DIAMOND DRILLING

TOWNSHIP: Reid

REPORT NO.: 44

WORK PERFORMED BY: Gulf Minerals Ltd.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
P 506283	R-80-C-2	454.0	June/80	(1)
P 506293	R-80-C-3	455.0	July/80	(1)
P 506292	R-80-C-4	468.0	July/80	(1)
P 506378	R-80-C-5	457.0	July/80	(1)
P 506347	R-80-C-6A	442.0	Aug/80	(1)
P 506319	R-80-C-7	513.0	Oct/80	(1)
P 506403	R-80-D-1	455.0	Aug/80	(1)
P 506414	R-80-D-2	507.0	Aug/80	(1)
P 506446	R-80-D-3	484.0	Aug/80	(1)
P 506438	R-80-D-4	437.0	Sept/80	(1)
P 506408	R-80-D-5	437.0	Sept/80	(1)
P 506446	R-80-D-6	894.0	Sept/80	(1)
P 506412	R-80-D-7	447.0	Sept/80	(1)
P 506404	R-80-D-8	506.0	Sept/80	(1)
P 506448	R-80-D-9	491.0	Sept/80	(1)
P 508787	R-80-D-10	453.0	Oct/80	(1)
P 506456	R-80-D-11	471.0	Oct/80	(1)
P 506453	R-80-D-12	544.0	Oct/80	(1)
P 508802	R-80-D-13	602.0	Nov/80	(1)

NOTE: (1) #71-81

Gulf Minerals Canada Limited

Reid Project
Diamond Drilling
Reid, Loveland, Mahaffy and Thorburn Township Areas, Ontario
- 1981 -

S.D. Robinson
March 1981
Minerals
NTS 42A/11,12,13,14

Gulf

INTRODUCTION

Nineteen (19) diamond drill holes totalling 9,517 feet are being applied for assessment credits on 520 claims in Mahaffy, Reid, Thorburn and Loveland townships as indicated in Table I.

All the core is presently stored on claim P506282 in Reid township.

The diamond drill logs and location maps are presented in Appendix I.

J. D. Robinson
17-3-81

GM 69

Gulf Minerals Canada Limited

PROJECT Reid

HOLE R-80-C-2

LOCATION Grid C, Reid Tp.

CLAIM P. 506283

CORE SIZE AQ

TESTS 210' - 58°

400' - 57°

LATITUDE 19+50N

AZIMUTH [illegible]

STARTED June 26, 1980

DEPARTURE 75'E L 28+00E

DIP -55°

COMPLETED July 7/80

ELEVATION

DEPTH 459'

LOGGED BY [illegible]

Verified by [illegible]

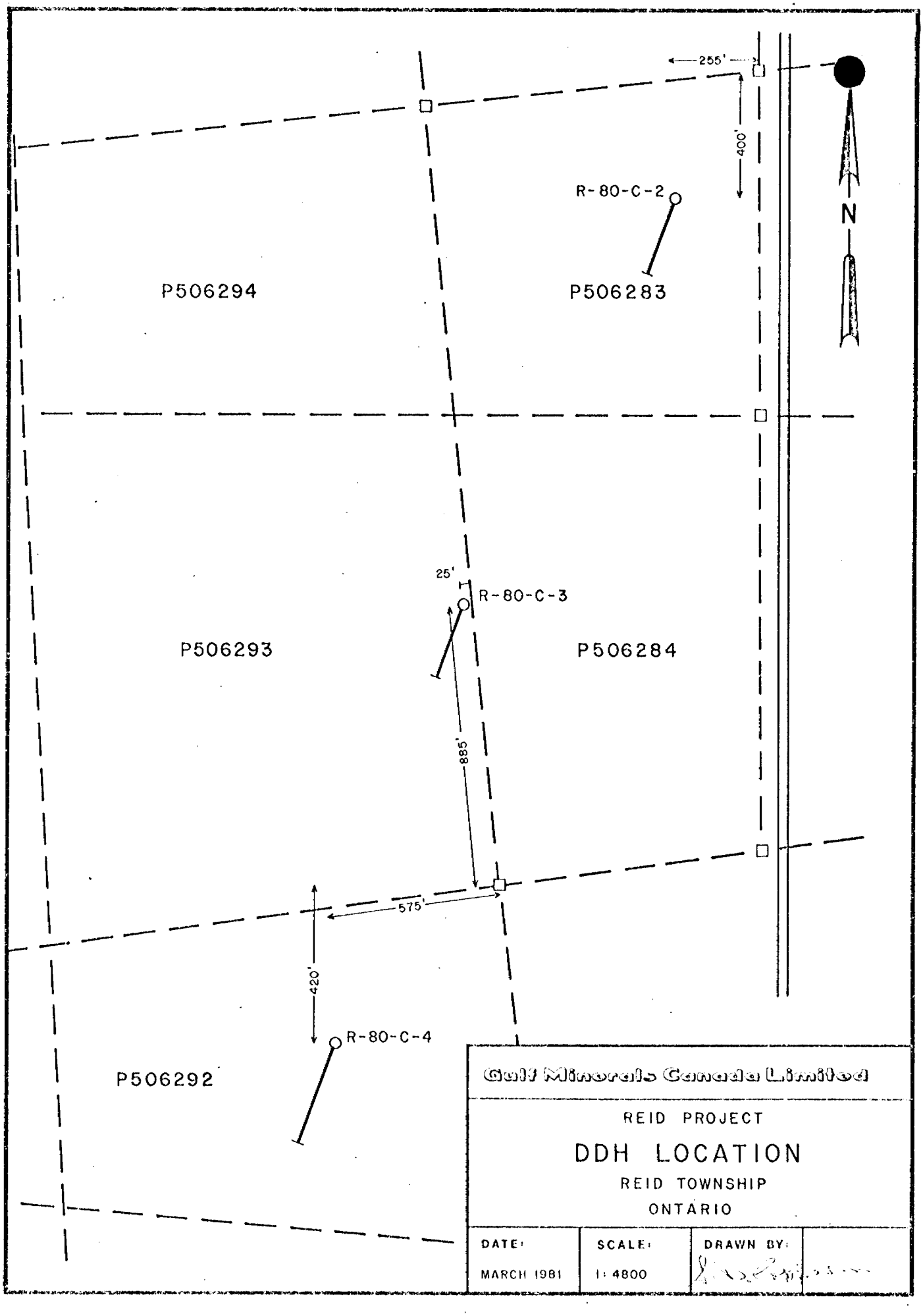
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	201	Overburden Clay with sand and boulder seams. 1 aquifer encountered.				
201	321	Vessicular Basalt gray green, fine grained vessicular mafic volcanic with Chlorite, Epidote and Qtz fracture fillings. 201 - 215' - amygdaloidal infillings of Qtz and Carbonate 202' - 1ft with infillings of 1-2% Po, Tr Cpy and Qtz. Qtz may have granular appearance. 215-227' - fewer infillings of vessicles - very chloritic in last 8' 223-225' - Qtz and Cal filled shear zone, CA ~ 20°				

TOTAL DAYS APPLIED FOR

Mahaffy Twp.	156
Thorburn Twp.	1,572
Reid Twp.	3,755
Loveland Twp.	4,034
	9,517 Days

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
227	313	Basalt - med gray green, fine grained, massive, carbonitised mafic volcanic - Chl, Qtz and Calcite fracture fillings w/ Tr Py, Cpy, and Po. - also <1% finely disseminated Po. - Qtz veinlets have a granular appearance - 233' CA ~ 30°				
313	362	Mafic Volcanic (Basalt) breccia w/ black argillaceous and cherty matrix. - angular, deformed clasts are > 1/10" and possibly in the order of feet. - numerous carbonate fractures, some with chlorite. - 1% combined Py, Po, Cpy - isolated graphitic blebs and veinlets 317' - 4" of black rhyolite 317-319' - 1-2% Po disseminated and in calcite fractures. 319-324' - fragments appear more felsic, often with chloritised edges, 1% Po. 321' - 3/10" graphite band 324' - 1/10" conductive graphite, 5% Po - some siliceous fracture fillings 324-328' - Intermediate Volcanic, moderately broken, possibly slightly silicified 325' - minor graphite IN 1" argillite - carbonaceous veins				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		328-329 · Black Rhyolite w/ calcite fracture fillings				
		329-330 1% Po, silicified sections, isolated 1/16- 2" graphitic blebs				
		330-339 - Med Gray Green, Carbonatised Andesite Mafic Volcanic with Po, Calcite and Chlorite fracture fillings				
		339-340 - Black Rhyolite with Calcite fractures - some graphitic blebs tr. cp.				
		343 - graphitic blebs in Black Argillite, 1% Py, Tr Cpy, Po				
		346-357 small graphitic blebs				
		357-358 Mafic Volcanic	G4680	357.5	359	1.5
		358-358.5 Black Rhyolite	G4618	359	361	2.0
		358.5-360 Graphitic Conductive Material 1% Py, Po, Calcite fractures				
		360-362 Black Rhyolite				
		362' CA ~ 30°				
362	457	Basalt				
		- med gray green, fine grained, massive, carbonated mafic volcanic				
		- Chl, Qtz and Calcite fracture fillings				
		- Tr Py, Cpy				
		- 362-368 - possibly argillaceous xenoliths ~ 1/16"				
	457	END of HOLE				



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

DATE:	SCALE:	DRAWN BY:
MARCH 1981	1: 4800	

GMC [redacted]59

Gulf Minerals Canada Limited

PROJECT REID

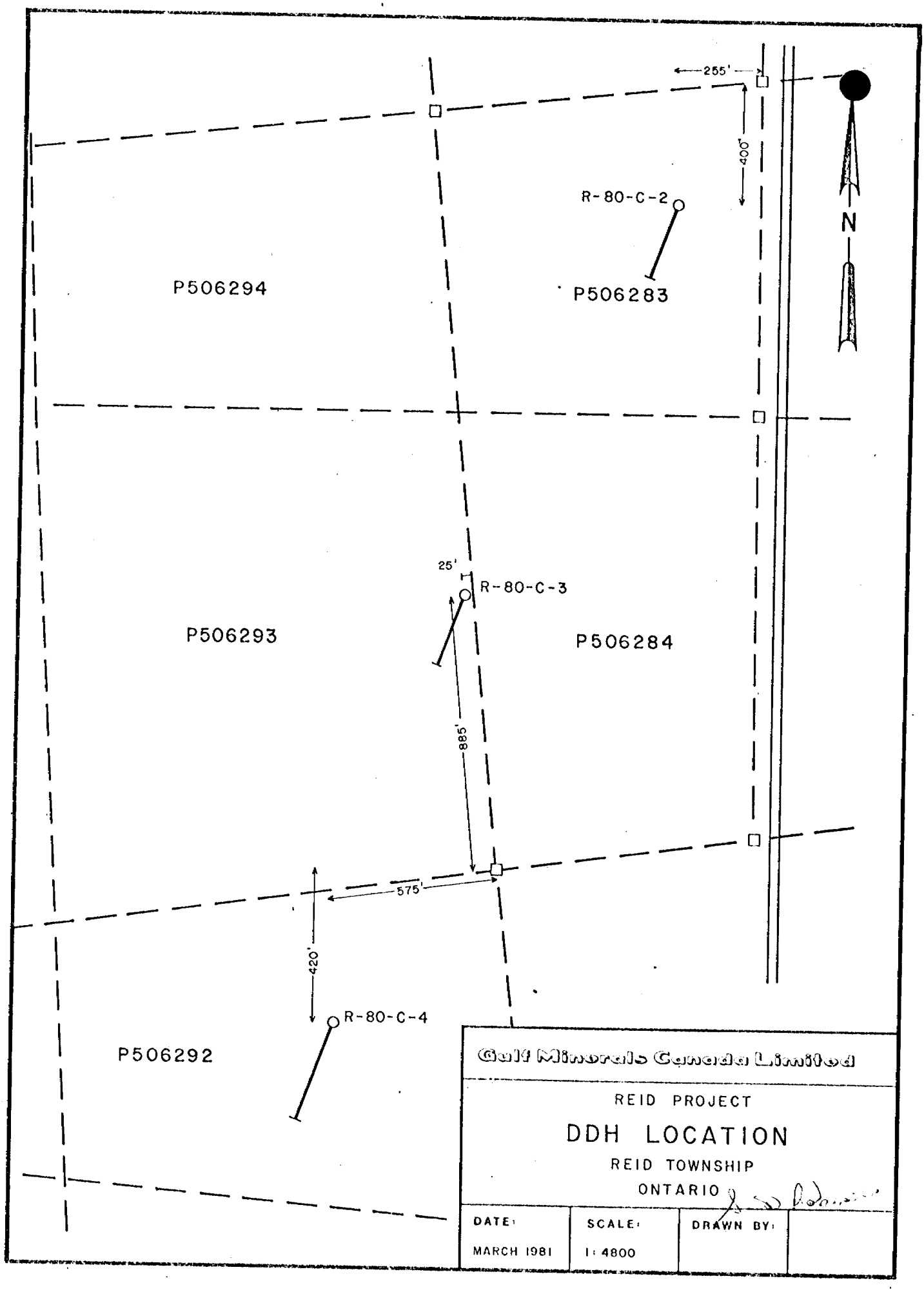
HOLE R-80-C-3

LOCATION	GRID D	CLAIM	P.506293	CORE SIZE	AQ	TESTS	160' - 59°
LATITUDE	4+50N	AZIMUTH	200° Ast.	STARTED	July 11, 1980		375' - 57°
DEPARTURE	100' W of L 28100E	DIP	-58°	COMPLETED	July 19, 1980		
ELEVATION		DEPTH	455 feet	LOGGED BY	S.D. Robinson		

S. D. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	153	Overburden				
153	309	Gabbro Gray, medium grained, massive The occassional section about 1" long of finer grained gabbro is present. Less than 1% disseminated pyrite, pyrrhotite occurs throughout. The occassional green feldspar porphyroblast up to 1/4" occurs at random. 229 - 235 A few calcite veinlets are present. C.A. 229 60° calcite veinlet.				
309	406	Diabase Black fine grained massive. Green feldspathic porphyroblasts occur at random throughout. The occasional coarser grained section is present Locally chlorite - calcite blebs are present. 340.3 - 340.5 About 10% pyrite in blebs and veinlets	G4610	340.3	340.5	0.2'

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		340.5 - 341 A pinkish - white feldspathic unit with green sericite veinlets and about 5% pyrite in blebs is present.				
		383.8 - 384 As 340.5 - 341 Barren				
		401 - 406 broken core.				
406	424.9	Andesite Gray-green, fine to medium grained massive. Calcite veinlets are common.				
424.9	442.5	Diabase Black fine to medium grained, locally porphyritic with feldspar.				
442.5	446	Andesite As 406 - 424.9				
		443.5 - 444.5 Diabase C.A. 443.5 - 60° C.A. 444.5 - 20°				
446	452	Diabase As 424.9 - 442.5				
452	455	Andesite As 406 - 424.9				
	455	END OF HOLE				


255'
400'
R-80-C-2
N
P506294
P506283
25'
R-80-C-3
P506293
P506284
885'
575'
420'
R-80-C-4
P506292
Gulf Minerals Canada Limited
REID PROJECT
DDH LOCATION
REID TOWNSHIP
ONTARIO
DATE: MARCH 1981
SCALE: 1:4800
DRAWN BY:

GMC [redacted] 59

Gulf Minerals Canada Limited

PROJECT REID

HOLE R-80-C-4

LOCATION Grid C Reid Tp. CLAIM P.506292 CORE SIZE AQ TESTS 110' - 50°

LATITUDE 9+75S AZIMUTH 200° Ast STARTED July 25, 1980 310' - 43°

DEPARTURE L 28+00E DIP -50° COMPLETED July 31, 1980 460' - 36°

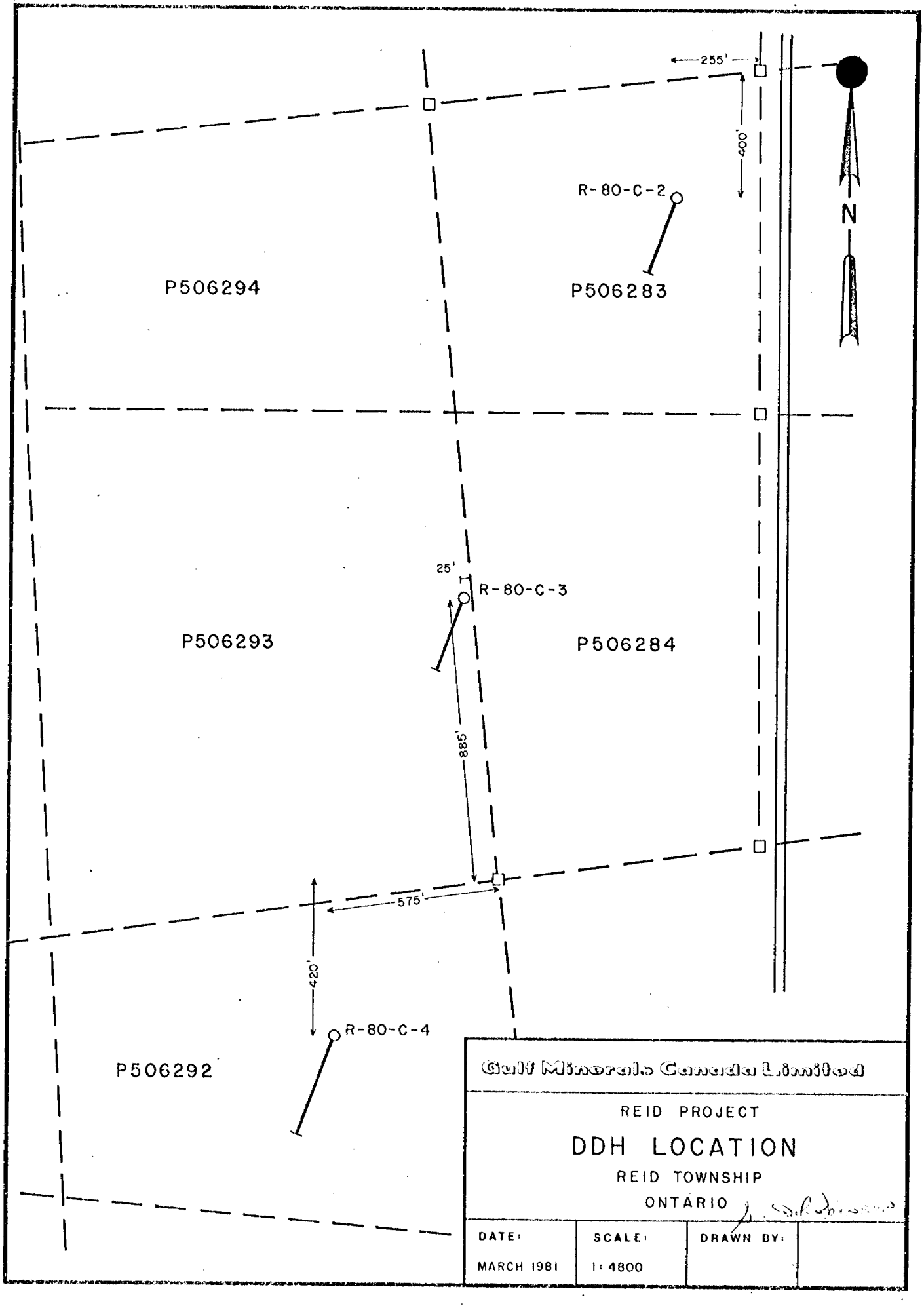
ELEVATION DEPTH 468 feet LOGGED BY S.D. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	103	Overburden				
103	136.7	Basalt Light gray, medium to coarse grained, massive. White feldspar porphyroblasts occur at random. Amphibdeo and biotite are common 113.5 - 122 5% disseminated pyrite Up to 5% disseminated pyrite also occurs locally over sections up to 6" elsewhere.				
136.7	148.7	Rhyolite Green, fine grained, massive. Sausseritized C.A. 136.7' - 15°				
148.7	149.1	Andesite Gray, green, medium grained chloritized.				
149.1	151	Rhyolite White, gray, fine grained massive				
151	291.8	Andesite				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		Gray, green, fine to medium grained massive. Calcite veinlets occur at random				
		151 Red-brown alteration (Hematite) is present				
		175-176 Green and coarser grained				
		197.1 Quartz-carbonate-feldspar vein 1" wide with epidote.				
		202.5 - 204.8 Garnetiferous (red garnet) and about 15-20% disseminated pyrite.				
		Calcite veinlets are common.				
		212 - 291.8 Epidote filled veins and veinlets occur at random				
		Epidote also occurs within the rock.				
		251 - 256 Reddish alteration occurs with calcite veinlets. Minor disseminated pyrite is present				
		264.8 - 265.1 Finer grained				
		C.A. 264.8 - 90°				
		C.A. 265.1 - 60°				
		268 - 272.8 Locally vesicular				
		285.5 - 286.5 Carbonate veins 1" thick are common				
		285 - 291.8 Chlorite veinlets occur at random				
291.8	334.5	Rhyolite Tuff				
		Light gray, medium grained massive				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		tuffaceous rhyolite with sericitized feldspar.				
		324.0 - 324.8 gray, fine grained.				
		321.5 - 321.9 cherty.				
334.5	343	Andesite				
		Gray, medium grained, massive with calcite veinlets.				
		C.A. 334.5 - 60°				
		C.A. 343 - 45°				
		335.5 - 335.8 Green, laminated.				
		C.A.: 335.5, 335.6 and 335.8 - 75°				
343	361	Rhyolite Tuff.				
		As 291.8 - 334.5				
		Possibly it is an altered fragmental.				
		locally: - A patchy colour alteration is locally visible.				
		358 - 361 Hematite staining and finer grained rhyolite.				
361	367	Iron stained Basalt				
		Red hematite, very fine grained, massive				
		It is locally associated with rhyolite				
		Not conductive				
		3½ feet of core was ground				
		361 C.A. 65° sharp.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
367	406.8	Rhyolite White to greenish, medium grained (tuff?) massive. A few quartz phenocrysts occur at random. Sericitized. 398 - 406.8 Quartz phenocrysts up to 1/8" across are common The occasional quarte - carbonate vein is present.				
406.8	411	Basalt Gray, fine grained, massive. Calcite veinlets occur at random. C.A. - 406.8 - 80° C.A. - 411. - 85°				
411	468	Rhyolite White, gray to greenish yellow, medium grained, massive with quartz phenocrysts Sawsseritized feldspar. 456 - 458 Carbonate veins are common. Finer grained, 5% disseminated pyrite.				
	468	END OF HOLE				



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

DATE:	SCALE:	DRAWN BY:	
MARCH 1981	1: 4800		

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Gulf Minerals Canada Limited

PROJECT REID

HOLE R-80-C-5

LOCATION Grid C Reid Tp. CLAIM P.S06378 CORE SIZE AQ TESTS 125' - -61°

LATITUDE 32+40S AZIMUTH 200° Ast STARTED July 27, 1980 350' - -43°

DEPARTURE 100' E of L56+00E DIP -55° COMPLETED Aug 1, 1980 450' - -38°

ELEVATION DEPTH 457 feet LOGGED BY S.D. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	124	Overburden				
124	143	Rhyolite breccia Angular to rounded fragments of gray rhyolite up to several inches across occur in a medium grained tuffaceous matrix containing pervasive reddish brown iron staining. Core Axis are erratic, ranging from 15° to 50° 40° is common.				
143	144.7	Andesite (Tuff?) Patchy greenish, whitish, gray and pink, medium grained, massive, sericitized.				
144.7	163	Felsic Fragmental Interbanded with Felsic Tuff. Reddish brown iron stained felsic tuff, medium grained, sections 2" to about 4' occurs interbanded with gray, pink and greenish massive rhyolite sections (fragments) 6" to 2' long. The contact are irregular. 151-152 Greenish - fine to med grained				

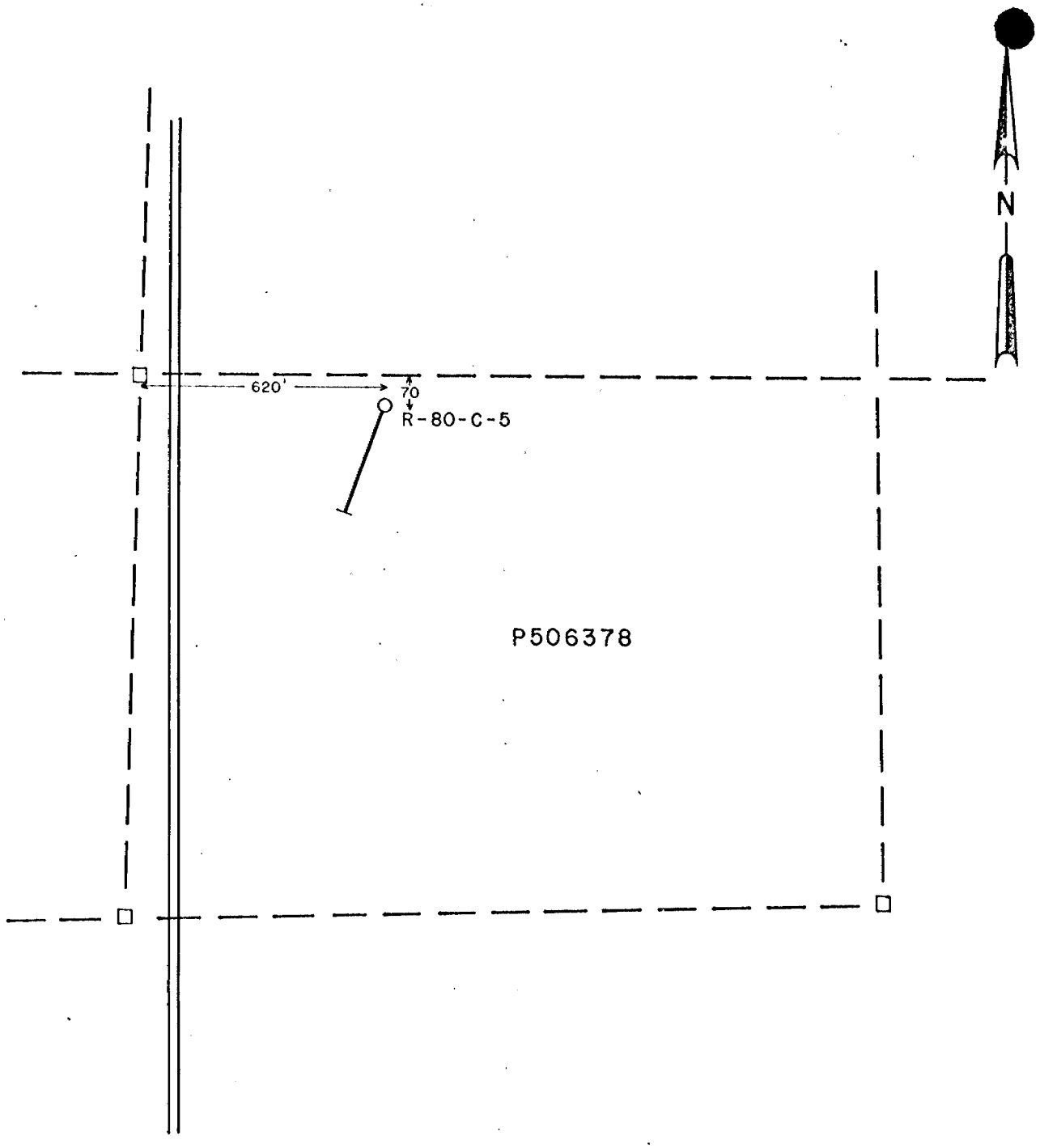
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		massive andesite.				
		155.5 - 156 A few reddish brown veinlets, hematite - sphalerite (?)				
163	168	Andesite Tuff				
		Rounded to angular mafic and felsic fragments about ½" across occur in a fine grained greenish mafic matrix.				
		Iron staining is common throughout.				
168	187.5	Rhyolite.				
		168 - 171.5 Greenish gray, medium grained, foliated rhyolite. Sericitized.				
		Quartz - carbonate veinlets occur at random.				
		169.2 - 170 Iron stained felsic tuff.				
		C.A. 169.2' - 60°				
		C.A. 170' - 70°				
		171.5 - 177 Pink, with a few greenish sections, medium grained, massive to foliated rhyolite.				
		Quartz - carbonate veinlets occur at random.				
		177 - 181 As 168 - 171.5 gradational contacts.				
		181 - 187.5 As 171.5 - 177				
		C.A. 181' - 80° 1" rusty zone at contact.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
187.5	189	Andesite Green, medium grained, massive. Iron staining occurs in veins and veinlets.				
189	191	Rhyolite Fragmental. Pink siliceous cherty fragments several inches across occur in a fine grained iron stained tuffaceous rhyolitic matrix.				
191	192	Andesite Tuff As 163 - 168				
192	205	Felsic Fragmental. Pink to white angular and tectonically elongated fragments generally less than 2" across of fine to medium grained massive rhyolite as well as a few cherty fragments occur in a sericitized and locally chloritized foliated felsic tuffaceous matrix. The occasional speck of pyrite is present. 193.7 - 195 Iron stained felsic tuff. C.A. 203° - 45°				
205	250.2	Felsic Tuff with a few fragments. White to gray, medium grained foliated felsic rock with some rhyolite and chert fragments several inches across. The rock is sericitized and locally a				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		minor amount of chlorite is present.				
		C.A. 222' - 40°				
		C.A. 235' - 45°				
250.2	402	Rhyolite Fragmental				
		250.2 - 258 White fine grained massive rhyolite fragments several inches across occur in a fine grained sericitized felsic matrix.				
		258 - 402 Fragments of rhyolite, angular and tectonically elongated, of white rhyolite often with a yellow stain (iron) occur in a fine grained foliated greenish-gray tuffaceous matrix. The fragments are generally less than 1" across.				
		A few sections several feet long do not contain many fragments.				
		The occasional short section as 250.2 - 258 is present.				
		Sericite alteration is common.				
		Locally quartz veins about 1" across are present.				
		C.A. 262' - 50°				
		C.A. 308' - 60°				
		C.A. 364' - 25°				
		277.2 - 277.5 Rhyolite, green, very fine grained, sericitized with small green chloritic blebs.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		444.5 - 445 Quartz vein with 5% pyrite				
		445 - 446 1-3% disseminated pyrite				
		The occasional quartz veinlet is present.				
	457	END OF HOLE				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		Some silicified sections occur mainly from 350'.				
		354.5 - 355.5 A black veinlet occurs at ... 10° to the core axis. It is black chert or argillite. It is not conductive.				
		360 - 400 Area of folding.				
402	421	Felsic Fragmental				
		Large fragments of fine grained massive gray rhyolite several inches across occur in a whitish fine grained massive rhyolite. Sericite alteration occurs at the fragment boundaries.				
421	429.5	Andesite Fragmental				
		Felsic fragments occur in a Greenish-black fine grained andesite matrix. 421.0 - 421.5 White quartz vein with black argillite.				
		429.2 - 429.5 Quartz vein				
429.5	457	Rhyolite				
		Light gray to greenish fine grained massive rhyolite (fragments?)				
		Sericite alteration occurs in several veinlet systems having various orientations.				



Gulf Minerals Canada Limited

REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

DATE:	SCALE:	DRAWN BY:	
MARCH 1981	1:4800		

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Gulf Minerals Canada Limited

PROJECT Reid HOLE C-80-C-64

LOCATION Grid C Reid Tp CLAIM P.506347 CORE SIZE AQ TESTS 100' - 56°

LATITUDE 35+55S AZIMUTH 200° Azl STARTED Aug /80 330' - 48°

DEPARTURE L 24+00E DIP -55° COMPLETED Aug 24/80 435' - 45°

ELEVATION DEPTH 442 feet LOGGED BY John Ostler

verified by S. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	84	Overburden Clay with sand and boulder seams				
84	100	Rhyolite Crystal Tuff Medium gray - green gray, fine grained; 5%, white - clear, 1/20", rounded quartz crystals in a fine grained, slightly sericitised and occassionally slightly chloritic matrix Occassional rounded, 1/16-2/10", felsic fragments Minor quartz veins, some with chlorite. Red-brown iron staining scattered throughout Minor pyrite as cubes and in fractures				
100	116	Basalt or Diabase Medium green, occassionally bleached, commonly stained limonite brown, very fine grained to medium fine grained. Grain size increases with depth 4" rust coloured iron stains at both felsic contacts, iron stained sections are also carbonitised Tiny 1/20-1/10" chloritic blebs common Minor quartz veins, some with trace [illegible]				

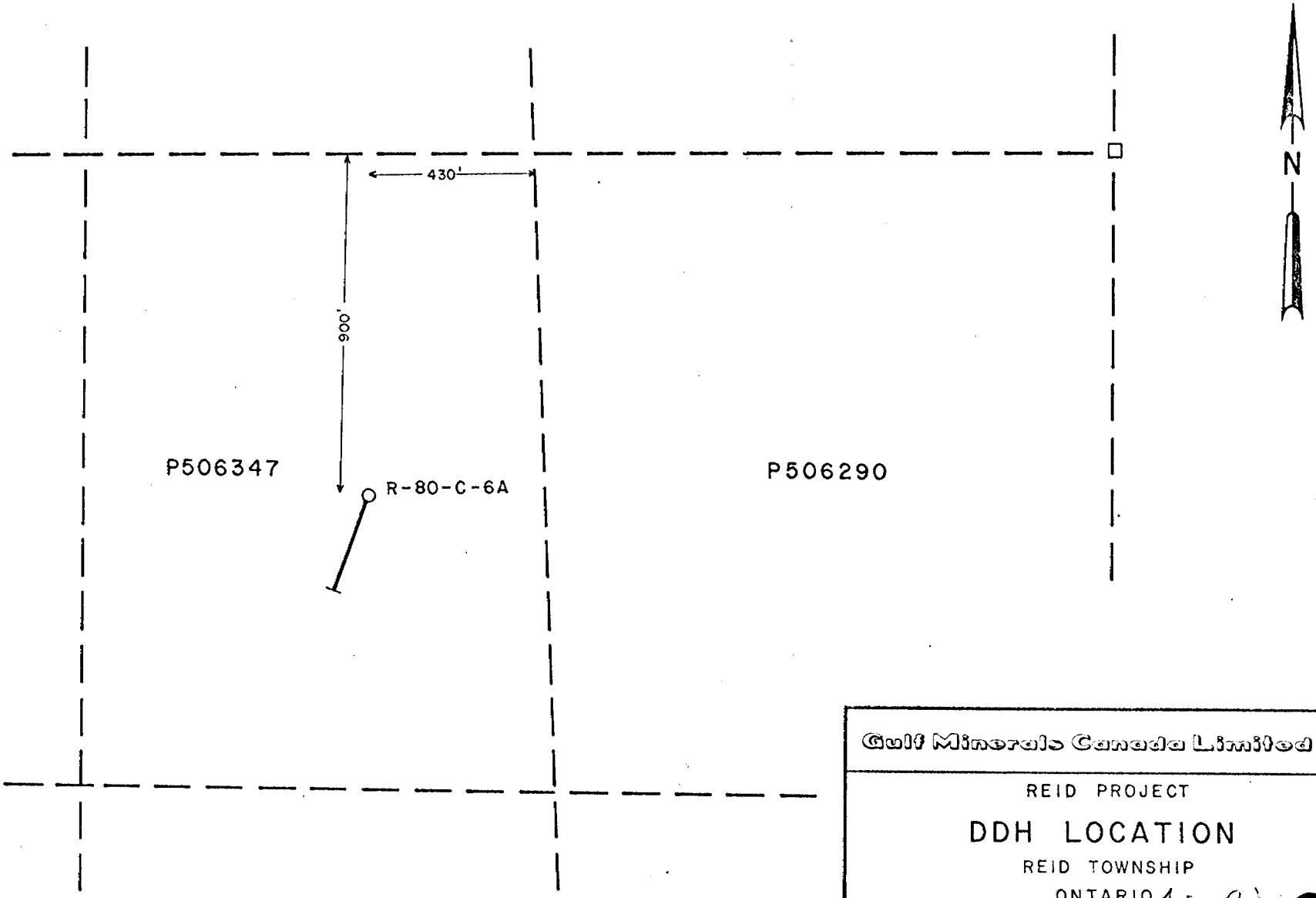
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
		110'-113' - well fractured and iron stained							
		113' - 4" quartz vein							
		115'-116' - finely porous, rust brown, traces of altered pyrite (possibly ½" pyrite vein)							
		116' - 1" quartz vein with ½" limonite cube after pyrite							
116	121	Rhyolite							
		Similar to 84-100'							
		116.5' - possible 1/60 - 1/10" felsic fragments.							
		119.5'-121' - massive, possibly a flow							
		CA at contact 121' - 85°							
121	129	Diabase or Basalt							
		Similar to 100-116'							
		Iron staining at both felsic contacts.							
		125-127' - Iron staining and carbonitisation in fractured Andesite							
		CA at contact 127' - 57°							
129	139	Rhyolite							
		Similar to							
		No distinguishable fragments.							
		138-139' - heavy iron staining, visible altered pyrite cubes							
		CA - foliation - 46° (contact and foliation are not in the same plane)							

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
139	151	Basalt or Diabase. Medium gray green, very fine grained Similar to 100-116 139-144' - heavily iron stained limonite brown; extremely blocky in parts				
151	186	Rhyolite Light gray green through to medium gray with red brown iron staining, fine grained Contains quartz crystals as 84-100, also occassional feldspar phenocrysts. May be a crystal tuff with some massive sections representing interbedded flows. Spotty trace pyrite, occassionally as cubes, low-heavy sericitisation, quartz veins from 1/8" - 1". 157-165 - broken stringers of iron staining, altered pyrite cubes, (hematite after pyrite) 172-186 - tectonically elongated, 2/10" - 3/4" felsic fragments visible 177-183 - 1/4" felsic fragments in green sericitic matrix CA - 151' - quartz veining 42°				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
186	190	Kaolinite (after Rhyolite) Pale green, very fine grained, very finely porous, probably altered Rhyolite Fine quartz crystals visible, also quartz veining 3% limonite, after pyrite, in small cubes < 1/16"							
190	312	Rhyolite Gray to green to black, generally fine grained Rhyolites. 190-199 - Possible Crystal Tuff with 5-10% fine quartz crystals in a well sericitised fine grained matrix, iron staining, also 3% limonite after pyrite in cubes. C.A. - foliation - 195' - 61° 199-231 - Med gray, slightly green, massive Rhyolite - Dacite, possibly a flow. Moderately sericitic groundmass with 10%, < 1/16" quartz phenocrysts; 1%, < 1/16" pyrite blebs and isolated iron stained bands. Minor, 4" tuffaceous beds occur. 231-312 - Medium gray green to dark gray green to black Rhyolite Tuff. 5-10% small quartz crystals, also some small cream coloured feldspar crystals. Angular to subangular 1/16" - 1/2" felsic clasts are occassionally visible in a fine grained, green gray sericitic							

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		matrix. Minor quartz veining. 1% pyrite cube less than ⅛". Trace pyrrhotite 232-235'. Gradational contact with 199-231. 277-310 becomes darker coloured with possible chloritisation and isolated chlorite veinlets. 311-312 becomes green due to contact with underlying basalt.				
312	345	Basalt Green, fine to medium grained, massive, carbonitised andesite. Possible intrusion as grain size reduces considerably toward each felsic contact. Quartz and calcite veinlets, trace disseminated pyrite, generally very chloritic 322' - 3" band of variolitic texture, accumulation of light coloured felsic blebs, ~ ⅛", rounded, in a chloritic matrix. 326' - 4" band of gray, dacitic rock containing ~ ⅛", rounded, slightly elongate felsic blebs, often with a quartz crystal for a core. Blebs appear to have settled into an aggregate at the bottom end of the layer.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
345	442	Rhyolite Beige-gray, fine grained, generally silicified, numerous quartz and chlorite veins and veinlets, quartz crystals, trace pyrite. 345-363 Medium gray with dark green, possible tuff. Felsic fragments up to 1" x ½" are visible. Chlorite in thin seams surrounds the tightly packed fragments. Isolated andesitic beds occur. Feldspar and quartz crystals, minor sericite, indistinct contact with Andesite 363-442 Beige to green buff, fine grained, generally silicified, moderately sericitised. 5-10% quartz phenocrysts, up to 10% feldspar phenocrysts, some possible fragments. 390-399 - soft sericitic section 399-403 - Quartz veins cuts core at very low angle, minor hematite, trace pyrite.					
	442	End of Hole				



Gulf Minerals Canada Limited

REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

DATE:	SCALE:	DRAWN BY:	
MARCH 1981	1:4800		

GMC [redacted]

Gulf Minerals Canada Limited

PROJECT Reid HOLE R-80-C-7

LOCATION Reid Twp. Grid C. CLAIM P.S.C. 6319 CORE SIZE A Q TESTS 250' -62°

LATITUDE 19+80 S AZIMUTH 200° STARTED Oct. 24/80 450' -38°

DEPARTURE 1.84+00 E DIP -55° COMPLETED Oct. 27/80

ELEVATION DEPTH 513 LOGGED BY J. Wayne Pickett

verified by S. B. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	160	Overburden				
160	170	Rhyolite White, grey in colour, very Silicious Porphyritic with Quartz phenocrysts Silicified with Quartz veinlets throughout Occasional chlorite present along fracture zones				
170	205	Rhyolite Tuff Light brown to green grey ash, crystal tuff with Quartz and feldspar phenocrysts Foliated, chloritized and buggy in Sections Quartz, feldspar, chlorite veinlets commonly occur throughout 170' Foliation C.A. 35°				
205	251	Rhyolite ash-lapilli tuff Grey green in colour with rare 0.5 cm diameter lapilli in a chloritized ash matrix Quartz, feldspar crystals and crystal fragments throughout				

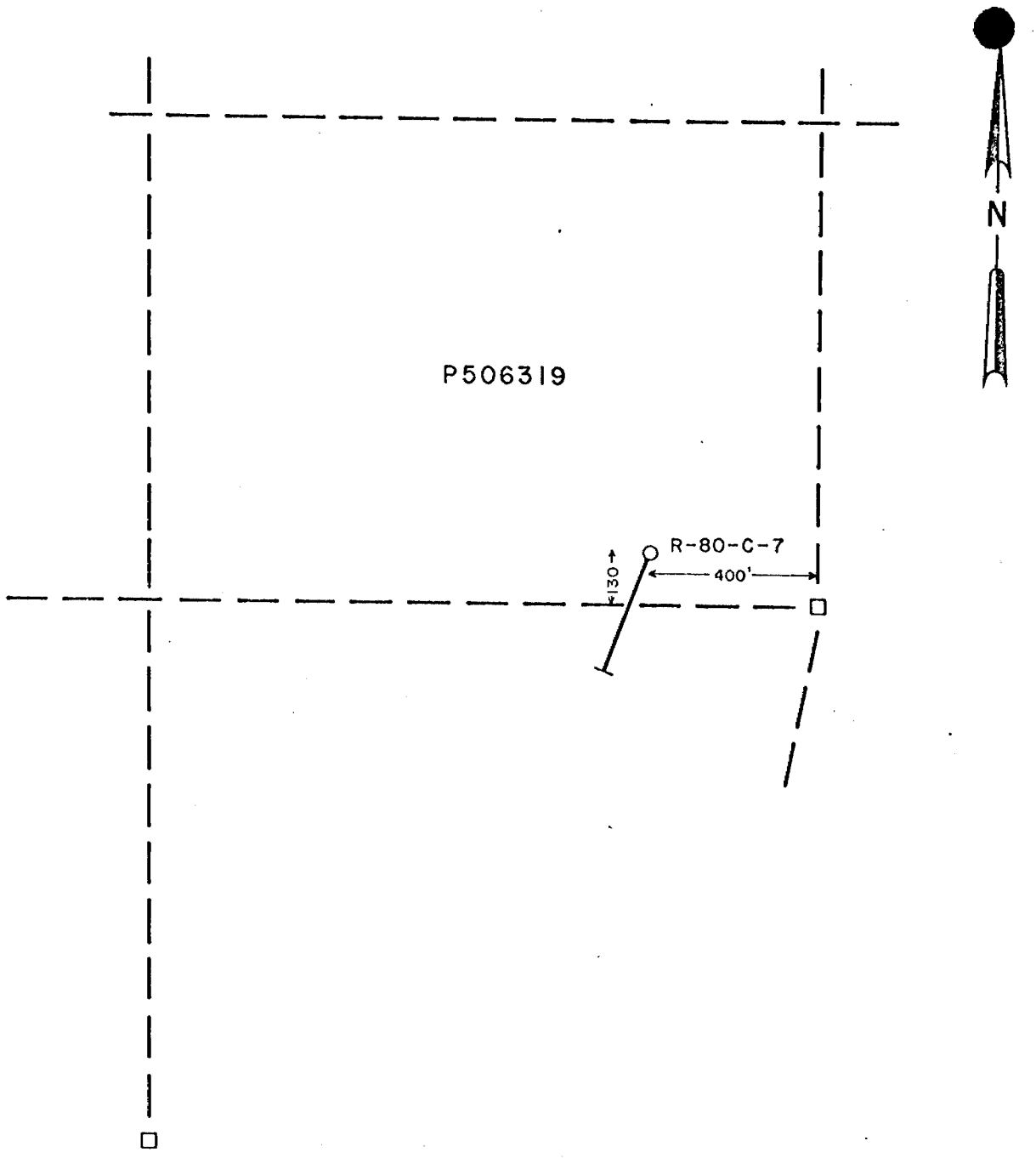
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		Foliated in Sections 246' - 254' Lighter coloured, Sericitized as well as chloritized 224' Foliation C.A. 43°				
254	257	Rhyolite Tuff Light green in colour, Soft. Chloritization and Sericitization is more intense than 205-254 but otherwise similar.				
257	330	Rhyolite ash - lapilli tuff. Light grey in colour with occasional Subrounded 1mm. diameter Quartz crystals Chloritized, Sericitized, occasional pyrite in Matrix Occasionally present throughout the unit are light grey to light brown felsic, glassy lapilli and rare volcanic bombs 201.5 - 201.9 Volcanic bomb. 257 - 266 Grey in colour and appears less altered				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
330	408	Rhyolite Lapilli Ash Tuff Very light grey, green lapilli in a light grey green chloritized Sericitized ash matrix 376 - 401 Well foliated as defined by chlorite and Sericite 401 - 408 Coarser with larger and more frequently occurring Lapilli Quartz, chlorite veinlets occur rarely eg. at 381' Pyrite common in ash matrix Chalcopyrite and Pyrhotite in chlorite veinlet at 406.5' 384' Foliation C.A. 45°							
408	468	Rhyolite Ash Lapilli Tuff See 257 - 330							
468	478	Rhyolite Crystal Ash Tuff Dark grey highly chloritized and porphyritic with feldspar phenocrysts.							
478	484	Rhyolite Light grey, green, white, siliceous slightly Sericitized Quartz porphyritic and Silicified as exhibited by Quartz veinlets See 160' - 170'							

GMC[redacted]0

HOLE R-80-C-7 PAGE 4 OF 4

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
484	513	Rhyolite Ash Lapilli Tuff See 205-254				
513		End Of Hole.				



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

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PROJECT REID

HOLE R-80-D-1

LOCATION Grid D. Reid Tp.
LATITUDE 11+00N
DEPARTURE L 48+00W
ELEVATION

CLAIM P. 506403
AZIMUTH 205°
DIP -55°
DEPTH 455 feet

CORE SIZE AQ
STARTED August 8, 1980
COMPLETED August 11, 1980
LOGGED BY S. D. ROBINSON
S. D. Robinson

TESTS 100' - 58°
300' - 20°

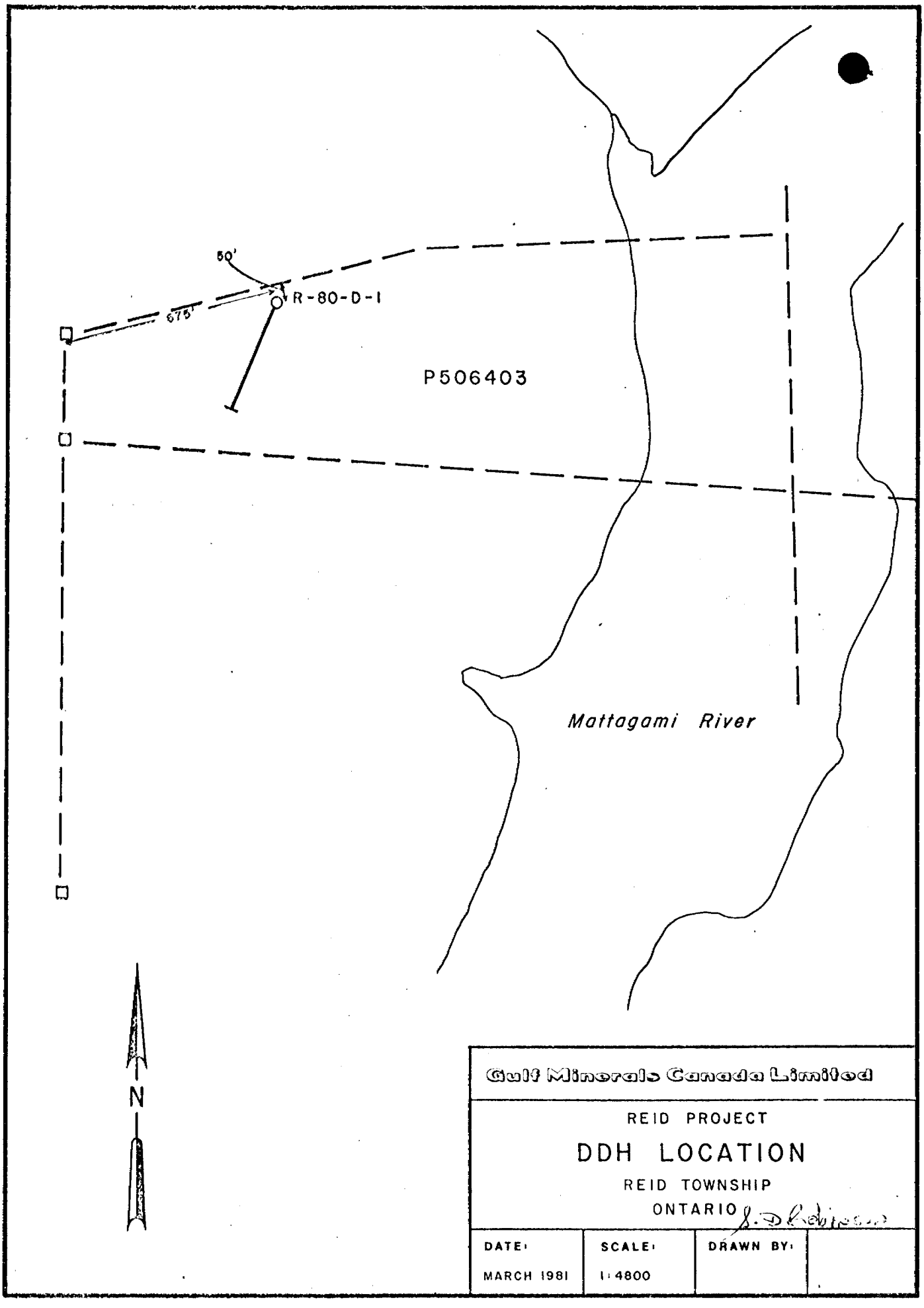
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	69	Overburden				
69	116	Rhyolite Breccia and Tuff Light gray, rounded and elongated fragments of fine grained quartz porphyritic rhyolite up to several inches across occur in a dark gray fine grained locally quartz porphyritic matrix. This is interbanded with foliated sections of fine to medium grained tuffaceous rhyolite, locally porphyritic. Some sericitization is present. A few quartz-carbonate veins occur locally at random throughout. c.A 80' · 45° c.A. 103' · 35°				
116	252	Porphyritic Rhyolite 116 - 170 Medium to dark gray, medium grained quartz porphyritic rhyolite. A Tectonic foliation is apparent. It is slightly sericitized. The occasional quartz - $CaCO_3$ veinlet is present. c.A. 138' · 40°				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		170 - 252 Light gray, medium grained, more and larger quartz phenocrysts. The occasional blue quartz phenocrysts occur locally. Possibly the occasional tuffaceous section is present. The rock is sericitized.				
		180.8 - 181 Dark gray to medium to coarse grained tuffaceous section.				
		A few sections as 116-170 occur at random.				
		244.5 - 245.5 Iron stain.				
252	262	Rhyolite Breccia and Tuff As 69 - 116.				
262	335	Rhyolite Gray, fine grained, massive with quartz and feldspar phenocrysts. Slight sericitization. The occasional short tuffaceous section is present. A few calcite veins occur at random. Several chloritic veinlets occur at random.				
		c.A. 089° - 55° - chlorite-carbonate veins.				
		308 - 313 Greener, very fine grained, massive sericitized rhyolite. Trace chalcopyrite locally.				
		313 - 317 A few chloritic veins and quartz veins are present.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		317 - 335 Gray very fine grained massive quartz porphyritic rhyolite				
		330 - 335 Gray, very siliceous very fine grained, trace chalcopyrite.				
335	337.5	Quartz Massive white quartz vein. Barren				
337.5	396	Rhyolite 337.5 - 345 Gray, silicified rhyolite as 330 - 335 with several quartz veins up to 3" wide. Quartz porphyritic 342 - 345 Broken - fractured core. Possibly a flow breccia – basically down dip of the core. 345 - 370 Gray, quartz porphyritic massive rhyolite. 360 - 370 Possible tuffaceous sections C.A. 368' - 35°. 370 - 375 Dark gray silicified rhyolite, quartz porphyritic. 375 - 378 Light gray, quartz porphyritic siliceous rhyolite with white blebs about ¼" wide and 1" long of quartz porphyritic rhyolite elongated at 90° to the core axis. Possibly fragments. 378 - 396 Light and dark gray silicified				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		quartz porphyritic rhyolite				
396	432.5	Rhyolite Tuff Gray, medium grained laminated tuff with sericite alteration in veins and veinlets Calcite veinlets and quartz carbonate veinlets occur locally at random. 400 - 405 Light gray, very fine grained quartz porphyritic rhyolite locally mottled with black rhyolite. The occasional quartz vein is present. 423.8 - 425 As 400 - 405				
432.5	438.5	Basalt or Diabase Dyke Black to dark green fine grained massive locally a green and white feldspar phenocryst is present. Calcite veinlets are common and they are associated with minor pyrite. 1-3% disseminated pyrite and pyrrhotite occurs locally. 432.5 Contact - chill margin appearance in felsic rocks. 437 - 437.5 Gray, fine grained, silicified rhyolite. 437.5 - 438.5 The rock is chloritized.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
438.5	455	Rhyolite							
		Gray, quartz porphyritic massive to locally tuffaceous, sericitized.							
		Quartz and carbonate veinlets are common.							
	455	END OF HOLE.							



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FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
212	244	Rhyolite tuff Similar to 145.5-207 Contains occassional small, black, mafic fragments, also occassional cherty interbeds.				
244	247'	Dacite Medium gray, fine grained, massive, carbonitised dacite, with occassional iron stains. Minor stringers of pyrrhotite, also occassional epidote veinlets.				
247	337'	Andesite mineralised zone - Grey green, fine to medium grained, fairly massive, fractured, carbonitised Abundant calcite fractures, some quartz and chlorite fractures. 1/8" calcite blebs scattered throughout, possibly amygdaloidal infillings - occassional chlorite blebs also present. Locally highly fractured, fractures are often calcite filled and occassionally contain chlorite; felsic, beige coloured material is also found filling fractures and as a matrix in occassional, small brecciated regions. The lighter coloured, finer grained sections are generally quite hard. Some of these bleached sections may represent silicified	G4721 G4723	248 263.5	251 269	3.0' 5.5'

GMC [redacted]59

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PROJECT Reid

HOLE R-80-D-2

LOCATION Grid O, Reid Tp. | CLAIM 506414 | CORE SIZE AQ | TESTS 150' - 53°

LATITUDE 9100S | AZIMUTH 200° Azt. | STARTED Aug 14/80 | 350' - 45°

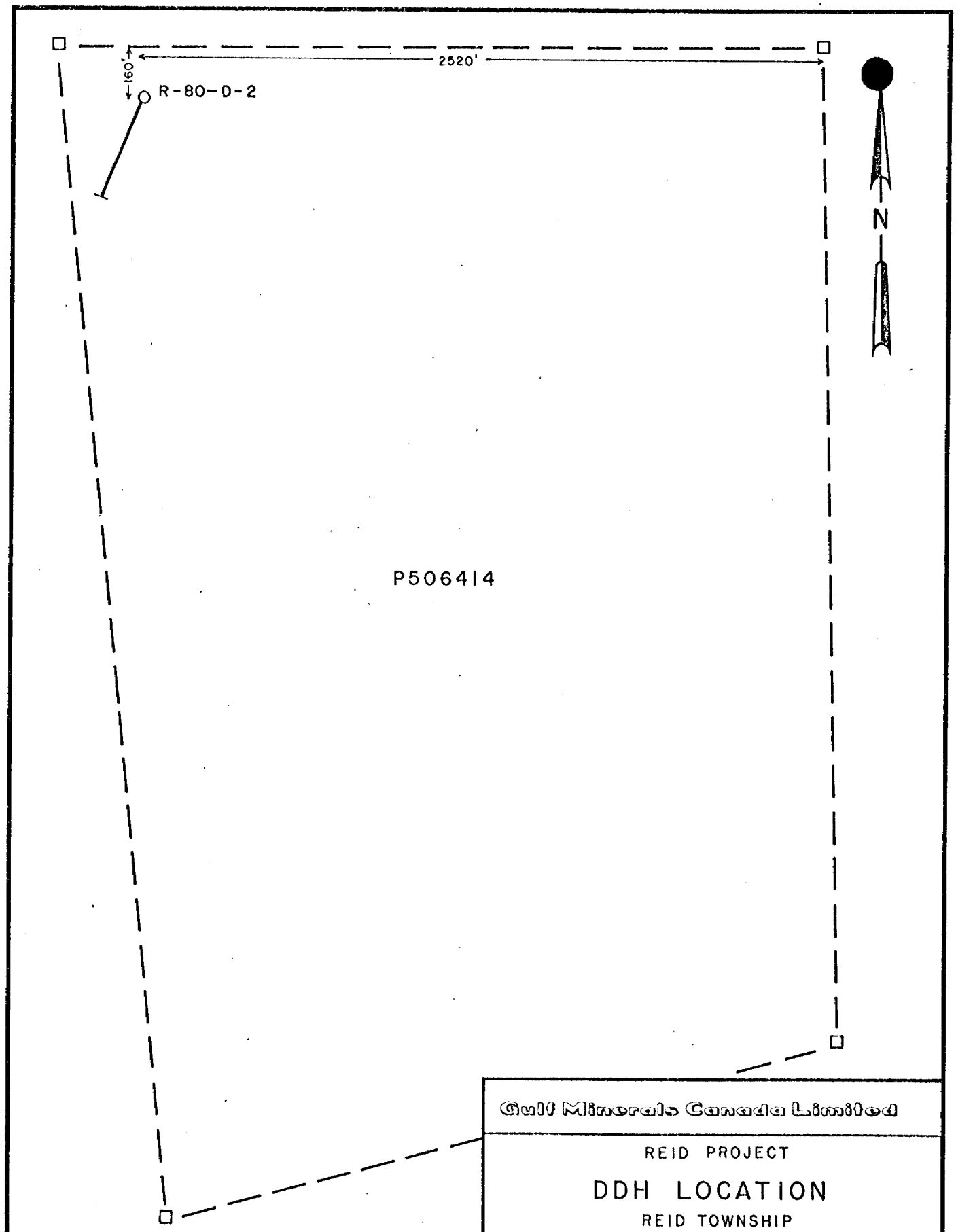
DEPARTURE L4410W | DIP -55 | COMPLETED Aug 16/80 | 500' - 36°

ELEVATION | DEPTH 507 feet. | LOGGED BY S. Robinson & J. Ostler

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	14'	Overburden				
142	145.5	Rhyolite Gray, fine grained, massive, quartz porphyritic Rhyolite. CA - 55°				
145.5	207	Rhyolite Tuff Dark gray, medium grained felsic matrix with gray to black, ~¼" angular to subangular, rhyolite and chert fragments. Quartz and calcite veinlets occur at random, also occassional epidote veinlets. The occassional felsic fragment may reach several inches. Trace pyrrhotite locally.				
207	212	Rhyolite Gray, fine to medium grained, massive, feldspar porphyritic rhyolite with minor sericite, trace pyrite. 212' contact is gradational				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		material, some possibly more felsic interbeds. The colour/hardness transition is gradational. Occassional quartz filled blebs can be found in the bleached sections.				
		Stringer pyrrhotite and pyrite with traces of chalcopyrite, total ~3%, chlorite is occassionally found accumulated around the sulphides. Heavy pyrrhotite occurs between 247 and 257 feet, heavy pyrite between 263 and 271 feet. Sulphide bands appear to be large enough to represent a conductor. Pyrite and pyrrhotite also appear finely disseminated, ~1-2%.				
337	360	Andesite				
		Medium gray, fine grained, contains 1/8", rounded amygdule-like calcite blebs, locally well fractured with abundant calcite veins. 1-2% pyrrhotite in blebs, finely disseminated, and in fine veinlets.				
360	377	Basalt				
		Buff green to green, fine grained, slightly sericitised, carbonitised, with calcite, quartz and occassionally chlorite veins.				
		1-2% pyrite with trace pyrrhotite, in thin seams and disseminated.				
		Irregular 1/8-3/16" calcite blebs				
		Locally bleached				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		CA - 372' - quartz vein - 49°				
377	507	Basalt Medium green, fine grained, generally massive, carbonatised, with occassional calcite and chlorite filled amygdules Quartz and calcite veining, locally well fractured and cemented with calcite Locally bleached and silicified Trace pyrrhotite, <1% pyrite in blebs, fine beds, and cubes 377' - 1" minor pyrrhotite stringers with chlorite 417-422' - light coloured felsic fragments, ½"-3", angular, in a chloritic matrix 464' - 3" quartz and calcite vein				
	507	End of hole				



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PROJECT: Reid

HOLE: R-80-0-3

LOCATION: Grid O, Reid Tp. | CLAIM: P 506446 | CORE SIZE: AQ | TESTS: 110 - 62°

LATITUDE: 19+00S | AZIMUTH: 200° Ast. | STARTED: Aug 25, 1980 | 310 - 56°

DEPARTURE: L16+00E | DIP: -55° | COMPLETED: Aug 29, 1980 | 480 - 39°

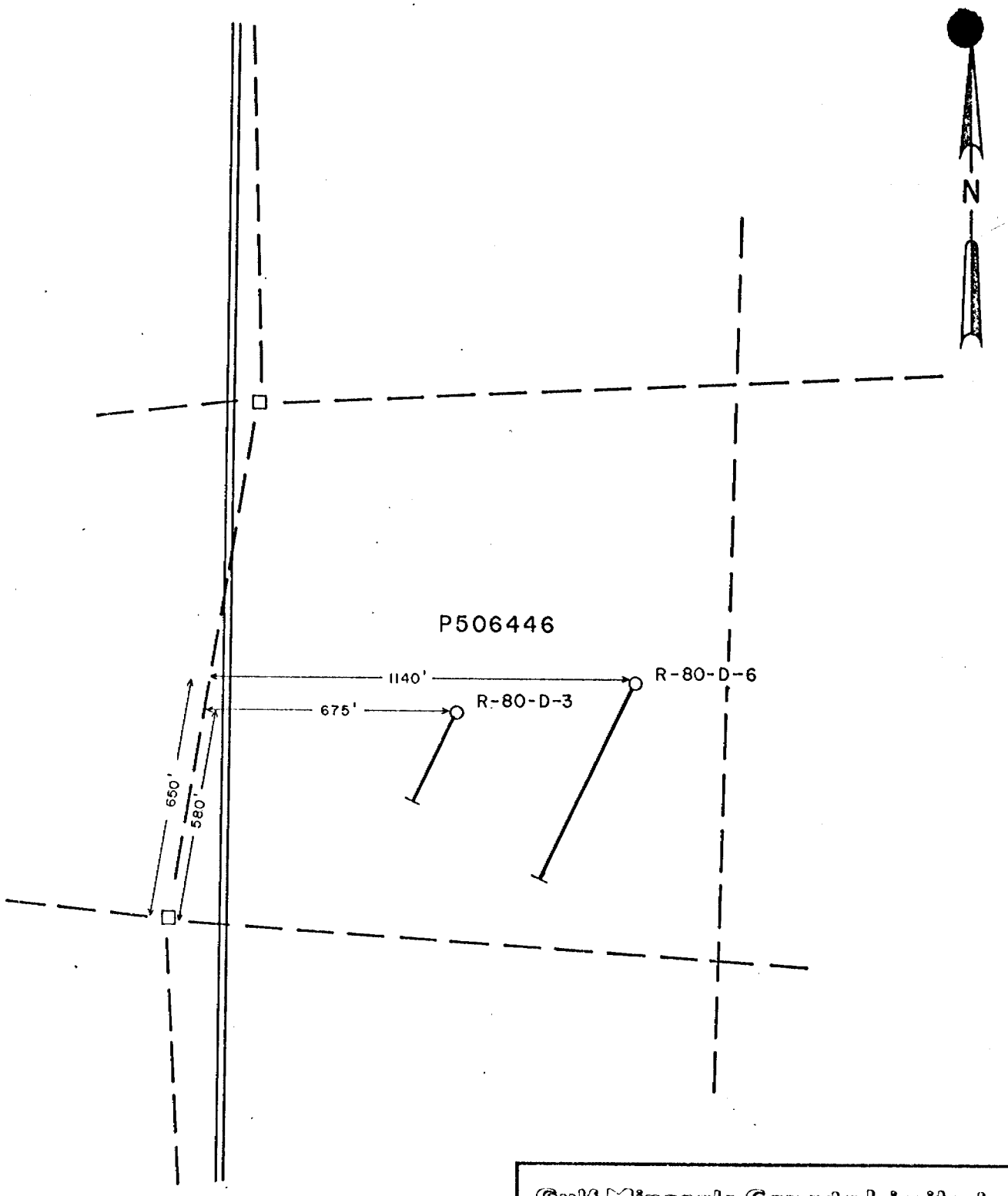
ELEVATION: | DEPTH: 484 feet. | LOGGED BY: John Ostler

Verified by [illegible]

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
0	109	Overburden							
109	202	Andesite Medium gray green, fine grained, massive, carbonitised, andesite Generally amygduloidal with infillings of calcite, and rarely quartz. Amygdules range 1/10" - 1/4" in diameter and are occassionally weathered out to leave voids. Minor chlorite in blebs, possibly filling vessicles. Numerous calcite veinlets, occassional quartz veinlets. Locally well fractured and cemented by calcite. Trace disseminated pyrrhotite, ~ 1% Locally fairly hard, possibly slightly siliceous. 152' - 2" quartz vein with trace chlorite and ~ 20% hard rose coloured mineral? CA 152' - quartz vein - 20° 171' - same as 152' CA 171' - quartz vein - 24°							

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
		193' - 4" of <½" felsic coloured blebs in an andesitic matrix, relatively hard, similar to variolitic texture.							
		189' - 1" band of pale green grey hard, possibly silicified andesite or dacite, with minor quartz blebs.							
		CA - 189' - silicic band - 30°							
202	255	Dacite Tuff.							
		Light green, with occassional beige, fine grained, hard felsic fragments in a softer, more chloritic matrix.							
		Subangular fragments <¼" to several inches.							
		Minor quartz, chlorite and calcite veining.							
		Spotty trace Pyrrhotite							
		Some fairly massive, hard sections may be large fragments.							
		Locally bleached.							
		Gradational contact at 202'							
255	297	Dacite							
		Green with occassional beige patches, fine grained, massive.							
		Quartz, chlorite and carbonate veining.							
		Soft and hard regions are present, the harder sections probably having been silicified							

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		Beige coloured sections may represent small felsic interbeds, as some have quartz phenocrysts. The felsic layers grade gradually into the green andesitic material.				
		271-272 - beige, fine grained, hard, quartz crystals, possibly rhyolite; grades evenly into surrounding green andesite.				
287	292	Dacite Tuff As 202-255				
292	339	Andesite Green, fine grained, massive, calcite filled amygdules, abundant calcite veinlets, fairly hard in sections, may be approaching dacitic composition CA - calcite veinlets - 301' - 32°				
339	342	Andesite; Andesite Tuff. Gray, cherty, andesite layer grades into a sericitised, fine grained, andesite tuffaceous layer	G4766	341.5	342	0.5'
		341.5 - 342 - bands of aggregate, fine grained pyrrhotite and pyrite, upto 20% pyrite				



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FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
342	384	(Andesite) - Basalt mineralized zone Grey green, fine grained, massive, fractured, well fractured and cemented with light beige green felsic material Hard sections, which are often bleached may be silicified Quartz and calcite veining Heaviest sulphide concentration is between 342 and 367' Total pyrrhotite, 5-7%; pyrite 1-2%, trace chalcopyrite Pyrrhotite occurs in stringers up to 3/4" wide, sometimes mixed with pyrite, and also finely disseminated. Pyrite concentration is heaviest near 342' CA - 354' - pyrrhotite veinlets - 50°	G4767	342	346	4.0
			G4769	347	351	4.0
			G4770	351	354.5	3.5
			G4773	358	362	4.0
384	410	Andesite Similar to 342-384 but with fewer felsic veinlets, and reduced stringer sulphides, <2% pyrrhotite, <1% pyrite				

GMCL 1070

HOLE R-80-0-3 PAGE 5 OF 5

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
410	484	Basalt							
		Medium grey green, fine grained, generally massive but exhibiting considerable fracturing and brecciation.							
		Carbonitised with abundant calcite fractures, isolated quartz and chlorite fractures.							
		Some sections are well brecciated, clast and matrix supported sections.							
		Clasts are very angular, fine grained, elongate, 1/16" to several inches, and generally softer than the dark grey hard, fine grained matrix that also is found as fracture filling.							
		1-2% disseminated pyrite, pyrrhotite							
		CA - 484' - Clast allignment - 40°							
	484	End of hole							

GMC - 1069

Gulf Minerals Canada Limited

PROJECT REID

HOLE R-80-D-4

LOCATION Grid D Reid Tp. | CLAIM P.5064/38 | CORE SIZE AQ | TESTS 136' - 56°
LATITUDE 3+50N | AZIMUTH 210° | STARTED September 5, 1980 | 337' - 50°
DEPARTURE 100' E & 24+00W | DIP -56.5° | COMPLETED September 8, 1980
ELEVATION | DEPTH 437' | LOGGED BY S.D. Robinson / S. D. Robinson

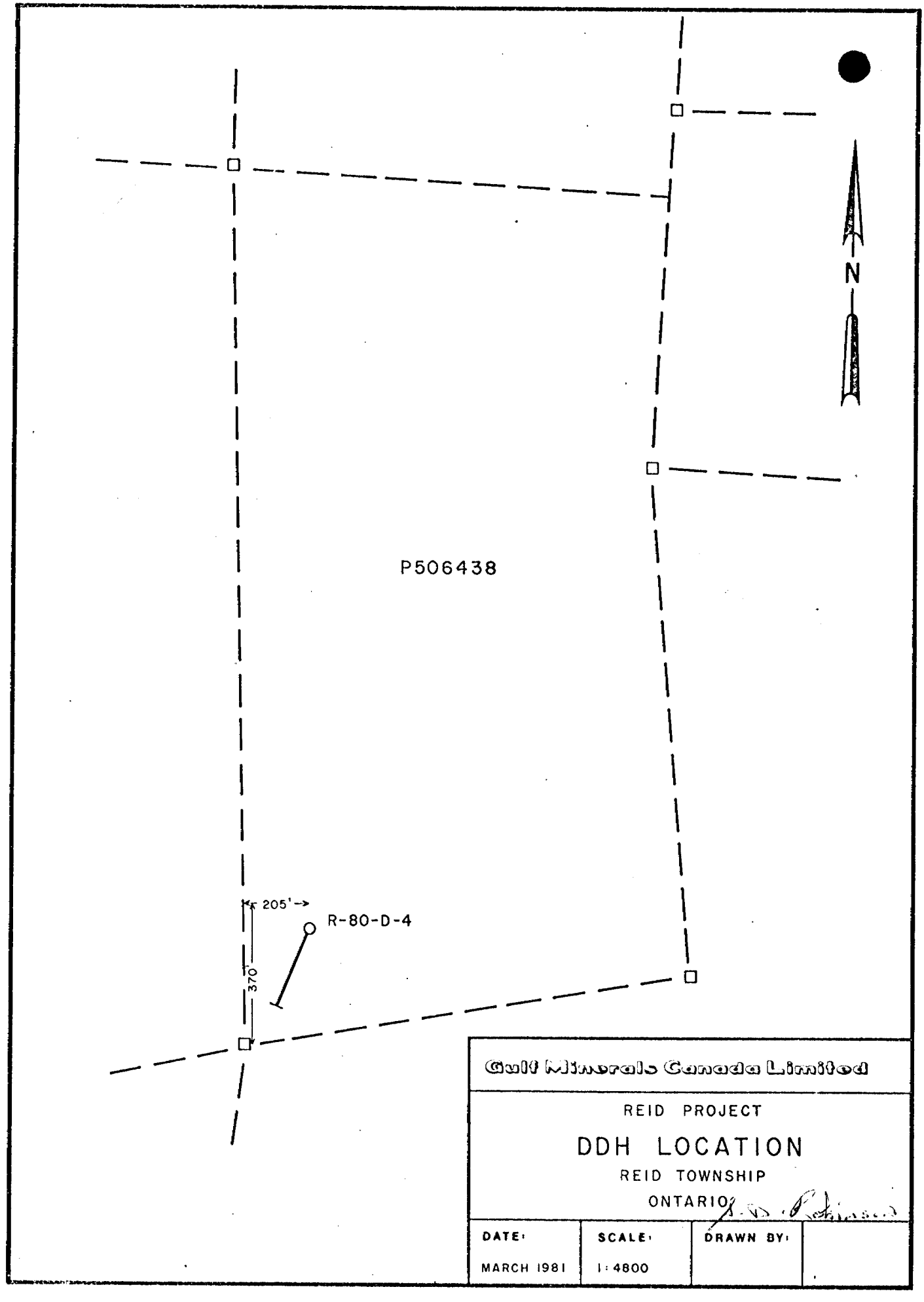
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	130	Overburden				
130	138.5	Andesite Gray, fine to medium grained, massive. A few quartz phenocrysts occur locally. The rock is locally carbonatized. A few calcite veinlets occur at random.				
138.5	150.5	Andesite Tuff The contacts are gradational. Gray, medium grained, foliated with minor chlorite and sericite. It is locally vesicular c.A. 14/3' - 40°				
150.5	167.5	Andesite As 130 - 138.5 A few light coloured silicified bands up to 18" long occur at random.				
167.5	200	Dacite; Dacite Tuff; Dacite Fragmental Gray, fine to medium grained, massive dacite occurs interbanded with short sections of medium grained dacite tuff as well as				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		sections of dacite fragmental/breccia. Dacite and rhyolite fragments generally less than ½" but locally about 1" across occur in a fine to medium grained, greenish locally foliated dacitic matrix. The rock has been silicified locally and a few quartz veins up to 3" wide occur locally.				
		C.A. 184 40°				
		187-197 3½' of core recovered.				
200	209	Rhyolite				
		White, very fine grained massive very siliceous. chlorite veinlets occur along closely spaced erratic fracture planes. Barren.				
		Contact at 200' - gradational				
		Contact at 209' - 45°				
209	221.2	Dacite; Dacite Tuff; Dacite Fragmental				
		Similar to 167.5 - 200				
		Occasional pyrite and pyrrhotite speck.				
221.2	233	Andesite				
		Gray, fine grained, massive. It is locally cream coloured due to silicification.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
233	238	Dacite Tuff.				
		Gray to slightly greenish medium grained foliated. A few quartz phenocrysts occur locally. The occasional quartz-calcite veinlet occurs at random.				
		237.0 - 237.3 less than 1% disseminated pyrrohotite occurs along the foliation planes.				
		C.A. 234' - 50°				
238	254	Basalt				
		Gray, fine-medium grained massive with a few quartz and calcite blebs and veinlets at random.				
254	272	Rhyolite				
		gradational contact at 254'				
		254-261 Grayish white, fine grained massive, siliceous. Occasional pyrite speck.				
		261 - 266 Light to dark gray very fine grained, massive siliceous.				
		266 - 272 Light to dark gray with green bands 3" thick - Possibly chert.				
272	312	Andesite				
		272 - 272.5 Tuff; Gray, medium grained foliated. Quartz-calcite blebs are common				
		C.A. 272.2 - 50°				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		272.5 - 312 Gray with greenish tinge, fine to medium grained, massive. Calcite veins occur at random. 279 - 282 The occasional quartz - feldspar vein about 1" wide. The feldspar are sericitized to a green colour.				
312	325	Graphitic.				
		312 - 318 Black, fine grained graphite occurs interbanded with black rhyolite and a few quartz veins. Less than 1% disseminated pyrrhotite is present.	G4813	312	318	6.0
			G4814	318	320.5	2.5
			G4815	320.5	324	3.5
		318 - 320.8 Black fine grained graphite foliated. About 5% pyrrhotite and minor pyrite occurs in veinlets. C.A. 319' - 60°.				
		320.8 - 325 Graphite occurs interbanded with light gray to greenish very fine grained dacite - rhyolite, massive. About 1% pyrrhotite and pyrite occurs along the foliation planes.				
325	339.5	Dacite? Dacite Fragmental. Light gray to greenish gray, fine to medium grained massive dacite. A few sections about 1' long of dacite fragmental is present.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		Fragments about 1" across of dacite and rhyolite occur in a fine to medium grained dacitic matrix. Minor chlorite and sericite is present.				
		336.9 - 337.2 quarte veins.				
339.5	437	Basalt				
		Greenish gray, fine to medium grained massive.				
		Calcite veinlets and patchy zones about 6" long occur locally. A few quarte-feldspar veins occur at random.	G4814	369	370.8	1.8'
		A minor amount of chloride alteration is associated with some of the calcite veins.				
		369 - 370.9 Minor pyrrhotite occurs with some of the calcite veinlets. Trace of chalcopyrite.				
	437	END OF HOLE				



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REID PROJECT

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PROJECT REID

HOLE R-80-D-5

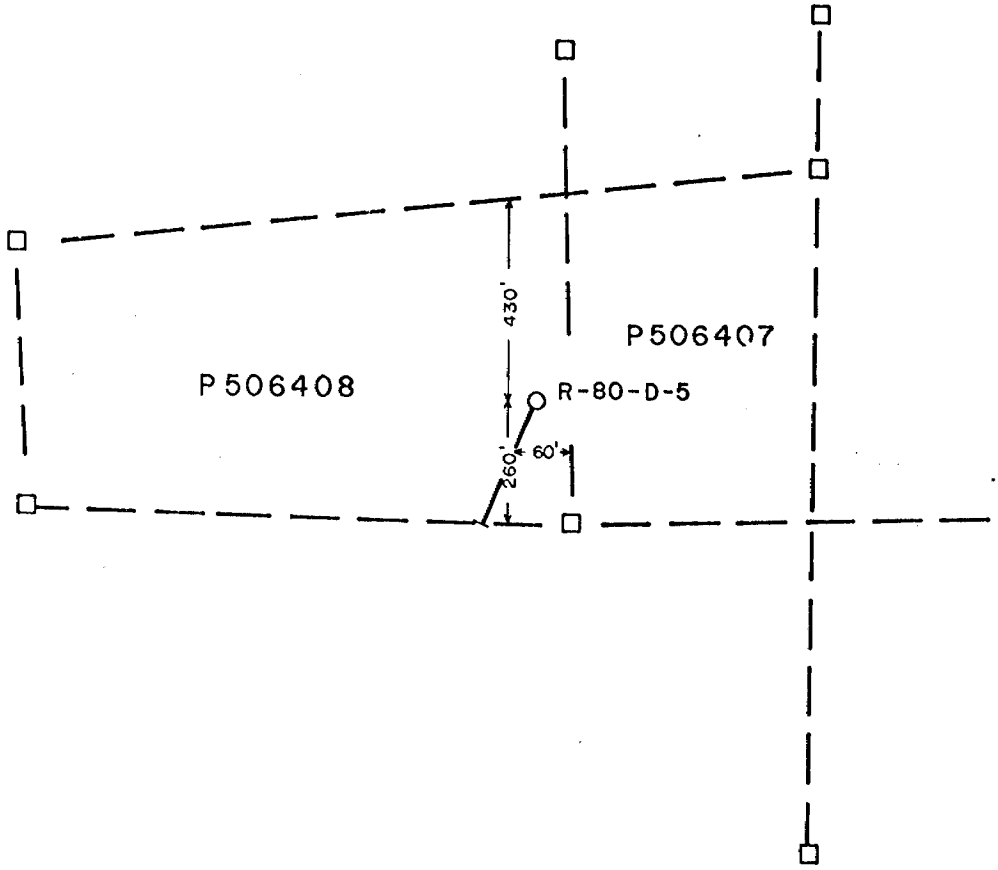
LOCATION Grid D Reid Tp.
LATITUDE 2+00S
DEPARTURE L56+00W
ELEVATION

CLAIM P.506408
AZIMUTH 210°
DIP -55°
DEPTH 437 feet

CORE SIZE AQ
STARTED September 3, 1980
COMPLETED September 7, 1980
LOGGED BY S.D. Robinson
S. D. Robinson

TESTS 108' 57°
300' 46°
430' 39°

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	105	Overburden				
105	113	Rhyolite Tuff. Dark gray, medium grained, poorly foliated, barren. Minor sericite and chlorite alteration The occasional calcite vein is present. C.A. 110' - 40°				
113	137	Rhyolite Fragmental. Light gray, fine grained quartz porphyritic as well as massive angular to subrounded rhyolite fragments generally 1-3" across (but also smaller and larger) occur several inches apart in a rhyolite tuff as 105-113'. 129' bleb of pyrrhotite. Minor disseminated pyrite occurs locally.				
137	156	Rhyolite Tuff As 105-113				
156	172	Andesite with rhyolite fragments. The rock is green, coarse grained and the foliation is well				



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PROJECT REID

HOLE R-80-D-6

LOCATION Grid D (Reid Tp). CLAIM P 506446 CORE SIZE AQ TESTS 127' 60°

LATITUDE 16+55 AZIMUTH 205 STARTED September 12, 1980 327' 51°

DEPARTURE L20+00E DIP 60° COMPLETED September 21, 1980 427' 54°

ELEVATION DEPTH 894 feet LOGGED BY S.D. Robinson 627' 50°

S. D. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	117	Overburden				
117	165	Rhyolite Tuff. The core is mixed up due to being spilled at the drill. Gray, fine to medium grained rhyolite tuff with the occasional large white rhyolite fragment about 1 to 2 inches across occurs interbanded with a few short sections of coarse grained tuff consisting of numerous felsic fragments about 1/4 across as well as a few sections containing larger fragments.				
165	280	Rhyolite Fragmental and Tuff. Gray, medium to coarse grained massive tuff. Large white rhyolite fragments, 1 to 3 inches across, often quartz porphyritic occur at random throughout, but they are generally well spaced. Some chlorite and sericite alteration occurs throughout. Calcite veinlets are not common but occur locally. The occasional speck of pyrite is present. C.A. 193' · 30°				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		pronounced. Numerous small fragments less than ½" of rhyolite are present. Sericite alteration occurs throughout c.A. 164' · 60°				
172	176	Rhyolite Fragmental Angular, white, very fine grained, massive rhyolite fragments less than ¼" up to several inches across occur in a black fine grained massive rhyolitic matrix. The occasional speck of pyrite is present. Minor sericite alteration occurs at the fragment contacts.				
176	184	Rhyolite Black, fine grained, massive locally quartz porphyritic.				
184	188.5	Rhyolite Whitish gray, fine grained, quartz porphyritic. Vague foliation. Some local silicification. The occasional calcite vein occurs at random. Trace pyrrhotite locally.				
188.5	193	Rhyolite Fragmental As 172 - 176				
193	236	Rhyolite 193 - 203 As 176 - 184				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		203 - 223 Greenish-gray - fine grained quartz porphyritic rhyolite with a few quartz veins up to 3" wide.				
		223 - 230 Gray, fine grained, foliated rhyolite. Some chlorite and sericite alteration. Several quartz veins occur at random.				
		226' Amythyst occurs in a quartz vein.				
		c.A. 224' - 50°				
		230 - 236 Light gray, fine grained quartz porphyritic rhyolite.				
236	258	Rhyolite Fragmental				
		Rhyolite fragments, generally sub-rounded and tectonically elongated, about ½" - 2" across of light to medium gray massive to quartz porphyritic rhyolite occur very closely spaced in a black fine grained rhyolitic matrix.				
		Chlorite alteration is common at the fragment contacts.				
		The occasional short quartz vein is present.				
		244 - 245 Minor hematite staining.				
258	318	Rhyolite				
		Dark gray, fine grained, quartz porphyritic				
		The occasional quartz vein less than 1" thick				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		occurs locally and the rock 6" on either side is green due to sericitization.				
318	346	Rhyolite Green to gray, fine to medium grained, quartz porphyritic. Foliation occurs locally 318 gradational contact c.A. 334 . 40°				
346	352	Rhyolite Fragmental Light gray, fine grained, quartz porphyritic rhyolite fragments occur well spaced (several inches apart) in a dark gray, medium grained poorly foliated rhyolite tuff matrix. c.A. 349' . 50°.				
352	388	Rhyolite - tuff. Gray, to slightly greenish, medium grained, poorly foliated - possibly tuffaceous. The occasional calcite veinlet occurs locally.				
388	393	Rhyolite Greenish gray, fine grained, massive rhyolite.				
393	416.5	Rhyolite Tuff. Gray-green, medium grained, locally foliated. The occasional calcite veinlet				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		occurs at random.				
		The occasional quartz feldspar vein				
		and bleb occurs locally.				
		The rock is sericitized.				
		C.A. 395' - 55°.				
416.5	437	Rhyolite.				
		Black, fine grained massive.				
		A minor amount of chlorite occurs in				
		fractures.				
		The occasional calcite veinlet as well as				
		quartz - feldspar vein occurs at random.				
	437	END OF HOLE.				

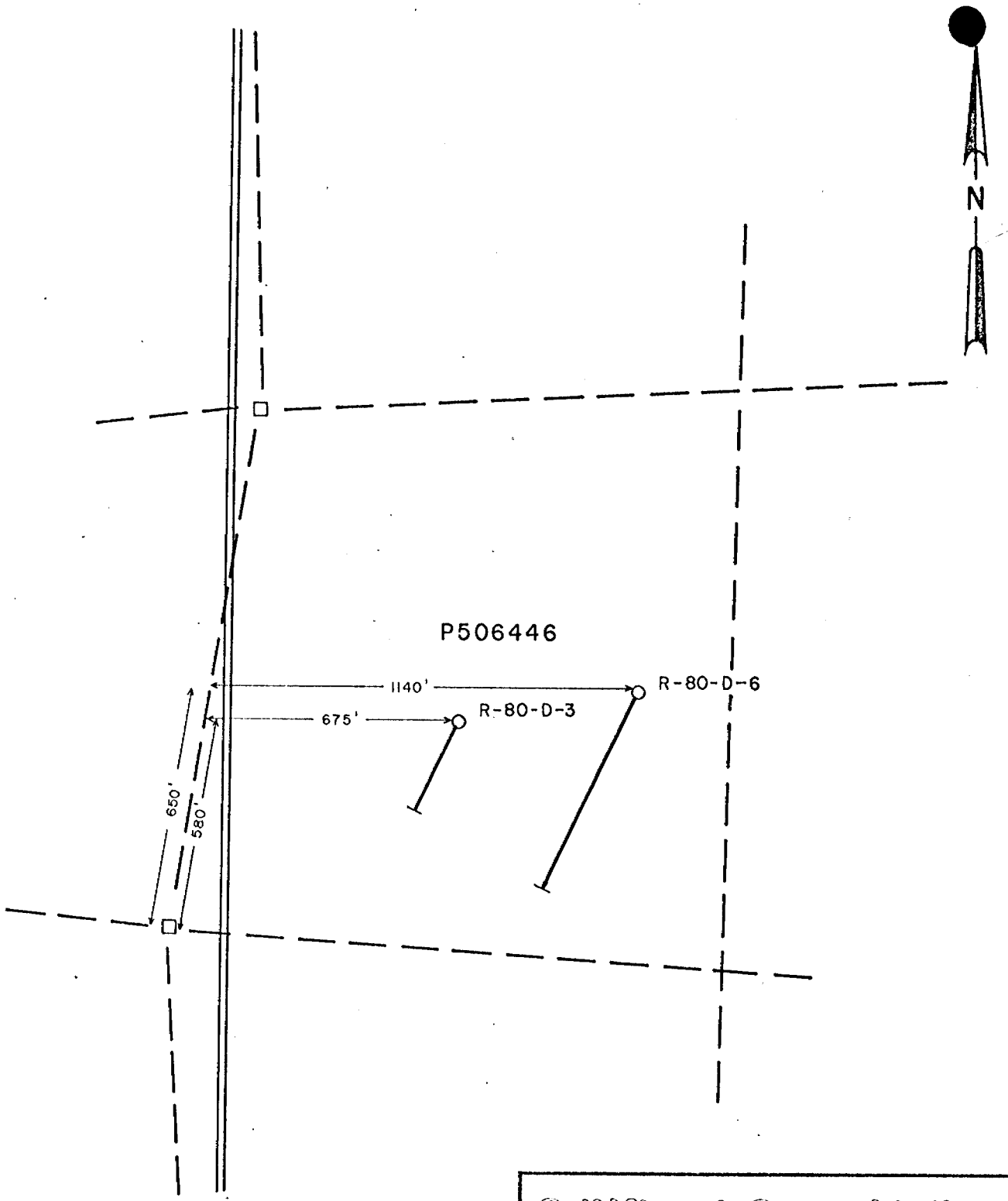
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
280	285	Rhyolite Tuff Gray, coarse grained with numerous closely spaced angular fragments about ½ inch across. C.A. 282' - 50°				
285	328	Rhyolite Fragmental White very fine grained quartz porphyritic angular to sub-rounded rhyolite fragments less than 1 inch to about 5 inches across and black fine grained basalt? fragments occur in a gray medium to coarse grained felsic matrix. Some sericite and minor chlorite alteration is present. The occasional pyrrhotite bleb and veinlet is present. Minor disseminated pyrrhotite occurs in some of the mafic fragments.				
328	374	Rhyolite Tuff Light gray, medium grained, locally foliated. A few felsic fragments occur locally. Some sericite alteration is present. 350 - 351 Light gray, very fine grained massive rhyolite				
374	383.3	Rhyolite Tuff and Argillite Black, medium to coarse grained, foliated.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		Rhyolite particles occur in a black argillaceous matrix.				
		c.A. 375' - 40°				
383.3	636	Andesite				
		Gray, fine to medium grained, massive				
		Calcite veins occur at random throughout.				
		The occasional short foliated section is present, possibly tuffaceous.				
		Silicification and chloritization has occured locally.				
		The rock has a vague fragmental appearance locally. It is possibly an alteration pattern.				
		Trace amounts of pyrrhotite occur as blebs, disseminated and the occasional veinlet. A trace of chalcopyrite occurs locally.				
		383.3 - 410 Several white quartz veins up to 1 foot across are present.				
		c.A. 383.3 - 40° c.A. 494' - 35°				
		558 - 561 chloritic alteration is common				
		575 - 620 Calcite blebs are common.				
636	714	Dacite Tuff.				
		Greenish gray, medium to coarse grained, angular and subrounded dacitic particles occur in a fine grained dacitic matrix.				
		Occasionally some sections have particles up to 1½ inches across.				
		Calcite veinlets are not common but occur				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		locally				
		Minor chlorite alteration occurs throughout.				
714	760	Andesite				
		Gray, fine to medium grained, massive.				
		Calcite veinlets are rare but occur at random.				
		Quartz-feldspar blebs occur locally.				
		Minor chlorite occurs in veinlets. Silicification				
		banding occurs locally.				
		A trace amount of pyrrhotite occurs in				
		blebs as well as disseminated.				
		745-752 Several short sections of				
		dacite fragmental is present.				
760	764	Andesite				
		760 - gradational contact.				
		Light gray, fine grained, massive with				
		fragmental sections. Up to 5% finely				
		disseminated pyrrhotite occurs throughout.				
764	775	Dacite				
		As 714-760				
		773-774 Silicified zone.				
775	778.5	Rhyolite.				
		The contact at 775' is not clearly defined.	G4931	775	773.5	3.5
		Light gray, fine grained, massive				
		777-778 2-5% disseminated pyrrhotite				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
778.5	784	Rhyolite Tuff				
		Gray, medium grained, foliated rhyolite tuff with the occasional rhyolite fragment. Calcite veins occur at random. Weak sericitization occurs throughout. 30-40% pyrrhotite occurs throughout as veinlets, semi-massive to massive veins about 2 inches wide and disseminated.	G4932	778.5	784	5.5
784	840	Andesite/Basalt.				
		Gray, fine grained, massive Calcite veins occur throughout. 787-807 2-5% disseminated pyrrhotite occurs locally. The occasional 6 inch section of 10-15% pyrrhotite in blebs, veinlets and disseminated is present. 839-840 Quartz vein.	G4933	784	787	3.0
840	863	Andesite/Basalt and Argillite. Light gray, fine to medium grained felsic fragments occur in a very fine grained black argillaceous matrix. It is locally foliated. The occasional fragment over 1 inch is present. Calcite veinlets and blebs occur throughout. Minor chlorite alteration occurs locally. A trace of disseminated pyrrhotite occurs locally. C.A. 850' - 40°				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
863	894	Andesite/Basalt Tuff.							
		863 gradational contact.							
		Gray, medium grained andesite particles occur in a fine grained basaltic matrix. The occasional larger fragment up to 1½ inches of rhyolite occurs locally.							
		Quartz-calcite veins and blebs as well as calcite veins occur at random throughout.							
	894	END OF HOLE.							



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

DATE:	SCALE:	DRAWN BY:	
MARCH 1981	1:4800		

GMCL 1069

Gulf Minerals Canada Limited

PROJECT REID

HOLE R-80-D-7

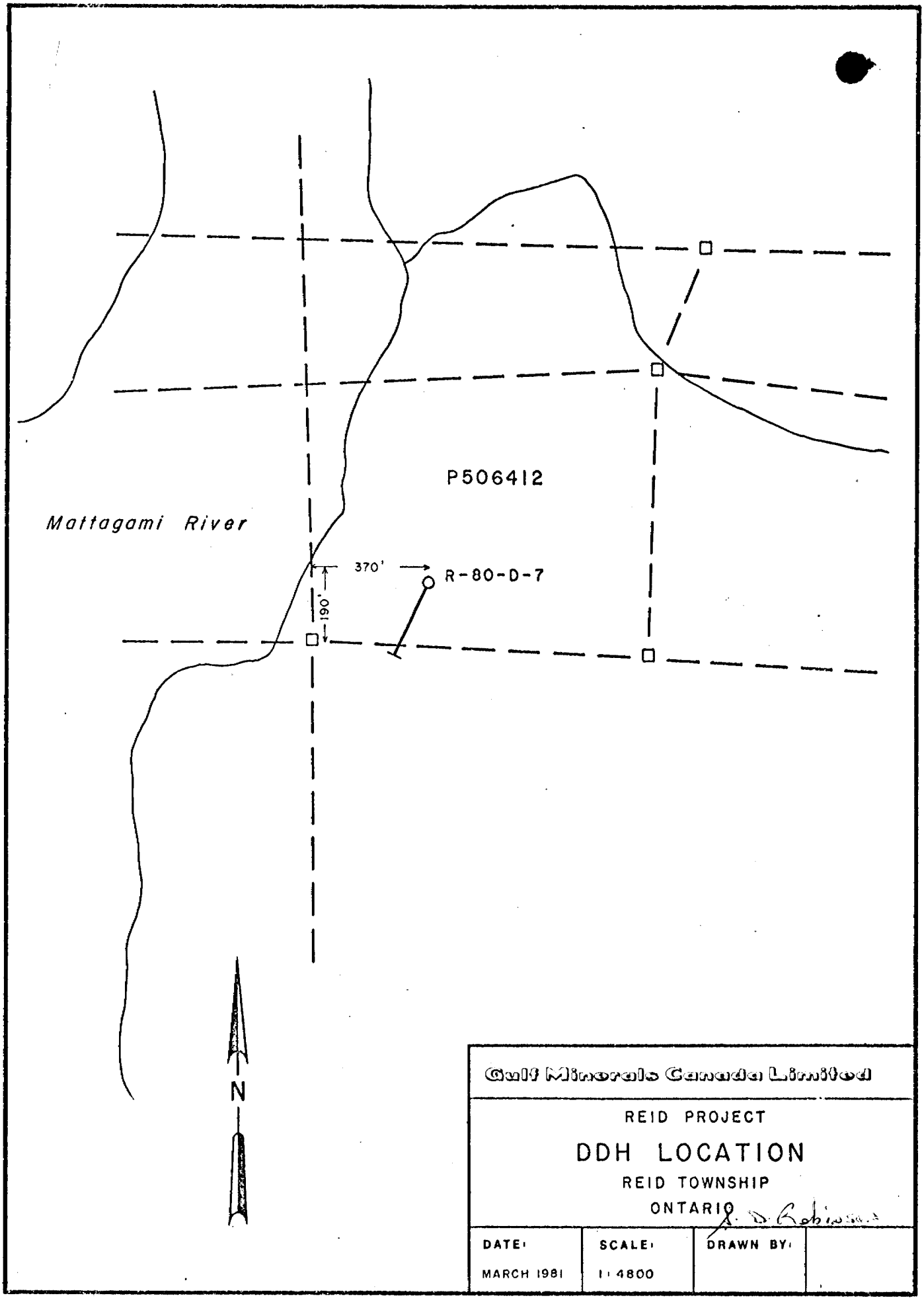
LOCATION Grid D (Reid Tp) | CLAIM 506412 | CORE SIZE AQ | TESTS 100' - 61°
LATITUDE 3+50N | AZIMUTH 205° | STARTED Sept. 11, 1980 | 300' - 54°
DEPARTURE 100'E & 24+00W | DIP 55° | COMPLETED Sept. 15, 1980
ELEVATION | DEPTH 447' | LOGGED BY S.D. Robinson

S. D. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	105	Overburden				
105	447	Rhyolite Gray, fine to medium grained, quartz porphyritic rhyolite. Some sericite alteration occurs throughout. Calcite veinlets are rare but occur at random. 112-113 121.5-122.5 147.6-148.8 } Greenish, very soft, possibly fault gouge. 105-120 Several short silicified zones occur locally. Light gray-green to green. 149-155 Several light coloured blebs occur in the rhyolite; possibly felsic fragments or silicified patches. 170-171 A few veinlets of iron staining. 180-225 Increase in sericitization particularly in veinlets. 219-219.2 Brecciated zone. It occurs within a silicified and sericitized section. 320-360 Increase sericitization 332-346 Intense Sericitization. 344.5-346.5 Rhyolite fragments or patchy				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		silicification. Sericite is common surrounding the fragments or silicified patches.				
		332.8' 1 inch white quartz vein with iron stain				
		365-380 Minor chlorite alteration				
	447	END OF HOLE				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
		Sericite on cleavage planes. Quartz-feldspar veins and calcite veins occur at random. C.A. 262' - 40°							
		269.4 - 269.7 Quartz vein							
		359 - 377 Sericite is common on cleavage planes. The rhyolite is white, fine grained and cleaved. Very silicified. C.A. 369' - 60°							
		377 - 383 White with black veinlets. Highly silicified some sericite occurs on cleavage planes. A trace of pyrite and pyrrhotite occurs locally. This was possibly a tuff. C.A. 380' - 40°.							
		383 - 391 Green and white banded. Quartz-feldspar rich layers and sericite with some chlorite rich layers. This was most probably originally tuffaceous.							
		391 - 405 Yellow-green sericitized fine grained rhyolite.							
		405 - 469 Gray rhyolite, fine grained, quartz porphyritic, tectonic foliation is common. Possibly tuffaceous locally. The occasional quartz-feldspar vein is present.							
469	480	Rhyolite Tuff Black, medium grained, massive.							



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REID PROJECT

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PROJECT REID

HOLE R-80-D-8

LOCATION Grid D. (Reid Tp) CLAIM P506404 CORE SIZE AQ TESTS 110' - 58°

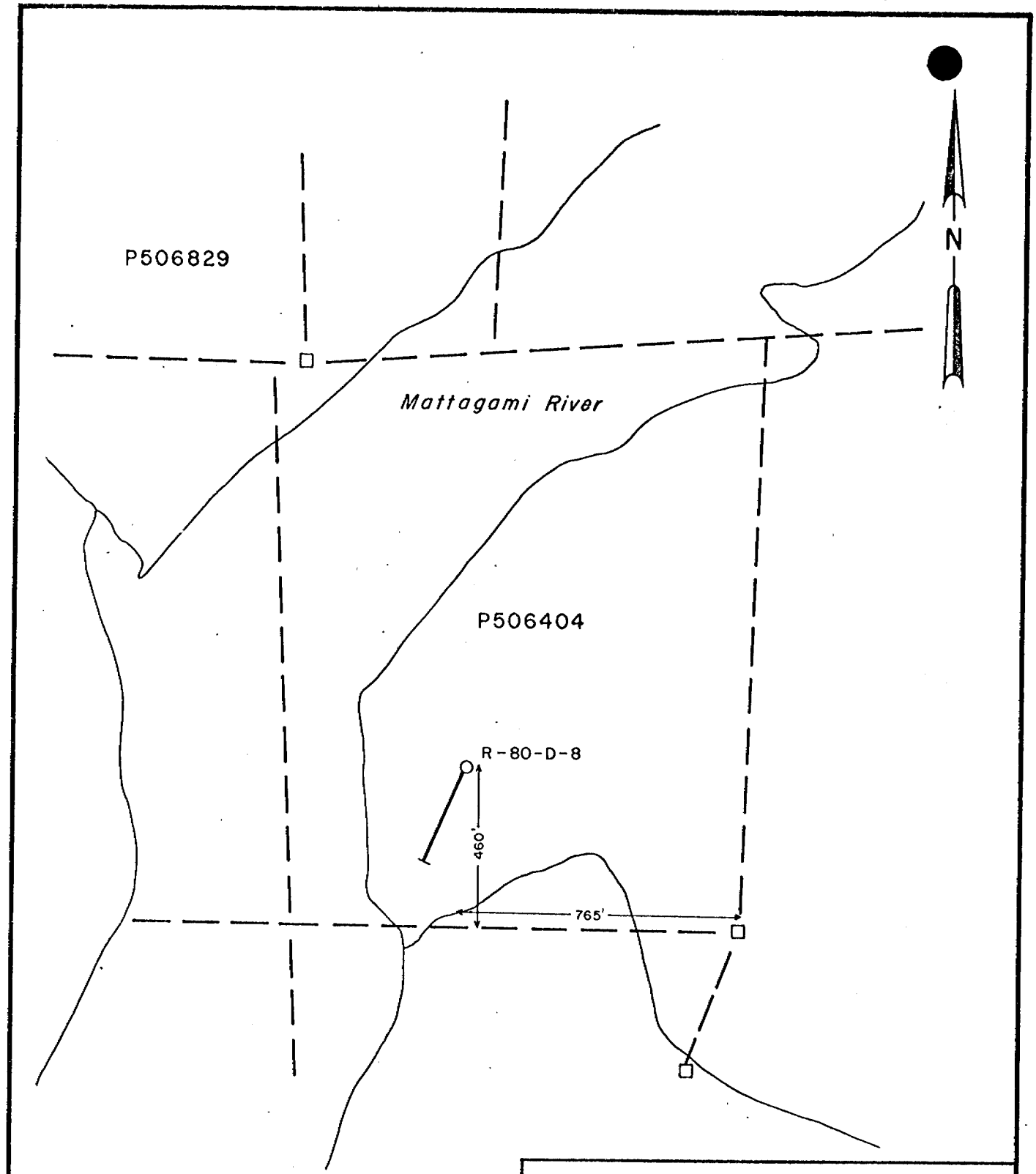
LATITUDE 18+00N AZIMUTH 205° STARTED September 18, 1980 310' - 52°

DEPARTURE 28+00 W DIP 55° COMPLETED September 25, 1980

ELEVATION DEPTH 506 feet LOGGED BY S. D. Robinson (D. Robinson)

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	108	Overburden				
108	469	Rhyolite Gray, fine grained, quartz porphyritic. The occasional lighter coloured silicified section occurs at random. A few quartz as well as calcite veinlets are present throughout. A minor amount of iron staining occurs locally. 114 - 132 slightly sericitized along cleavage planes. C.A. 128' - 45° 174 - 185 Greenish, fine grained, quartz porphyritic. Several quartz - feldspar veins up to ½ inch wide are present. 156 2 inch flow breccia? zone, iron staining. 185 - 213 Gray with various shades of lighter gray sections as well as some greenish-gray sections. Quartz - feldspar veins are common. 213 - 359 Gray, fine grained rhyolite locally quartz porphyritic, slightly sericitized The occasional short section has				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
		Chlorite alteration is common.							
480	506	Rhyolite							
		Gray, fine grained, quartz porphyritic							
		480 - 486 silicified. chlorite occurs on							
		fracture planes.							
	506	END OF HOLE							



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

J. D. Robinson

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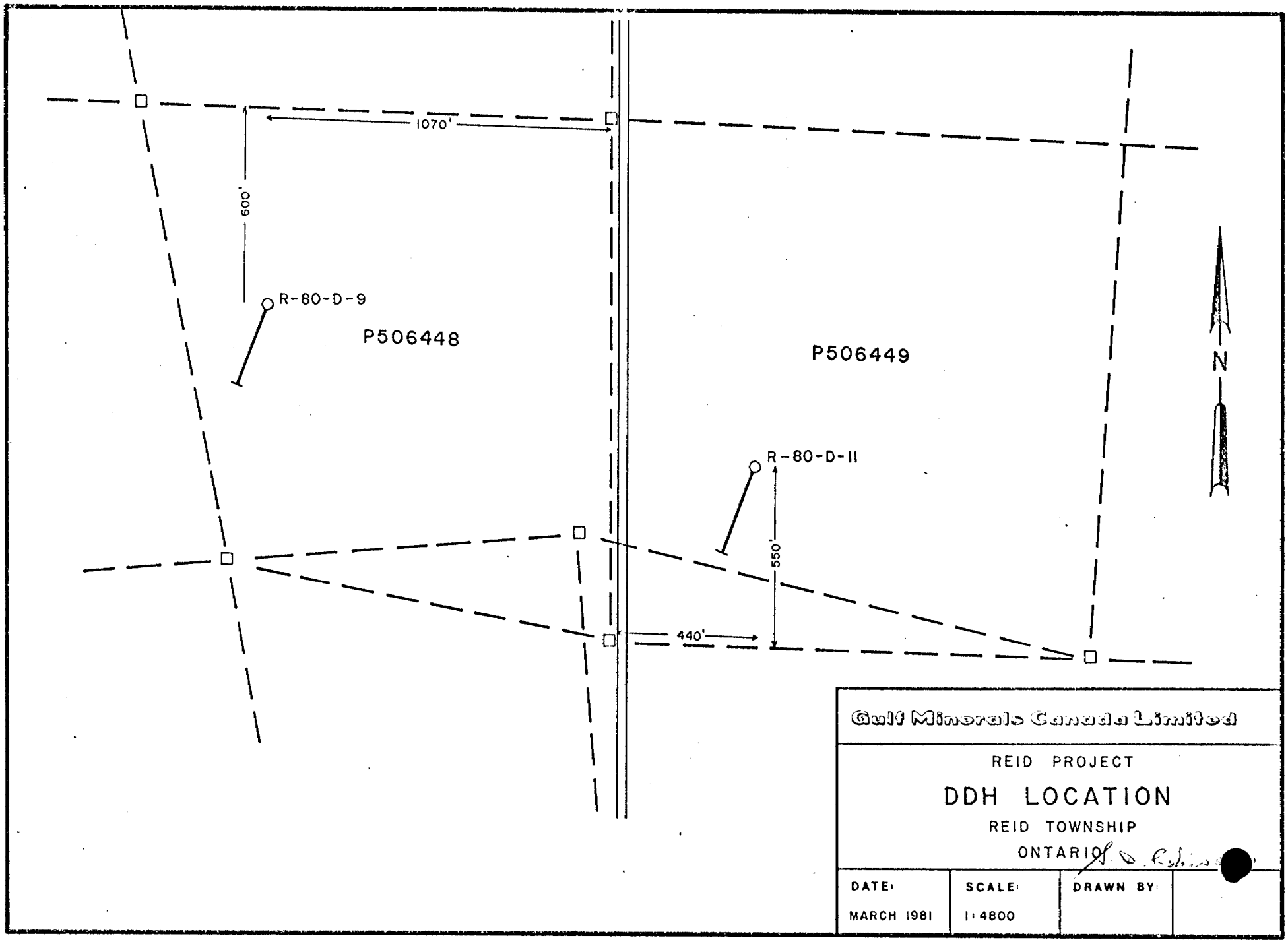

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PROJECT REID

HOLE R-80-D-9

LOCATION Grid D (Reid Tp). CLAIM P506448 CORE SIZE AQ TESTS 157' - 58°

LATITUDE 38+00S AZIMUTH 205° STARTED September 26, 1980 357' - 56°

DEPARTURE L4+00W DIP 56° COMPLETED September 29, 1980

ELEVATION DEPTH 491 feet LOGGED BY S. D. Robinson

S. D. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	158	Overburden				
158	173	Ultramafic Greenish, fine grained, massive. Soapy feel, very soft. About 10% white talcose veins occur throughout. Locally the veins give the rock a brecciated appearance. The rock is serpentinized throughout.				
173	484.4	Ultramafic Gray, fine grained, massive, very soft. Talcose veins locally exhibiting green serpentinized ultramafic and remnants of chrysotile texture (fibrous) are very common throughout, often forming 20% of the rock. Locally the talcose alteration gives the rock a mottled texture from 173 to 428. 369' - 2" quartz vein 428 - 484.4 The rock is harder and talcose veins are rare. The amount of alteration is less. 478 - 479 Quartz-talcose vein 483 - 484.4 Quartz vein.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
484.4	491	Ultramafic							
		Gray, fine grained, foliated,							
		The rock is soft and locally serpentinized.							
		C.A. 486' 25-30°							
	491	END OF HOLE.							

GMCL 1069

Gulf Minerals Canada Limited

PROJECT Reid

HOLE R-80-D-10

LOCATION Reid Township | CLAIM P.508787 | CORE SIZE AQ | TESTS 275' - 59°

LATITUDE 43+25N | AZIMUTH 218° | STARTED Oct. 1/80 | 440' - 52°

DEPARTURE 7+50W | DIP -55° | COMPLETED Oct. 14/80

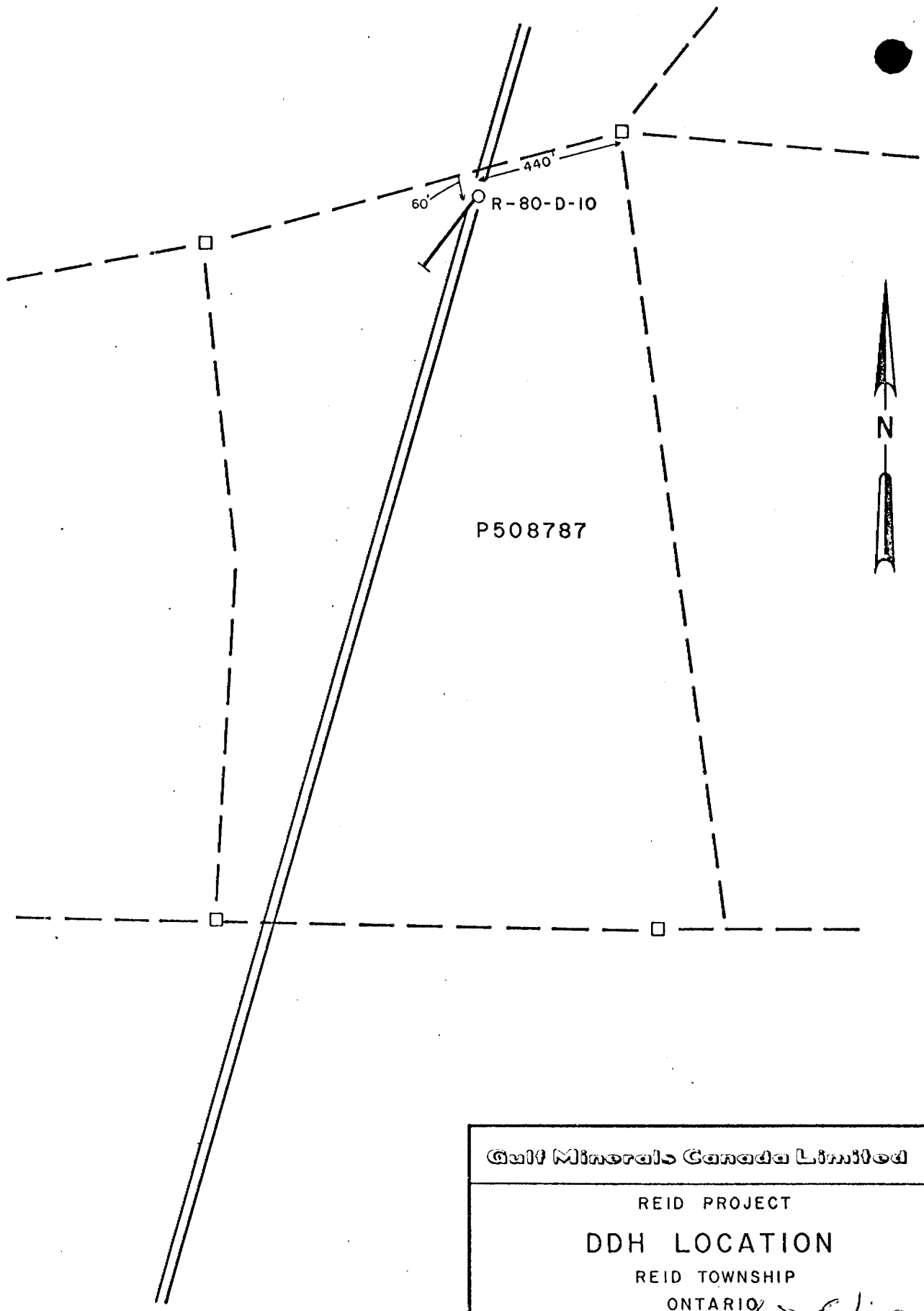
ELEVATION | DEPTH 453' | LOGGED BY J. Wayne Burket

Verified by [illegible]

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	250'	OVERBURDEN				
250	337	Rhyolite Ash Tuff Grey, olive green in colour Banded with banding defined by Sericite. Chlorite often present along fractures. Porphyritic with Quartz and feldspar phenocrysts. Quartz veins are present throughout. A crude "augen" texture is present in sections where Sericite and chlorite "wrap" around quartz and feldspar phenocrysts. 269' foliation C.A. 50° 306' foliation C.A. 55°				
337	372	Rhyolite Ash Tuff Light grey in colour this unit exhibits occasional lapilli fragments, elongated, with long diameter up to 1.5 cm. These lapilli are within a Sericitized, chloritized ash matrix Chlorite occurs more commonly than				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
407	411	Lost Core				
411	453	Rhyolite Lapilli Ash Tuff See 372-407 More sericitized from 426' to 453'. 412' Foliation C.A. 50° 431' Foliation C.A. 60°				
453		END OF HOLE				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		in previous unit. Chlorite with Sericite defines the foliation exhibited by the unit. As well, chlorite occurs along cross cutting veinlets.				
		Quartz veins are present at: 355.5', 356', 359'				
		Chloritization is more intense in the immediate vicinity of these quartz veins.				
		A highly Chloritized section occurs from 339'-340'				
		Near the base of this unit fragment size increases with lapilli reaching 3 cm. in diameter				
		352' foliation C.A. 50°				
372	407	Rhyolite Lapilli Ash Tuff				
		Grey, Quartz and feldspar porphyritic				
		Less altered than previous unit but Sericitization is still evident				
		Chlorite occurs along fractures				
		398'-398.5' Grey, dull green fine grained massive rhyolite bomb				
		400'-400.5' Rhyolite bomb similar to 398'-398.5'				



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

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Gulf Minerals Canada Limited

PROJECT Reid

HOLE R-80-D-11

LOCATION Reid Twp, Grid D
LATITUDE 35+75S
DEPARTURE L 20+00E
ELEVATION

CLAIM P.5064/56
AZIMUTH 205°
DIP -55°
DEPTH 471'

CORE SIZE AQ
STARTED Oct 12/80
COMPLETED Oct. 18/80
LOGGED BY J. Wayne Pickett
Ver. Feed

TESTS 250' -58°
469' -57°

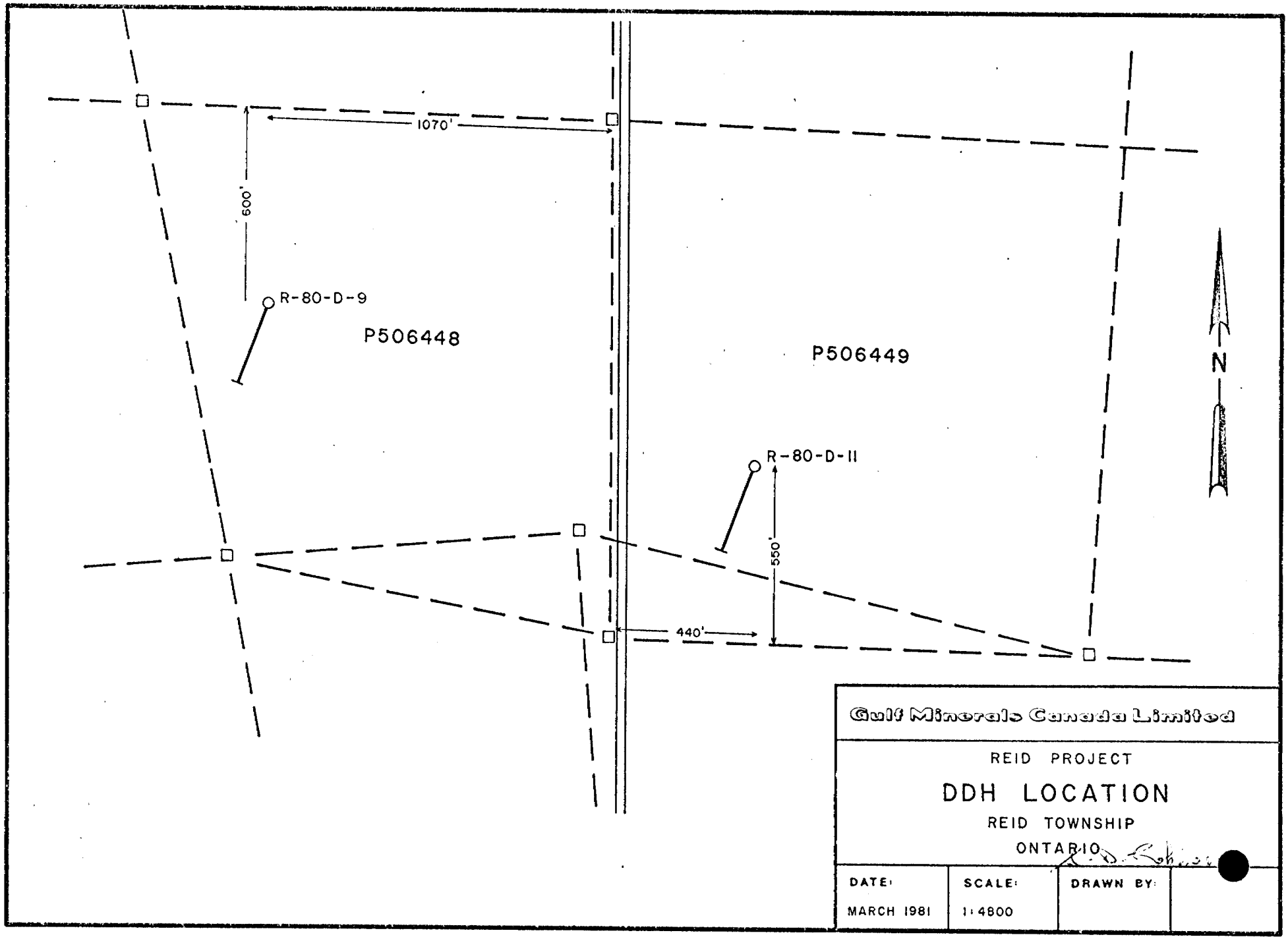
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	222	Overburden				
222	254	Graphitic Argillite Black to dark grey green in colour. Unit is fractured and foliated with graphite occurring in fractures as well as comprising irregular, contorted beds Graphite content varies with some sections being highly chloritic Pyrite is present throughout and may comprise ≤5% of the rock Quartz veins and veinlets are common throughout. Pyrite is again present in the Quartz veins 252'-254'. Graphitic gouge zone				
254	258	Quartz Vein Vein is pyrite bearing and contains chlorite and graphite filled fractures.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
258	261	Graphitic Argillite Black, fine grained occasionally foliated with ~5% pyrite Blue grey Quartz feldspar chlorite veinlets occur throughout				
261	295	Ultramafic Light grey to dark green Serpentinized talcose, Foliated Occasionally present are remnant chrysotile veinlets 264' Quartz Vein 267' Foliation C.A. 42°				
295	471	Serpentinized Talcose Ultramafic Light grey to dark green in colour Appears brecciated in sections due to presence of numerous talcose feldspathic serpentine veinlets, Occasionally contains remnant chrysotile veinlets Occasional pyrite cubes up to 0.5 cm. in diameter occur in the unit 306' 1" thick Quartz vein 320' 0.5" thick Quartz vein				

GMCL 1070

HOLE R-80-D-11 PAGE 3 OF 3

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.			
		366'-406' darker in colour extremely rich in serpentine, less talcose "soapstone".							
471		End Of Hole							



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

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PROJECT Reid

HOLE R-80-D-12

LOCATION Reid Twp. Grid D
CLAIM P.506453
CORE SIZE AQ
TESTS 275' -58°
540' -60°

LATITUDE 38+75 S
AZIMUTH 205°
STARTED October 20, 1980

DEPARTURE L68+00 E
DIP -55°
COMPLETED November 2, 1980

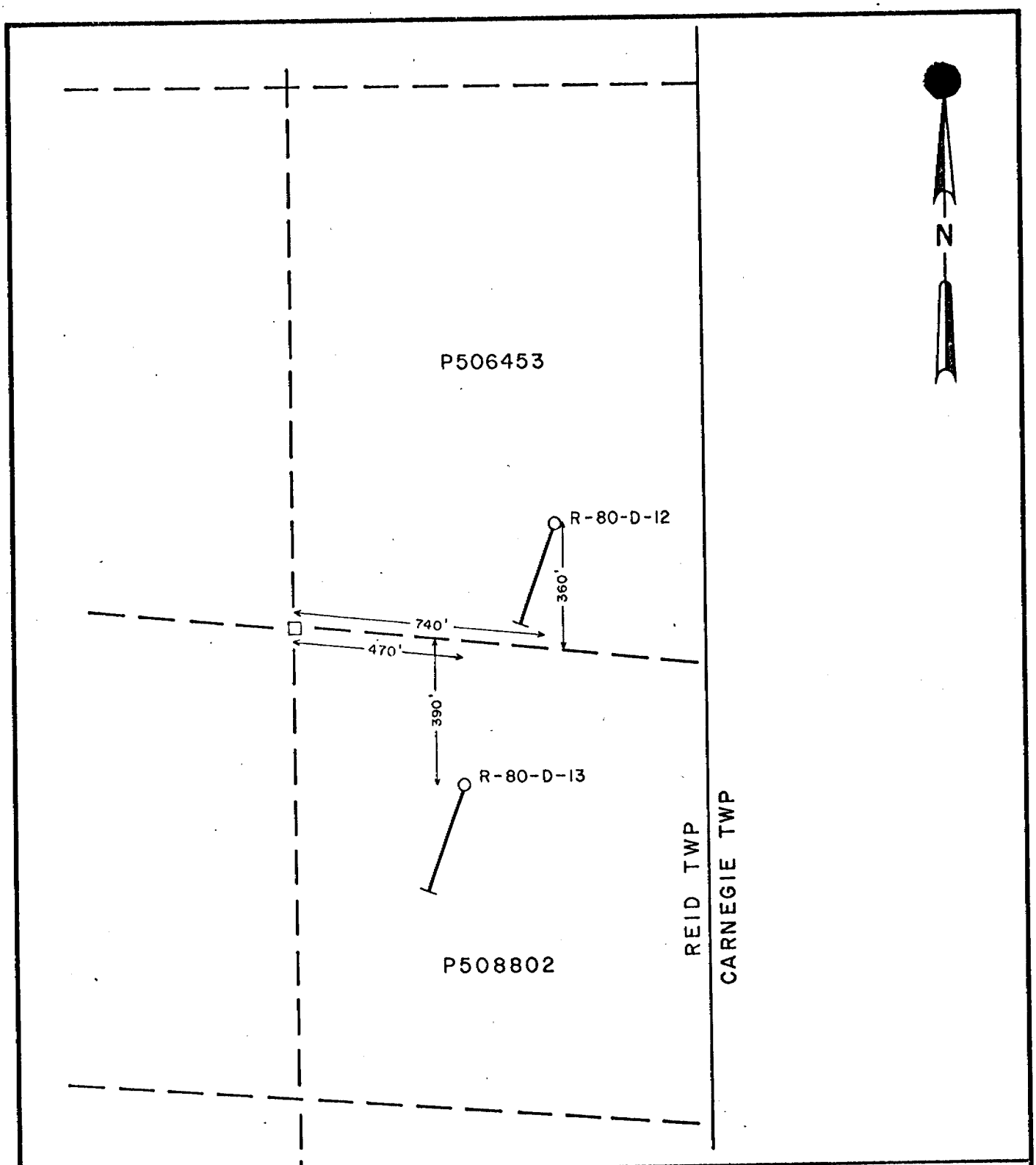
ELEVATION
DEPTH 544'
LOGGED BY J. Wayne Puckett
Verified by J. D. Robinson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	248	Overburden				
248	257	Altered Mafic Volcanic Dark green, foliated, fine grained Highly chloritized and Slightly Radiolarized 248-254 1 foot lost core 254-257 2.5 feet lost core				
257	296	Lost Core				
296	322	Altered Mafic Volcanic Light green, intensely altered chloritized and Radiolarized Rock is very soft due to intense Radiolarization Chlorite veinlets outline possible brecciation 296'-304' 7 ft lost core 304-312 5 ft lost core 312-322 6 ft lost core	G3326	320	322	2.0

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
322	357	Graphitic Argillite				
		Black, fine grained, foliated highly graphitic				
		Up to 5% pyrite with pyrite occurring as elongated, rounded lenses generally parallel to the foliation				
		354' Foliation C.A 45°				
		322-328 5 ft. lost core	G3327	322	334	12.0
		328-330 1.5 ft lost core				
		330-334 3.75 ft lost core				
		334-340 5.5 ft lost core	G3328	334	340	6.0
		340-347 6.5 ft lost core	G3329	340	347	3.0
		347-353 5.5 ft lost core	G3330	347	353	6.0
		353-357 3 ft lost core	G3331	353	357	4.0
357	365	Metasomatized Graphitic Argillite				
		Black in colour with ~5-10%	G3332	357	359	2.0
		of the rock composed of chrysotile	G3333	359	361	2.0
		veinlets up to 0.25" in thickness	G3334	361	363	2.0
		These veinlets are presumably due	G3335	363	365	2.0
		to ep precipitation from upward migrating solutions from the ultramafic below				
		again lenses of pyrite comprise 5-10% of the rock				
		Also occurring throughout this unit is a black, relatively soft mineral with dull lustre Chalcocite?				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		361'-367' 2 ft lost core				
365	383	Graphitic Argillite				
		See 322'-357'				
		365'-367' ~1% malachite occurs parallel to foliation	G3336	365	367	2.0
		382 Foliation C.A. 35°	G3337	367	370	3.0
		361-367 2 ft lost core	G3338	370	372	2.0
		367-370 1 ft lost core	G3339	372	376	4.0
		370-376 2 ft. lost core	G3340	376	380	4.0
		376-383 5 ft. lost core	G3341	380	383	3.0
383	397	Graphitic ARGillite Plus Serpentinized Ultramafic				
		Intermixed black graphitic argillite and dark green talcose serpentinized ultramafic				
		383-386 2 ft lost core	G3342	383	392	9.0
		386-390 3 ft lost core				
		390-392 1.5 ft lost core				
		392-397 4 ft lost core	G3343	392	397	5.0
397	417	Serpentinized Talcose Ultramafic				
		White talcose veinlets transect dark green serpentine				
		Minor 2 to 3 inch sections of pyritiferous graphitic argillite eg. at 416'.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		397 - 407 8 ft lost core	63344	397	407	10.0
		407 - 412 4 ft lost core	63345	407	417	10.0
		412 - 417 4 ft lost core				
417	451	Serpentinized Ultramafic				
		Very dark green Serpentinized to	63346	417	421	4.0
		extreme ("Soapstone")	63347	421	423	2.0
		~ 10% tale, Serpentine remlets				
		Occasional dissiminated Pyrite				
		417 - 428 foliated				
		428 Foliation C.A. 50°				
		417 - 421 1 ft lost core				
451	537	Serpentinized Talcose Ultramafic				
		Dark green to white in colour.				
		~ 50% white talcose chrysotile veins				
		and "Lilebs" give rock a mottled				
		appearance				
		Rare dissiminated Pyrite				
537	544	Serpentinized Ultramafic				
		See 417 - 451				
		Noted minor Antigorite throughout				
		542' foliation C.A. 45°				
544		End of Hole				



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REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

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GMCL 1069

Gulf Minerals Canada Limited

PROJECT Reid

HOLE R-80-D-13

LOCATION Reid TWP, Grid D
CLAIM P. 508802
CORE SIZE A Q
TESTS 200' -60°
400' -57°
600' -56°

LATITUDE 45+50 S
AZIMUTH 205°
STARTED November 1, 1980

DEPARTURE L68+00 E
DIP -55°
COMPLETED Nov. 6, 1980

ELEVATION
DEPTH 602
LOGGED BY J. Wayne Puckett
Verified by S. D. Johnson

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
0	165	Overburden				
165	250	Basalt Dark green, medium grained, chloritized massive basalt. Recognizable feldspar and chloritized mafic minerals. 181 Quartz vein 194-196 Quartz carbonate vein with Chalcopyrite and pyrrhotite veinlets Other chlorite, carbonate veins occur to a minor extent				
250	298	Ultramafic Green-grey, medium grained highly chloritized and carbonatized Occasional disseminated Pyrrhotite along fractures Occasional Quartz veins Sheared, foliated from 287-298 293' Foliation C.A. 35°				

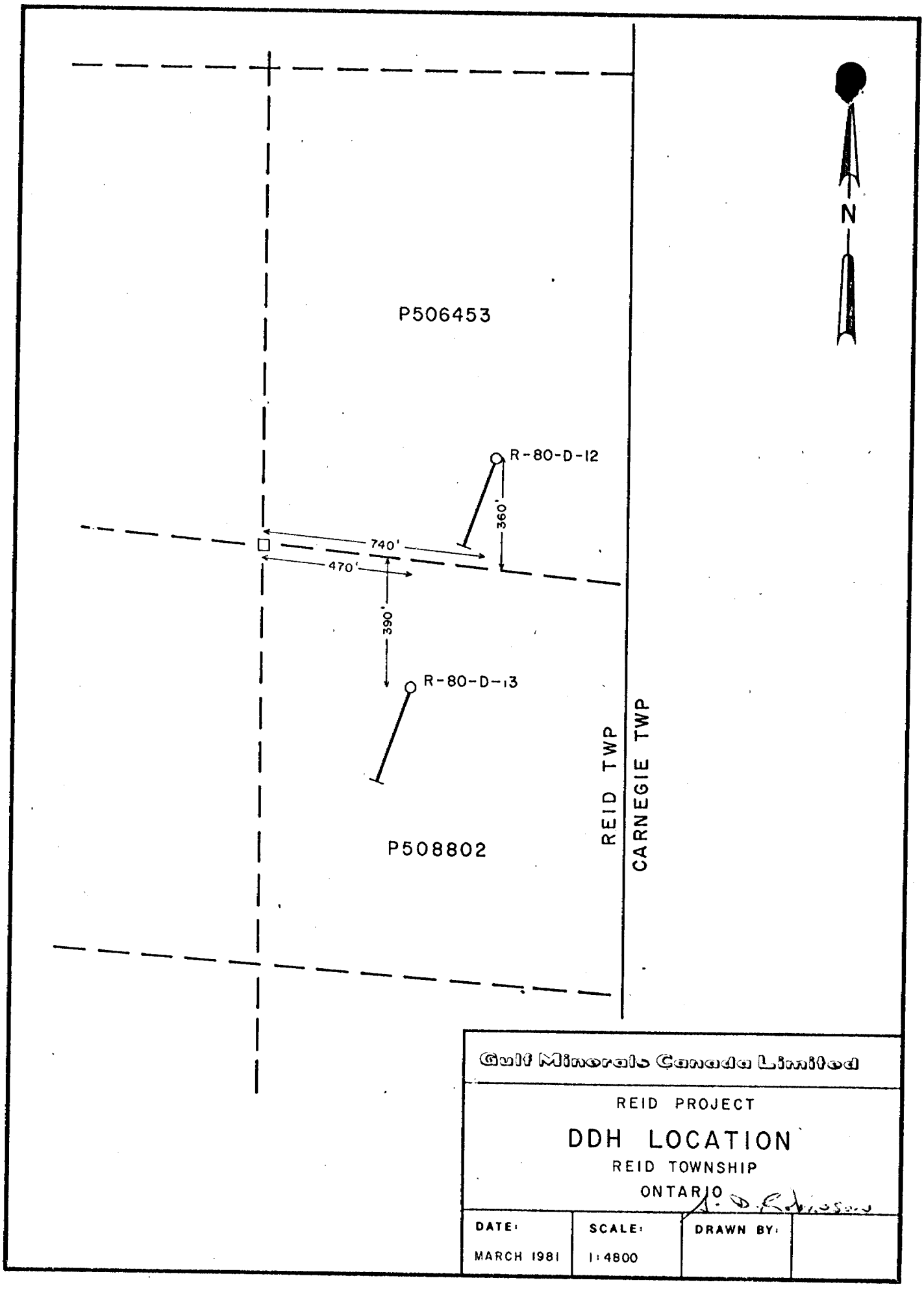
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
298	307	Graphitic Andesite/Basalt breccia				
		Green-grey, chloritized, irregular fine-rounded andesite/basalt fragments	G3361	298	300	2
		occur in a chlorite, graphite matrix.				
		Rock is foliated with Quartz veins				
		occurring at random				
		Disseminated pyrite, pyrrhotite veinlets				
		comprise up to 5% of the matrix				
		298' 2 inch thick Quartz vein, pyrite				
		is disseminated throughout upper section				
		of vein				
		307' 0.5 inch thick pyrite vein in				
		larger Quartz graphite vein				
		300' Foliation C.A. 35°				
307	322	Brecciated. Ultramafic				
		Grey-green, medium grained, chloritized	G3363	311	313	2
		and carbonatized	G3364	321	322	1
		Quartz, pyrite, pyrrhotite and pyrrhotite				
		veinlets often fill interstices of brecciated				
		sections				
		Pyrite/pyrrhotite ~ 60/40				
322	328	Cherty Graphitic Argillite				
		Unit is black in colour, brecciated				
		foliated with Quartz veins throughout				
		Disseminated sulphides occur occasionally				
		327' Foliation C.A. 35°				
		Foliation is minor folded in sections				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
328	342	Ultramafic				
		Similar to 307-322 but less brecciated	63367	338	340	2
		Disseminated Pyrite and pyrrhotite occurs in chlorite fractures				
342	345	Cherty Graphitic Argillite				
		See 322'-328'				
		Pyrite veinlets throughout				
		Foliation vary from ~10°-35° C.A.				
345	346	Ultramafic				
		See 328'-342'				
346	372	Andesite Breccia				
		Green-grey chloritized sub-angular mafic to intermediate volcanic fragments in a black cherty chloritic matrix				
		Quartz veins and veinlets are ubiquitous				
		Fragments vary from 0.5" to 3" in diameter				
		355'-357' Py. and Po. in chlorite veinlets filling breccia interstices	63369	355	357	2
		366.5-369.5 Po. in chlorite filled breccia interstices	63371	366.5	368	1.5
			63372	368	369.5	1.5
372	397	Brecciated Andesite				
		Green grey, medium grained chloritized and carbonatized				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		Chlorite and minor graphite fill interstices between brecciated fragments Feldspar phenocrysts throughout				
		380-397 Amygdaloidal, calcite filled Calcite veinlets also present at random Minor epidote also noted in fractures				
397	409	Basalt Breccia				
		Green-gray, brecciated, chloritized.				
		Alignment of brecciated fragments ~ 30° relative to core axis				
409	429	Brecciated Andesite				
		See 372 - 397				
		417-419 Pyrrhotite and minor chalcopyrite in Chloritized breccia interstices	G3377	417	419	2
429	440	Andesite Breccia				
		See 346-372				
		433-434 Pyrite in breccia interstices	G3378	433	434	1
		438-439 Disseminated Pyrrhotite and po. veinlets in Chlorite graphitic breccia interstices.	G3379	438	439	1
		438' 3" thick tuffaceous section				
		438' Bedding C.A. 50°				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
440	465	Brecciated Andesite				
		See 372-397 (456' Foliation C.A. 40°)				
		443.5 - 445 Po & Py in chloritized breccia interstices	G3380	443.5	445	1.5
		459.5 - 460.5 Po & Py. in Quartz, chlorite filled breccia interstices	G3382	459.5	460.5	1
465	487	Basalt breccia				
		Green grey chloritized basalt and andesite Sub-angular fragments in a chlorite slightly graphitic matrix Pyrrhotite, pyrite and rarely Chalcopyrite occur as veinlets, dessiminations and occasionally as Sub-rounded to Sub-angular fragments. Volcanic fragments vary from 0.5 cm. to several cm. in diameter. Pyrite and pyrrhotite may reach 10% of the rock in this unit				
		467-469 Po + minor cp in breccia matrix	G3383	467	469	2
			G3384	470	471	1
		478-479 Po. and minor Chalcopyrite in chloritized breccia matrix	G3385	478	479	1
		480-481 Po. in brecciated dacite	G3386	480	481	1
		482-484 Py & Po. in chloritized graphitic brecciad interstices	G3387	482	484	2
		485-487 Py. & Po. in chloritized brecciated dacite	G3389	485	487	2
		473' Breccia fragments oriented 30° C.A.				

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	INT.
		479' 2 in. wide pyrhotite vein				
487	520	Brecciated Basalt				
		Less brecciated than previous unit but otherwise similar				
		493.5 - 496 Po & Py in chloritized brecciated dacite	G3390	493.5	496	2.5
			G3391	501	502	1
		501 - 502 as from 493.5 - 496	G3392	506	507	1
		506 - 507 as from 493.5 - 496				
		509 - 510 as above	G3394	509	510	1
		517.5 - 518.5 as above	G3395	517.5	518.5	1
520	602	Andesite				
		Green-grey, medium grained, generally massive with occasional chloritized feldspar phenocrysts.	G3396	520	521	1
		~570 - 602 almost more siliceous Dacite				
602		End Of Hole				



Gulf Minerals Canada Limited

REID PROJECT

DDH LOCATION

REID TOWNSHIP

ONTARIO

DATE:	SCALE:	DRAWN BY:	
MARCH 1981	1:4800		