mte relatively fresh no visible sulfides = Peridotite.

AVE CORE REC'Y / HOLE

0 @ 45°
250.4 @ 43°

SECTION	ALTERATION: Serp	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0								0 - 52.85 Overburden - sand silt boulders	n i l		0	BQ			
10										10	0				
20										20	0				
30										30	0				
40										40	0				
50										50	0				
	mod.	mod.	v. min.	minor		mte	J.H.	52.85 - 65.35 Ultramafic - Peridotite. v.f.g. dk grn. bk, v.msv. mod abun. mag. vns 1-3 mm 45° to C.A. - mod serp'n., mte blebs & in mag vns & in U.M. itself. [illegible] 3" band of orange unit 50° to C.A. U.M. becomes pale grn @ 54.5	tr.		71				
60										60					

HOLE NO. 6-1
CASING COLLAR ELEV.:
GROUND ELEV.: 999
COORDINATES: 9,510 N. 19,100 E.
INCLINATION: -45°
BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: May 22/78
DATE FINISHED: May 23/78
TOTAL DEPTH: 250.4

PAGE NO: 2 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" - 10'
LOGGED BY: D. Robinson

COMMENTS: - U.M - Talcose upper contact, abun mte blebs & vns, abun magnesite vnlts., cumulate appearing textures @ 75-76 & throughout to lower contact.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: serp.	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60	mod.	mod.		HIGH		mte py pn		52.85 - 65.35 Ultramafic - Perid. - med grn-gry, vfg. v. msv. - v. abun mag vns & blebs, mod. serp. becomes highly T @ 63. - mte ≈ in mag. vns. & as diss blebs in U.M.	0.1		98	BQ			
70	mod.	str. mod.	v. minor	HIGH		mte py pn		65.35-67.5 - strongly chltz towards lower contact. - diss py blebs & cubes microscopic size - v. weak Ni rxn. minor pn. QFP - lt brn, abun qtz & plag phenos 30% 2mm size - matrix contains abun trn-bk biotite ∴ brn colour.	0.1	70					
80	mod.	mod.		mod.		mte py		67.5 - Ultramafic - Peridotite - vfg. pale grn v. T. top. schistose & becomes msv. & lighter becomes dk grn-bk - upper contact - strongly chltz MV - upper zone to 74 v Talcose ≈ abun mte blebs & vns throughout - U.M appears cumulate in texture @ 75-76, 77-78.5, - regular cumulate intervals - vfg in between - most abun of mag vns. @ 45° to C.A. throughout avg 1-3 mm - v. minor hair-line calc vns	0.1	80	100				
90	mod.	mod.	v. minor	mod.		mte py		- @ 88.5 sharp contact - flow contact ≈ brn altn. var. serp? - throughout U.M py is microscopic msv ≈ v. min. po blebs. mte continues as blebs & vns of mte or ≈ mag vns. - no Ni rxn throughout @ 90 - 91.5 msv talc & mag vns. @ 96.4 - 1" mag vn 70° to C.A U.M. is vfg dk grn-bk & msv ≈ a few cumulate zones.	0.2	90	100				
100	mod	HIGH		HIGH		mte py mte		100 - 106.15 U.M becomes v. schistose & fractured v. strongly chltz & talcose towards lower contact, very magnetic 100 - 103.3	0.1 0.2	100	100				
110		mod.	v. minor					106.15 - 109.4 cherty Felsic tuff lt grey-wt, vfg. v msv abu. chlorite seams 1mm msv 1" band of chl & dk biotite at upper contact. bio specs throughout 109.4 - 127.35 Qtz Porc. Pfy lt grey-brn, vfg, vmsv., plag & qtz phenos ≈10% comp - abun qtz & minor hairline calc. vnlts @ 117.6 - 118.4 - pale grn chltz unit ≈ v minor qtz eyes possible shear zone	trace	110					
120										120					

HOLE NO. L-1 | PROJECT: Redstone | PAGE NO: 3 OF 5

CASING COLLAR ELEV.: | GROUND ELEV.: 999 | DATE STARTED: May 22/78 | REF. TO CLAIM CORNER:

COORDINATES: 9,510 N. 19,100 E. | DATE FINISHED: May 23/78 | SCALE: 1" = 10'

INCLINATION: -45° | BEARING: N30°E | TOTAL DEPTH: 250'4 | LOGGED BY: D. Robinson

COMMENTS: L-1 conductor - Sulfide facies & graphitic Iron formation @ 155.7. Garnet zone @ 166 to 178.6.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: pyrite	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120	moderate to v. moderate	moderate to moderate	v. minor	moderate				109.4 - 127.35 · Qtz Dac Pfy H grey-brn min Qtz & plag phenos few bleached zones, biotite rich @ lower contact blk & micaceous, abun qtz vns 1/2 mm 30° to C.A.	trace		100	BQ			
130				moderate		py, mte, py, mte		127.35 - 155.7 U.M. - Peridotite · vfg - dk-grn blk, v.msv, abun mag. vns ≤2 mm @ 45° to C.A., mod. serp'n. - weakly magnetic due to diss mte throughout unit, - upper contact - 6" of chltz MV. vfg. vmsv v.chltz - min. py blebs <1mm diameter.	0.1	130	100				
140								Pyroxenite - Mafic Vole - @143.9 - U.M. becomes med grey-grn v.chl rich, mag. vns common, becomes H grey @ 150 & increasing Talc - fresh surf illustrates slickenslide texture. - mod Ni rxn @ 146 - 147. - flow contact? - mod. amt of sulfide specs microscopic size py, po & vminor pn.	0.1 / 0.7	140	100		145.9 / 147.5	100	0.2 N.
150				moderate		py, po, pn.				150					
					FX			155.7 - 161.1 Graphitic cherty Iron Formation - H grey vfg vmsv v. siliceous IF, bedding 10° to C.A. - matrix vfg. cherty. - bands of po 2-3cm max @ 157.7, 159 - sulfides py-po lenses & bands // to bedding. - minor graphite present	7%	160	100		155.7 / 161.	100	
160		moderate	minor			py, po									
						po		161.1 — Intermediate Dac to And Lapilli tuff H grey-grn becoming med grn @ 165. vfg vmsv bedding @ 10-20° to C.A., H grey lapilli & minor ash beds <2cm thick throughout. Garnet zone @ 166. dense cone for 1' - scattered to 174 - 178.6 - dense cone. H pk 1-2mm diam along bedding min po seams along upper contact below IF - min calc vns 1-2mm @ 45 to C.A.	0.1 / 0.2	170 / 180	100 / 100				
170															
180															

HOLE NO. L-1 | PROJECT: Redstone | PAGE NO: 4 OF 5

CASING COLLAR ELEV.: | GROUND ELEV.: 999 | DATE STARTED: May 22/78 | REF. TO CLAIM CORNER:

COORDINATES: 9,510 N. 19,100 E. | DATE FINISHED: May 23/78 | SCALE: 1" = 10'

INCLINATION: -45° | BEARING: N30°E | TOTAL DEPTH: 250.4 | LOGGED BY: D Robinson

COMMENTS: Garnet zone 207 - 202.8 only min po seams in a chlt + And tuff. Very weak conductor @ 217.3. probably would not respond on geophysical instruments.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: serpentine	carbonate	chlorite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
180	minor to mod.	minor to mod.						161.1 - Int Dac tuff (minor And. tuff beds) - lt gry - grn vfg - vmsv, v. siliceous bedding ~80° to C.A. - min chl, scattered calc vns 1mm - 2mm 45° to CA - 191.6 - 193.6 med grn And bed mod. chlt, ≈ msv po band 1cm @ 192.1 min po seams & lenses throughout unit	trace 2%	170	100 100	BQ	191.6 193.6	100	
190						po po									
200						po		200 - 217.3 Int Dac & And tuffs lt gry-grn & med grn vfg vmsv bedding 60° to C.A. - occasional wt-gry ash lrd 2cm thick - @ 202 po lens ≈ abun garnets // to bedding. to 202.7 - @ 207 min fragmental zone angular & elliptical frags 1/m lapilli 1-2 cm length 0.5 - 1cm wide - @ 216.5 - 216.4 pk garnets // to bedding.	0.1 0.5 0.1	200 210	100				
210							} lapilli								
220						po po		217.3 - 220.5 cherty Iron Formation - v. sparsely mineralized wt-gry cherty IF - v min po seams on fracture fillings @ 217.5, 219.6, 220.3.	0.5	220	100				
230			mod. chlorite					220.5 - 240 Intermediate Dac tuff - lt gry - grn vfg vmsv. bedding 70° to CA. - mod calc vn. 1-2 mm 30-45° to C.A, mod. chlt. @ 234 - 234.5 And bed mod grn mod chlt + strongly calcified @ 238.5 Int - Felsic tfly - Dac tuff - lt gry vmsv bedded 85-90° to C.A.	trace	230	100 100				
240										240					

HOLE NO. L-1
CASING COLLAR ELEV.:
GROUND ELEV.: 4999
COORDINATES: 9,510 N. 19,100 E.
INCLINATION: -45°
BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: May 22/78
DATE FINISHED: May 23/78
TOTAL DEPTH: 250.4

PAGE NO: 5 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" - 10'
LOGGED BY: D. Robinson

SECTION	ALTERATION: Sericite	ALTERATION: Chlorite	ALTERATION: Epidote	ALTERATION: Talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
240	mod-hvy	mod-hvy			/	po		238.5 – 243.5 Int - Felsic Rhy - Dac tuff - lt grey v/f g vmsv bedding 85-90° to C.A. - v. siliceous min calc vn.		0.2 ↓ tr		100	BQ ↓			
250.4					/			243.5 – 250.4 Int Dac tuffs & minor Dacite tuffs lt grey - grn vmsv bedding 85-90° to C.A. minor lapilli @ 244.5 - po seams @ 243.6 - min calc & qtz vns end of hole			250 260	49%				

PAGE NO.: 3 OF 5

CASING COLLAR ELEV.: GROUND ELEV.: 999

COORDINATES: 9,510 N. 19,100 E.

INCLINATION: -45 BEARING: N30°E

-40 @250'

PROJECT: Rockstone

DATE STARTED: May 22/78

DATE FINISHED: May 23/78

TOTAL DEPTH: 250.4'

HOLE NO.: L-1

REF. TO CLAIM CORNER:

SCALE: 1"-10'

LOGGED BY: D. Robinson

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Mn	ASSAY Mg		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY		
150.4	152.4	231	24	100	0.17	0.005	0.002	0.005											
155.7	161.1	232	64.8	100	0.01	0.01	0.002	0.002											

PAGE NO.: 4 OF 5

CASING COLLAR ELEV.:

GROUND ELEV.: 999

COORDINATES: 9,510 N. 19,100 E.

INCLINATION: -45°0.0' BEARING: N30°E

PROJECT: Redstone

DATE STARTED: May 22/78

DATE FINISHED: May 23/78

TOTAL DEPTH: 250.4

HOLE NO.: L-1

REF. TO CLAIM CORNER:

SCALE: 1" - 10'

LOGGED BY: D. Robinson

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Au	ASSAY Ag		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY		
191.6	193.6	233	24	100	0.12	0.06	0.01	0.1											

HOLE NO. [illegible]
CASING COLLAR ELEV.: [illegible] GROUND ELEV.: [illegible]
COORDINATES: [illegible] N. [illegible] E.
INCLINATION: [illegible] BEARING: [illegible]

PROJECT: [illegible]
DATE STARTED: [illegible]
DATE FINISHED: [illegible]
TOTAL DEPTH: [illegible]

PAGE NO: 1 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: [illegible]

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY (0 @ 45°, 300 @ 39°)	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
0					0-14 Casing.								
10													
					14-82.3 Highly Altered Felsic and Minor Int. Tuffs.			14					
					14-21.2 fo to aphanitic Rhyolite tuff pink with minor chlorite patches (4.3)		M L	20	100				
20					21.2-22.6 broken core appears to be more compacted								
					22.6-26.7 pink fg to aphanitic rhyolite								
					26.7-29.2 [illegible]								
					26.1-29.2 [illegible]								
30					29.2-52.2 Rhyolite tuff partially recrystallized (g.t.) fragments [illegible] 37-51 disseminated pyrite [illegible]		.5						
40					fractures			40					
							.5						
50					52.9-53.4 [illegible]								
	S	M			53.4-82.3 [illegible] Rhyolite tuff								
	S	S			Various shades, brown weathering								
60					[illegible] tuffaceous			60					

#4-79

HOLE NO. H-1
CASING COLLAR ELEV.: 1017
GROUND ELEV.: 1015 approx
COORDINATES: [illegible] N. 16820 E.
INCLINATION: -45.0
BEARING: N50°E

PROJECT: [illegible]
DATE STARTED: [illegible]
DATE FINISHED: [illegible]
TOTAL DEPTH: [illegible]

PAGE NO: [illegible] OF [illegible]
REF. TO CLAIM CORNER:
SCALE: [illegible]
LOGGED BY: [illegible]

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60					64.8-67.5 [illegible]		1						
	M						r						
70					72.1-75.1 [illegible] tuff		9		100				
	M												
	H S				76.4-78.0 [illegible]		c						
80							e	80					
					82.3-85.4 Chlorite carbonated [illegible]		1						
	H M				85.4-91.4 [illegible] QFP (probably [illegible])		r						
	V S				siliceous vaguely porphyritic (possibly [illegible])		a						
	S L				[illegible]		c		100				
	I C				[illegible]		c						
90	H F				91.4-94.1 [illegible] tuff		[illegible]						
	V M	H			94.1-96.0 [illegible]		[illegible]				96		
	S M				96.0-122.2 Felsic tuff.								
	H M				grey fg - aphanitic, siliceous - carbd stone [illegible]			100					
100	I C						2					100	
	H O												
	L D										106		
	Y												
	V [						1o						
110	A											100	
	R P												
	I										114		
	P P						5%						
	A T												
	E F											100	
120													

HOLE NO. H-1

CASING COLLAR ELEV.: 1017 GROUND ELEV.: 1015

COORDINATES: [illegible] N. 16820 E.

INCLINATION: [illegible] BEARING: [illegible]

PROJECT: [illegible]

DATE STARTED: [illegible]/78

DATE FINISHED: [illegible]/78

TOTAL DEPTH: [illegible]

PAGE NO: 3 OF 5

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: [illegible]

SECTION	ALTERATION: Silicification	ALTERATION: Chlorite	ALTERATION: Sericite	ALTERATION: Carbonate	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120								122.2-126.1 Poor to Mod well developed QFP (Above [illegible])		5%				122.2	100	
								126.1-129.4 Pb Py Iron Formation.		N				128.1		
		M Py	W					sulfide poor py is rextalized		3-5				127	100	
								and chlorite [illegible] gossan				100		127.5		
130														129.4	100	
								129.4-144.8 Felsic tuffs (and QFP)		t						
								finely bedded felsic tuffs with gradational								
								changes to QFP [illegible]								
140										9	140					
										c						
								144.8-153.7 Highly Hematic andesite tuff		c				144.8		
		H	M					up to 10% altered garnet (in short section)		2						
		I						up to 5% py (po) [illegible]		to					100	
150		C	O					- appears to be up to 20% amphibole also minor				100				
		H	D					[illegible]		4%				153.7		
								153.7-168.1 Dacite Tuff		t						
								[illegible]								
								[illegible]			160					
160								dark [illegible] grey		t						
										0						
								168.1-[illegible] Felsic Tuff								
								[illegible] to aphanitic								
170								168.1-172.6 [illegible] grey felsic tuff				100				
		M	H					172.6-173.4 highly cont'd chl andesite.		to						
			H					173.4-174.0 [illegible] slightly chloritic felsic tuff								
								174.0-175.7 highly cont'd chl andesite								
180								175.7-[illegible] strong grading grey felsic tuff		.5						

HOLE NO. H-1 | PROJECT: [illegible] | PAGE NO: 4 OF 5

CASING COLLAR ELEV.: 1017 | GROUND ELEV.: [illegible] | DATE STARTED: [illegible] | REF. TO CLAIM CORNER:

COORDINATES: [illegible] N. [illegible] E. | DATE FINISHED: [illegible] | SCALE: 1"=20'

INCLINATION: [illegible] | BEARING: [illegible] | TOTAL DEPTH: [illegible] | LOGGED BY: [illegible]

SECTION	ALTERATION: Sericitic	Chloritic	Carbonate	Talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180								183.6 - 200.4 Lean cherty Iron Formation. - basically variable cherty & very chloritic - well banded in places to approx (60-70°to CA) - sulphides (pyr) [illegible] throughout in veins occasionally [illegible] along bedding planes (no stypic [illegible] [illegible] into [illegible] veins at 191.[illegible] 191.[illegible]		t r 5 to 10				183.6 191.6 200.4	100 100	
190	S L I G H T H I	M to S L I C H T				Py Py						100				
200								200.4 - 202.5 Banded Felsic [illegible] 70° to CA. 202.5 - 203.6 Massive Felsic [illegible] 203.6 - 216.7 Carbonate [illegible] - highly sheared - well banded. 60-70° to CA. up to 2.5 [illegible] in some places (average 5-1[illegible]) - appears to [illegible] with [illegible]		.5	200					
210						Py						100				
220	S L I G H T H I G H	I C H T V S L I G H T						216.7 - 234.4 Dacite Tuff. aphanitic weakly to moderately well banded chunks [illegible] up to 5" occasionally visible		t r a c c						
230												100				
240						Py		234.4 - 240.7 Chloritic [illegible] with [illegible] [illegible]		1%	240					

HOLE NO. H-1

CASING COLLAR ELEV.: 1017 GROUND ELEV.: 1015

COORDINATES: 4930 N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 322

PAGE NO: 5 OF 5

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Brian Newham

SECTION	ALTERATION (Sericitic, Chloritic, Silicic, Tourmaline)	FRACTURING	MINERAL	GEOLOGY	COMMENTS: 246.5.	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
					DESCRIPTIVE GEOLOGY								
240					240.7 - 246.0 Dacite [illegible] fragments (lapilli) [illegible]								
250	H I G H				246.0 - 253.1 Chlorite-pyrite [illegible] fragments (lapilli) from [illegible]		.5		100				
					253.1 - 257.4 Felsic tuff (QFP) [illegible]								
260					257.4 - 294.0 [illegible]			300					
					[illegible]		.5						
270					[illegible]		1.7						
					[illegible]								
280					[illegible]		1	330					
					[illegible]								
290					294.0 - 300 [illegible]								
300					[illegible]								

PAGE NO.: 2 OF 5

CASING COLLAR ELEV.: [illegible]

GROUND ELEV.: [illegible]

COORDINATES: 9950 N. 16820 E.

INCLINATION: -45 [illegible] BEARING: [illegible]

PROJECT: [illegible]

DATE STARTED: [illegible]

DATE FINISHED: [illegible]

TOTAL DEPTH: 300 [illegible]

HOLE NO.: H-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: BLP

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	ASSAY Cu	ASSAY Hg			DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
60																			
70																			
80																			
90																			
100																			
	106	108	220		100	0.03	0.[illegible]	0.022											
[illegible]	108	114	221		100	0.[illegible]	0.01	[illegible]											
	114	122.2	222		100	[illegible]	0.01	[illegible]											

PAGE NO.: 5 OF 5

CASING COLLAR ELEV.: 1317 GROUND ELEV.: 1315

COORDINATES: [illegible] N. [illegible] E.

INCLINATION: [illegible] BEARING: [illegible]

PROJECT: [illegible]

DATE STARTED: [illegible]

DATE FINISHED: [illegible]

TOTAL DEPTH: [illegible]

HOLE NO.: [illegible]

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: [illegible]

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Zn	ASSAY Cu	ASSAY Ag			DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
114	122.2	222		100															
125.1	127	223		100	0.005	0.01	Nil												
127.5	129.4	224		100	0.005	0.01	[illegible]												
141.8	153.7	225		100	0.005	0.01													

120

130

140

150

160

170

180

PAGE NO.: 4 OF 5

CASING COLLAR ELEV.: 1017 GROUND ELEV.: 1015

COORDINATES: 9950 N. 1682.3 E.

INCLINATION: -45.5° BEARING: N35.0E

PROJECT: Redstone

DATE STARTED: 11/11/78

DATE FINISHED: 11/12/78

TOTAL DEPTH: 300' 6" NT

HOLE NO.: H-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: BP

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Au			DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
183.6	191.6	226		100	0.01	[illegible]	Nil												
191.6	200.4	227		100	0.03	0.01	Nil												

HOLE NO. L-2 | PROJECT: [illegible] | PAGE NO: 1 OF [illegible]

CASING COLLAR ELEV.: | GROUND ELEV.: 1032 | DATE STARTED: [illegible] | REF. TO CLAIM CORNER:

COORDINATES: 9,470 N. [illegible] E. | DATE FINISHED: May 27/78 | SCALE: [illegible]

INCLINATION: -46° | BEARING: N 35° | TOTAL DEPTH: 51.9 | LOGGED BY: [illegible]

COMMENTS: And tuffs - med grn fg, mod chltz, strongly calcified throughout - abun py throughout.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: pyrite	chlorite	carbonate	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY (0 @ 45°, 51.9 @ 45°)	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
0	minor to moderate	minor to moderate	minor to mod.					0-1.7 Overburden - sand, silt				PQ			
								1.7-24.8 Int-Felsic Rhyo-Dac tuffs Andesitic to mafic lowers content. - lt grey-grn, vfg, v.msv, v siliceous. - calc vn throughout. @ 7' - 2cm vuggy vn qtz & qtz - intm - mod chltz, v. fractured @ 21' - becomes chltz And med grn vfg. - v. weak bedding or lineation @ 55° to CA. in sections	trace	10	82				
10											100				
20										20					
								2 And							
						Py		24.8-25.7. chrsly wt band base of calcite - smoky wt vfg v msv silica band.	nil		100				
30	moderate	min to mod.				Py		25.7-40.3 Int And & Dac tuffs - med grn mod-str chltz msv And to lt grn-grn vfg. v msv med siliceous min chltz Dac. - min calc vn throughout section - py cubes well developed in Andesitic sections @ 28.2, 29.8, 30.5, 32.3	0.2	30	100				
								Int-Felsic tuffs - And - mod fractured fg. calcified		40					
40								- @ 40.3 - ≈ 43.9 Int-Felsic Rhyo-Dac - lt grey-grn vfg v msv 2qtz vns weakly laminated or bedded							
	moderate	mod to strong				Py		43.8 - Int chltz And tuffs - med grn fg msv, mod chltz, mod str calcified And ≈ abun py cubes, calc in vnlts & throughout core. - bedding @ 35° to C.A. @ 48 abun conc py cubes & calc vn	0.2 to 0.5	50	100				
50								- core regularly fractured			100				
60										60					

HOLE NO. L-2 | PROJECT: Redstone | PAGE NO: 7 OF 6

CASING COLLAR ELEV.: | GROUND ELEV.: 1032 | DATE STARTED: May 25/78 | REF. TO CLAIM CORNER:

COORDINATES: 9,470 N. 20,485 E. | DATE FINISHED: May 27/78 | SCALE: 1" = 10'

INCLINATION: -45° | BEARING: N 30° E | TOTAL DEPTH: 351.9 | LOGGED BY: [illegible]

COMMENTS: Py is more in the more chltz And units vs the more siliceous Dac which contain v. minor sulfides

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: sericite	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
60	moderate to STRONG	moderate	minor to v. weak					43.8 - 85 Int. And tuffs to And-Dac tuff predominantly And - med grn to lt grn-gry - mod chltz, strongly calcified calc blebs & subhedral to subhedral laths @ 71, 74 - abun py throughout 1mm - 0.5 mm - weak bedding plane or schistosity plane @ 65° to C.A - mod. siliceous, to poorly siliceous - minor cone of py cubes @ 74 in the more Andesitic chltz unit - mod fractured throughout. - gradational contact to chltz M.V.	0.2		100	BQ			
70									0.1	70	100				
80								85. Mafic Vole - chltz Bas-And (chl schist) - med grn, med. schistose, bedding @ 60-70° to C.A. - grey-wt magnesite eyes/stringers along schistosity. 40% cone 1-2 mm elliptical diam - qtz vns @ 98.4 2-3cm thick. - v weak	0.1	80	100				
90								100 - 117.6 [illegible] - Kam. Dac - med grn vfg strongly chltz, [illegible] schistose - abun magnesite blebs & veins throughout - schistosity 70-80° to C.A. v. [illegible] - cone py cubes [illegible] 1mm [illegible] - non magnetic - no sli exh	Trace	90	100				
100									0.1	100	100				
110										110	95				
120								117.6 - Felsic Rhy flow - buff wt-pk v. siliceous, vfg v. mev w hard chl coating along fractures		120					

HOLE NO. L-2 | PROJECT: Redstone | PAGE NO: 3 OF 6

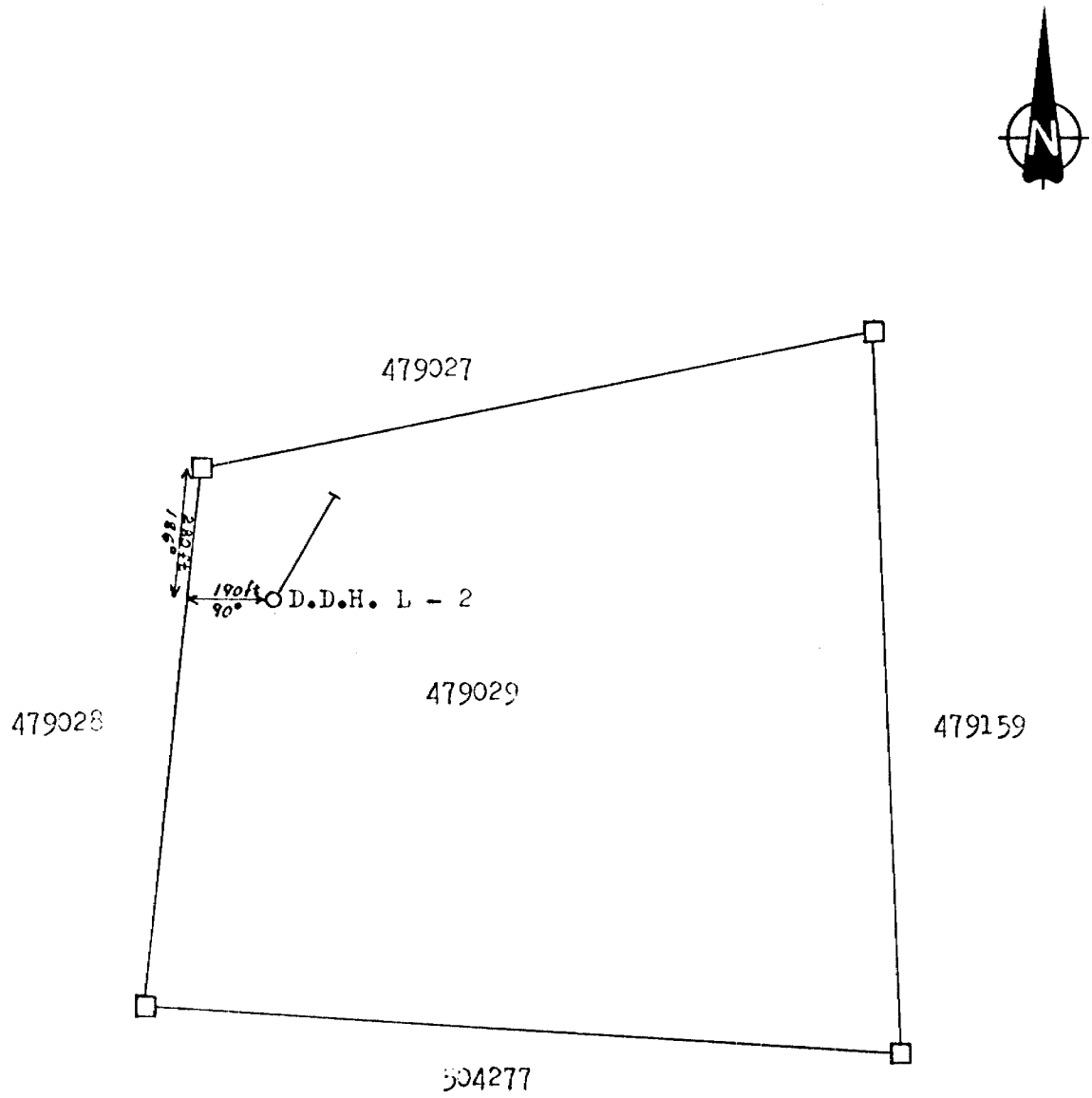
CASING COLLAR ELEV.: | GROUND ELEV.: 1037 | DATE STARTED: May 25/78 | REF. TO CLAIM CORNER:

COORDINATES: 9,470 N. 20,485 E. | DATE FINISHED: May 27/78 | SCALE: 1" - 10'

INCLINATION: -45° | BEARING: N 30° E | TOTAL DEPTH: 351.9 | LOGGED BY: D. Robinson.

COMMENTS: minor conductor @ 150.6 - 152.3 sulfide I.F msv po + py / med chltz, v. schistose, abun py. Mafic - Volc - v. altered & shrd. - core is altered to clay min. @ 177.6.

SECTION	ALTERATION: sericite	chlorite	carbonate	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
120	minor trace coating	mod. strong	minor	weak				117.6 - 147.2 Felsic Rhy (flow?) (cherty sediment ??) - buff wt - pk, v msv vv. siliceous, chl coating along fractures abun - qtz vning common 1-2 mm - chl And @ 126.5 - 128.9 v. fractured - scattered py cubes & fracture fillings	0.1		100	BQ			
130									0.9	130	98				
140								- qtz vn 2-3cm @ 137 140 - 147.2 Felsic Rhy (chert?) - appears weakly tuffaceous @ 141.6 - 147.2 abun chl along frac & specs throughout - abun scattered py cubes	0.2	140	100				
150								147.2 - 150.6 Qtz Porphyry tuff pale grn-grey v shrd & fractured abun py remnant qtz & plag phenocs visible v fg py @ lower contact	0.2	150			150.1 152.3	
								150.6 - 152.3 Sulfide IF msv po + py V brecciated & folded up in cherty matrix bands & fracture fillings.	10-15 / 0.2		100				
160								152.3 - 162.4 Banded Int. Dac - And tuff - lt grn - grey - vfg vmsv - well banded bedding 70° to CA. sulfide bearing @ upper contact py seams & cubes abun grey ash lenses in beds. @ 159.8 min py ragged 2-3cm section - lower contact becomes msv R-O. msv volc		160	100				
170								162.4 - 178.8 Mafic Volc - chltz Bas med-pale grn vfg v schistose v shrd. - med chltz - dense cone of magnesite vns & blebs // to schistosity - schistosity ~ 70° to C.A. - upper contact 5' grey - wt bleached M.V.? - bleached due to Talc? - py blebs 1-2mm throughout - 177.6 - 178.3 shear zone core is powdered - chl & kaolinite clay minerals	0.2	170	95				
180								178.8 Mafic Diabase - dk grn vmsv (broken core) magnetic		180					



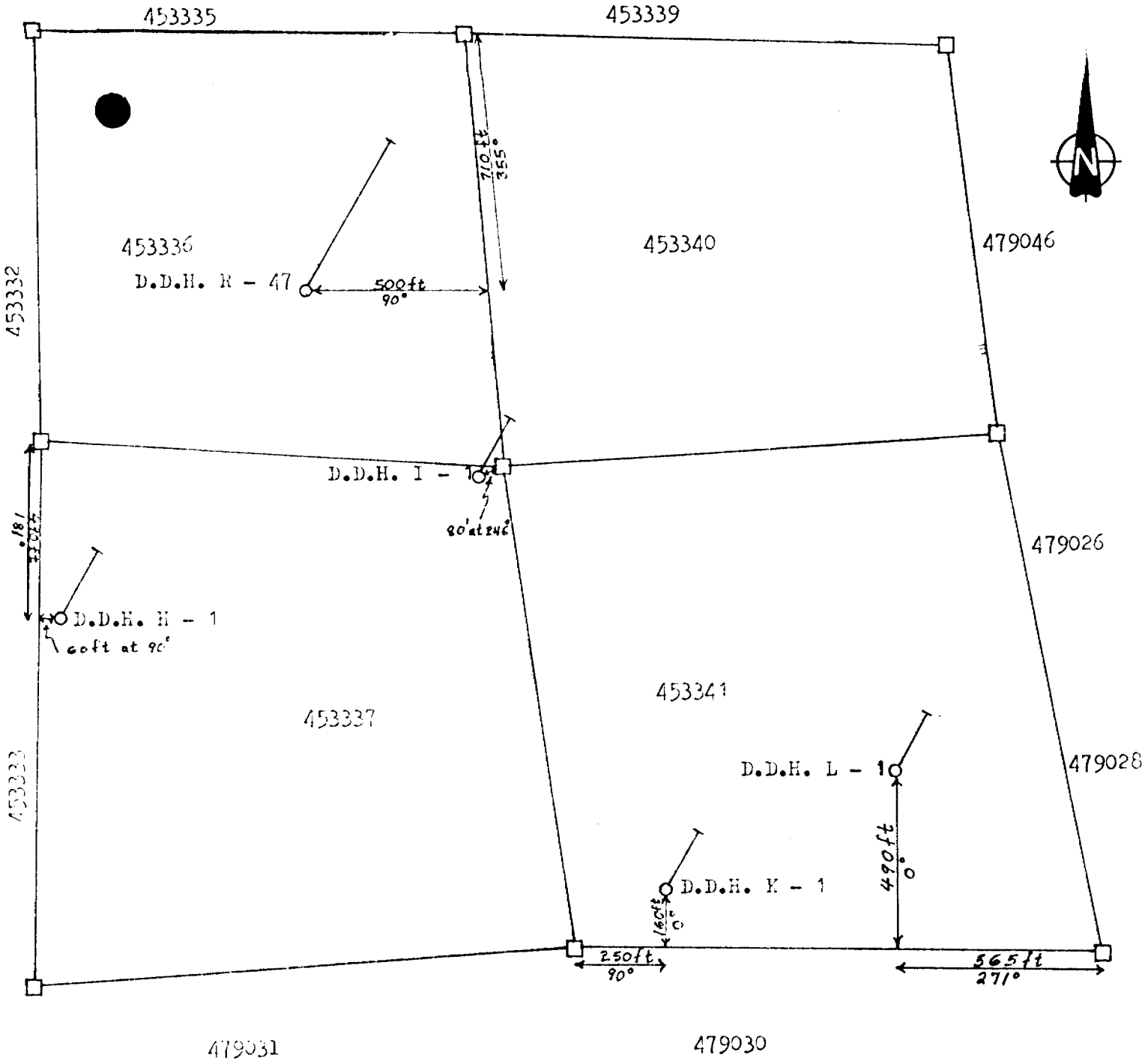
UTAH MINES LIMITED
EXPLORATION DEPARTMENT
TORONTO ONTARIO CANADA

REDSTONE PROPERTY

ELDORADO TOWNSHIP

DATE	DRAWN	CHECKED	REVISED	N.T.S.	FILE	MAP OF

SCALE
0 400 800
FEET



UTAH MINES LIMITED

EXPLORATION DEPARTMENT

TORONTO ONTARIO CANADA

REDSTONE PROPERTY

ELDORADO TOWNSHIP

DATE	DRAWN	CHECKED	REVISED	N.T.S.	FILE	MAP
Dec 21/75	L.J.G			42-A-6		1 of 2

SCALE 0 400 800 FEET

HOLE NO. L-2
CASING COLLAR ELEV.:
GROUND ELEV.: 1032
COORDINATES: 9,470 N. 20,485 E.
INCLINATION: -45°
BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: May 25/78
DATE FINISHED: May 27/78
TOTAL DEPTH: 351.9'

PAGE NO: 4 OF 6
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson

COMMENTS: strong conductor msv. po + py irregular bands & fracture fillings 219.1 - 223.4. IF.
- minor cpy specs in Felsic R.D. tuff 225 - 226.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: sericite	chlorite	carbonate	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180	mod	v. tr-m		tr-m	XXX	Py	1	178.8 - 181.6 Mafic - Diabase - fg. dk grn v msv min plag xtals visible, magnetite broken core towards base.				BQ			
								181.6 - 186.7 weathered UM-MV.?? core altered to chly minerals & talc. lt grey-wt. FAULT ZONE v shrd & altered tx.	0.1		90 to 75				
190								186.7 - 193.4 Felsic Rhyo-Dac tuff - lt grey v/fg msv to tuffaceous ∠ 60° to C.A. v siliceous, abun py <1mm diam. along bedding plane. - min qtz vns 1-2 mm 45° to C.A., v min chl.	0.5	Mo					
								189 - 190 v shrd chlts MV.? Int bel & Felsic frags.							
200	m	minor		minor				193.4 - 219.1 Int - Mafic Volc Tuffs & minor Felsic interbd. units - grey-grn - v/fg. v shrd - schistose folded & reworked - min-mod chlts - minor Talc along schistosity planes or fractures - 2ndary qtz vn - vragged appearance.		200	100				
								Felsic units - 200 - 203.2, 205.4 - 206.1, 210.7 - 215							
						Py 0.2		minor py blebs & cubes throughout 0.5 - 1% @ 203 - 204.7, - lower contact - sulfide bearing Int - Mafic Volc py along schistosity planes or fractures	0.1		100				
210	to					Py				210					
								193.4 - 219 - v minor irregular [illegible] probably reworked & altered to [illegible] tx [illegible] secondary mineral assemblage of chlorite, minor talc & qtz.			100				
220	m					Py		219.1 - 223.4 sulfide IF - msv po + py irreg bands and fracture fillings in a wt-grey cherty matrix po predom over py	5 to 10%	220			219.1	Cu, Ni, Mo, Ag	
					Po			223.4 - 229.2 Felsic Rhy-Dac tuff - lt buff/grey v/fg, msv bedded 70° to C.A. v siliceous, min py fracture fillings & po + cpy					223.4		
						cpy		cpy specs @ 225.4 - 226., - minor calc vn.	0.1 0.2		100		225 - 226	100	Cu, Ag Ni
230								229.2 - 230 Felsic Rhy-Dac to QFP v/g lt grey v shrd		230					
						Po		230 - Int Dac tuff - buff-grey v/fg - laminated - bedded - 80° to C.A. min chlts mod siliceous	0.1		100				
						Po		- min po lenses @ 233.3, 235.8, 237.2 - min calc vnlts 1mm width							
240										240					

HOLE NO. L-2 | PROJECT: Redstone | PAGE NO: 5 OF 6

CASING COLLAR ELEV.: | GROUND ELEV.: 1032 | DATE STARTED: May 25/78 | REF. TO CLAIM CORNER:

COORDINATES: 9,470 N. 20,485 E. | DATE FINISHED: May 27/78 | SCALE: 1" = 10'

INCLINATION: -45° | BEARING: N 30° E | TOTAL DEPTH: 351.9 | LOGGED BY: D. Robinson

SECTION	ALTERATION: supergene	ALTERATION: chlorite	ALTERATION: carbonate	ALTERATION: talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
240																
	min					py		230 - 247.6 Int Dac - Rhyo-Dac vole tuff - lt grey-grn, vfg. banded or bedded 80-85° to C.A. v.siliceous min chltz msv, min hairline calc vn 45° to C.A. min py along frac		0.1		100	RQD			
								247.6 - 248.6 QFP lt grey vmsv mg plag & qtz phenos 1-2mm diam.								
250								249.6 - 250 QFP			250					
	min to mod.					py		248.6 - 249.6 250 - 259.4 Int Dac tuff lt-med grey-grn vfg msv well banded & bedded 70-80° to C.A., min - mod chltz - siliceous - abun hairline calc vn. throughout - weakly fragmental @ 251.1 - 251.5, 252 - 253 - min py seams & fracture fillings < 1mm thick, min pycubes		0.1		100				
260						py		259.4 - 265 QFP - lt grey - vmsv abun plag & qtz phenos & chl specs throughout matrix is of Dac comp. @ 262 - phenos are no longer present to alteration (subvole) Dac comp.			260					
	min to mod.		min to mod					265 - 281.2 Int. Dac vole tuff: lt - med grey - grn well banded & buff-tan ash beds int bed. throughout bedding ⊥ to C.A. - min - mod chltz zones, min hairline calc vns throughout - py in cubes and coatings along fractures - min po stringers @ 272.5 - 273 - 1% py & po - @ 275 vole is pseudo fragmented or brecciated, bedding becomes contorted & interrupted - more siliceous towards lower contact		0.1		100				
270						py					270					
										0.2		100				
280											280					
	minor		minor			py		281.2 - 286.6 Felsic xlln Rhyo-Dac tuff lt grey, vfg. vmsv, v.siliceous alteration plus subvole, mon chl specs throughout abun hairline calc vns		tr to 0.1		100				
	str		str					286.6 - 288.5 Mafic Vole pale grn v schistose, vfg mod-str chltz, ± Talc - strongly calcified			290					
290						py		288.5 - 300 Int. Dac tuff - lt grey-grn - vfg. msv - banded or bedded 70-80° to C.A. - min - mod chltz, mtr calc vn., siliceous - min qtz rich zones - py along fractures		0.1		100				
	min to mod		min													
300											300					

HOLE NO. L-2 | PROJECT: Redstone | PAGE NO: 6 OF 6

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: May 25/78 | REF. TO CLAIM CORNER:

COORDINATES: 9,470 N. 20,485 E. | DATE FINISHED: May 27/78 | SCALE: 1" - 10'

INCLINATION: -45° @ 0 | BEARING: N30°E | TOTAL DEPTH: 351.9 @ 48° | LOGGED BY: D. Robinson

COMMENTS: 304 - msv po, cpy (minor) 1-2% - 1'.
307-309.7 - sulfide bearing Int tuffs.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: sericite	ALTERATION: chlorite	ALTERATION: calcite	ALTERATION: talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
300								288.5 - Int. Dac vole tuffs evenly to irregular banded. @ 304 sulfide bearing - msv po, cpy, py weg bands - fracture fillings - lt grey - grn v msv bedded 70-80° to C.A. siliceous min-mod siliceous min calc	3 to 4%		100	PQ	304 277 303	100	
310								@ 303.9 - 304 1" chl And + abun garnets @ 307.3 & 309.9		310			307 309	100	
								And-Dac @ 307-309.7 sulf bearing Int tuff msv po py bands, lenses & fracture fillings	0.1 to tr		100				
								- 310-312.4 banded And-Dac tuff becoming msv Dac tuff							
								312.4 - 350.4 - Int. Msv Dac vole - lt grey, v msv, siliceous, min chl scattered calc vn. @ 321.75 - 321.85 aphanitic chlorite bed		320					
320									0.1 to tr		100				
										330					
330								330.4 334.4 QFP Qtz Rhy p/f - lt grey abun plag & qtz phenos abun chl specs, msv, abun brecciated calc veins	tr to 0.1		100				
								334.4 - 338 - Int And-Dac vole lt-grn-grey v msv, mod chltz. lower contact chltz And. min calc veins					338		
340						PO	IF	338 - 340.3 sulfide IF cherty grey-wt matrix z min po seams min py. min chltz And bands @ 338.7 to 339.6 z garnets	1%	340			340	3	
								340.3 - 342.3 Int Dac tuff	0.1		100				
								342.3 - 343.6 QFP msv Qtz vn. 3"					347 347	100	
350								342.9 - 347.3 Int. And-Dac mod chltz v/f g msv; brecciated texture @ 347.2.		350	1%				
								347.3 - 348.1 - sulfide IF msv PO							
								348.1 - 349.9 Int And-Dac mod chltz msv mod grn fg							
								349.9 - 351.9 Talcy U.M. - med grn v/fg v. Talcy. magnesite vn							

end of hole @ 351.9 dip -48° D. Robinson

PAGE NO.: 3 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.: 1032

COORDINATES: 9,470 N. 20,485 E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: Robinson

DATE STARTED: May 25/78

DATE FINISHED: May 27/78

TOTAL DEPTH: 35.1m

HOLE NO.: L-2

REF. TO CLAIM CORNER:

SCALE: 1" - 10'

LOGGED BY: D. Robinson

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Au	ASSAY Ag		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
150.6	152.3	234	20.4	100	0.13	0.06	0.01	0.14											

120

130

140

150

160

170

180

PAGE NO.: 4 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.: 1032

COORDINATES: 9,470 N. 20,485 E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: Redstone

DATE STARTED: May 26/78

DATE FINISHED: May 27/78

TOTAL DEPTH: 351'9

HOLE NO.: 1-2

REF. TO CLAIM CORNER:

SCALE: 1" 10'

LOGGED BY: D. Robinson

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni	ASSAY Cu	ASSAY Au	ASSAY Ag		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	ASSAY
219.1	223.4	235	51.6	100	0.01	0.02	0.002	0.002											
225	226	236	12	100	0.01	0.1	0.002	0.002											

180

190

200

210

220

230

240

PAGE NO.: 6 OF 6
CASING COLLAR ELEV.:
GROUND ELEV.: 1032
COORDINATES: 9,470 N. 20,485 E.
INCLINATION: -45° BEARING: N 30° E
-48° @ 351.9

PROJECT: Redstone
DATE STARTED: May 25/78
DATE FINISHED: May 27/78
TOTAL DEPTH: 351.9

HOLE NO.: L-2
REF. TO CLAIM CORNER:
SCALE: 1" - 10'
LOGGED BY: D. Robinson.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	ASSAY					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Ni	Cu	Au	Ag		FROM	TO								
304	305	237	12	100	0.005	0.05	0.002	0.002											
307	309.7	238	32.4	100	0.01	0.02	0.002	0.002											
338	340.3	239	27.6	100	0.005	0.02	0.002	0.005											
347.3	348.1	240	0.8	100	0.01	0.07	0.002	0.01											

HOLE NO. R47 | PROJECT: Redstone | PAGE NO: 1 OF 5

CASING COLLAR ELEV.: 943.2 | GROUND ELEV.: 941.2 | DATE STARTED: July 4/78 | REF. TO CLAIM CORNER:

COORDINATES: 10826 N. 17487.2 E. | DATE FINISHED: July 7/78 | SCALE: 1" = 10'

INCLINATION: -60° @ 0° | BEARING: N 30° E | TOTAL DEPTH: 805' | LOGGED BY: D. Robinson

COMMENTS: ① 10.3 - 36 - Fluid ? from [illegible] [illegible] ?
② 36 - 38.7 - MV - Rivalt
③ 38.7 - Rhyolite. ? Mg Andradite garnet seams.

AVE CORE REC'Y / HOLE: 0 @ 60°, 805 @ 56°

SECTION	ALTERATION: serp.	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
0								0 - 10.3 Overburden - sand, silt, boulders.	nil		0	BQ			
10	M O D E R A T E							10.3 - Ultramafic Peridotite - Black, VFG, mcv; mod serp'n matrix - mte vns ≤ mm - 0.5 cm, - v. strongly magnetic, abun pyp veins 1-2 mm wide coating along fracture surfaces - v min Ni cx'n.	1%	10	97				
20								large recovered fragments visible	0.5	20	100				
30								~ magnesite vns.	0.5	30	100				
								Tremolite zone - mg ? min talc, pale green-wht ? abun py.							
								36 - 38.7 MV - Rivalt - lt grey, FG, MSV, min-mod chlitz, no visible sulf	Tr	40	100				
40		v. mino t.						38.7 - 60 Rhyolite. - lt grey - yell-grn, VFG - aphanitic, v mcv - pk garnets in seam 3mm x 2-3 cm 45 - 55' - minor epidote alteration - minor qtz veining, mod fractured. - no visible sulfides - unidentified grey-blue mineral VFG along fractures	TRACE	60	100				
50								garnets							
60										60					

#R-79

HOLE NO. R47 | PROJECT: Redstone | PAGE NO: 2 OF 15

CASING COLLAR ELEV.: 943.2 | GROUND ELEV.: 941.2 | DATE STARTED: July 5/78 | REF. TO CLAIM CORNER:

COORDINATES: 10 826 N. 17487.2 E. | DATE FINISHED: July 9/78 | SCALE: 1" - 10'

INCLINATION: -60° @ 0' | BEARING: N 30° E | TOTAL DEPTH: 896.7 | LOGGED BY: D. Robinson

COMMENTS: ① 38.7 - 66.1 Rhyolite ② 66.1 - 93 U.M. - Pyrox z minor trem & MV zones. ③ 93 - 95.9 - MG QFP. ④ 95.9 - 110 · U.M Pyrox z trem upper contact ⑤ 110 - 170 · UM Peridotite · mod serp'n.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: serp.	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
66	mod. weak	v. minor min. mod.		minor				38.7 - 66.1 **Felsic Rhyolite** Hgry - pk, aphanitic, v msv, v fractured & broken core, no visible sulfides.	tr		98	PQ			
							Tremolite	66.1 - 70.5 **Tremolite zone** - pale green grn, M-CG trem prismatic - fibrous xtals.	Trace	70					
70								70.5 - MV → **U.M. - Pyroxenite**							
								MV - Hgry, VFG, semi msv - schistose, talcose - mod serp'n veins @ 77 - - minor chltz Mafic vole 70 - 75.5			98				
80								80 - 91.5 **U.M. Pyroxenite**		80					
				H			mag. blebs	- med grey, FG, semi msv v fractured & broken sections - magnesite vns & blebs - v talcose 87 - 89, trace sulfides	Trace		100				
90								91.5 - 93. **chltz MV** - med grn, strongly chltz, v broken core		90					
		H						93 - 95.9 **QFP** - Hgry, FG matrix msv, MG wt sulphide blebs, phenos.	tr		100				
		M						95.9 - 110 Tremolite **U.M. - Pyroxenite** - pale grn MG Trem upper contact, no visible sulfides	tr						
100	weak	M - S		minor			magnesite & talc vnlts.	- med grey, FG, msv magnesite & talc in vns - weakly serp'n matrix	TRACE	100	100				
							Tremolite zone.	110 - 120 **U.M Peridotite**		110					
110	mod.			minor		py		- med grn - blk, FG, msv, mod serp'n matrix - minor magnesite vns, scattered 0.5cm wide	1%		100				
								obvious py xtals mg.							
120										120					

HOLE NO. R47
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.8
COORDINATES: 10,826 N. 17487.2 E.
INCLINATION: -60° @ 0' BEARING: N30° E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 7/78
TOTAL DEPTH: 886.2'

PAGE NO: 3 OF 15
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson.

SECTION	ALTERATION: sep.	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120								110 U.M. Peridotite								
	m o d e r a t e	v. min min	m-r			py		120-140. U.M - Peridotite. - med grn + bk, FG, MSV, mod serp'n matrix - scattered Magnesite vns 2mm - 0.5cm wide. - mod. magnetic, v. min fracturing. may veining.		0.2 to 0.5	130	100	BQ			
130																
						py		m-cg py cubes & blebs 2-3mm to 0.5cm., no Ni Rx'n		2 to 3%	140	100				
140								CG ragged qz blotches & blebs. + Tremolite. 145.8 - 145.4 - Int-Felsic Rhyo-Dac - lt grey, vfg, siliceous msv		3%						
								145.4 - 147 - Tremolite zone - pale grn, vfg - FG, semi schistose				100				
								147 - 150.6 Qtz Monz lt grey FG, VMSV, pseudo equigranular 10-15% mafics (chl)		Tr	150					
150								150.6 - 153.8 Felsic Rhyo-Dac - lt grey, vfg, vMSV, siliceous								
		min	min					3 porphyritic lower zone m-cg wt subhedral plag. pheno's		Tr.		100				
								153.8 - 154.1 Tremolite zone - vfg pale grn.								
								154.1 - 158.1 Int Dac - med grn, shrd., mod chlt2								
								158.1 - 160.2 Qtz Monz. - lt grey, FG, msv, equigran, subvole, calc rich		tr	160					
160								160.2 - 180 Int And - MV								
		minor				py		- v broken & frac - pale-med grn, FG, mod chlt2, shrd - min py throughout		0.1 to tr		100				
								167-168 Tremolite zone								
170								168-170 Qtz Monz. lt grey FG msv, 1cm QV.			170					
		min. to mod.	minor			py		Mafic vole to. Int And. pale grn, mod chlt2, min py specs scattered calc vns 2mm avg.		tr. to 0.1		100				
180											180					

HOLE NO. R47 | PROJECT: Redstone | PAGE NO: 4 OF 15

CASING COLLAR ELEV.: 948.2 | GROUND ELEV.: 941.2 | DATE STARTED: July 4/78 | REF. TO CLAIM CORNER:

COORDINATES: 10,826 N. 17,487.2 E. | DATE FINISHED: July 9/78 | SCALE: 1" - 10

INCLINATION: -60 @ 0 | BEARING: N 30° E | TOTAL DEPTH: 246.2' | LOGGED BY: D. Robinson

SECTION	ALTERATION: Sep.	Chlorite	Calcite	talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180	Moderate to High	Vmin.				py/pr		180 - 197.4 **Mafic volcanic chltz schist**					BQ			
								- pale grn, vfg, schistose @ 30° to C.A		0.1 to tr		100				
							prismatic spinifex	- mod chltz								
190								- mth FG py @ 185.4', 188.			190					
								- prismatic needle form spinifex (pyroxene variety) @ 184.5 - 185.4 needles up to 4 cm long oriented sub // to core axis.		0.1		100				
							Trem rich									
								197.4 - 200.7 **Felsic - Int Rhyo-Dac vole tuff**								
200								- lt grey, aphanitic, msv, hairline calc vning.		Tr	200					
								200.7 - 211.6 **Mafic Vole - chl + Trem schist**								
								- pale to med grn, strongly schistose, v.abun chl + tremolite								
								- 3cm band of brn-bk biotite. - min inog calc				100				
								Tremolite schist		0.1						
								206.5 - 211.6 **U.M Pyroxenite** v broken & fractured core								
210								- pale grey, vfg semi msv, tremolitic & slightly Talcose			210					
								211.6 - 231.6								
							plag phenos	**Int Andfspar pfy**								
								- med grn, vfg, msv, subrounded 2mm grey fspar phena's scattered throughout, mod chloritic, abun calc vns & blebs		0.2		100				
220								- fractured & broken core, py coating along fractures. + cubes.			220					
								And pfy - subrounded grey-wt 2mm avg plag phena's + chl + biotite pfy's 15% avg conc. - v.min qtz eyes. , tr sulfides. py.		Tr		100				
								- regular 2mm calc vns.								
230								3 vfg brn-bk biotite rich zone.			230					
								231.6 - **U.M Pyroxenite** 10 cm highly chltz MV upper contact								
							Trem	30 cm granulated pale grn Tremolitic zone								
								- med grey FG broken & semi msv, mod Talcose slightly calcified + v abun wt Magnesite vns. non magnetic.				100				
240							dense conc Magnesite vning.				240					

HOLE NO.: R47-
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.3
COORDINATES: 10,826 N. 17,487.2 E.
INCLINATION: -60° BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 9/78
TOTAL DEPTH: 886.2'

PAGE NO: 5 OF 15
REF. TO CLAIM CORNER:
SCALE: 1"=10'
LOGGED BY: D. Robinson

COMMENTS: Ultramafic unit @ 256.8 - mod. chltz, weak serp'n., calc + mag vning throughout, weak to mod magnetic, mod grn-blue, min py not easily distinguished from a basalt (colour distinction + magnetism + mag vns + weak serp'n).

C.A. recommended DESCRIPTIVE GEOLOGY

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: strong chlorite	ALTERATION: moderate chlorite	ALTERATION: calcite	ALTERATION: talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
240		MODERATE	MINOR					231.6 - 244.6 U.M - Pyroxenite med grn, FG, semi msv, abun Mag vning. - non magnetic	Tr			BQ			
								244.6 - 256.8 Tremolitic + chl. M.V.			100				
							Trem rich	- pale grn to brn-grn, VFG, strongly schistose	0.3						
250								- moderately chltz throughout, Trem rich upper zone, biotite rich lower zone		250					
							biotite rich	- scattered wt calc vns, non magnetic. - v narrow py seams // schistosity @ 248-249, MG lens @ 248,	Tr		100				
								256.8 U.M - Peridot?							
260		MODERATE	MINOR				mod mag + calc vning	- med grn, FG, semi msv, mod chloritic - calc + magnesite vning is abun		260					
	weak							- 260-275 contains ≤ 1.0 to 1.5 diss mte in matrix mod magnetic	Tr a c c		100				
270								- weakly serp'n matrix		270					
								- no visible sulfides			100				
							core appears brecciated.			280					
280								280 - 300 U.M							
	weak	MODERATE	MAG & CALC VNS				mag + calc vning	- med grn-blue mod chltz + calcified - abun conc of calc + Mag vns - weak to mod magnetic ≤ 0.5 to 1.0 diss mte	Tr a c c	290	100				
290								- min MG py @ 297.8							
							strongly calcified	- mod fractured throughout.	to 0.1		100				
300						py				300					

HOLE NO. R47
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2
COORDINATES: 10,426 N. 17,487.2 E.
INCLINATION: -60° BEARING: N 30° E

PROJECT: Ralstone
DATE STARTED: July 4/78
DATE FINISHED: July 9/78
TOTAL DEPTH: 886.2'

PAGE NO: 6 OF 15
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson.

COMMENTS: pyroxene spinifex texture 300-302.5, contact ≈ Mafic volc Basalt @ 357.3.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Serp.	Chlorite	Calcite	talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
300	weak	MIN				py		256.8 upper contact of U.M.				BQ			
								300-308 pyroxene spinifex: U.M Peridt - Pyrox - mod mag top non mag lower zone - med grn - blk, FG semi msv, weak serp'n - mod developed px. spinifex needles ≈ 7-3cm long, randomly oriented. 300-302.5, mag + calc vns. py @ 307 schistose ≈ / tremolite lower contact	0.1		100				
310	weak	MIN	MAG+CALC			py		308-309.7 brn bio rich / Tremo rich: Int Dac fspar pfy - lt gry-grn, VFG ≈ MG, wt plag phenos, VMSV, bio rich. upper contact.	tr	310					
								broken & frac. 309.7-320 U.M. - Pyroxenite - semi msv to schistose - mod gry, FG, v fractured & broken core, wt calc + mag vning throughout, abun MG py xtals throughout & narrow vnlts. & seams - increasing mte content down section ≤ 0.1 to 1.5 % diss mte from 307-320	0.3		100				
320	weak	MOD to MIN	MAG+MINCALC			py		320-340. Magnesite vns & blebs throughout. U.M Pyroxenite - Peridt - mod gry, FG, msv, weakly serp, mg. fracturing - abun wt Magnesite vns + mtn calc vns	0.2	320	100				
330	weak					py		- scattered M-FG py cubes. throughout - mod - strongly magnetic ≤ 1.5 to 2.0 % diss mte - No Ni Rx'n	0.2	330	100				
340	weak	MIN	MODERATE			py		340-357.3. Mag + calc vning. U.M Pyroxenite - mod gry, FG, msv, weakly serp'n, - Magnesite + calc vning. - scattered F-MG py cubes throughout - mod magnetic ≤ 1.5 to 2.0 % diss mte throughout.	0.2	340	98				
350	weak	MIN	H	H		py		357.3 - Mafic Volc - Basalt: med grn, FG, semi msv highly chltz, strong calc matrix otrn F-MG py.	0.2	350	100				
360										360					

HOLE NO. R47
CASING COLLAR ELEV.: 943 ? GROUND ELEV.: 941.2
COORDINATES: 10,826 N. 17487.2 E.
INCLINATION: -60° BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 9/78
TOTAL DEPTH: 886.2'

PAGE NO: 7 OF 15
REF. TO CLAIM CORNER:
SCALE: 1"=10'
LOGGED BY: D. Robinson

SECTION	ALTERATION: Sericite	Chlorite	Calcite	Talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
360	MODERATE	STRONG						357.3 – 380 Mafic volc – Basalt					BQ			
								- med grn, FG, msv, mod. chltz matrix				100				
								- mod conc. of wt calc vns. & strongly calcified matrix. - F-MG py								
370						PY		brecciated zones & calc. cement.		0.5 to 1.0	370					
								- minor brecciated zones cemented w calc								
								- calc is predom to 375, 375-380 magnesite								
								- weak mag. & 0.5 to 1% disc mte.				100				
380								380 – 400 Mafic volc & mag QMons dykes.			380					
	MODERATE	MODERATE						384.1 – 384.8 - med grn, FG, msv chltz & calcified		0.2		100				
								& - grey-wht equigranular Mons dykes, felsic abun chl & biotite								
390						PY		- F-MG py			390					
										0.5		100				
								Magnesite vning, med grey FG, from Rec to abun FG py cubes								
400						PY					400					
								400-420 Mafic volc. Basalt								
	MODERATE	MAGNESITE						QM-QD dyke - med grn, FG, some msv, mod chltz, abun wt Magnesite vning & blebs.		0.2		100				
								magnesite vning. - abun FG py cubes throughout			410					
410						PY		- min felsic inclusions QM dykes.								
								QM.				100				
420						PY				0.5	420					

HOLE NO. R47 | PROJECT: Redstone | PAGE NO: 7 OF 15

CASING COLLAR ELEV.: 943.2 | GROUND ELEV.: 941.2 | DATE STARTED: July 4/78 | REF. TO CLAIM CORNER:

COORDINATES: 10,826 N. 17,487.2 E. | DATE FINISHED: July 9/78 | SCALE: 1"=10'

INCLINATION: -60° | BEARING: N 30°E | TOTAL DEPTH: 886.2' | LOGGED BY: D. Robinson

SECTION	ALTERATION: Serp.	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTIMATED
420	MOD to MINOR v. minor MOD to MIN		MAGNESITE					420 - 438.5 Mafic Volc - Basalt - mod grn becoming grn-wt, FG, [illegible] MSV, mod chltz → min, - min mg py., - minor grey magnesite vning. - non magnetic		0.1		100	RQD			
430						py					430					
						py		434.1 — 436.4 Qtz Monz H grey, FG, MSV equigranular abun (10%) chl + vfg py. v. fractured		0.1		100				
								436.4 - 438.5 ~~Mafic Volc - Bas~~ - grn-wt, FG, MSV [illegible] min magnesite scattered py cubes.								
440								438.5 - 448.5 Felsic Rhyo-Dac volc - Hgrey, aphanitic, v. siliceous, min QV's - core is broken ⊥ to CA, v min [illegible] line calc - v min chl along fractures vfg py cubes		Tr	440	100				
450						py		448.5 - 465.1 Mafic Volc - Basalt - mod grey, FG, MSV composed of chlorite + plagioclase + magnetite + py vfg cubes - non magnetic		0.1 to 0.2	450	100				
460						py		460 - 465.1 Mafic Volc - Bas - pale grn, FG, MSV - schistose - abun grey-wt Magnesite vning. FG py @ 469.			460					
								465.1 - 466.1 Qtz Monz - Hgrey F-MG, allotriomorphic equigranular FG py		0.1		100				
	MOD.	MAG				py		466.1 - 473 mag vning. } MV. 10-20% chl ribboned through matrix			470					
470	MOD.	MAG				py		473 - 474.8 Syenite - Monzonite - H pk-grey, FG allotriomorphic equigranular 20% chl H orthoclase matrix, MSV, MG py @ 474.9, v min QV.		0.1		100				
								474.8 - 477 } MV mod grey FG semi-[illegible] abun magnesite vns.								
480								477 - 477.6 Rhy - purple VFG MSV, siliceous MV QM MV			480					

HOLE NO. R47
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.20
COORDINATES: 10,826 N. 17,497.2 E.
INCLINATION: -60° BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 9/78
TOTAL DEPTH: 556.2'

PAGE NO: 9 OF 15
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson

SECTION	ALTERATION: serp	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
480	weak	MOD	MAGNESITE			py		480 - 488 Mafic Volc - Kom Bas. - med grn FG, MSV, mod chltz, abun llag vns. scattered FG py. bounded med gry-bk & out divisions chl		0.1		100	BQ			
490		MINOR				py		gradational cont 488 - 496.1 U.M. Pyrox - Kom Bas. MAG VNS & blebs. - med gry-bk, FG, MSV, abun llag vns & blebs min to mod magnetic ≤ 0.5 to 1.0 % diss mte scattered py. - this unit passes gradationally into a med grn. KB-MV			490					
		MOD				py		gradational cont 496.1 - 499.8 Mafic Volc - Kom Bas. med grn, FG, MSV mod chltz, grey-wd Mag vns.		0.1 to 0.2		100				
500			MAGNESITE			py		499.8 - 500.8 - scattered FG py blebs 500.9 - 520 Felsic Porp dyke			500					
	weak	MINOR	MAGNESITE			py		abun Mag vns & blebs. Kom Bas to U.M. Pyrox - med gry-bk FG, MSV, regular magnesite veining & blebs - scattered F to MG py crystals throughout		0.5		100				
510								spinifex? - diss mte ≤ 0.5 to 1.0 % - core appears weakly serp'n matrix			510					
						py		Mag vns & blebs. - v.v. faint spinifex appearing texture @ 510-512 - v. minor fracturing throughout. , No Ni Rx'n.		0.2		100				
520								520 - 539.6 U.M. - Pyrox - Kom Bas - med gry-bk, FG, MSV, dense core of magnesite vns 3 mm to 2 cm width, min. fracturing.			520					
		MINOR	MAGNESITE			BIOT.		bk blo rich. Mag vns & blebs: - mod. magnetic ≤ 0.5 to 1.5% diss mte in matrix - abun v/g py cubes @ 539		TRACE		100				
530	v. weak										530					
						py				0.3		100				
540								539.6 -			540					

HOLE NO. R47

CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2

COORDINATES: 10,826 N. 17487.2 E.

INCLINATION: -60° BEARING: N 30° E

PROJECT: Redstone

DATE STARTED: July 4/78

DATE FINISHED: July 9/78

TOTAL DEPTH: 886.2'

PAGE NO: 11 OF 15

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: D. Robinson

SECTION	ALTERATION: Sulph.	ALTERATION: Chlorite	ALTERATION: Calcite	ALTERATION: Talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
600		M						573.8 - 659.4 Mafic Dbse.					BQ			
		I						- med grn, MG, min chl		T		100				
		N						- composed of green hbl and tinted hbl								
610		O						- gry plagioclase			610					
		R						- trace py.		R		100				
620										A	620					
												100				
										C						
630											630					
										F		100				
640											640					
												100				
650								vfg porphyritic chill margin			650					
												100				
660											660					

HOLE NO. K47
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2
COORDINATES: 10,926 N. 17,487.2 E.
INCLINATION: -60° BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 9/78
TOTAL DEPTH: 885.2'

PAGE NO: 12 OF 15
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson

SECTION	ALTERATION: sep.	chlorite	calcite	talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
660								659.4 – 663.4 U.M - Pyroxenite - med grey-bk, FG, semi msv, min mag. vning. v. faint & poorly dev. spinifex random variety non magnetic					BQ			
	MODERATELY	STRONG				py		663.4 – 664.6 Tremolite zone - pale grn, VFG, fibrous Tremolite schist		0.2		100				
								664.6 – sulphide bearing Mafic vole - chl schist - med grn, FG, schistose, med chlitz, strongly calcified matrix, matrix is rich in brn biotite			670			670		
670						py										
					po + py			- @671 1cm band MG py, 674.4 - 3cm band w/ po & py "MG" eyes		5%		100			.02	28.1
							crenulation folds.	@676 - 2cm band fg po + mg py, 676.3 - 2cm band fg py								
								676.5 - 2cm band fg po + MG py "eyes"			690			679.6		
680						py		matrix - rich in VFG Tremolite strong carbonated & sulphide bands.								
						po		683.9 - Mafic vole - chl schist - strongly calcified matrix, mod chlitz med grn @ 681 massive po 0.5cm seam.		0.5		100				
								688.9 - 689.4 K Basalt - med grey, strongly calcified, min magnesite lower zone of flow is MG Tremolite zone - VFG, chlitz MV		Tr	690					
								689.4 - 694.7 QFP - lt grey, MSV, MG wt plag phenos,		Tr						
								v. min chl along fractures								
								694.7 - 697.4 Int A-D vole tuffs - med grn-grey, VFG, banded, intbd A & D. min to v min chlitz, min calc vning. (more msv than chlitz MV).		Tr		100				
								697.4 – 699.2 Tremolitic - chloritic MV - strongly calcified, pale grn, v schistose abun FG short Trem xtals.			700					
700								699.2 - 704.6 QFP - lt grey msv, allotriomorphic upper zone poorly developed phenos lower section - CG wt zoned plag. phenos 1cm size		Tr						
								704.6 - MV - mod chlitz + Tremolitic, mod calc vning, semi schistose				100				
										Tr	710					
710								710.2 - 710.9 CG QFP								
	MOD.		CALC + MAG					710.9 - 719.9 Trem Kom Bas (U M-Pyrox) - med grey-grn-bk, FG, mod calc + mag vning Tremolitic upper & lower zone FG, & schistose								
								- mod chlitz, non magnetic, schistose,		0.2		100		715		
								Mag + Calc vns. - @ 717.2 3mm pn seam							100	28.2
720						pn					720			720		

HOLE NO. R47
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2
COORDINATES: 10,826 N. 17487.2 E.
INCLINATION: -60° @ 0' BEARING: N30°E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 7/78
TOTAL DEPTH: 886.2'

PAGE NO: 13. OF 15
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: J. Robinson

SECTION	ALTERATION: Sericite	Chlorite	Tourmaline	Talc	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
770	v. mod.	v. mod.						719.9 - 727 QFP lt grey, MG, siliceous, mod developed plagioclase phenos. - MSV, min chl along fractures.	Tr		100	BQ			
								727 - 728.9 Tremolitic chlitz Mafic Volc - pale grn schistose Trem rich upper zone - mod chlitz, mod calc + magnesite							
780								728.9 - 733.9 Int. Dac. lt grey, aphanitic, msv, mod frac., min chl along fractures. - no visible sulfides		730					
								733.9 - 738.4 Tremolitic Mafic Volc - pale grn, FG, Trem & chl rich, mod calcified	Tr		100				
								735.9 - 736.2 Mafic Dike - vfg, porphyritic, chilled dyke							
								738.4 - 763.7 QFP z - brn v.fg biotite. lt grey, MG, msv, 20-40% wt MG, plagclase's. 2-3% smoky grey qtz eyes. - v min chl along fractures. Trace sulfides. - v min calc vns		740	100				
790	v. min.	v. min.				py			Tr	750	100				
								bk biotite phenos 3mm rounded.		760					
	MOD.	SER.						763.7 - 768.3 Mafic volc - med grn, FG, semi msv, mod chlitz, strongly carbonated matrix.	Tr		100				
	MIN to MOD.	MOD.				Tr py		768.3 - z spotted chlorite. Intermediate And - Dac volc tuff. - pale grey-grn, FG, msv to banded. int bd. - alternating composition from D-A to A-D, min chlitz, mod calcified. - po bleb @ 778.6, 1/min py units @ 779.7 banded	0.1	770	100				
800										780					

HOLE NO. R47
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2
COORDINATES: 10,836 N. 11 17,487.2 E.
INCLINATION: -60° @ 0' BEARING: N 30° E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 9/78
TOTAL DEPTH: 886.7'

PAGE NO: 14 OF 15
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson

SECTION	ALTERATION: sep.	chlorite	calcite	tac	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
780								778 – 800 Felsic vole Rhyo-Dac tuffs					BQ			
		V	V.					- H grey to grn-grey, VFG, MSV, v.v. min banding		T		100				
		m	m					} v. weak banding. - v siliceous, [illegible] along fractures.		R						
790		i	i					- v min chl., minor fracturing.		A	790					
		n	n							C		100				
		o	o							E						
		r	r													
800								800 – 820 F.V. Rhyo-Dac vole			800					
		V.	V					- H grey, VFG, v MSV		T						
		m	m					- scattered hairline [illegible] veins		R		100				
		i	i					- v siliceous, mod. fracture		A						
810		h	h					- v min chl along fracture			810					
		o	o					- Trace py.		C						
		r	r							E		100				
820								820 – 840 F.V. Rhyo-Dac vole			820					
			V					- H grey VFG, MSV, [illegible] chl along fractures								
		V	V					823 – 826.6 2nd Inc.		T						
		h	i					H grey-grn VFG MSV		R		100				
830		i	h							A	830					
		h	o							C						
		o	r							E		100				
		r														
840											840					

HOLE NO. R47
CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2
COORDINATES: 10,826 N. 17,487.2 E.
INCLINATION: -60° @ 0' BEARING: N30°E

PROJECT: Redstone
DATE STARTED: July 4/78
DATE FINISHED: July 9/78
TOTAL DEPTH: 886.

PAGE NO: 15 OF 15
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. Robinson

SECTION	ALTERATION: Sep.	ALTERATION: chlorite	ALTERATION: calcite	ALTERATION: tal-c	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
840		V. min to STRONG min						840-860 FV - Int. Rhyo-Dac & Dac vole tuffs - med grey, VFG, msv to banded - min to strongly calcified - v.min to min chlorite - mod fractured. - no visible sulfides.		TRACE		100	BQ			
850								Dac. med brn-grey.			850	100				
								Dac - banded.								
860								860-880. F.V. Rhyo-Dac vole tuff banded. - lt grey-brn, VFG, msv to poorly banded. - v min calc vning hairline width - v. siliceous - no visible sulfides		TRACE	860	100				
870											870	100				
								876-882.6								
880								D. end of hole. July 9/78 D. Robinson			880					
								Rhy-Dac 886.2		Tr	886.2	60				

PAGE NO.: 10 OF 15

CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2

COORDINATES: 10,826 N. 17,487.2 E.

INCLINATION: 55° BEARING: 1130"

PROJECT: [illegible]

DATE STARTED: July [illegible]

DATE FINISHED: [illegible]

TOTAL DEPTH: [illegible]

HOLE NO.: 847

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: L. Robi[illegible]

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb %	ASSAY Cu %	ASSAY Ag oz/ton	ASSAY Au oz/ton	
552.3	562.3	572	120	100	[illegible]	[illegible]	[illegible]	[illegible]	
562.3	572.3	573	120	100	0.05	0.7	[illegible]	[illegible]	
572.3	583.3	574		100	[illegible]	[illegible]	[illegible]	[illegible]	

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 15 OF 15

CASING COLLAR ELEV.: 943.2 GROUND ELEV.: 941.2

COORDINATES: 10,826 N. 17,487.2 E.

INCLINATION: -60° BEARING: [illegible]

PROJECT: [illegible]

DATE STARTED: July 11, 78

DATE FINISHED: July 9, 78

TOTAL DEPTH: 896.0'

HOLE NO.: [illegible]

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: [illegible]

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY [illegible]	ASSAY [illegible]	ASSAY [illegible]	ASSAY [illegible]	ASSAY
[illegible]	[illegible]	281	115	100	0.15	0.07	0.007	0.007	
715	720	282	60	100	0.12	0.007	0.007	0.007	

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	ASSAY

660

670

680

690

700

710

720

HOLE NO. I - 3 | PROJECT: REDSTONE | PAGE NO: 1 OF 6

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: NOV. 27, 1979 | REF. TO CLAIM CORNER:

COORDINATES: 10630 N. 18790 E. | DATE FINISHED: NOV. 28, 1979 | SCALE: 1" = 10'

INCLINATION: - 45° | BEARING: N 30°E | TOTAL DEPTH: 356' | LOGGED BY: D. McIVOR

COMMENTS:
- CASING COLLARED 2' ABOVE GROUND.

0' @ 45°
356' @ 51° (corrected)

AVE CORE REC'Y / HOLE

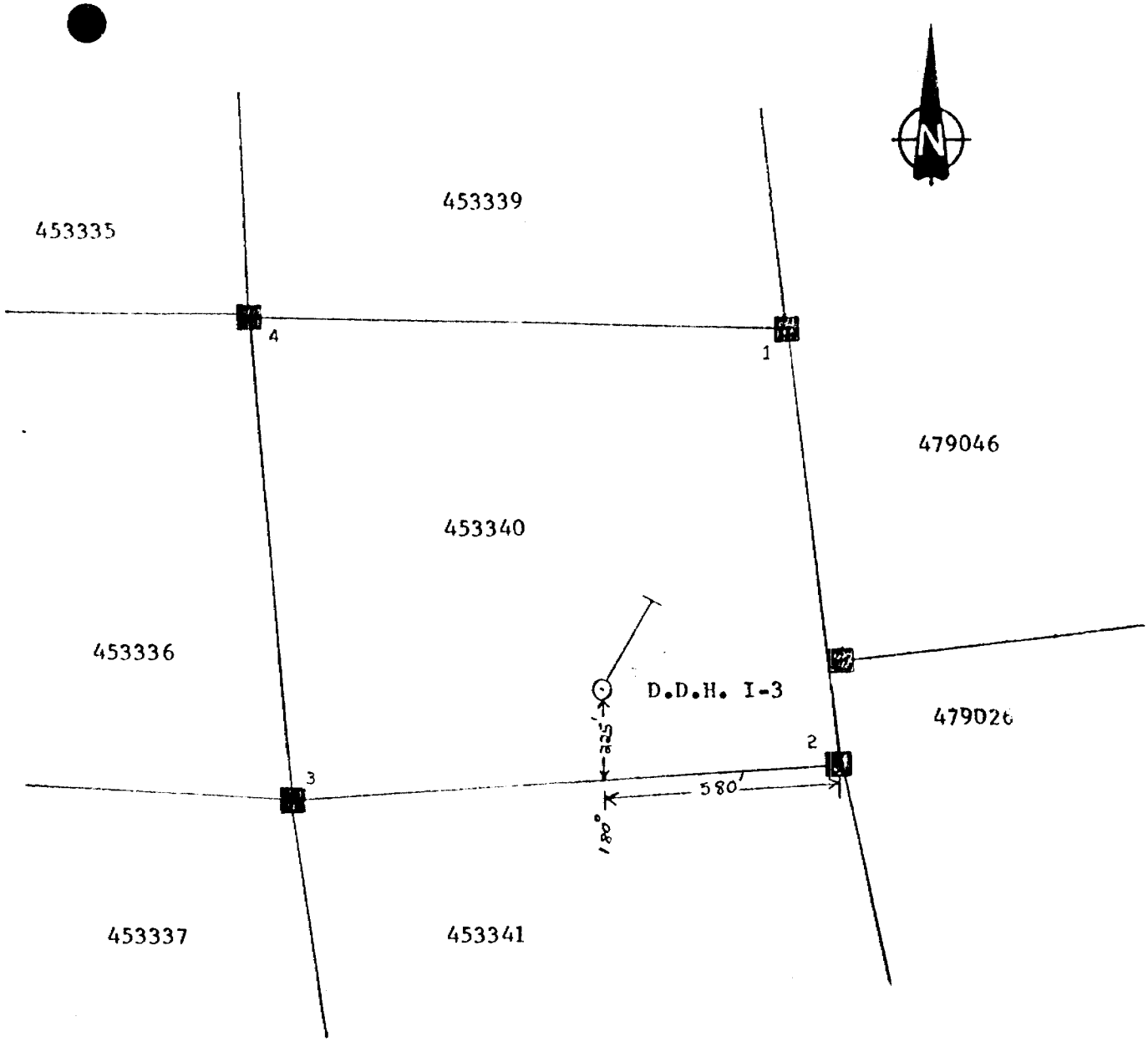
SECTION	ALTERATION: SIRP.	CHLORITE	CALCITE	TALC	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT	ESTIMATED
0								0' - 10' OVERBURDEN							
10	NIL	VERY STRONG ALONG FRACTURES	OCCASIONAL FRACTURE FILLING	ASSOCIATED WITH CARBONATE	/	Py	DIABASE	and. 10' - 10.2' ANDESITE - small section of fg-aphanitic intermediate volcanic (andesite) - moderate chlorite alteration throughout rock & about small semi-spherical carbonate blebs. - vuggy, no visible sulphides - possibly from a small boulder just above bedrock, due to size and shape i.e. highly rounded by drill.			100%	BQ			
20								hem. 10.2' - 134' DIABASE - predominantly medium grained diabase, but & finer grained and course grained sections. - massive - composed of approx. 60% plag & 40% mafics - fractures are irreg. spaced (av. 4-5" apart) and randomly oriented - predominantly non-porphyritic and hypidiomorphic - occasional bands and stains of varying mafic content & grain size - at 14.5 - 15', very fine grained, strongly chloritized section - at 82', pegmatite filled fracture - strong chlorite alteration along fractures, as well as occasional talc & carbonate fracture filling - minor amounts of biotite & sericite throughout rock - talc-carbonate fracture filling increases in intensity towards 134', and occasional slickensides occur along fractures. - sulphides present in trace amounts as vfg interstitial (disc) fg mineralization - magnetic, with varying strength i.e. ranges from 0.1 to 2.5 on Mag Sus. with an average reading of ≈ 1.0 - unit becomes finer grained towards 134' (chill margin)	T R A C E	17 27 37 47 57	100% 100% 100% 100% 100%				
30						Py	DIABASE								
40															
50															

HOLE NO. I-3
CASING COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: 10130 N. 18790 E.
INCLINATION: -45°
BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: NOV. 27, 1979
DATE FINISHED: NOV. 28, 1979
TOTAL DEPTH: 356'

PAGE NO: 2 OF 6
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. McIVOR

SECTION	ALTERATION: SERP.	CHLORITE	CALCITE	TALC	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60													BQ			
	N	S	O	A		Py	D					100%				
	I	T	C	S			I				67					
	L	R	C							T						
70			A	F			A			R		100%				
		O	S	R						A						
	T	N	I	A			B			C						
	O	G	O	C			A			E	77					
			N	T												
			A	U			A									
	V		L	R			S									
80	E	A		E												
	R	L	F	L			E					100%				
	Y	O	A	T												
		N	C	I							87					
		G	T	L												
	N		O	L												
90	I		R	I												
	N		E	N		Py						100%				
	O	F		G												
	R	R	T	/						T	97					
		A	I	A			D			R						
100	L	C	L	I			I			A		100%				
	I	T	I	T						C						
	O	U	N	E			A			E						
	N	R	G	R			B				107					
	G	E		A												
				T			A									
110		S		I								100%				
	F			O			S									
	R			N		Py										
	A						E				117					
	C															
120																



Exploration Map
#200-79

UTAH MINES LTD.
Exploration Department
Timmins, Ontario

Redstone Drilling

Drawn By: Louis Godbout

200 0 200 400
Scale in feet

HOLE NO. 5-3 | PROJECT: REDSTONE | PAGE NO: 3 OF 6

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: NOV. 27, 1979 | REF. TO CLAIM CORNER:

COORDINATES: 0630 N. 18190 E. | DATE FINISHED: NOV. 28, 1979 | SCALE: 1" = 10'

INCLINATION: -45° | BEARING: N30°E | TOTAL DEPTH: 356' | LOGGED BY: D. McNOR

ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
		Py	DIABASE	134'-135.5' DACITE? - fg. felsic-int. volcanic (dacite) & small semi-spherical mafic clots to 1/8" in size & 5% of rock. - highly fractured, & talc-carbonate fracture filling and minor serpentine along after fractures - occasional large brecciated fragments of chloritic-talc-carbonate schist - a gradational type contact & diabase, indicating this may be a contact metamorphosed - altered diabase or host rock. - no visible sulphides, non magnetic		TRACE	127	100%	BQ			
				135.5'-148' SERPENTINITE (ALTERATION OF ULTRAMAFIC ROCK?) - predominantly massive serpentine - light green in colour - remnant olivine crystals are scattered throughout rock as small dark green semi-spherical blebs to 1/16" in size and 5% of rock - fractures are randomly oriented and irregularly spaced, often filled & fibrous serpentine (chrysotile), or talc-carbonate.				100%				
all. zone?		Py		- slickensides common along fractures. - occasional small magnetite crystals scattered throughout rock, which are surrounded by rusty-orange (oxidized) rims		NIL	137					
rounded chlor. crystals		Py		- predominantly massive in texture, however from 140'-144' highly irregular schistosity and small blebs & seams of nights - at 142' 1" band of magnetite. - sulphides present in trace amounts as vfg. diss. Py & Cpy.		TRACE		100%				
magnetite				neg Ni test, but weakly magnetic (due to magnetite presence), reading as high as 1.8 (at 142') & av. reading 0.2 on Mag. Sus.								
mag. schist		Py		148'-159' ULTRAMAFIC ROCK INTERLACED & MAGNETITE - very fine grained to aphanitic slightly serpentinized ultramafic volcanic rock - massive, grayish black in colour - thin magnetite veins & veinlets interlaced throughout rock to approx. 10% of rock, in a dendritic pattern. - fractures are irreg. spaced (av. 3"-4" apart) and randomly oriented - serpentine, calcite and magnesite are predominant fracture filling minerals. - occasional slickensides along after serpentinized fractures (serpentine occurs both as green semi-fibrous antigorite, and a blue, strongly iridescent form of serp.)			147			148		
magnetite veins		Py		unit is strongly magnetic & an average reading of 2.5-3.0 on Mag. Sus. - sulphides present in trace amounts as v.f.g. diss Py, & v. minor Pn along after fractures as indicated by + Ni test. - sharp, well defined contact with more serpentinized ultramafic at 159', where magnetite veins end.		TRACE	157	90%		SAMPLE	100%	
				159'-176' SERPENTINIZED ULTRAMAFIC - very fine grained to aphanitic moderate to strongly serpentinized ultramafic rock. - massive, dark bluish-green in colour - fractures are irregularly spaced and randomly oriented (average 3"-4" apart) - fracture filling by carbonate (both calcite and magnesite), serpentine (both green and iridescent blue varieties) and occasionally talc. - occasional slickensides along fractures, which has affected the fracture filling minerals as well, giving it an angular, semi-fibrous appearance. - sulphides present to 0.5% of rock, primarily as small Pn blebs along carbonate-serpentine filled fractures. - some very minor fg diss. sulphide mineralization which gives no + Ni test - probably Pn						159		
		Pn						100%		SAM	100%	
Mag. dyke				occasional small veinlets of magnetite scattered throughout unit. - unit is strongly magnetic & readings as high as 10, average ≈ 5.0 on Mag. Sus. - from 166'-166.5' small monzonite dyke & large acicular Kspar & hornblende crystals, and very pronounced fine grained chill margins. - minor hematite along fractures.		0.5%	167			167		
		Pn						100%		SAM	100%	
dacite dyke		Py		176'-177' DACITE - fine grained to aphanitic felsic-intermediate volcanic (dacite) & small blebs & clots of mafic to 10% of rock - trace Kspar throughout rock, and strong hematite staining along fractures - possibly a fine grained feldspar rich intrusive.		TR.	177			176		
fine grained		Pn		trace amounts of very fine grained diss Py.						A.	100%	

HOLE NO. 1-3
CASING COLLAR ELEV.:
COORDINATES 10650 N. 18790 E.
INCLINATION 45°

GROUND ELEV.:
BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: Nov. 27, 1979
DATE FINISHED: Nov. 28, 1979
TOTAL DEPTH: 356'

PAGE NO: 4 OF 6
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. McIVOR

ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
		Po		177'-178' MASSIVE SERPENTINE - massive, light green serpentine. c̄ small blebs and seams of biotite to 5% of rock - irreg spaced and randomly oriented fractures are talc-carbonate filled, indicative of an original ultramafic rock. - sulphides present in trace amounts as very small Po crystals, along talc-carbonate filled fractures - gradational contact c̄ serpentinized ultramafic at 178'.		T R A C E	184	100%	BQ	S A M 185	100%	
		Po		178'-192' SERPENTINIZED ULTRAMAFIC - very fine grained to aphanitic massive serpentinized ultramafic fractures are closely spaced (av 1-2" apart) and randomly oriented c̄ carbonate & serpentine fracture filling. - occasional thin chrysotile veins & veinlets cutting through rock - at 191' 6" band where hematite is pervasive as well as along fractures. - sulphides present in trace amounts as thin, very small Po blebs along carbonate filled fractures - some very minor Py diss sulphide mineralization.				100%		S A M 192	100%	
		Py	DIABASE	- occasional magnetite veins cut rock. - unit is strongly magnetic, c̄ an average reading of 4.0 on Mag. Sus.		T R A C E	194	100%				
				192'-201' DIABASE - very fine grained massive mafic diabase, c̄ approx. 50% mafics, 50% plagioclase. - highly fractured, predominantly at 0°-20° to core box axis c̄ very strong talc-carbonate-chlorite and serpentine alteration along fractures and as fracture filling. - occasional large brecciated Kspar fragments and bands - sulphides present in trace amounts as Vfg diss Py - unit is weakly magnetic, reading 0.2 (av.) on Mag Sus.			200			201		
		Po, Py		201'-215' SERPENTINIZED ULTRAMAFIC - very fine grained to aphanitic, massive, moderate to strongly serpentinized ultramafic. - fractures are irreg spaced (av. 3-4" apart) and randomly oriented. - serpentine (as chrysotile, antigorite and bleesh varieties) and carbonate are predominant fracture filling minerals, and occasional slickensides occur along fractures - also scattered thin magnetite veins and veinlets. - sulphides present in trace amounts as very small Po blebs along carbonate & serpentine filled fractures, as well as very minor Py diss. Py mineralization - unit strongly magnetic, c̄ av. reading of 4.0 on Mag Sus. - gradational contact to 215 c̄ more schistose & altered ultramafic rock.		T R A C E	207	100%		S A M 208	100%	
		Py	QFP	215'-225' SERPENTINITE - predominantly massive serpentine, with bands of remnant ultramafic rock - remnant olivine crystals throughout unit in a schistose-gneiss alignement at 60°-70° to core box axis - carbonate alteration present throughout rock as thin blebs and seams parallel to schistosity, as well as along fracs irregularly spaced fractures which are predominantly oriented parallel to schistosity. - also talcose bands and seams also occur throughout unit. - sulphides present to .5% of rock as small thin Py, Cpy & very minor Po blebs along fractures - unit is non-magnetic - from 219'-221.5', small QFP dyke c̄ trace fg diss Py - highly fractured c̄ chlorite-carb. fracture filling			217	100%		S A M P L E 215	100%	
		Py	EPIDOTE	225'-228' MASSIVE EPIDOTE - massive, light green, translucent, hard epidote rich rock, c̄ occasional bands and clots of more mafic mineralization, as well as occasional quartz-carbonate veins - fine grained, c̄ also small quartz phenocrysts. - trace Py along fractures	0.5%	TR	227	100%		225	100%	
		Py		228'-232.5' ULTRAMAFIC ROCK (c̄ VARYING DEGREES & TYPES OF ALTERATION) predominantly a fine grained to aphanitic, strongly serpentinized & carbonated ultramafic rock, c̄ talcose and tremolitic bands. - very slightly schistose at 80°-90° to core box axis. - also thin felsic volcanic bands occur concordantly c̄ ultramafics - fractures are irreg spaced & randomly oriented, & predominantly carbonate filled. - sulphides present in trace amounts as small Py blebs along fractures. - non-magnetic, neg Ni test over areas of mineralization.		T R A C E	237	100%				
		Py	QFP			1%						

HOLE NO. 7-3

CASING COLLAR ELEV.:

COORDINATES: 10650 N. 18790 E.

INCLINATION: -45°

GROUND ELEV.:

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 27, 1979

DATE FINISHED: NOV. 28, 1979

TOTAL DEPTH: 356'

PAGE NO: 5 OF 6.

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	EST MATED
				AVE CORE REC'Y / HOLE							
				238.5' - 256' DACITE - massive, fine grained to aphanitic, felsic-intermediate volcanic (dacite). - closely spaced, randomly oriented fractures are predominantly calcite filled. - sulphides are present as 1% of rock primarily as thin Py blebs along fractures, & some minor fg diss Py mineralization - very minor Cpy along select fractures.	1%		100%	BQ			
				256' - 244.8' FELDSPAR PORPHYRY - fg-aphanitic felsic matrix & large plag. phenocrysts to 1/8" and 25% of rock - fewer phenocrysts towards contact at 28°, indicating a chill margin and intrusive - sub intrusive origin. - mafic content ≈ 8% - fractures are irregularly spaced & randomly oriented & carbonate fracture filling and minor chlorite alteration of mafics. - minor kaolinization of feldspars. - sulphides presence to 1% of rock as fg diss Py & very minor Cpy.	1%	247			248		
				244.8' - 248' FELDSPAR PORPHYRY (& HIGHER MAFIC CONTENT) - fine grained fg aphanitic feldspar rich matrix & phenocrysts of plag to 1/16" & 10% of rock, and hornblende phenocrysts to 1/8" & 20% of rock. - small chlorite clots also scattered throughout unit. - sulphides present to 1% of rock as fg diss Py-Po and occasional small Po blebs.	10%		100%		S A M. 249.2	100%	
				248' - 254.2' INTERBEDDED GRAPHITE & SULPHIDES - predominantly thinly bedded/schistose graphite & bedding at 80°-90° to core box axis. - Sulphides present as thin blebs & seams parallel to bedding as well as larger, massive sections. - overall sulphide content ≈ 10% primarily as Po & v. minor Py & Cpy (note- Po is only weakly magnetic) - Mag Sus av = 0.3, high of 0.7 at 251'. - fractures are closely spaced and predominantly oriented parallel to bedding, & carbonate fracture filling - clear small vugs present in graphite - from 251'-261.5' band of massive Po & minor Py. - negative Ni test - occasional, sharp features visible.	3%	251			250.3		
				254.2' - 258.5' QUARTZ-FELDSPAR PORPHYRY - fg aphanitic felsic matrix & small Aug & quartz phenocrysts to 1/32". - clear small mafic clots & phenocrysts to 10% of rock - massive, & clear widely spaced randomly oriented fractures which are predominantly carb. filled and minor chlorite alteration of mafics - sulphides present to 3% of rock as vfg Py mineralization as well as blebs of Py along fractures.	5%		100%		SAM 262	100%	
				258.5' - 261' INTERBEDDED GRAPHITE & SULPHIDES - predominantly thinly bedded/schistose graphite & bedding at 80°-90° to core box axis - clear small cherty rhyolite fragments (5% of rock) and seams oriented parallel to bedding - fractures are closely spaced (av 1" apart) and are oriented both parallel to bedding and at 45° to core box axis - predominantly carbonate filled. - sulphides present as 5% of rock in the form of fg diss mineralization, thin blebs & seams oriented parallel to bedding, and occasional massive bands to 1" in width. - 5% sulphide content is ≈ 3% Po, 1% Py, and 1% Cpy - occasional sharp features inherent in bedding - unit is weakly magnetic, & av Mag Sus reading = 0.2 - neg Ni test.	3%	261	100%		SAM 264	100%	
				261' - 264' CHERTY RHYOLITE - fine grained cherty rhyolite, slightly schistose as indicated by alignement of mafic blebs & seams, as well as occasional cherty fragments (possibly a lapilli tuff) - fractures are irregularly spaced & randomly oriented, and are predominantly carbonate or sulphide filled. - sulphides present as 3% of rock as thin bands & blebs oriented ∥ to schistosity, and fg diss mineralization, and are Po - 2%, Py 0.5%, Cpy 0.5% - unit is very weakly magnetic & mineralized zone, reading of 0.2 on Mag. Sus. - neg Ni test. - this contact and non-homogeneous facies, i.e. chemical sediment.	1%	264	100%				
				264' - 280.5' FOLIATED ANDESITE TUFF - thin section (at 80°-90° to core box axis) shows chloritized andesitic tuff, & occasional more felsic & mafic bands. - sulphides present to 1% of rock as fg diss Py. - 280.5' - 285' ANDESITE CRYSTAL TUFF - fine grained felsic matrix & occasional small quartz & feldspar phenocrysts to 1/32" and 20% of rock. - fractures are irregularly spaced & randomly oriented, & predominant quartz & carbonate fracture filling - sulphides are in the form of fg diss mineralization and occasional small blebs - sulphides are present in lack of phenocrysts towards contacts.	2%	271	100%				

HOLE NO. 1-3

CASING COLLAR ELEV.:

COORDINATES: 10550

INCLINATION: 45°

GROUND ELEV.:

N. 18790 E.

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 27, 1979

DATE FINISHED: NOV. 28, 1979

TOTAL DEPTH: 356'

PAGE NO: 6 OF 6

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

COMMENTS:
note - sample 300-310 is a test sample on the ultramafic unit, i.e. if long significant assay results return, the rest of the unit can be sampled.

AVE CORE REC'Y / HOLE

ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
		Cpy. Py.		216'-276' SPHERULITIC ANDESITE - lg-aphanitic, slightly schistose, silicified andesite, - highly fractured at random orientations, & carbonate fracture filling - trace fn along carbonate lined fractures (unlikely) as well as trace lg disseminated			100%	BQ	300 SAMPLE 310	100%	
		Py.		276'-277' FELDSPAR PORPHYRY - lg felsic to intermediate phase, & abnt small feldspar phenocrysts. - small thin mafic clots to 25% of rock (possibly a crystal dacite tuff) - fractures are closely spaced, and predominantly at 60°-70° to core box axis & calcite filled. - trace amounts of lg diss Py & very minor Cpy, as small blebs along occasional fractures.		327					
				277'-281' MASSIVE ANDESITE - lg-aphanitic, dark green, slightly silicified massive andesite, & abnt irreg-spaced randomly oriented carb. filled fractures - sulphides present in trace amounts primarily as small thin Py & v. minor Cpy blebs along fractures.					310		
				281'-289' CHLORITE SCHIST - light green, lg-aphanitic chlorite schist, possibly of andesitic origin. - schistosity well developed at 80°-90° to core box axis - fractures are irregularly spaced and predominantly parallel-sub parallel to schistosity, with carbonate and minor talc fracture filling. - occasional very fine grained biotite rich bands and seams (lamprophyric) - sulphides present in trace amounts as thin blebs of Py & very minor Cpy along fractures - neg Ni test on min. amounts		317	100%				
		Py		289'-291.5' LAMPROPHYRE DIKE - lg to aphanitic lamprophyre dyke, very biotite rich as vfg brown flakes. - highly fractured randomly oriented, & carbonate fracture filling and chlorite alteration of biotite - no visible sulphides							
				291.5'-355' ULTRAMAFIC VOLCANIC ROCK (WITH VARYING DEGREES AND TYPES OF ALTERATION) - lg-aphanitic, ultramafic volcanic rock which has undergone varying types and degrees of alteration. - predominantly strongly serpentinized, however areas of very strong talc-chlorite-carbonate alteration occur throughout unit. - primary massive, however becomes slightly schistose in areas of strong talc-chlorite-carbonate alteration (schistosity at 70°-80° to core box axis). - fractures are irregularly spaced, and randomly oriented (av. 2.3" apart) - calcite, and magnesite are predominant fracture filling minerals, & occasional talc and serpentine fracture filling. - carbonate alteration also present throughout rock as large seams, and blebs. - fine 90° sp. spinifex texture as long thin aggregates or among crystals. - chlorite alteration becomes pervasively very strong towards 355' (gradational increase), and carbonate blebs and seams, increase in frequency from 347'-355' - overall sulphide content of unit is ≈ 2% in the form of calcite blebs-veins [1% large cubic Py cubes and blebs to ¼" in size scattered throughout unit [1% lg diss Py and minor Cpy mineralization - unit is magnetic & varying intensity, ranging from 6.0 in serp. zones to 0.1 in schistose chlorite zones, with an average reading of ≈ 3.0 (on Mag. Sus.). - from 345'-346.5' small lamprophyre dyke - Kspar rich matrix & abundant vfg biotite.	2%	321' 327 317 321' 337'	100%				
			lamprophyre dyke	355'-356' DACITE - lg-aphanitic felsic-intermediate massive volcanic. - often small mafic clots to 15% of rock - fractures are irregularly spaced and randomly oriented, and are predominantly carbonate filled & minor chlorite alteration of mafics. - trace lg diss Py		347	100%				
		Py	calcite veins, blebs, & seams				100%				
		Py	slightly schistose andesite		TR.	356'					

PAGE NO.: 1 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 10630 N. 18790 E.

INCLINATION: - 45°

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 27, 1979

DATE FINISHED: NOV. 28, 1979

TOTAL DEPTH: 356'

HOLE NO.: I-3

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
0																			
10																			
20																			
30																			
40																			
50																			

PAGE NO.: 2 OF 6

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: 10630 N. 18790 E.

INCLINATION: -45° BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 27, 1979

DATE FINISHED: NOV. 28, 1979

TOTAL DEPTH: 356'

HOLE NO.: I-3

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
					Ni	Cu													

60

70

80

90

100

110

PAGE NO.: 3 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 10630 N. 18790 E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 27, 1979

DATE FINISHED: NOV. 28, 1979

TOTAL DEPTH: 356'

HOLE NO.: I-3

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni%	ASSAY Cu%	ASSAY Co%	ASSAY Au oz.	ASSAY Ag oz.
145'	159'	8001	132"	100%	0.23	0.005	0.012	—	—
159'	167'	8002	96"	100%	0.23	Nil	0.006	—	—
167'	176'	8003	108"	100%	0.21	Nil	0.007	—	—
177'	185'	8004	90"	100%	0.83	Nil	0.005	—	—

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 4 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 10630 N. 15790 E.

INCLINATION: -45° BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: Nov. 27, 1979

DATE FINISHED: Nov. 28, 1979

TOTAL DEPTH: 356'

HOLE NO.: I-3

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni %	ASSAY Cr %	ASSAY Co %	ASSAY Au oz	ASSAY Ag oz
[illegible]'	185'	8004	96"	100%					
185'	192'	8005	84"	100%	0.21	Nil	0.013	—	—
201'	208'	8006	84"	100%	0.21	Nil	0.022	—	—
208'	215'	8007	84"	100%	0.22	Nil	0.018	—	—
215'	225'	8008	120"	100%	0.11	0.005	—	—	—

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 5 OF 6

CASING COLLAR ELEV.:

COORDINATES: 10630 N. 18790 E.

INCLINATION: - 45° BEARING: N30°E

GROUND ELEV.:

PROJECT: REDSTONE

DATE STARTED: NOV. 27, 1979

DATE FINISHED: NOV. 28, 1979

TOTAL DEPTH: 356'

HOLE NO.: I-3

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni %	ASSAY Cu %	ASSAY Au oz	ASSAY Ag oz	ASSAY Zn %
248'	254.2'	8009	74.4"	100%	0.06	0.02	Nil	0.01	0.04
258.3'	262'	8010	44.4"	100%	0.02	0.03	Nil	Nil	0.14
262'	264'	8011	24"	100%	0.01	0.02	Nil	0.01	0.01

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 6 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 10630 N. 18790 E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 27, 1979

DATE FINISHED: NOV. 28, 1979

TOTAL DEPTH: 356'

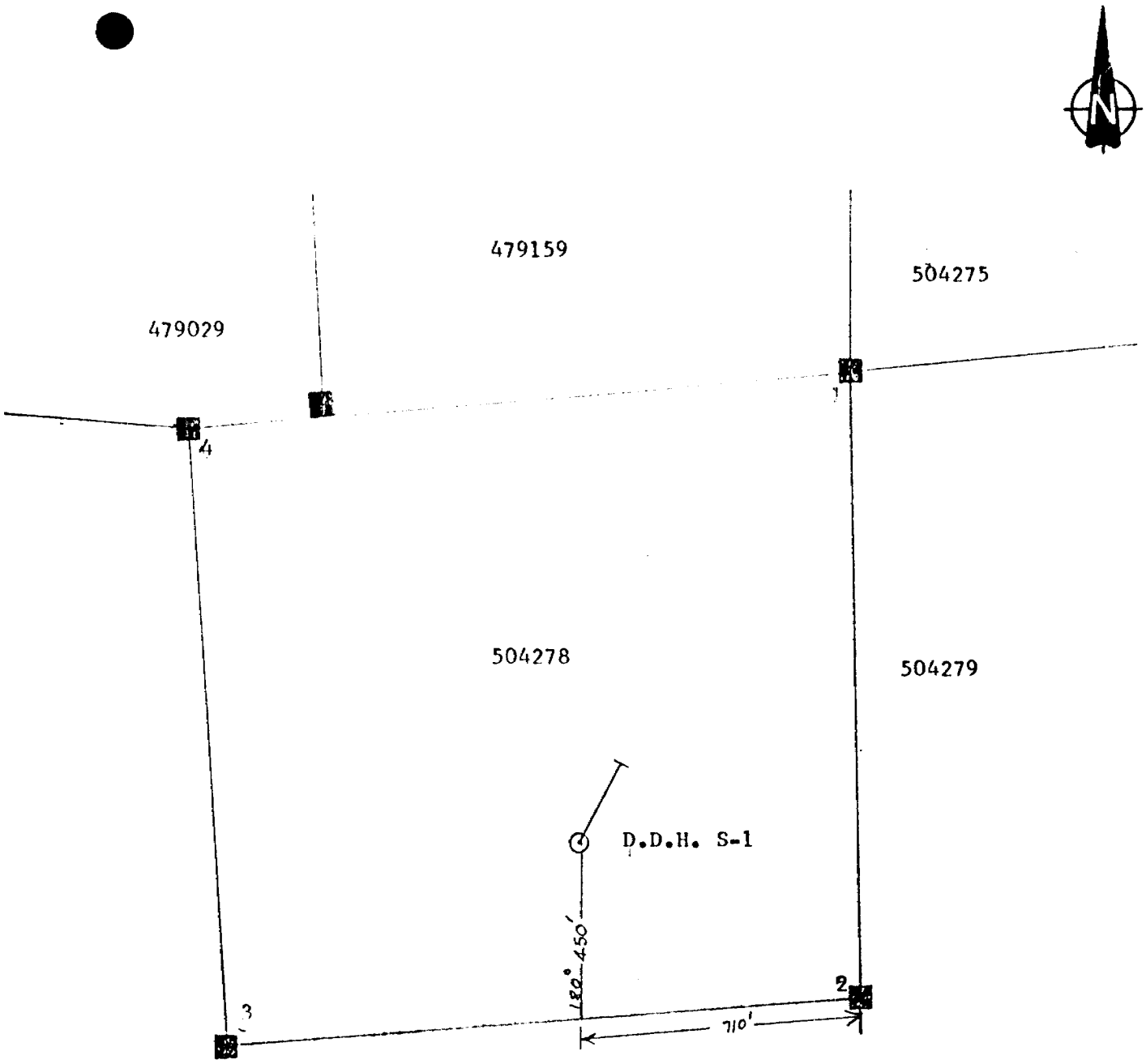
HOLE NO.: I-3

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McNOR

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni %	Cu %	Co %	Pt oz	Ag oz	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
										Zn %									
[illegible]	[illegible]	Bolt	180"	100%	0.12	0.01	—	—	—	0.01									



UTAH MINES LTD.
Exploration Department
Timmins, Ontario

Redstone Drilling

Drawn By: Louis Godbout

200 0 200 400
Scale in feet

HOLE NO. [illegible]-1

PROJECT: REDSTONE

PAGE NO: 1 OF 7

[illegible] ELEV.: [illegible]

GROUND ELEV.:

DATE STARTED: NOV. 6, 79

REF. TO CLAIM CORNER:

[illegible] 5835 N. 22700 E.

DATE FINISHED: NOV. 7 79

SCALE: 1" = 10'

[illegible] 75°

BEARING: N30°E

TOTAL DEPTH: 392'

LOGGED BY:: D. McIVOR

COMMENTS: HOLE COLLARED 2' ABOVE GROUND

AVE CORE REC'Y / HOLE

[illegible] ELEVATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY (0' @ 45°, 40° at 392' (corrected))	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
				0 - 62 OVERBURDEN				BQ			

HOLE NO. S 7

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES 13835 N. 22700 E.

INCLINATION -45° BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 6, 79

DATE FINISHED: NOV. 7, 79

TOTAL DEPTH: 392'

PAGE NO: 2 OF 7

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

ALTERATION: SERICITE	CHLORITE	CARBONATE	TALC	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 97.5%	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
							DESCRIPTIVE GEOLOGY								

62'-84.5' CHLORITIC SCHIST (ULTRAMAFIC?)
- fg-aphanitic predominantly chloritic schist, but with mod. amounts of talc and carbonate along fractures
- well developed cumulate texture from 62'-65' (settling out of olivine crystals, indicative of the bottom of an ultramafic flow
- irregularly spaced fractures av. 3-4" apart roughly parallel to moderately developed schistosity - trace amounts of fg dss Py throughout unit. neg. Ni test on entire unit
- small chlorite - tremolite phenocrysts present to 5-10% of rock
- at 65.6', small 2" diabase dyke (quartz, plag. mafics) c small garnets.
- gradational contact with a komatiite ultramafic to 84.5'

cumulate texture; DIORITE DYKE; Py; CALCITE VEINLETS; SLIGHTLY SCHISTOSE

84.5'-86' DACITE
- thin band of int volcanic, massive, grayish green in color
- small blebs and cubes of Py to 1% of rock
- at 85', small ½" qtz vein
- minor chlorite alteration along a few irreg. spaced fractures.

86'-107.5' KOMATIITIC BASALTIC TUFF
- light green, slightly schistose mafic to ultramafic volcanic
- irregularly spaced fractures averaging 3-4" apart, at random orientations i.e. some parallel schistosity, some crosscut schistosity
- mod to strong chlorite alteration throughout rock and along fractures
- strong carbonate alteration/fracture filling, in the form of thin white blebs and seams throughout rock
- talc alteration limited to 1' section (96'-97'), where is strong along fractures.
- trace amounts of vfg diss sulphides (Py) throughout rock
- at 94.5'-96.2' Po & Py to 5% of rock as vfg diss mineralization, blebs to ¼" and small veinlets. (Negative Ni test) - this area is magnetic, reading up to 8 on Mag Sus (set = 5.4)
- at 99.1 to 99.4', 3" zone with 2-3% Cpy as fracture filling and small veinlets
- at 109', small blebs of Cpy
- at 113.5 to 107.5, fg diss Py to 1% of rock
- negative Ni test on entire unit.

107.5'-113.5' CRYSTAL DACITE TUFF
- fg grayish green massive fel-int volcanic
- irregularly spaced fractures av 2-3" apart at random orientations (0°-90°)
- minor chlorite-carbonate alteration along fractures
- trace amounts of fg diss Py throughout rock as well as along some fractures.
- at 113', small 2" mafic seam with siderite? staining (small reddish brown blebs)

113.5'-120' ANDESITE TUFF
- fg aphanitic dark green int volcanic tuff
- slightly schistose, c irreg. spaced fractures randomly oriented, with minor chlorite - carbonate alteration/fracture filling
- trace vfg diss Py throughout rock

slightly schistose

% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
			BQ	62	
		100%		S A M P L E	100%
	67				
TR					
		100%		13	
	77			S A M P L E	100%
		100%		84.5	
1%					
	87				
TR					
		100%		93	
5%				SAM	100%
TR	97			98	
3%				SAM 100	100%
TR		100%		SAM	100%
1%	107			107.5	
TR		100%			
	117				

HOLE NO. 5-1 | PROJECT: REDSTONE | PAGE NO: 3 OF 7

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: NOV. 6, 79 | REF. TO CLAIM CORNER:

COORDINATES: 13835 N. 22700 E. | DATE FINISHED: NOV 7, 79 | SCALE: 1" = 10'

INCLINATION: -45° | BEARING: N30°E | TOTAL DEPTH: 392' | LOGGED BY: D. McIVOR

SECTION	ALTERATION: SERP	CHLORITE	CALCITE	TALC	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
	Nil	Mod.	Mod.	Nil		Py		120-121.2 ANDESITE - fg. aphanitic, massive, green, int. volcanic - mod carbonate & chlorite alteration along alent irreg. spaced fractures - trace vfg diss Py		TR			BQ			
		Moderate	Strong			Py		121.2 - 131.6 KOMATIITIC BASALTIC TUFF - fg. aphanitic, dark green-black mafic (ultramafic?) volcanic tuff - slightly schistose - strongly fractured (av. 2-3" apart) at random orientations (crosscut and parallel schistosity) - highly carbonated, in the form of fracture filling, seams and small stretched blebs (possibly amygdaloidal in origin) - moderate chlorite alteration throughout rock - from 131-131.6, becomes more massive in texture - trace amounts of fg Py diss through rock & along some fractures - negative Ni test of entire unit, non magnetic		TR	121	100%				
130		Moderate	Moderate					131.6' - 151' ANDESITE TUFF - fg. aphanitic, green, int. volcanic tuff - slightly schistose (thinly bedded?) - irregularly spaced fractures av 4-6" apart at random orientations - mod chloritization throughout rock with carbonate (magnesite?) fracture filling - occasional small felsic bands (dacite) throughout - at 140.5' 3" carbonate vein - 0% - trace vfg diss Py as occasional small crystals.		0% TR TR	137 147	100%				
150		Moderate	Moderate			Py		151' - 155.3' DACITE (intermediate volcanic) - fg. aphanitic matrix & small mafic clots to 10% of rock - massive to slightly schistose in places - hard, grayish green in colour - irregularly spaced fractures averaging 4-6" apart at random orientations - minor carbonate fracture filling, & minor chlorite alteration throughout rock			157	100%				
160		Moderate	Moderate (Magnesite)			Py Py Cpy		155.3 - 195' ANDESITE TUFF - fg. aphanitic int. matrix & small mafic clots to 10-15% of rock - slightly schistose in places - irregularly spaced fractures every 2-4" at random orientations - moderate chlorite alteration throughout rock - carbonate fracture filling is common as 1) Magnesite - very weak reaction ≈ HCl 2) Calcite - very strong reaction ≈ HCl - at 168.6', trace blebs of Cpy along fracture - at 170.1 trace Cpy along fracture - at 172', small 3" series of carbonate veinlets - trace amounts of vfg diss Py - Cpy along fractures, and occasionally through rock - occasional more felsic bands and seams (dacite) which are characteristically harder and greyer - v. minor amounts to towards 195' (reads 0.2 on MK-SUS. SET# 4.9) - at 196', small 1" carbonate vein		TR	167	100%				
170								carbonate				100%				
180						Py					177					

HOLE NO.: [illegible]-1
CASING COLLAR ELEV.:
COORDINATES: 13835 N. 22100 E.
INCLINATION: -45°

GROUND ELEV.:
BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: NOV. 6, 79
DATE FINISHED: NOV. 7, 79
TOTAL DEPTH: 392'

PAGE NO: 4 OF 7
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. McIVOR

ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT	ESTIMATED
NIL		MODERATE	NIL		Py, Po		very slightly schistose		TR	107	100%	BQ			
											100%				
						carbonate 175'-203'	ANDESITIC LAPILLI TUFF						195		
						felsic bags, spots, hard Ni test response at 203' along Py rich fracture	- fg-aphanitic dark green intermediate (andesite) matrix with felsic (rhyolite - characteristically hard and pinkish white) fragments up to 1" long as 15-20% of rock. - these fragments parallel the bedding - schistosity of the tuffaceous matrix, and are elongated (pyroclastic shape) - carbonate filled fractures av. 3-4" apart at random orientations - wk to moderate chlorite alteration throughout rock - Py present as ≈ 5% of rock as vfg diss mineralization (minor), and blebs and seams - trace amounts of Cpy and Py are also present - unit magnetic in areas of mineralization, reading as high as 0.5 on MAG SUS (SE 1162)		5%	127	100%		S A M P L E	100%	
									TR				203		
						felsic bags	203'-204.5' QUARTZ FELDSPAR PORPHRY - 1m wide occurrence, fg-mg QFP dyke, with chill margins and sloping of wallrock at contact indicating intrusive origin. - trace vfg diss Py		5%	207			204.5 SAM. 208	100%	
							204.5'-208' ANDESITIC LAPILLI TUFF - photogenically similar to andesite lapilli tuff at 195'-203'. but with fewer felsic fragments towards 208'		2-3%				SAM 211	100%	
					Py, Po	shear zone	- sulphides present to 5% of rock as blebs and seams, as well as fg diss mineralization - mainly Po, & minor Py and Cpy. - mag in areas of mineralization - neg Ni test		1%		100%		212.5		
					Po		208'-211' ANDESITE TUFF - fg-aphanitic, slightly schistose & thinly bedded andesite tuff - thin spaced carbonate filled fractures av. 3-4" apart - sulphides present to 1.5% as fg diss Po, with a few blebs and seams Po at 209', large 1/2" bleb of Cpy - Neg Ni test - towards 211' - a few rhyolite bands		10%	217			SAM. 211.5	100%	
						carb vein, 1/2 carb vein	211'-212.5' RHYOLITE TUFF - characteristically hard and pinkish white in colour - thinly bedded, with a few andesite beds - a few carbonate filled fractures at irregular intervals and random orientations - No sulphide mineralization as fg diss Py and Po.				100%				
					Py	bedding	212.5'-217.5' ANDESITE TUFF - fg-aphanitic dark green int. volcanic tuff, & a few irreg. spaced carbonate filled fractures - strong chlorite alteration throughout rock - at 215.5' 3" strongly chloritized, vuggy shear zone? c̄ 30% fg diss Po. - sulphide mineralization to 10% throughout rock as blebs and seams of Po, (& minor Cpy, Py) as well as fg diss Po. - neg. Ni test		1-2%	227	100%				
						calcite vein	217.5'-264.5' ANDESITE TUFF - fg-aphanitic intermediate volcanic tuff, med. green to dark green in colour - irregularly spaced (av. 2-3" apart) carbonate filled fractures at random orientations - the unit is predominantly thinly bedded, but more massive sections do occur between tuffaceous units			237					

HOLE NO. 5-1 | PROJECT: REDSTONE | PAGE NO: 5 OF 7

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: NOV. 6, 79 | REF. TO CLAIM CORNER:

COORDINATES: 13835 N. 22700 E. | DATE FINISHED: NOV 7, 79 | SCALE: 1" = 10'

INCLINATION: -45° | BEARING: N30°E | TOTAL DEPTH: 398' | LOGGED BY: D. McIVOR

SECTION	ALTERATION: SERP.	CHLORITE	CALCITE	TALC	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATE
	NIL	MODERATE TO STRONG	MODERATE IN FRACTURES	NIL		Py, Po		217.5 - 269.5 cont.					BQ			
							bedding	- moderate to strong chlorite alteration throughout rock - occasional bands up to 6" of very slightly more felsic volcanics occur (dacite - low order andesite) - at 219.5', small 1" carbonate vein - at 220.3', small 1" quartz - carbonate vein - at 235', ?" quartz carbonate vein - at 239', small 1" calcite vein - at 241' - 241.7' calcite veins concordantly cut andesite tuff - 1-2% sulphides throughout unit as fg. diss. Py as well as occassional small blebs and seams of Po. - minor Py cube mineralization along alew fractures - unit magnetic in areas of localized mineralization - negative Ni test over mineralized areas.		1-2%	247 250	100% 100% 83%				
250						Po, Py					256					
260								269.5' - 268.8' - MASSIVE ANDESITE - fg. massive intermediate volcanic (andesite) - irreg. spaced fractures av. 2-3" apart at random orientations - carbonate fracture filling moderate, & moderate chlorite alteration throughout rock. - trace amounts of vfg diss Py throughout rock			266	100%				
						Py		268.8' - 269.2' - SMALL QFP DYKE		TR						
270		WEAK TO MODERATE STRONG	MODERATE IN FRACTURES			Py	QFP dyke rhyolite flags.	269.2' - 272.8' ANDESITE LAPPILLI TUFF - fg. aphanitic red green int. volcanic matrix & alew small (to 1/2") rhyolitic fragments as 5% of rock. - thinly bedded and slightly schistose, & carbonate filled fractures every 3-4" predominantly parallel to bedding (although alew cross-cutting fractures are present) - weak chlorite alteration throughout rock - trace amounts of vfg diss Py		TR TR		100%				
						Py, Po, Cpy	QTZ VEIN slight schistosity				271					
280				WEAK TO MOD.		Py		272.8 - 274.4 DACITE - fg. aphanitic grey felsic - int (dacite) volcanic, massive - trace Py along thin (1/4") quartz vein at 274'.		TR To 1%						
		STRONG VIRY STRONG				Py	schistosity	274.4 - 281.6 CHLORITIZED ANDESITE SCHIST - fg. aphanitic intermediate volcanic, chloritized schist - schistosity poor to moderately developed - alew very spaced chlorite - carbonate filled fractures predominantly parallel to schistosity - mod to strong chlorite alteration throughout rock - trace amounts of fg diss Py throughout rock as well as trace - 1% Po, Py and minor Cpy along fracture at 276'. (Neg Ni test)		TR		100%				
							FELSIC BAND				287					
290						Po, Py, Cpy		281.6' - 285.6' CHLORITE - CARBONATE SCHIST (ULTRAMAFIC?) - fg. aphanitic, highly chloritized and carbonatized mafic to ultramafic rock, very soft, greenish black - schistosity moderately to strongly developed - occasional carbonate (magnesite) filled fractures predominantly parallel to schistosity - weak to moderate talc alteration along fractures and schistosity planes. - trace amounts of fg diss. Py, negative Ni test. - unit is non-magnetic - occasional quartz - carbonate veins		1%		100%				
						Po, Py, Cpy	tuffaceous band	285.6' - 286.2' - SMALL FELSIC BAND - fg. hard grey rock, possibly a fg intrusive to sub-intrusive or dacite flow.			297					
300																

HOLE NO. 5-1
CASING COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: 13835 N. 22700 E.
INCLINATION: -45°
BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: NOV. 6, 79
DATE FINISHED: NOV 7, 79
TOTAL DEPTH: 392'

PAGE NO: 6 OF 7
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. McIVOR

SECTION	ALTERATION: SERP	CHLORITE	CALCITE	TALC	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	EST. MAT
	N/A	STRONG	MOD.	N/A		Py		286.8' - 311.5' CHLORITIZED ANDESITE - fg. aphanitic med.-dark green intermediate to mafic volcanic, very soft - primarily appears massive, although tuffaceous looking bands do exist (noticeably at 295'-297') - very slightly schistose appearance along fractures				100%	BQ			
						Py		- irregularly spaced carbonate filled fractures av. 2-3" apart at random orientations.		1%	306					
						Cpy		- chlorite alteration very strong throughout rock - occasional semi-spherical carbonate clts (although v. weak reaction c̄ HCl) occur (noticeably at 290'-291') - from 296'-297' highly carbonated tuffaceous band								
310						BR (Py)		- sulphide content is primarily vfg diss Py, Po and Cpy to 1% of rock, c̄ occasional fracture coatings of Po-Cpy - neg Ni test on mineralization								
		MOD. STRONG	MOD.			Po		MAG. BANDS 311.5' - 313' INTERBANDED DACITE c̄ MASSIVE MAGNETITE - thinly banded (av ½" apart) fel-int volcanic (dacite) and massive magnetite - magnetite bands up to ¼" thick as 35% of rock - occasional carbonate filled fractures roughly parallel to bedding-banding - minor chlorite alteration of volcanic rock - sulphides present to 5% as vfg diss Po, Py and Cpy (lining) - neg Ni test on mineralization - unit obviously magnetic, reading as high as 35 on Mag. Sus. (Sec. 6.2)		5%		100%		311.5 SAM 313	100%	
						Po		chlorite seams		10%						
										TR	314					
320		MOD IN THIN SECTIONS	MOD AS FRACTURE FILLING AND ALTERATION			Po		313'-315' DACITE - fg felsic-intermediate volcanic c̄ sulphide rich chloritized bands and occasional thin magnetite seams - afew carbonate filled fractures, c̄ carbonate throughout rock also - sulphides present to 10% as fg diss Cpy, Po and Py, as well as larger Po blebs. - magnetite blebs and seams as 5% of rock. - neg Ni test on mineralization		TR				320.4		
						Py		mag. bands				100%		SAM	100%	
						Mg		315'-317.5' CHLORITIZED ANDESITE - dark green, very soft, massive chloritized andesite - minor carbonate occurring along afew irreg. spaced fractures - trace amounts of vfg diss sulphides (Po, Py, Cpy) - Negative Ni test.		5%	326			FILE		
						Py		317.5'-320.4' MASSIVE FELSIC VOLCANIC? (POSSIBLY SUB INTRUSIVE)						328		
330		WEAK TO MOD.	MOD. AS FRACTURE FILLING			Py		- yellowish gray fg-aphanitic cherty matrix c̄ fg-mg mafic chts (semi-spherical) to 30% of rock - afew irreg spaced and chlorite altered fractures at random orientations - trace amounts of fg diss sulphides along fractures - irregular and stoped contacts as well as an increase in grain size towards center of unit suggest an intrusive - sub intrusive origin		TR To 1%		100%		333		
						Cpy		320.4'-328' TACONITE (INTERBANDED CHERT-MAGNETITE IRON FORMATION) - interbanded chert and massive magnetite - magnetite bands av. ½" in width, but occur as wide as 3-4", as 30-40% of unit - occasional small chloritized int. volcanic bands and seams.		2-3%	337			SAM	100%	
						Py		- carbonate filled fractures av. 4-6" apart at random orientations - sulphides present to 5% as fg diss Po, Py and minor Cpy, as well as occasional blebs and seams of Po associated with thin chloritized bands - negative Ni test over mineralized areas - unit is obviously magnetic, reading as high as 65 on Mag Sus (Sec. 6.6)		TR To 1%				338		
340						Cpy						100%				
		VERY STRONG		VERY WEAK		Py		328'-344' MASSIVE ANDESITE - fg-aphanitic med. green massive intermediate (andesite) volcanic - irreg spaced (av 4-6" apart) carbonate filled fractures at random orientations - neg Ni test over mineralized areas - weak chlorite alteration throughout rock, becoming stronger along fractures - trace-1% amounts of fg diss Py and Cpy throughout rock.		TR	347					
350						Py		bedding - gradational contact with more schistose altered unit to 344' - at 336' 6" andesite band c̄ 2-3% Cpy as seams and blebs.						349		
		MOD				Cpy		344'-392' CHLORITE CARBONATE SCHIST (LOW ORDER ULTRAMAFIC - KOMATIITE BASALT?) - highly chloritized and carbonated schistose green rock - irreg. spaced carbonate filled fractures at random orientations - trace amounts of vfg diss Py present throughout rock, as well as occasional rusted blebs. - neg Ni test unit is non-magnetic		1%		100%		SAM	100%	
	NIL	VERY STRONG	STRONG	NONE		Py		schistosity		TR	357			355.5		
360																

HOLE NO: [illegible]
CASING COLLAR ELEV.:
COORDINATES: 13835 N. 22700 E.
INCLINATION: -45°

GROUND ELEV.:
BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: Nov. 6, 79
DATE FINISHED: Nov 7, 79
TOTAL DEPTH: 392'

REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: D. McIVOR

ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
				379'-365.5' ANDESITE TUFF - fg aphanitic med. green intermediate volcanic - thinly bedded and slightly schistose & carbonate filled fractures av 3-4" apart predominantly semi-parallel to bedding - chlorite alteration moderate throughout rock - Py and Cpy present to 1% of rock as blebs to ¼" and fg diss mineralization - at 375.2' ¼" seam of 30% Cpy		TR 1-2%		100%	BQ			
				365.5'-363.8' CHLORITE-CARBONATE SCHIST (LOW ORDER ULTRAMAFIC-KOMATIITE BASALT?) - fg aphanitic light green mafic to ultramafic schist - very strong chlorite-carbonate alteration throughout rock - minor talc alteration also present primarily along fractures - carbonate filled fractures av. 6-8" apart at very random orientations. - sulphides present as fg diss Py in trace amounts, as well as occasional blebs and cubes to ⅛" - unit is non-magnetic negative Ni test over entire unit - schistosity is highly irregular in places, indicating strong folding-shearing		TR	367	100%				
				363.8'-365.5' DACITE - fg aphanitic massive dacite, & highly chlorited fracture surfaces at irregular intervals and random orientations - 1-2% Py cubes to ⅛" as well as fg. diss mineralization		1-2%	377	100%				
				365.5'-369.8' CHLORITE-CARBONATE SCHIST (LOW ORDER UM?) - fg aphanitic, med. green strongly chloritized and carbonatized schist. - often irreg. spaced carbonate filled fractures at random orientations - trace fg diss Py throughout rock - non magnetic, negative Ni test over entire unit.			383	100%				
				369.8'-383' ANDESITE - fg aphanitic, massive green intermediate volcanic - often irreg spaced (av 8" apart) carbonate filled fractures at random orientations. - moderate chlorite and weak carbonate alteration throughout rock - occasional more felsic (dacite) bands or sections - 1-2% sulphides primarily as Py cubes throughout rock (minor Cpy) as well as fg diss Py		NO CORE		0%				
				383'-392' - NO CORE			392					

Duncan McIvor

PAGE NO.: 1 OF 7

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: 13835 N. 22700 E.

INCLINATION: -45° BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 6, 1979

DATE FINISHED: NOV 7, 1979

TOTAL DEPTH: 392'

HOLE NO.: S-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

10

20

30

40

PAGE NO.: 2 OF 7

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 13835 N 22700 E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV 6, 79

DATE FINISHED: NOV. 7, 79

TOTAL DEPTH: 392'

HOLE NO.: S-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	ASSAY					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Ni %	Cu %	Au oz/T	Ag oz/T	Cr %	FROM	TO								
62'	73'	6137	132"	100%	0.05%	0.01%													
73'	84.5'	6138	138"	100%	0.05%	0.01%													
93'	98'	6145	60"	100%	0.01	0.01	Nil	Nil											
98'	100'	6146	24"	100%	0.01	0.02	0.002	Nil											
100'	107.5'	6147	90"	100%	0.01	0.01	Nil	Nil											

PAGE NO.: 3 OF 7

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 13835 N. 22700 E.

INCLINATION: - 45°

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 6, 79

DATE FINISHED: NOV. 7, 79

TOTAL DEPTH: 398'

HOLE NO.: S-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC	% REC.	ASSAY					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 5 OF 7

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 13835 N. 22700 E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: NOV. 6, 79

DATE FINISHED: NOV. 7, 79

TOTAL DEPTH: 398'

HOLE NO.: 5-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McEVOR

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC	% REC.	ASSAY Ni	Cu	Au	Ag	Cr	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

210

230

PAGE NO.: 6 OF 7

CASING COLLAR ELEV.:

COORDINATES: 13835 N. 22700 E.

INCLINATION: -45° BEARING: N30°E

GROUND ELEV.:

PROJECT: REDSTONE

DATE STARTED: NOV 6, 79

DATE FINISHED: NOV 7, 79

TOTAL DEPTH: 392'

HOLE NO.: S-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: D. McIVOR

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni%	ASSAY Cu%	ASSAY Au%	ASSAY Ag%	ASSAY Cr %
311.5	313'	6149	18"	100%	0.005	0.01	Nil	Nil	<0.01
313'	315'	6148	24"	100%	0.005	0.01	Nil	Nil	
320.4'	328'	6142	91.2"	100%	0.005	0.01	Nil	Nil	<0.01
333'	338'	6143	60"	100%	0.01	0.01	Nil	—	
349'	355.5'	6144	78"	100%	0.01	0.02	Nil	—	

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 7 OF 7

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 13885 N. 22700 E.

INCLINATION: -45°

BEARING: N 30° E

PROJECT: REDSTONE

DATE STARTED: NOV. 6, 79

DATE FINISHED: NOV. 7, 79

TOTAL DEPTH: 392'

HOLE NO.: S-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

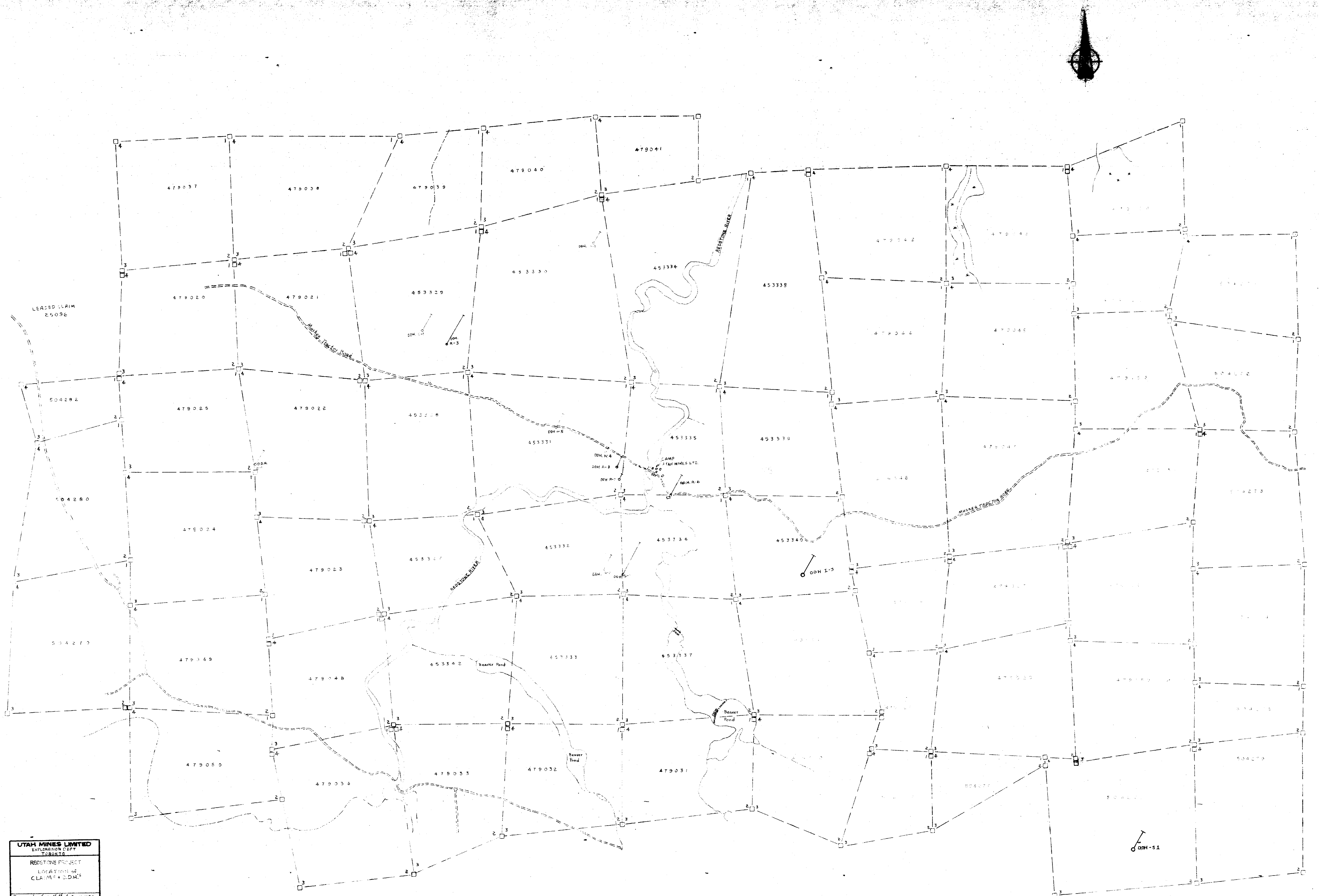
LOGGED BY: D. McIVOR

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Ni	Cu	Au	Ag	Cr	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

340

360

380



UTAH MINES LIMITED
EXPLORATION DEPT
TORONTO

REDSTONE PROJECT

LOCATION of
CLAIMS + D.D.H.'s

Drawn by: [illegible] May 11, 1978
200 0 200 400
Scale in FEET

200