42A06SE0096 20 ELDORADO

010

Diamond Drilling

Township of ELDORADO

Report Nº 20

Work performed by: Utah Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
P 453329	C-1	300.0'	Apr/78	(1)
P 479022	B-1	260.0'	Apr/78	(1)
P 453330	F-1	195.0'	Apr/78	(1)
P 453329	R-3	529.7'	June/78	(2)
		1284.7'		

Notes:

(1) #118-78

(2) #117-78

HOLE NO. C-1
CASING COLLAR ELEV.:
COORDINATES: 13475 N. 14540 E.
INCLINATION: -45°40' -51°±30' BEARING: N.P. E.
GROUND ELEV.: 95[illegible]
PROJECT: [illegible]
DATE STARTED: [illegible]/78
DATE FINISHED: [illegible] 10/78
TOTAL DEPTH: 300'
PAGE NO: 1 OF 5
REF. TO CLAIM CORNER:
SCALE: 1"=10'
LOGGED BY: [illegible]

#118

SECTION	ALTERATION: SERICITIZATION	ALTERATION: CHLORITE	ALTERATION: CARBONATE	ALTERATION: SILICIFICATION	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
0																
1																
								C-42.2 Overburden.								
											42					
	V	V						42.2-52.5 Dacite volcanic f grained		t						
	S	S						[illegible] throughout except		r						
	L	L						for [illegible]						43		
	I	I				1%	RV	[illegible] appears to be since		c		100			93	
								[illegible]						53		
								[illegible]		c						
								49.7-52.3 Quartz Vein		c						

HOLE NO. C-1
CASING COLLAR ELEV.:
COORDINATES: 13425 N. 14541 E.
INCLINATION: -45° 27 min
GROUND ELEV.: 950 approx
BEARING: N 18 W
PROJECT: Red Stone
DATE STARTED: April 11/78
DATE FINISHED: April 13/78
TOTAL DEPTH: 300'
PAGE NO: 2 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: Kevin Rickham

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
60												
					mafic lapilli tuff minor chlorite coated along fractures.	t r g c e						
1					76.2 - ½" q.v.			100				
							80					
					84.5 - 95.3 Mafic Volcanic blue grey to blue green in HCl test slightly friable magnesite stringers throughout 92.7 - 95.3 spotted effect (blocks approx 2.5 in) in blue green groundmass. [illegible] magnetite	t r g c e		100				
					95.3 - 106.7 Pale [illegible] QFP (tuff) rather fine grained chlorite on fractures as veinlets in groundmass. massive gabbroic save phenos.	t r g c e	100					
					106.7 - 108.9 Chloritized Rhyolite tuff.							
					108.9 - 114.3 Dacite tuff (very poorly developed QFP) only porphyritic section appears very soft (1" chloritic) shear.			100				
					114.3 - 139.6 Chloritized Rhyolite. highly chloritic throughout med green.	.5						

HOLE NO. C-1
CASING COLLAR ELEV.:
COORDINATES: N. 1434 E.
INCLINATION: -51 to 0
BEARING: N 13° E

GROUND ELEV.:
PROJECT: Arbutone
DATE STARTED: April 17/78
DATE FINISHED: April 18/78
TOTAL DEPTH: 300'

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

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	HIGH				124.8 - 127.5 may be relict spinifex zone. 127.5 - 128.2 up to 10% coarse euhedral py. (<.3in.)								
130									100				
140			py		139.6 - 151.1 Siliceous Cherty Sediment? (Rhyolite?) rather evenly disseminated cubic py throughout		2 to 3%	143			140	100	
150	SILICIFIED				151.1 - 164.3 Sulfide IRON FORMATION 151.1 - 153.2 py rich (vuggy) 153.2 - 159.6 sugary grey qtz with up to 10% po over 2" sections 159.6 - 161.4 massive po with occasional py eyes! up to .4" in diam 161.4 - 164.3 possibly second sam IIIF		5% 2 % 75% 10%	162	100		150	100	
	HIGH				164.3 - 169.2 Sulphiferous Andesite		2%				160	100	
					169.2 - 170.2 Felsic Dyke? 170.2 - 176.2 Sulphiferous Andesite				100		170		
					176.2 - 180.1 Partially Recrystallized Felsic tuff 176.2 - 181.9 aphanitic slightly chloritic massive		.5	180					

HOLE NO. C-1
CASING COLLAR ELEV.:
COORDINATES: [illegible] N. [illegible] E.
INCLINATION: [illegible]
GROUND ELEV.: [illegible] approx.
BEARING: [illegible]
PROJECT: Rockstone
DATE STARTED: April 17/78
DATE FINISHED: April 18/78
TOTAL DEPTH: [illegible]
PAGE NO: 4 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: [illegible]

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
180	V V	/			181.9 - 188.1 partially recrystallized visible feldspars and chlorite clots							
		/										
		/		/	gv's							
	E E	/		/	gv's at 184.9 1"	t						
		/			185.5 2"							
190		/			185.9 2"			100				
					186.9 1"	r						
	R R	/			186.1 - 186.5 Epidote chlorite calcite	q						
				-	gv 186.5 - 191.7 Dacite tuff	c						
	Y Y	/			191.7 - 203.1 Rhyodacite & Rhyolite tuff	e						
200							200					
		/			203.1 - 206.7 Dacite tuff. grey with occasional chlorite clots							
	S S	/			206.7 - 221.2 Rhyolite tuff (fragmental).	t						
		/			beige grey to buff	r						
	L L	/			very slightly chloritic in places.	q						
210					moderately well banded in places.	c		100				
	I I	/				e						
		/										
	C C	/										
		/										
220	H	/					220					
	T T	/	=	PY	221.2 - 222.5 Andesite tuff.							
		/			222.5 - 225.5 Dacite tuff	t						
		/	=	PY	225.5 - 226.6 Andesite	r						
		VV			226.6 - 266.5 Rhyolite (grey) tuff. aphanitic							
230		VVVV			mod - highly fractured	q		100				
					py on fractures	c						
						e						

HOLE NO. C-1
CASING COLLAR ELEV.:
COORDINATES: 13495' N. 14540 E.
INCLINATION: -49°/83 BEARING: 1[illegible]
GROUND ELEV.: 950 approx
PROJECT: Rock Tone
DATE STARTED: April 17/78
DATE FINISHED: April 18/78
TOTAL DEPTH: 300'
PAGE NO: 5 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: Bruce Pulkan

SECTION	ALTERATION: CARBONATE	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
240		V	V					massive		t						
		C	e					minor calcite developed along fractures		r						
		r	r					minor bleaching along fractures		a						
250		y	y					definitely fragmental in lower portion		c						
		s	S							e						
260		L	L								260					
			I					266.5-267.7 Chloritized Andesite tuff.		t						
								267.7-290.8 Rhyolite tuff (fragmental)		r						
		I						fragments + groundmass - aphanitic		a						
		n	G					fragments generally more large		c						
		t						some grey ptz developed in ground-		e						
		e						mass (possibly chert).								
		r						very minor chlorite and epidote								
			T					minor calcite along fractures								
								281.6-288.6 slightly speckled effect.			280					
										t						
										r						
								290.8-300.0 Interbedded Rhyolite and Dacite		a						
		S						narrow fragmental bands of varying		c						
		h						composition		e						
		e									290					

PAGE NO.: 1 OF [illegible]

CASING COLLAR ELEV.:

GROUND ELEV.: [illegible]

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

INCLINATION: [illegible]

BEARING: [illegible]

PROJECT: Rockland

DATE STARTED: April 17/78

DATE FINISHED: April 18/78

TOTAL DEPTH: 300'

HOLE NO.: C-1

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: [illegible]

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY % Ni	% Cu	Pd oz/T	Pt oz/T		FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
49	53	2772		70	0.005	0.005	0.002	0.002											

PAGE NO.: 2 OF 3

CASING COLLAR ELEV.:

GROUND ELEV.: Approx 850

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED: April 18/78

TOTAL DEPTH:

HOLE NO.: C-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

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

PAGE NO.: OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.:

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

-5/20

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
150	160	2774		100	0.002	0.002	0.005	0.005											
160	170	2775		100	0.06	0.01	0.002	0.002											

PAGE NO.: 4 OF [illegible]

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

COORDINATES: N. E.

INCLINATION: [illegible] BEARING: [illegible]

PROJECT: [illegible]

DATE STARTED: April 11/78

DATE FINISHED: April 12/78

TOTAL DEPTH: [illegible]

HOLE NO.: -1

REF. TO CLAIM CORNER:

SCALE: 1" = [illegible]

LOGGED BY: [illegible]

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 5

CASING COLLAR ELEV.:

GROUND ELEV.: 9240 x 950

COORDINATES: N. E.

INCLINATION:

BEARING:

PROJECT:

DATE STARTED: 7/78

DATE FINISHED: 8/78

TOTAL DEPTH:

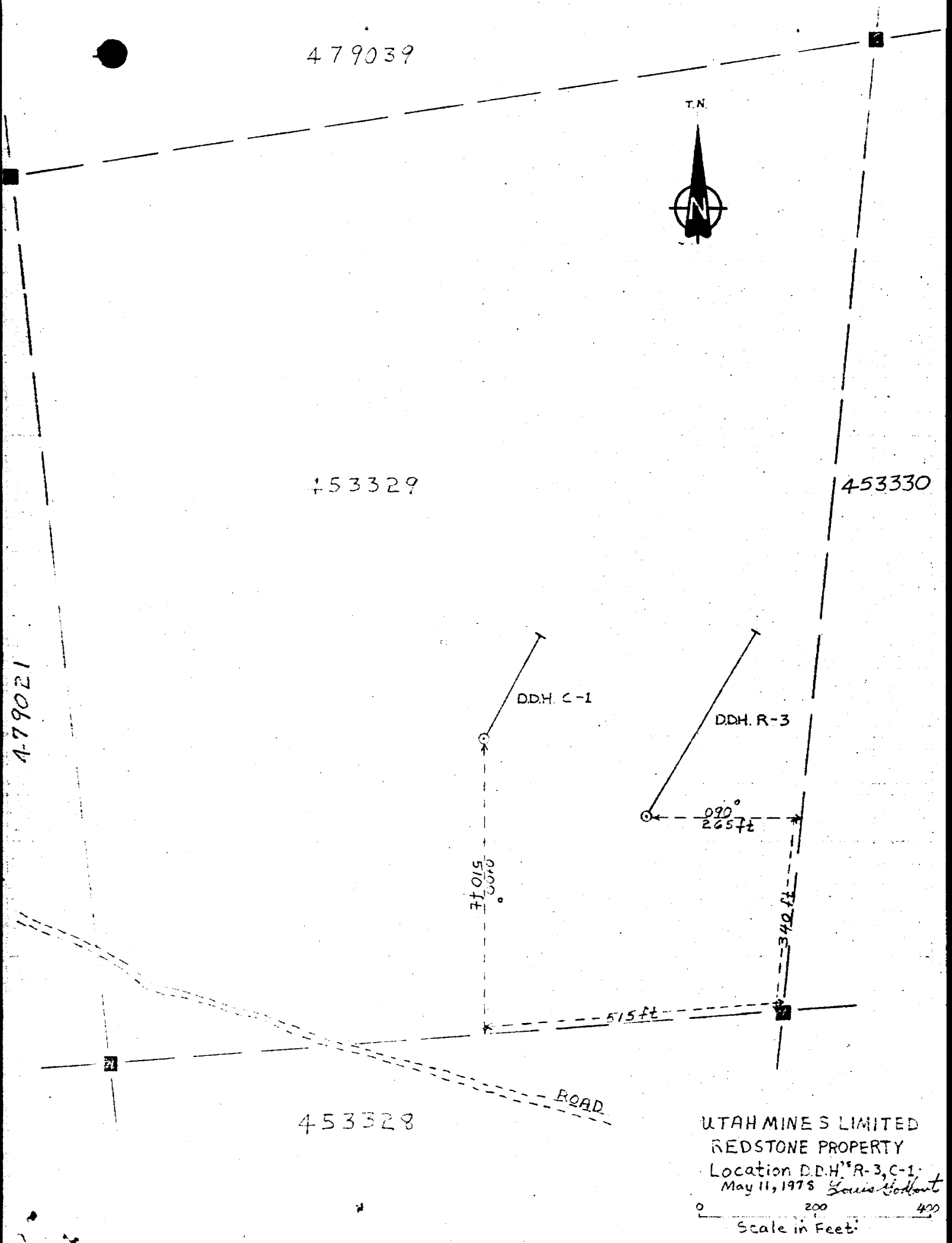
HOLE NO.:

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	CORE INCHES REC.	CORE % REC.	CORE ASSAY					DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	SLUDGE LBS. REC.	SLUDGE % REC.	SLUDGE ASSAY				
240																			
250																			
260																			
270																			
280																			
290																			


479039
T.N.
N
453329
453330
479021
D.D.H. C-1
D.D.H. R-3
090°
265 ft
710 ft
090°
340 ft
515 ft
ROAD
453328
UTAH MINES LIMITED
REDSTONE PROPERTY
Location D.D.H's R-3, C-1
May 11, 1978
0
200
400
Scale in Feet

HOLE NO. B-1
CASING COLLAR ELEV.:
GROUND ELEV.: 948
COORDINATES: 11,950 N. 12,630 E.
INCLINATION: -45° @ 0' BEARING: N30° E

PROJECT: Redstone
DATE STARTED: April 20/78
DATE FINISHED: April 22/78
TOTAL DEPTH: 260' @ 48°

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

COMMENTS: Intersection of ½ m bedrock is likely near or at a major fault due to the extensive lengths of broken core.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Serpentine	Chlorite	Calcite	Talc	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0								0 – 193' Overburden - sand, silt, boulders			0%	BQ			
190										190					
	STRONG			moderate		hem py		193 - Ultramafic (meta Peridotite) - lt grey grn weathered surface - core is extremely weathered & broken to rubble. - recoverable sections <4cm - fresh surface dk grn-blk - strongly chloritized moderately Talcose - weathered predominantly to clay minerals. - cross cutting hairline vnlts of Hematite throughout. + min py.	tr to 0.1		10%		195		
200							pn hem			200			200	80%	
									0.1		90%			90%	
210						hem py		200-220.		210			210		
	STRONG			moderate				@ 203 - visible magnesite vn - moderate Ni test reaction - min py + hem in vnlts <0.1 mm thick. - ✓min microscopic pn.			75%			70%	
220						py hem	pn			220			220		
								- core is extremely weathered & fractured to clay minerals - mod Talcose - pyrite along schistosity planes						60%	
						py hem pn		220-240.							
230								- ~~[illegible]~~ magnesite @ 223' large 1-3mm blebs moderate Ni rxn.		230			230		
														90%	
240										240			240		

HOLE NO. B-1
CASING COLLAR ELEV.:
GROUND ELEV.: 948'
COORDINATES: 11,950 N. 12,630 E.
INCLINATION: -45° @ 0' BEARING: N30°E

PROJECT: Redstone
DATE STARTED: April 20/78
DATE FINISHED: April 22/78
TOTAL DEPTH: 260'

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

COMMENTS: Hole was stopped as there was no obvious conductor in projected position from geophysics & base of u.m could not be intersected in a short hole.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
250	STRONG	NODERATE			193-260 Ultramafic Metaperidotite - vfg. v intensely sheared u.mafic - dk grn fresh surf. - minor magnesite in vnlts & frags. - strongly chltz, mod. Talcose - core is mostly sheared up nondescript "gunge".	Trace	250	90%	BQ	250	70	
260					End of hole @ 260'		260	70		260	70	

PAGE NO.: 1 of 2
CASING COLLAR ELEV.:
GROUND ELEV.: 948
COORDINATES: 11,950 N. 12,630 E.
INCLINATION: -45° @ 0' BEARING: N30°E
-48° @ 260'

PROJECT: Redstone
DATE STARTED: Apr 20/78
DATE FINISHED: Apr 22/78
TOTAL DEPTH: 260'

HOLE NO.: E-1
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: [illegible]

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				
OVER	BURDEN																		
195	200	2778	60"		0.13	0.01	0.002	0.005											
200	210	2779	120"		0.14	0.01	0.002	0.002											
210	220	2780	120"		0.14	0.01	0.002	0.002											
220	230	2781	120"		0.14	0.005	0.002	0.04											
230	240	2782	120"		0.15	0.005	0.002	0.002											

PAGE NO.: 2 OF 2

CASING COLLAR ELEV.:

GROUND ELEV.: 948

COORDINATES: 11,950 N. 12,650 E.

INCLINATION: -40° @ 0' BEARING: N30°E

-48° @ 260'

PROJECT: Redstone

DATE STARTED: April 20/78

DATE FINISHED: April 22/78

TOTAL DEPTH: 260'

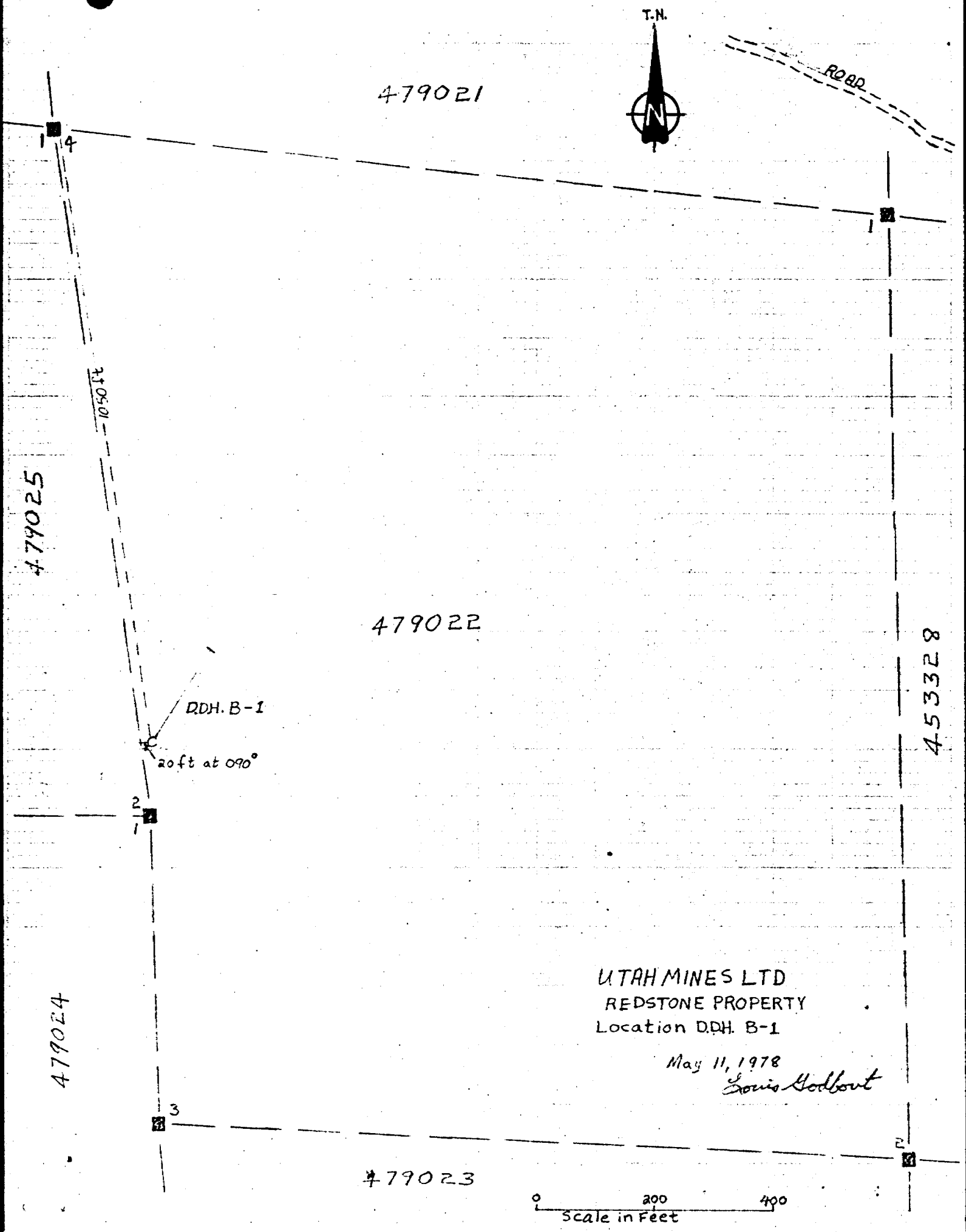
HOLE NO.: B-1

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				
240	250	2783	120"		0.14	0.005	0.002	0.04											
250	260	2784	120"		0.16	0.005	0.002	0.002											


T.N.
N
ROAD
479021
479022
479023
479024
479025
453328
1
2
3
4
1050 ft
DDH. B-1
20 ft at 090°
UTAH MINES LTD
REDSTONE PROPERTY
Location DDH. B-1
May 11, 1978
Louis Godbout
0
200
400
Scale in Feet

HOLE NO. F-1
CASING COLLAR ELEV.: 442 GROUND ELEV.: 440'
COORDINATES: 4430 N. 16465 E.
INCLINATION: 90 BEARING: 1[illegible]
PROJECT: Redstone
DATE STARTED: April 28/78
DATE FINISHED: April 29/78
TOTAL DEPTH: 195'
PAGE NO: 1 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: Bruce [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.	ESTI-MATED
0													
10													
20													
30					0-60.0 Overburden								
40													
50													
60													

LOG - DOWN

HOLE NO. F-1
CASING COLLAR ELEV.: 14.
GROUND ELEV.: 940'
COORDINATES: 44 N. 13450 E.
INCLINATION:
BEARING: 22.5°E

PROJECT: Redstone
DATE STARTED: April 28/78
DATE FINISHED: April 29/78
TOTAL DEPTH: 195'

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

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					60.0-61.7 Dacite - aphanitic, massive.								
					61.7-64.2 Massive. Dk brown to black hornfels		trace						
					64.2-87.1 Dacite tuffs (and or volcanics)								
70					aphanitic								
					massive				100				
					slightly carbonated along hairline fractures								
					minor bleaching to a buff color along some fractures								
80								80					
							trace						
					87.1-110.0 Andesite Tuff.								
					mod-highly chloritic								
90					massive - occasional fragments.		trace		100				
					94-110 fragments more abundant.								
					generally fragments less chloritic than groundmass.								
100					banding (bedding planes) appear to be at approx 70° to A.			100					
					fragments rarely up to .8" in diam.		trace						
110					110.0-127.8 Cherty magnetite (po) Iron formation		trace		100				
					110.0-116.5 20% mag								
					116.5-127.8 60% magnetite		2%						
					with minor po.								
					finely laminated chert and magnetite								
120													

HOLE NO. F-1
CASING COLLAR ELEV.: 940
GROUND ELEV.: 940'
COORDINATES: [illegible] N. 16,46,5 E.
INCLINATION: [illegible]
BEARING: N30°E

PROJECT: Redstone
DATE STARTED: April 28/78
DATE FINISHED: April 29/78
TOTAL DEPTH: 195'

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

SECTION	ALTERATION: Hydrothermal	ALTERATION: Chlorite	ALTERATION: Carbonate	ALTERATION: [illegible]	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								po bands are narrow and lens like. Lowest is at 70-80° to CA.		2 to 5%						
130	x	H I G H	M O D					127.8-140.4 Highly Chloritic Dacite Tuff with up to 15% po - unit is definitely fragmental - po and calcite are interstitial fragments appear very coarse in places. - no + Na test.		10%		100				
140								140.4-156.2 Very well developed Dacite to Rhyodacite coarse fragmental (tuff.) very minor py on hairline fractures. " " Calcite on " " matrix material appears more felsic (cherty) than frags.		trace	140	100				
150								156.2-163.1 Slightly chloritic dacite tuff fine grained moderate pervasively carbonated		trace	160					
160								163.1-195.0 Very well developed Dacite to Rhyodacite med-coarse grained fragmental as above matrix is beige and very siliceous only carbonate is along fractures trace of vfg py or po visible occasionally		trace		100				
170																
180																

HOLE NO. F-1
CASING COLLAR ELEV.: [illegible]
GROUND ELEV.: 140'
COORDINATES: [illegible] N. [illegible] E.
INCLINATION: [illegible]
BEARING: [illegible]

PROJECT: Redstone
DATE STARTED: April 28/78
DATE FINISHED: April 29/78
TOTAL DEPTH: 195'

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

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
180					Dacite (Rhyodacite) tuff (cont'd)		t						
							r						
							a		100				
190							c						
							e						
								195					
200													

PAGE NO.: 1 OF 2

CASING COLLAR ELEV.: [illegible]

GROUND ELEV.: 940'

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

INCLINATION:

BEARING: [illegible]

PROJECT: Redstone

DATE STARTED: April 28/78

DATE FINISHED: April 29/78

TOTAL DEPTH: 195'

HOLE NO.: F-1

REF. TO CLAIM CORNER:

SCALE: [illegible]

LOGGED BY: [illegible]

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

PAGE NO.: OF

CASING COLLAR ELEV.: 940 GROUND ELEV.: 940'

COORDINATES: N. E.

INCLINATION: BEARING: F

PROJECT: Redstone

DATE STARTED: April 28/78

DATE FINISHED: April 28/78

TOTAL DEPTH: 195'

HOLE NO.: F-1

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY:

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY % Ni	% Cu	oz/T Au	oz/T Ag	%	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
110	120	2785	12	100	0.01	0.005	0.002	0.002											

PAGE NO.: 3 OF 4

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

COORDINATES: [illegible] N. 12465 E.

INCLINATION: BEARING: 150°E

PROJECT: Keystone

DATE STARTED: April 28/78

DATE FINISHED: April 29/78

TOTAL DEPTH: 128'

HOLE NO.: F-1

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Brian [illegible]

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY % Ni	% Cu	oz/t Au	oz/t Ag	% Zn
120	128	2786	96	100	0.01	0.005	0.002	0.002	
128	138	2787	120	100	0.01	0.005	0.002	0.01	

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

PAGE NO.: OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Redstone

DATE STARTED: April 25/78

DATE FINISHED: April 29/78

TOTAL DEPTH: 195'

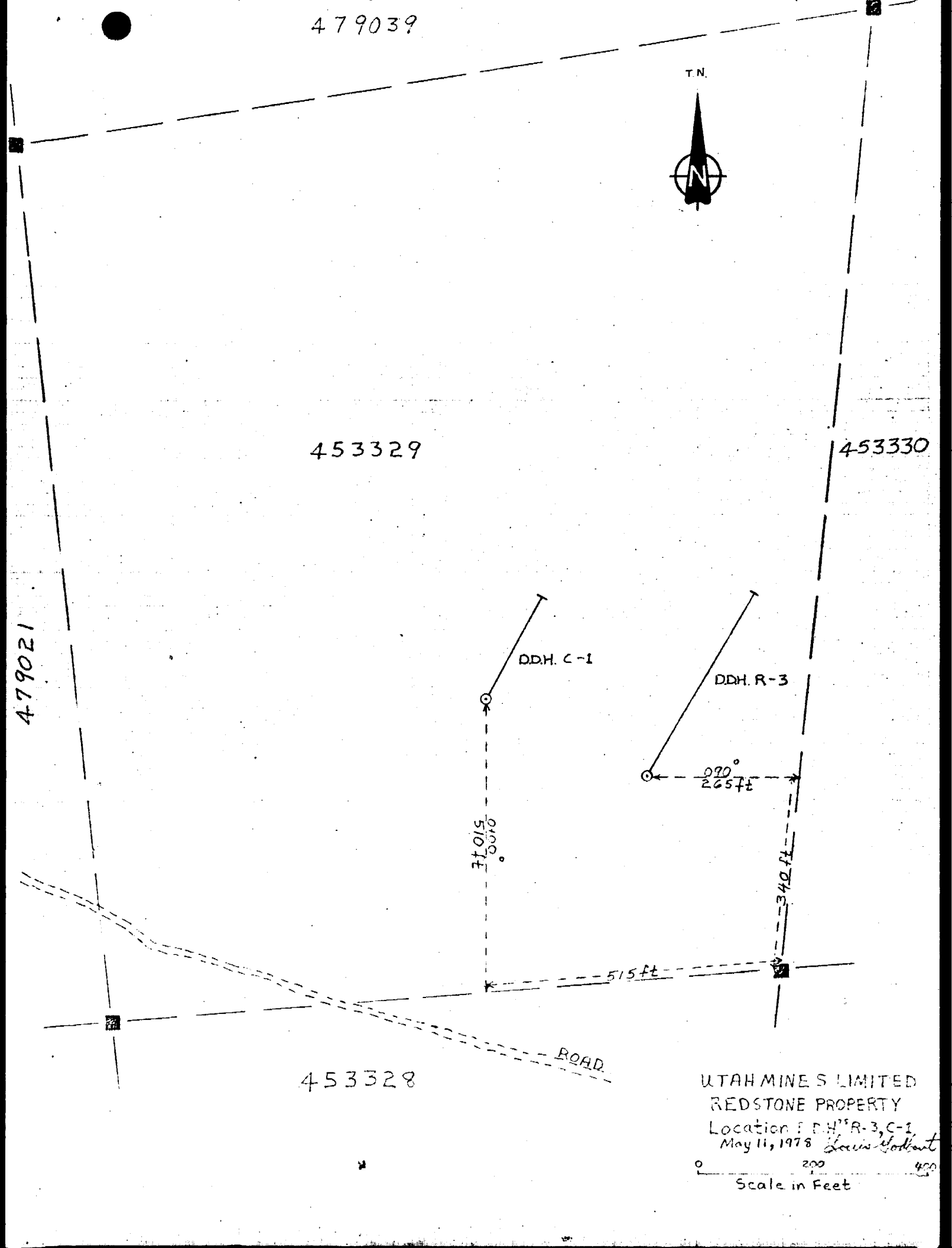
HOLE NO.: F-1

REF. TO CLAIM CORNER:

SCALE: 1" = 1'

LOGGED BY:

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


479039
T.N.
N
453329
453330
479021
D.D.H. C-1
D.D.H. R-3
090°
265 ft
710 ft
000°
340 ft
515 ft
ROAD
453328
UTAH MINES LIMITED
REDSTONE PROPERTY
Location of D.H.'s R-3, C-1
May 11, 1978
0
200
400
Scale in Feet

HOLE NO. R-3

CASING COLLAR ELEV.: GROUND ELEV.: 948'

COORDINATES L20W 13275.0 N N. 1800N 14815.0 E E.

INCLINATION -45° BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: June 7/77

DATE FINISHED: June 13/77

TOTAL DEPTH: 529.7'

PAGE NO: 1 OF 9

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: M. Wilson

#11

COMMENTS: Shear or Fault Zone: 39-43.6
Shear with slipfibre: 35-39
Shear: 45.0'-47
Geology: Altered Strongly magnetic rock from 47- ; Possibly Altered EF (oxide) or Fault Zone

AVE CORE REC'Y / HOLE

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT	ESTIMATED
0												
5												
10												
15					14- Feldspathic Gabbro Dyke: lt-dk gry depending on compositional variation (gravity settled) - magnetic (strong) - plagioclase - pyroxene (augite) - apatite - magnetite becoming increasingly pyroxene & olivine rich with depth							
20					friable 14-21.9 - Coarse grained plag-rich phase; 21.9-22.5: Pebbles of granite, pegmatite and dyke: Possible boulder from 14-21		20					
25					22.5- becoming finer grained, pyroxene rich, turning dk gry gradually - increase in magnetism markedly apparent; v. strong - finely disseminated py, minor pyrrhotite if any sulphides present: to f.g.-to identify			60%				
30					- friable broken core							
35					32.4-38 Chill margin of diaz dyke; strongly magnetic, minor plag; 38-39: Badly broken core: seperating shear zone with minor slip fibre							
40					39-43.6 Shear or Fault Zone: black & white scale salt-pepper texture • strongly magnetic, 90% magnetic with qtz granules and granule-stringers • occasional serpentine veins		40					
45	Mostly blue, some cal. Grey-Green				43.6-45.7 Altered Rock: - Spinifex textured with feldspar in between closely packed ¼" needles; Shear Zone							
50					47-60.5 Altered Rock: Ultra Mafic Flow (pyroxenes calcite plag) - as above but strongly magnetic, more granular than needle form - needles ¼-1" long - calcite-serpentine coating fracture surfaces occasionally			56%				
55												
60							60					

HOLE NO. DDH-3
CASING COLLAR ELEV.:
COORDINATES L20W
INCLINATION -45°

GROUND ELEV.:
N. 1300 N E.
BEARING N30°E

PROJECT: REDSTONE
DATE STARTED: June 7/88
DATE FINISHED: June 13/88
TOTAL DEPTH: @41°

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

COMMENTS: Spinifex TEXTURE: randomly orientated but pyroxenite at 60-64 indicates top right side up.
Ultramafic has large macroscopic zones of textureless crystallinity.
Syenite appears to grade into Tremolite

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Kaolinite	ALTERATION: Chlorite	ALTERATION: Quartz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED
60							60.5-64.4 Pyroxenite: f.g. massive, very dark black - weak to moderately weak magnetism; scratched surface reveals clinopyroxene (?) needles ½ to 2" very lightly matted together with v. minor plagioclase (?)							
65							64.4 Ultra Mafic Flow Sequence: f.g. dark black and massive; magnetic - mineralogy of pyroxene - calcic plag and magnetite & irregular & random growth of spinifex does not indicate top direction		90%					
70							- no trace (visible) of sulphide mineralization; v. rare serpentine veins - deformation folding of calcite and epidote ± zeolite veins indicates post-depositional metamorphism							
75							69-81 - essentially textureless and very minor alteration no evidence of sulphides							
80														
85									90%					
90							Chloritic-calcareous S-folding on 1" to ½" scale; Minor pyrite in 6" massive band with tremolite - Cummingtonite bladed needles; Chloritized banding with quartz interstitial; HORNFELSED CONTACT ZONE: 93-94.7							
100							94.7-135.1 Syenite: f.g. m.g. feldspar - plagioclase - biotite (± chlorite) ± magnetite - v. weakly magnetic - hairline calcite veins and epid - zeolite - calcite veins (½-½") along fractures and hydrothermally altering (bleached white) rock for 1" surrounding							
105							Shear 103-105 Indicate change in grain size after small shear, to fine grain with occasional zones of saussuritized plagioclase - hairline calcite veins less frequent		90%					
110							110-113.2: crystallinity gradually increases to m.-c.g. porphyritic syenite until 2" calcite-zeolite-epidote vein when dyke grades into equigranular (lt. grey plagioclase - feldspar ± minor biotite specks - minor to trace quartz							
115														
120														

HOLE NO. ODH-3

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: L 20W N. 1800N E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: RADSTONE

DATE STARTED: June 7/87

DATE FINISHED: June 13/87

TOTAL DEPTH: @ 41°

PAGE NO: 3 OF

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: M. Wilson

COMMENTS: Syenite may be last phase of trondhjemite, make local monzonite
Bleed red granular alteration in Ultramafic Flow top: iddingsite ?
Serpentine° pisolite veins and occasional mesh (slip fibre)

SECTION	ALTERATION: SERPENTINE	ALTERATION: Epid + Red. Silic. Chlorite	ALTERATION: CALCITE	ALTERATION: QUARTZ	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120								120-138.1			120					
								TRONDHJEMITE or Syenite								
								- m.g. lt. gry-white, fresh, massive intrusive of plagioclase - feldspar: minor bio specks								
126								- barren, weakly fractured								
								- non-magnetic and commonly veined with epidote-gedrite-calcite veins (¼") ; very occasional calcite as hairline veins		1 i l		90%				
130																
								138: 6" of broken core : Strong gedrite (epidote) alteration with acicular radiating amphiboles								
135								138.1-137								
								Altered Ultramafic : f.g. massive, v.dk. black, moderately magnetic								
								137-144.9								
140								Ultramafic Flow: magnetic (moderately) : f.g. black at bottom contact due to alteration (thermal)			140					
								- altered zone above grades into spinifex texture with iddingsite alteration of olivine grains occasional								
								- iddingsite also in veins with magnetite (?)								
145								144.9-149.9								
								MELANGE OF SYENITE AND ultramafic		1 i l		80%	BQ			
								- f.g. lt gry-pink, sl. magnetic								
150								149.9-152 Altered Serpentinized Ultramafic								
								152-160.6								
								Syenite: massive, m-c.g. orange pink								
155								- gradual contact at base top for 7"								
								- progressively more orange at base (hematite-feldspar)								
								- weakly magnetic								
160								160.6-175.0			160					
								Fault Zone:								
165								- very strongly magnetic especially at base; hematite at top (possibly iddingsite)								
								- consists of deformed and mylonitized garnets, twisted and contorted magnetite bands and epidote-gedrite veins set in groundmass of granular to flaky actinolite-feldspar		t r a c e		85%				
170								- trace sulphides of pyrite								
								173.3-174.1 - consists of distorted bands of chlorite & magnetite with mylonitized garnets in chlorite								
								174.5-175.0 - zones ultramafic composition, very weak magnetism								
175								175-183.0								
								Altered Tuffaceous Metasediments? (thermally altered beyond easy recognition)								
								porcelanitic along fractures from epidote-gedrite(?) veins (¼") ; also chlorite-garnet veins								
								- fragmental - fault breccia for 4 inches at top								

HOLE NO. DDH-3
CASING COLLAR ELEV.: GROUND ELEV.:
COORDINATES: L20W N. 1800 N E.
INCLINATION: -45° BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: June 7/88
DATE FINISHED: June 12/88
TOTAL DEPTH: @ 41'

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

COMMENTS: Garnets often occur in granite and epidote-zeolite veining systems. Tuffaceous sequence similar to 175-193, is of volcanic origin but depositional characteristics do not suggest pyroclastic but sedimentary processes. Layering is rare however and therefore suggests ash flow or ash fall.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION (Epid + Zeol + Chl; Calcite; Quartz)	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
180							180					
185					183-190.6 Quartz Monzonite Dyke - f.g. plagioclase + hornblende (+bio+chl.) + quartz (minor) - no sulphides and non-magnetic; garnets within epidote-zeolite-calcite veins - poor lineation, schistosity not noticeable - gradual contact over 4 cm, chill margin poorly developed	trace	90	95%				
190					190.6-25%.4 Altered Tuffaceous Sequence: Siliceous possibly Dacite-Rhyodacite f.g.-v.f.g. - qtz crystals (1-2mm) in f.g. grey (ash or f.g. sedimentary) matrix - thermally altered (solidified and bleached grn-white-(lt.brown) near vein systems - matrix of biotite (+chl(weak)) + feldspar (lt.brown) - compositional changes? abundant recrystallized quartz; becoming more recognizable at 202 where abruptly decreases							
195							200					
200					202: Sulphides - begin to appear shortly after alteration of epidote-zeolite (hydrothermal) ceases - disseminated py, po as grains, occ. crystals, paralleling schistosity; f.g.-v.f.g. Alteration - seems to be restricted occasionally to certain bands? intense and pervasive near veins Rock often textureless and massive due to alteration occasionally but predominantly due to homogeneous composition - veins do not appear to have been reactivated	minor		90				
205												
210												
215					215-216: FRAGMENTAL TEXTURE with pyrite disseminated (minor) in matrix and fragments - may possibly be flow breccia but as textures suggest such.							
220					Colour - varies with alteration and composition from orange brown in intensely altered zones to lt. green with weaker veining - compositional from lt. grey massive f.g. tuff to dark grey/black in fragmental and tuffaceous(?) zones		220					
225						minor		90				
230					233 - FRAGMENTAL TEXTURE							
235					237 - FRAGMENTAL TEXTURE							
240							240					

HOLE NO. DDH-3
CASING COLLAR ELEV.:
COORDINATES: L20W
INCLINATION: -45°

GROUND ELEV.:
N. 1800N E.
BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: June 7/82
DATE FINISHED: June 13/82
TOTAL DEPTH: c 411'

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

COMMENTS: Possible Fault: 252.4-253
Section composed of thick sequences of massive textureless ash tuffs possibly a lava but no texture to distinguish.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CHLORITE	ALTERATION: FELD + QTZ + CHLORITE	ALTERATION: CALCITE	ALTERATION: QUARTZ	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
240								· continued alteration destroying original texture and unaltered zones consist of f.g. black massive rock of biotite (hornblende) - feldspar - quartz		200					
245								: Broken drillcore	Minor to trace		90%				
250								249.4: Intensely altered tuffaceous material grading into chlorite-qtz-plagioclase rainer magnetite massive rock for 12".							
								252.4-253. Chloritized Mafic-Ultramafic; further altered by epidote-zeolite - pyrite diss. as grains in minor amount							
255								253-273.6 Altered Tuffaceous Sequence(?) of Ash							
260								100% % alteration mixture of epidote-zeolite and silicification, plus calcite-qtz mixtures along fractures		240					
								- homogeneous composition of qtz-plagioclase (albite?): plagioclase dominant as crystal (ash) fragments set in extremely fine grained groundmass of plagioclase + qtz.							
265								- plag → minor sericite, epidote, chlorite							
								- intensely fractured and infilled with calcite	Nil		90				
270								- calcite restricted to veins, no pervasiveness							
								- trace py, po							
275															
280								273.6-305 Tuffaceous Ash-Sequence: Occasional Mafic Fragments		260					
								- massive f.g.-v.f.g. texture of plag (albite, sericite, epidote) + quartz (minor)							
								- occasional actinolite with mafic frags largely altered to epidote-chlorite							
285								- trace sulphides of pyrite, pyrrhotite as disseminated v.f.g.	Nil		85				
								- calcite hairline fractures common but contain no pyrite							
290								293- grades into crystal tuff of f.g.-m.g. texture							
								- 30-40% crystals (rounded) of albite; very minor secondary alteration set in groundmass albite qtz-chlorite and epidote							
295															
300															

HOLE NO. DDH-3
CASING COLLAR ELEV.:
COORDINATES: L 20 W
INCLINATION -45°

GROUND ELEV.:
N. 1400 N
E.
BEARING: N30°E

PROJECT: REDSTONE
DATE STARTED: June 7/97
DATE FINISHED: June 13/97
TOTAL DEPTH: @ 411'

PAGE NO: 6 OF
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: M. Wilson

COMMENTS: Classic Ash-Tuff-Fragmental sequence beginning at 339, which is right side up and coarsening downhole?

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CHLORITE	ALTERATION: Epidote and epidote + chlorite	ALTERATION: CALCITE	ALTERATION: QUARTZ	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
300								continuation of Tuffaceous-Ash Sequence with Epidote-Chlorite Alteration of Fragments?		300					
305								305-332.4 Pyroclastic FRAGMENTAL + Ash: Intermediate-Felsic, med. groundmass - no apparent flow textures and barren, essentially, of sulphides - no evidence of silicification. FRAGMENTS: vary in size from ½" to 2"; closely packed - larger frags altered to chlorite-epidote whereas smaller consist of varying percentages of sodic plagioclase and minor quartz. MATRIX: groundmass of plagioclase and minor quartz, essentially aphanitic with minor secondary sericite ± epidote	trace		80%				
310															
315															
320										320					
325								325-330: Fractured (strongly) massive dacite-rhyodacite and infilled with quartz and occasionally epidote-zeolite.	trace		85%				
330								330-337.4 gradually changes from massive to tuffaceous-fragmental pyroclastic - fragments separated by quartz-plagioclase tuffaceous matrix which slowly decreases in volume until rock consists of 5% matrix and 95% fragments - fragments predominantly of intermediate-felsic composition and alteration is minor and secondary nature							
335															
340								337.4-339.6 Intrusive? 339.6-371.1 Classic Pyroclastic Fragmental-Tuff-Ash: essentially barren and nonmagnetic - thinly bedded and massive intermediate to felsic ash beds grading into lithic tuff then into a Fragmental with fragments (homogeneous) up to 4 inches. Ash: bedding parallelling schistosity and composed of plagioclase-qtz ± epidote ± chlorite with minor biotite. TUFF: plagioclase-qtz lithic fragments (5-10 mm) set in epidote-chlorite groundmass matrix. FRAGMENTAL: coarse angular fragments of plagioclase-qtz with minor secondary alteration set in siliceous tuffaceous matrix. Alteration: minor and of secondary alteration predominantly occasional epidote-chlorite and calcite on fractures		340					
345									trace		95%				
350															
355															
360										360					

HOLE NO. DDH-3
CASING COLLAR ELEV.:
COORDINATES: L200
INCLINATION: -45°
GROUND ELEV.:
N. 180 E.
BEARING N30°E

PROJECT: REDSTONE
DATE STARTED: June 7/97
DATE FINISHED: June 12/97
TOTAL DEPTH: 441°

PAGE NO: 7 OF
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: M. Wilson

COMMENTS: Mineralization: 394.7-404.8 : appears to result from lower intrusive alteration

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Chlorite	ALTERATION: Epid. Sericite Silica	ALTERATION: Carbonate	ALTERATION: Hematite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
360								360-371.1 Coarse (1/8") fragments of int-felsic composition set within tuffaceous (lithic) groundmass of similar composition Mineralization: minor pyrite within fragments as disseminated grains these mineralized fragments are rare and sl. chloritic							
365															
370															
375								371.1-379 Quartz-Feldspar-Biotite Dyke - biotite as sl. larger (1mm) phenocrysts in fine groundmass - secondary alt'n of epidote-chlorite moderately pervasive - sl. chill margin at upper and lower contacts while conds fol'n changes 80 to 70-65° to c.a. trace pyrite							
380								379-389.8 Felsic-Int. Tuffaceous Sequence with occasional Fragments (2") - massive, f.g. lt. grey with wispy zones of epidote (sericite?) alt'n near lower contact - schistosity not evident but dominantly fragmental at 380-381 indicates 90° to c.a. 385: 1" band of dk green chloritic material, sl. magnetic							
385															
390								389.8-394.8 Quartz-Feldspar-Biotite (Hornblende) Dyke: - f.g. massive, little chill margin effects - interior chill alt'n near - extreme quartz veins of pinkish pervasive quartz - bottom contact chloritic talcose 2" (soapstone-like)							
395								394.8-404.8 Siliceous Tuffaceous Fragmental - dkgrey, f.g. massive with lesser fragments (sl. chloritic) minor disseminated pyrrhotite-chalcopyrite grains and irregular masses & lenses of intimate mixture	1%						
400															
405								404.8-407 Alteration Zone: bleached buff pink possibly crystallization of intrusive dyke brecciated hornblende clasts							
410								407-414 Altered Tuffaceous Unit - increasing calcite-pyrite-epidote veining alteration down hole with chloritic fractures restricted to upper contact zone							
415								414-434.3 Highly Altered Mafic-Ultramafic: f.g. dkgreygreen, weakly magnetic - upper section predominantly silicified white talcose with f.g. white alt'n and sl. veins from 423-430							
420								418-422.8 : Intrusive Hornblende Quartz Dyke							

HOLE NO.		PROJECT:	PAGE NO: OF
CASING COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY:

SECTION	ALTERATION: Chlorite	ALTERATION: Epid-Prehnite & Calcite & Quartz	ALTERATION: Calcite	ALTERATION: Quartz	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTI-MATED
420								421-428.5: Silicified assimilation zone of dM and dyke								
					?			Talcose (semi-serpentine) with 10-15% white f.g. alt'n disseminated								
								425-427: Random concentration of hornblende (actinolite?) needles; coarse m.g. crystallinity with pseudomorphs of recognized olivine barely visible.								
430								431-433 Hornblende Diorite dyke								
								434.8-444.7 Int-Felsic Tuffaceous-Ash Volcanic - predominantly Tectonites, f.g. lt grey to dark grey - very little minor alteration, restricted to epidote-calcite gaudy veins (¼-½") - crude Fol'n approx. 80° to c.a.								
440																
450								452-453.4 shear? Chloritic, sl. talcose zone, possibly a shear but no schistosity evident								
460								463-474.7 Increase to moderate veining of epidote-calcite veins and zones								
470								474.7 Altered Ultramafic Flow Sequences: upper zone of fractured alteration grading into massive chloritic band (8") then serpentinized chlorite chill margin. 474.7-475 Coarse granular calcite grades into spinifex texture actin calcareous groundmass								
480																

HOLE NO. [redacted]		PROJECT:	PAGE NO: OF
CASING COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY:

COMMENTS: Strongly magnetic from 486-529.7: This could be a fault zone within Ultramafic. Rubble and thickness questionable but intensive texture no loss.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTI-MATED
480					480-482 very coarse spherules (1-2") set in calcareous groundmass with coarse-medium grained granular olivine. Sediment random							
485					482-494: Chloritic-calcareous unit with semi-banded chloritic lenses							
					494-499: Massive talcose f.g.-m.g. section of flow							
490					499-504: Massive c.g. ultramafic sl. calcareous (granular & pervasive), sl. coarse grained diorite → magnetite							
					Mineralization: u.fg. pyrite? and pyrrhotite disseminated							
495					Note: Unusually thick coarse grained sequence for intrusive ultramafic.							
500					Contact: Marked by chloritic talcose shear							
505					504-529.7 Massive Strongly Magnetic Coarse grained Ultramafic: - steep angle calcite-epidote veins (¼"-½") irregular as well as stringers (distant.) - m-c.g. black (olivine & magnetite?) in calcic plagioclase groundmass (f.g.-m.g.)							
510					Note: Olivine totally degenerated into secondary products of magnetite predominantly suggests olivine rich intrusive to olivine intrusive.							
515												
520					Logged by Michael H. Wilson completed July 4/77.							
529.7					Dip = -47°							

PAGE NO.: 1 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: L 20W N 1800N E.

INCLINATION: -45°

BEARING: N30°E

PROJECT: REDSTONE

DATE STARTED: June 7/77

DATE FINISHED: June 13/77

TOTAL DEPTH:

HOLE NO.: R-3

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: M. Wilson

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

0

PAGE NO.: 2 OF 4

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: P-3

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

60

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

PAGE NO.: 3 OF 9

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: R-3

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

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

120

PAGE NO.: 4 OF 9

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: R-3

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

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

150

PAGE NO.: 5 OF 9

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: R-3

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
240																			

PAGE NO.: 6 OF 9

PROJECT:

HOLE NO.: R-3

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

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

300

PAGE NO.: 7 OF 9

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION BEARING.

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: R-3

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

360

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

PAGE NO.: 8 OF 9

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: R-3

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
420																			

PAGE NO.: 4 OF 7

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES N E.

INCLINATION BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

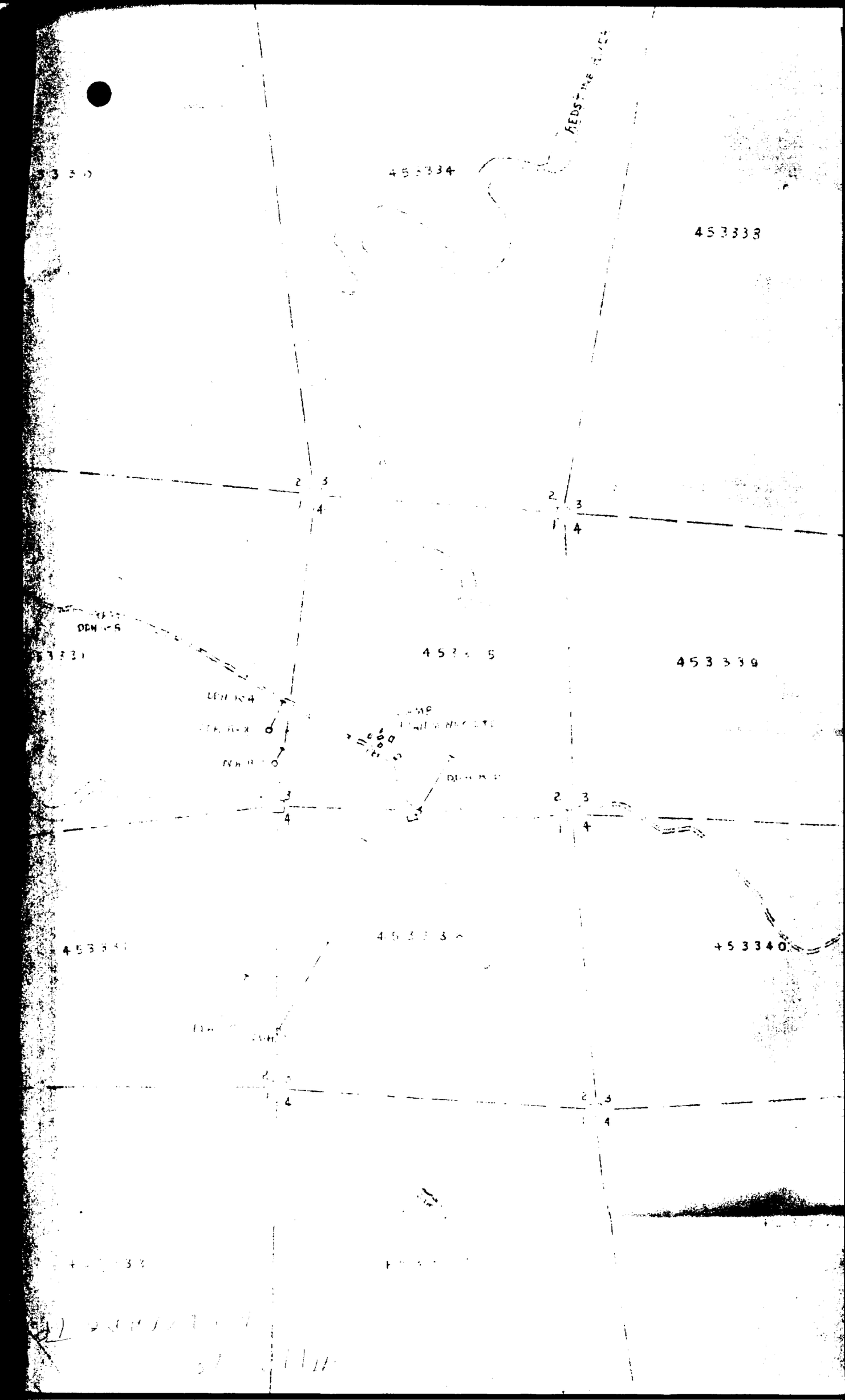
HOLE NO.: R-3

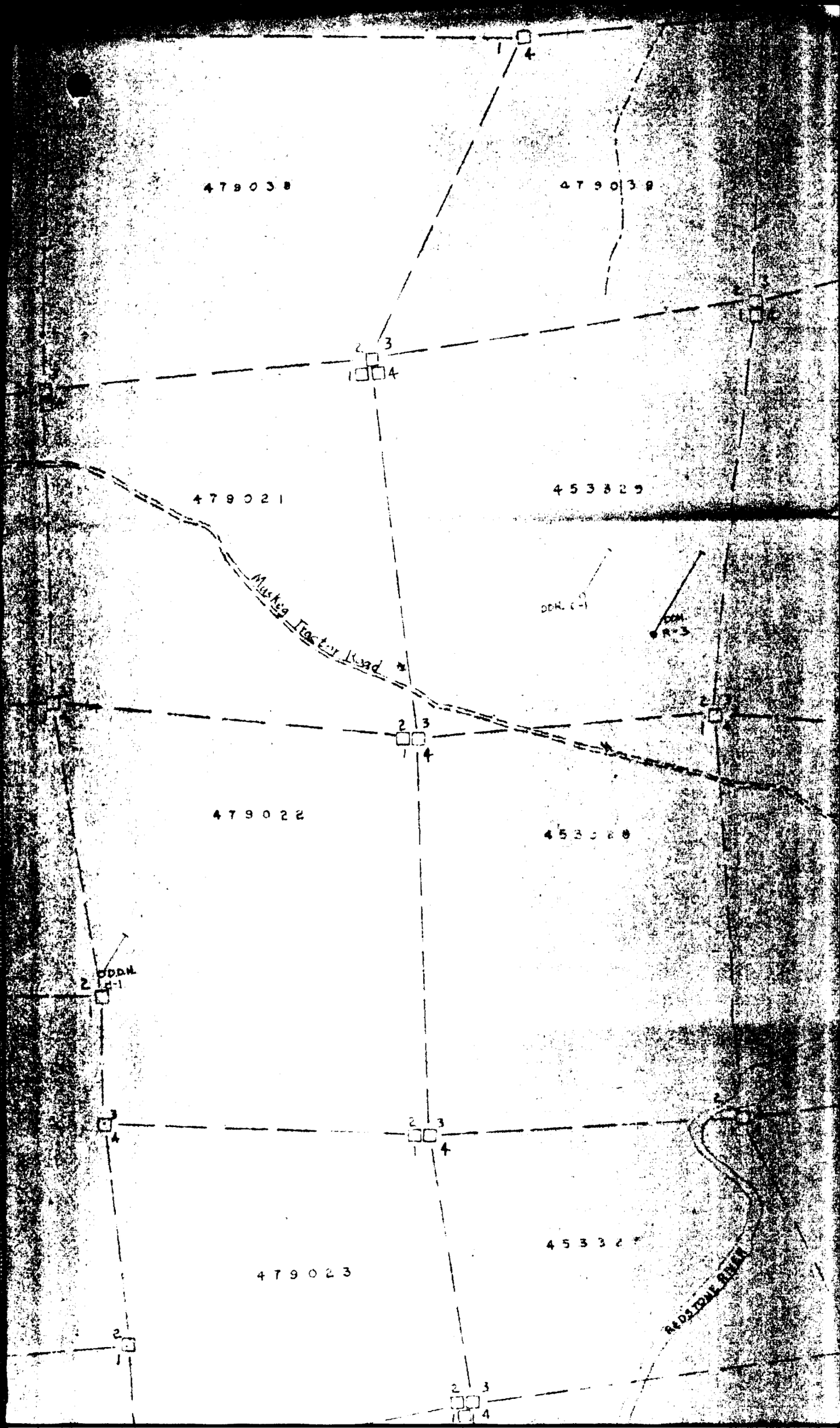
REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	ASSAY					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Pt	Pd	Cu	Ni	Mg	FROM	TO								
480																			
520										Ti %	Cr %	Fe %							
520	525	00584			<.001	<.001	tr	0.13	16.5	0.078	6.40	5.04			B				
525	529.5	00585			<0.001	<.001	tr	0.16	16.6	0.078	3.60	5.24			BC				
530																			
540																			


453334
453333
453339
453340


479038
479038
479021
453829
Muskeg Tractor Road
DDH. C-1
DDH. R-3
479022
453028
DDH. H-1
479023
453324
Redstone River

UTAH MINES LIMITED
EXPLORATION DEPT
TORONTO

REDSTONE PROJECT

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

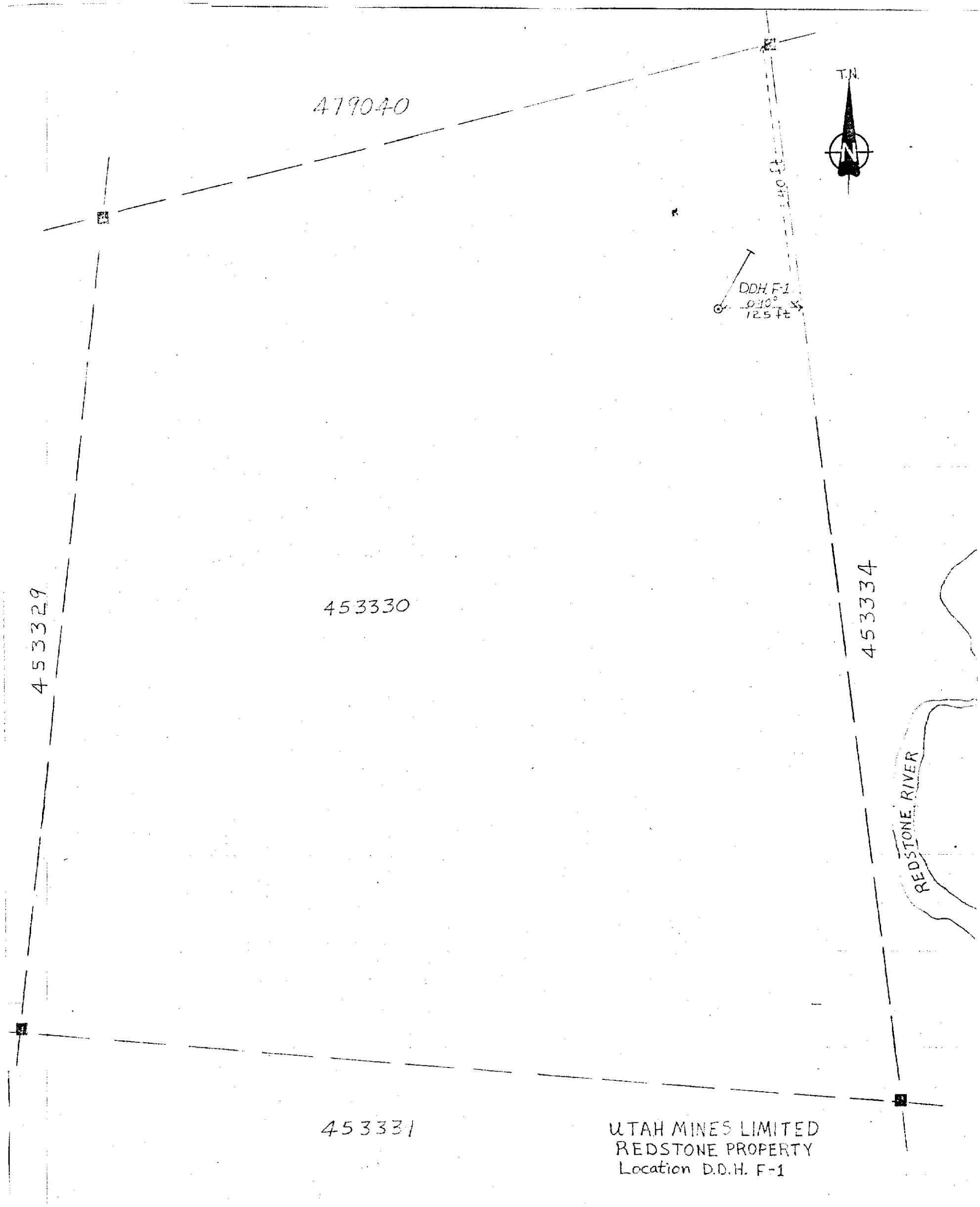
Drawn by [illegible] Sept. 16, 1978

500 0 500 1000
SCALE IN FEET

42A06SE0090 2B ELDORADO

200

118 Pages.



UTAH MINES LIMITED
REDSTONE PROPERTY
Location D.D.H. F-1

May 11, 1978
Louis Godbout

42A06SE0096 20 ELDORADO