

DIAMOND DRILLIN

AREA: DOGPAW LAKE

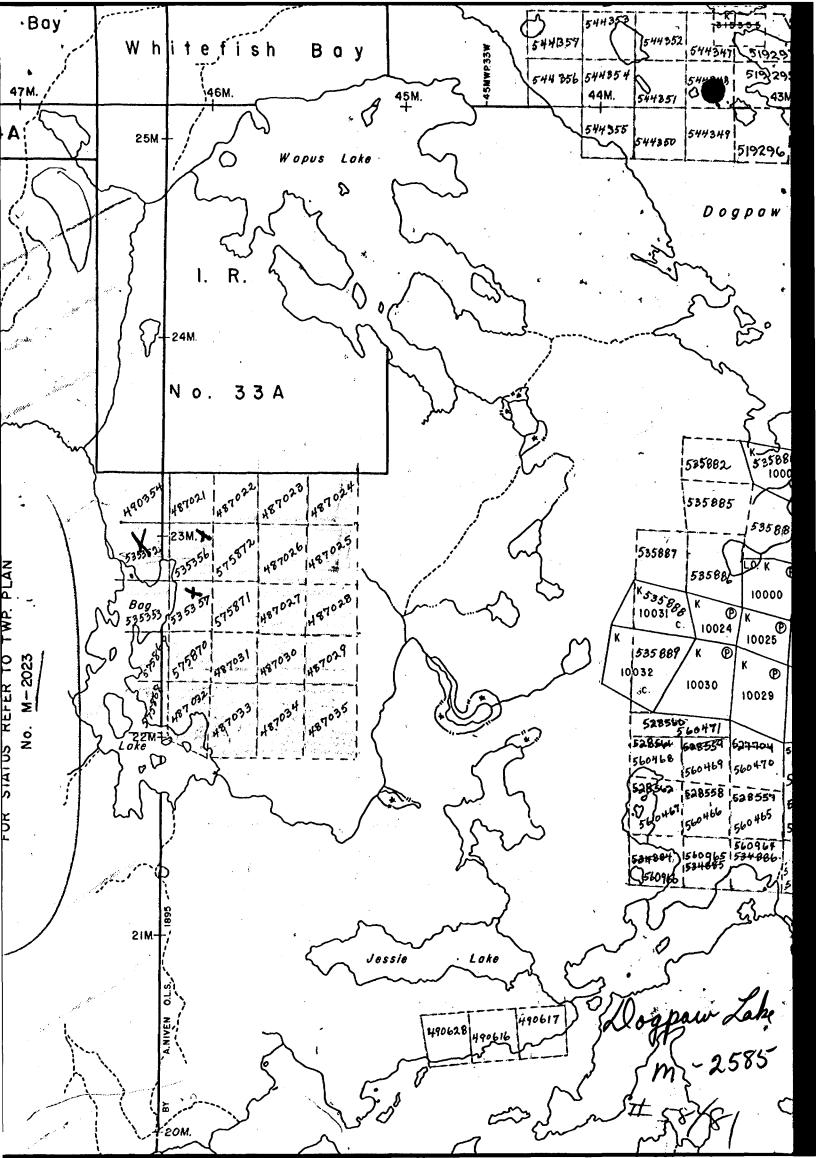
REPORT No.: 35

WORK PERFORMED BY: GULF MINERALS LTD.

CLAIM No.	HOLE No.	FOOTAGE	DATE	Note
К 535352	1	150.6m	Oct/80	(1)
	9	120.3m	Nov/80	(1)
К 535356	2	153.6m	Oct/80	(1)
	3	153.6m	Oct/80	(1)
	4	153.6m	Nov/80	(1)
	5	59.7m	Nov/80	(1)
	6	90 • Om	Nov/80	(1)
К 535357	7	87.Om	Nov/80	(1)

Notes:

(1) #58 -81



DIAMOND DRILL HOLE DATA BAG LAKE PROJECT

Contractor: N. Morissette Diamond Drilling

P.O. Box

Haileybury, Ontario

Drilling Dates: October 19 to November 16, 1980

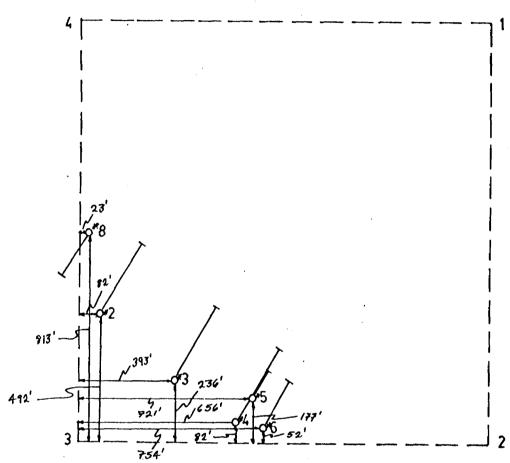
Core Size: BQ (1 7/16")

Hole No.	Claim No.	Date	Depth	Orientation
1	K 535352	Oct. 20-23/80	150.6 m	collar: 040°/45°(azimuth/dip)
2	K 535356	Oct. 25-27/80	153.6 m	collar: 040°/45°
3	K 535356	Oct. 29,30/80	153.6 m	collar: 040°/45°
4	K 535356	Nov. 2-4/80	153.6 m	collar: 040°/45°
5	K 535356	Nov. 5,6/80	59.7 m	collar: 040°/45°(azimuth/dip)
6	K 535356	Nov. 7,8/80	90 m	collar: 040°/45°
7	K 535357	Nov. 9-11/80	87 m	collar: 040°/45°
8	K 535356	Nov. 13/80	90 m	collar: 220°/45°
9	K 535352	Nov. 14,15/80	120.3 m	collar: *220°/45°
)	058.4	



REPORT OF ASSESSMENT WORK

D.D.H. LOCATION SKETCH



Mining Claim NovK 535356

Mole No. or Name: 2,3,4,5,6,8

Province: Ontario

Location: Bag Lake

REPORT OF ASSESSMENT WORK D.D.H. LOCATION SKETCH

Mining Claim No.K535357

Hole No. or Name: 7

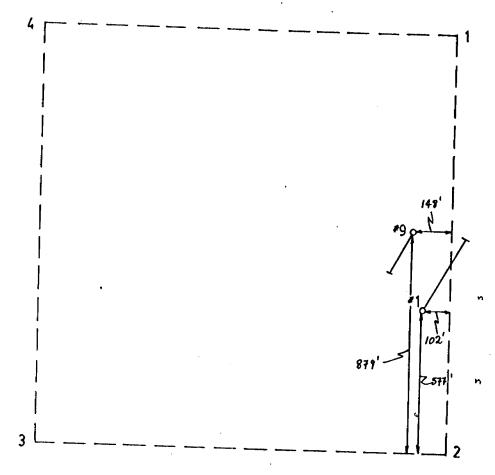
Province: Ontario

location: Bag Lake

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REPORT OF ASSESSMENT WORK

D.D.H. LOCATION SKETCH



Mining Claim No.K535352

Mole No. or Mame: 1,9

Province: Ontario

Location: Bag Lake



PROJE	CTA	Area 49 Diamond Drilling					HOLE	No. 1	
LOCATIO LATITUD DEPARTO ELEVATI	IRE LON L	DE 45 M S CLAIM NO. 535352 AZIMUTH N40°E (40°) Grid N STARTE DIP Collar Minus 45° COMPLE Lake Level + 1 M DEPTH 150.6 Metres LOGGEO DESCRIPTION	SIZE	BQ 20 Oct. 1980 23 Oct. 1980 R.B. Allen			TESTS	Acid:	45° CRO ^M 38° @ 150 M
FROM	10	DESCRIPTION	Ś	AMPLE	FROM	ТО	INT.		
M	М	All measurements shown in metres							
0	2.1	Casing (pulled)				_			
2.1	13.8	Andesite, basic, regional schistosity and jointing. Spa quartz stringers. Contact 18.8 sheared 70° c.a. 4 cm.							
18.8	25.8	Siliceous felsite, locally quartz porphyry, gradational							
		Fresh, shows jointing only. Boundaries vague.					,		
25.8	30.8	Andesite, silicified, very fine grain. Traces of heal schistosity. Minor slips 70° c.a. especially near	ed						
		contact.						<u>-</u>	
30.8	3:8	Felsite as 18.8-25.8. Fresh, jointed, indistinct contacts.							
35.8	50.8	Felsite, porphyritic. Dull brown colour, phenocrysts small. Joints only, solid, hard, fresh - appearing.	1						
		Local traces pyrite, no sharp boundaries.	1						
50.8	75.5	Basic dyke, basaltic, or contact-altered volcanic. Aphanitic, hard, uniform. Green to black. Traces of		·					
	<u></u>								

HOLE NO. 1 PAGE 2 OF 2

FROM	то	DESCRIPTION	SAMPLE	FROM	то	INT.	<u> </u>		
		50.8-75.5 (cont'd)							
		healed schistosity, local jointed, minor slips. Locally							
		spotted with ovoids up to 15 mm, apparently segregations.							
75.5	95.5	As foregoing (50.8-75.5) but 10% white qtz. stringers							
		irreg. generally 45° c.a. Local traces tourmaline,							
		amethyst, epidote on stringer-margins. Segregation-							·
		spotting continues. Local traces pyrite-pyrrhotite.							
		Local threads epidote. Sudden change, no defined							
		contact.							
		•							·
95.5	150.6	As 50.8-75.7, basaltic dyke or meta-volcanic ovoid							
		spotting continues, locally suggest resorption of pheno-							
		crysts (prob. feldspar). Coarser grain sub-dioritic, near					·		
		bottom. Local threads quartz or epidote, local traces							
		pyrite.				٠			•
								-	
		End of Hole 150.6 metres (497 ft.) recovery > 95%							
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PROJE	СТ	Area 49 Diamond Drilling				но	LE	No. 9	9	
LOCATIO	N	CLAIM No. 535352 CORE SIZE 0+20N AZIMUTH S40°W = Grid S STARTED 0+60W DIP Collar Minus 45° COMPLETED	BO	Nov. 1	.980	TES	TS	Acid At 1	Tube 20, 42°	
ELEVATI	on At ed	Lake Level + 1.6 M DEPTH 120.3 M (397 ft.) LOGGED BY ge of Bayhead Swamp Bag Lake	R_J	NOV. 1	n 7/7-					
FROM	CT	DESCRIPTION Measurements in Metres	SAMPLE	FROM	ТО	INT.				
0	3.3	Casing (pulled)								
3.3	45.2	Basic dyke: dk. green or black, hard, uniform, aphanitic.								
		Composition not determinable. Few joints only. Quartz	<u> </u>							
		carbonate stringers, irregular, wispy and at all angles	<u> </u>							
		15% of core. Pyrite noted locally: euhedral in dyke,							·	
		granular threads in stringers.								
										_
45.2	47.3	Felsite breccia: Resembles chert or unglazed china.								
		Angular pieces to 3 cm. Matrix basic as if dyke material.								
47.3	120.3	Basic dyke, as 3.3 - 45.3, but with mottled colour, green								
	·	to dark green, local ovoids up to 20 mm, presumably								
		resorbed phenocrysts or segregations of feldspar. Quartz		<u> </u>						_
		carbonate stringers throughout, 15%-20% of core, locally								
		with pyrite granules or epidote threads, all angles core					<u></u>			
		homogeneous, hard, jointed only.								_
							·			_
120.0		End of Hole (397 ft.) recovery >95%					,			_
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ROJE	CT	Area 49 Diamond Drilling				HOLE _	No. 2			
CATIO	ON .	Bags Lake Grid CLAIM No. 535356 CORE SIZE	BQ			TESTS	Acid-Tube			
TITUE	DE	0+45 M S AZIMUTH N40°E: Grid N STARTED	25 (Oct. 19	980		At 100 ft. 45° 30 M			
PART	URE	0+45 M S AZIMUTH N40°E: Grid N STARTED 60+00E DIP COllar Minus 45° COMPLETED	27 (Oct. 19	980		At 507 ft. 40' 153 !			
LEVAT	10 N	Lake Level + 10.6 M DEPTH 153.6 M (507 ft.) LOGGED BY	R.B	. Allei	3					
	T		101							
FROM	то	DESCRIPTION	SAMPLE	FROM	то	INT.				
0	1.8	Casing (pulled)								
1.8	5.2	Siliceous felsite, small phenocrysts feldspar. Core	<u> </u>							
	<u> </u>	broken, rusty on joints (surface weather) contact								
		intrusive 30° c.a.	ļ							
5.2	40.9	Andesite (meta), regular regional schistosity,quartz								
		stringers 45° c.a. (along core 10-12) core broken angular								
		7-8, 30-31, jointing. Minor shear 36 white quartz 50%								
		38-39. Abrupt contact 60° c.a., healed strip.								
	15 5	Felsite with andesite sections irreg. siliceous, unbroken								
10.3	43.3	vague banding 45° c.a. vague contacts.								
		vague banding 45 C.a. vague contacts.								
45.5	30.6	Basic dyke or recrystallized volcanics, aphanitic, spotted				•				
		locally (segregations?) green-black, uniform, few breaks				·				
		jointed local epidote threads or quartz stringers abrupt								
	<u> </u>	unbroken boundary.					<u> </u>			
80.6	97.6	Felsite, siliceous, green, vaguely banded stringers quartz								
		70 c.a. jointed. Minor slips, quartz-tourmaline 2 cm								
		97 local traces pyrite.								
<u></u>	<u> </u>									
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	1	i e e e e e e e e e e e e e e e e e e e	s ?		1	1	1 1			

HOLE No. 2 PAGE 2 OF 2

FROM	то	DESCRIPTION	SAMPLE	FROM	то	INT.	 	
97.6	110.6	Diorite or meta-andesite. Dark green with ovoids or						
37.0	110.0	clusters (rosettes) of white feldspar. Core solid, few						
		joints. White quartz veinlet 108. Abrupt, fused contact.						
		joints. white quartz verniet 100. Abrupt, fused contact.						
110.6	117.9	Felsite as 80.6-97.6, some short diorite sections,					 	
		locally 50% of core. Core solid, joints sparse. Quartz						
		50% 117.3-117.9.						
117.9	151.8	Quartz porphyry, locally felsite non-porphyritic,					-	
		aphanitic groundmass. Core unbroken, uniform appearance.						
		Few minor joints. Qtz. veinlets at 124, 129, 130, 131,						
		139, 142. Fused contact 151.8.						
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151.8	153.6	Basic dyke, aphanitic. Local traces pyrite, no					 	
		structures.						
		Hole ended 153.6 metres (507 ft.) recovery > 95%					 	·
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PROJE	ст	Area 49 Diamond Drilling				н	OLE	No.	3
LOCATIO LATITUD DEPARTO ELEVATI	JRE	CLAIM No. 535356 CORE SIZE 0+45 S AZIMUTH N40E Grid N STARTED 1+80E DIP Collar Minus 45° COMPLETED Lake Level + 40 ft. DEPTH 153.6 M (507 ft.) LOGGED BY Or + 12.1 M B.L. at 1+80E is 10° M above Lake	BQ 29 (30 (R.B	Oct. 19 Oct. 19 . Allen	80 80 (C/)	TE	Level	Acid At 3 At 1	Tube 0 M 45° 53 M 39° M above Lake
FROM	70	DESCRIPTION Measurements in Metres	SAMPLE	FROM	то	INT.			
0	2.4	Casing (pulled)							
2.4	56.4	Metagabbro: Coarse grain (5 mm+) but local fine sections							
		Uniform dark green, grains sometimes grouped in florets.							
		Jointing only angular breaks 35-36. Quartz stringers							
		37-40.							·
56.4	63.3	Quartz porphyry, felsite sections, local inclusions or							
		sections andesite up to 40% core. Boundaries caustic,							
		vague. Jointed only local quartz veinlets and traces							
		pyrite. Sampled continously in metre lengths.				:			•
63.3	78.2	Andesite 80% quartz porphyry 20% boundaries causting,							
		vague, obscure banding 60° c.a. variable. General				•			
		distribution wispy quartz stringers.							
78.2	87.9	Quartz porphyry, with cherty aphanitic sections, local							
		traces sericite. Few breaks, core uniform, boundary							
		sharp, unbroken. Sampled continuously in metre lengths.							
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HOLE No. 3 PAGE 2 OF 2

FROM	то	DESCRIPTION	SAMPLE	FROM	то	INT.	г		
87.9	123.3						 		
07.9	123.3	Basic dyke or recrystallized andesite: aphanitic,					<u> </u>		
		jointed sparsely. Core uniform and solid.					ļ		
107	100.4		 						
123.3	129.4						 -		
		quartz porphyry in short sections, cherty groundmass.	 						
		Traces sericite. Unmineralized. core solid.							
		•						<u> </u>	
129.4	153.6	Basic dyke or metavolcanic as 87.9-123.3 core few joints,							
		otherwise solid. Quartz-carbonate veinlets up to 10%							
		of core 129-132, 138-141.							
153.6		End of Hole (507 ft.) recovery >95%							
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CATION	CLAIM NO. 535356 CORE SI	E BO			TE	STS	Acid	Tube
TITUDE PARTURE EVATION	CLAIM No. 535356 CORE SIZE O+45 S AZIMUTH N40E = Grid N STARTED 2+70E DIP Collar Minus 45° COMPLET 9 M above Lake DEPTH 153.6 M (507 ft.) LOGGED This hole, in section with and below No. 5, passes below pit	2 No 4 No R.B son B.L	2 Nov. 1980 4 Nov. 1980 R.B. Allen			Lake	At 30 M 45° At 507 ft., 153 M 40	
ROM T	TO DESCRIPTION Measurements in Metres	SAMPLE	FROM	то	INT.			
0 1	1.8 Casing (pulled)							
.8 59	9.4 Metagabbro med. grain 3 mm locally fine, probably altered	<u> </u>	<u> </u>					
	volcanics, but basic. Joints constitute most of fracturing, notably 15-20, 33-35. Wispy qtz-carb.		 	 				
	stringers 10% of core 20-26, 34-39, 51-54 new structure							
	(breccia seams with minor pyrite). Qtz. veinlet 5 cm							
	at 55.							
	Core sampled entirely 58.5-77.5, metre lengths							
9.4 77	7.5 Quartz-porphyry (locally felsite), with sections metande-							
	site 1 to 3 metres wide, in all 60% porphyry. Local							
	brecciation, with minor pyrite: No percentage can be		ļ					
	given for pyrite present: irreg. occurrences core mostly	<u></u>						
	solid, sparse joints: contacts sharp, unbroken, often		<u> </u>	 -	·		 	
	irregular.		 				 	
	-		 -				 	
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HOLE NO. 4 PAGE 2 OF 2

FROM	TO	DESCRIPTION	SAMPLE	FROM	то	INT.			
		59.4-77.5 (cont'd)							
77.5	117.3	Metagabbro: uniform, solid, black with green rosette-like							
		porphyoblasts, chlorite-hornblende (?). Local sections							
		resemble metandesite.							
117.3	124.2	Metagabbro as above, no metandesite.					 		
							 ļ		
124.2	133.0	Metagabbro, cherty sections 40% of core, resemble							
		rhyolite. Core unbroken.					 		
133.0	142.4	Metandesite, with cherty sections as above. Flow breccia?							
		Core solid, no breaks.					 ļ		
142.4	153.6	Quartz Porphyry: Groundmass cherty with local healed							
		shears 5-10 cm wide. Sometimes sericitic. Core solid.					 	·	
		unbroken. Identification uncertain. No mineral noted.							
153.6	M	End of Hole (507 ft.)					 <u> </u>		
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PROJE	ст <u>.</u>	rea 49 Diamond Drilling				но	LE	No	5
LOCATIO	N	CLAIM No. 535356 CORE SIZE	BQ			TES	STS	Acid	Tube
LATITUD	ε(CLAIM No. 535356 CORE SIZE OHS AZIMUTH N40E = Grid N STARTED	5 No	ov. 198	30			At 59	.7 M 44°
DEPART	JRE	+70E DIP Collar Minus 45° COMPLETED	6 No	ov. 198	30				
ELEVATI	ON	2+70E DIP Collar Minus 45° COMPLETED CAKE Level + 10 M DEPTH 59.7 metres (197 ft.) LOGGED BY	R.B	. Aller	1 EX	Lill-			
<u> </u>	On s	ection with No. 4 and above passes below pit on B.L. O.5 m	above o	collar	1	· ·			
FROM	то	DESCRIPTION	SAMPLE	FROM	ТО	INT.		,	
0	1.2	Casing (pulled)							
			<u> </u>						
1.2	17.9	Metandesite, few patches metagabbro. Joints and rusty							·
		slips at 5.5 and 7.3. Irregular wispy stringers quartz							
		locally 30% of core.							
			<u> </u>						
17.9	27.3	Felsite, cherty (fine, siliceous) possibly, meta-rhyolite,							
		probably granitic. Local quartz seams, brecciated with							
		pyrite: Irregular distribution. Short sections metande-							
		site (20% of core) with minor pyrite, crystalline in part.							
		Sampled entirely in metre lengths 17.5-27.5 passes under							•
		BL at 22 m.							
		•							
							· · · · · · · · · · · · · · · · · · ·		
							<u></u>		
27.3	40.9	Metandesite, locally dioritic, uniform appearance, solid							
		core, joints only.							
40.9	43.0	Felsite, cherty, brecciated, minor pyrite.							
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HOLE No. 5 PAGE 2 OF 2

FROM	ст	DESCRIPTION	SAMPLE	FROM	το	INT.					
43.0	59.7	Metandesite as 27.3-40.9									
59.7		End of Hole (197 ft.)									
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PROJE	CT	Area 49 Diamond Drilling	****			н	OLE	No	6	
DEPART: ELEVATI	URE	CLAIM CORE SIZ 0+30 S AZIMUTH N40E = Grid N STARTED 3+00E DIP Collar Minus 45° COMPLETE Lake Elev. + 14.2 M DEPTH 90° Metres (297') LOGGED B at 3+00 E 14.9 M Ridge Crest on BL 3+30 E at Elev. 19 M at	7 N	lov. 19 lov. 19 . Alle e Leve	80 80 n//- 1, Rid			At 9	0 M 43°	
FROM	то	DESCRIPTION Measurements in Metres	SAMPLE	FROM	то	INT.				\exists
0	1.2	Casing (pulled)		<u> </u>	<u> </u>					
1.2	54.8	Metandesite, fine gr. remnant schistosity core uniform,			<u> </u>					
 		solid, joints only. 10% wispy quartz stringers through-		<u> </u>	<u> </u>					
		out, irreg. quartz veinlet 6 M widt 10 cm. Slips 24-25,		 	<u> </u>			<u> </u>		
		not mineralized. Partly silicified 48-54.8, grades to		<u> </u>						
		following.								
54.8	59.7	Felsite, siliceous, locally quartz porphyry, with 20%								
		included andesite. Local brecciation. Minor pyrite.								
		Sampled throughout.								
59.7	64.7	Metandesite as 1.2-54.8								
64.7	65.3	Siliceous felsite as 54.8-59.7 sampled			{					
65.8	90°	Metandesite as 1.2-54.8. Core unbroken, local traces								
		euhedral pyrite.								\exists
90.0		End of Hole (297 ft.) recovery >95%								\exists
		TO SEXAL LOS LANGUAGES AND	-							7
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PROJE	СТ	Area 49 Diamond Drilling				н	DLE _	No.	8	
DEPART	URE	CLAIM No. 535356 CORE SIZE O+30N AZIMUTH S40° W = Grid S STARTED O0+00E DIP Collar Minus 45° COMPLETED Lake Level + 8.2 M DEPTH 90° metres (297 ft.) LOGGED BY	13 N	ov. 19	80		STS	Acid 90.0	Tube M 43°	
FROM	10	DESCRIPTION Measurements in Metres	SAMPLE	FROM	10	INT.				
0	5.5	Casing (Pulled)								
5.5	21.1	Metandesite, remnant schistosity 45° c.a., core 10 cm	<u> </u>						•	
	ļ	lengths. 20% quartz-carbonate stringers and veinlets of	<u> </u>							
 		regional type - no sulphides noted.						<u> </u>		
	 							ļ		
21.1	24.3	Quartz porphyry: felsitic, with small white phenocyrsts,								
		uniform, solid. Local dissem. pyrite.						ļ		
								 		
24.3	67.8							ļ		_
ļ		composition uncertain. Irregular quartz carbonate						 		_
		stringers and lenticles common, locally to 20% of core.						ļ		
		Local euhedral or rounded pyrite grains easily visible								
		(to 4 mm).						ļ		
						·	· · · · · · · · · · · · · · · · · · ·	ļ		_
67.8	78.5	Quartz porphyry: felsitic, locally porphyritic. Core								
		homogeneous, with few joints. Local minor pyrite.								
78.5	90.0	Basic dyke, as 24.3-67.8, with felsite breccia locally								_
		40% of core; in a few places bands of breccia follow core								_
		axis. Local pyrite as 24.3-67.8.								
0.0		End of Hole (297 ft.) recovery > 95%						 		_
										_

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PAGE 1 OF 2

PROJE	ст	Area 49 Diamond Drilling			-	но)LE	No	7
LOCATIO LATITUD DEPARTE ELEVATI	DREON	CLAIM NO. 535357 CORE SIZE 0+30 S AZIMUTH N40E = Grid N STARTED 3+60 E DIP COllar Minus 45° COMPLETED Lake Elev. + 14.2 Mdepth 87° M (287 ft.) LOGGED BY	9 Nov. 1980 11 Nov. 1980 R.B. Allen				STS	Acid Tube 287' (87 M) 42°	
FROM	70	description Measurements in Metres	SAMPLE	FROM	то	INT.			
0	3.6	Casing (pulled)							
3.6	19.7	Metandesite, locally coarse (metagabbro?) core mostly in							
		10 cm lengths: breaks joints with few slips. Local quartz							
		stringers, irregular, no sharp change.							
19.7	25.5	As above, silicified: degree of silicification increases							
<u> </u>		with depth, grading to following core solid, coherent,							·
		hard, jointed in 10 cm lengths. Faint banding. No							
		sharp change.						<u> </u>	
								<u> </u>	
25.5	65.5	Quartz porphyry. Felsitic groundmass, small phenocrysts						ļ	
		locally abundant but variable. Light coloured, homoge-						<u> </u>	
		neous. Traces only pyrite, not concentrated or markedly							
		localized joints only recognzied. Boundaries indefinite.							
65.5	73.6	Metandesite, silicified, as 19.7-25.5					, .		
			·						
73.6	77.6	Metandesite with vague sections quartz porphyry					·		
							. <u></u>		
77.6	84.8	Quartz porph 60% - metandesite 40% vague boundaries.							·
		Brecciated, with minor pyrite as threads of grains.							
		Sampled for assay ton charge							
				l					

HOLE No. 7 PAGE 2 OF 2

FROM	TO	DESCRIPTION	SAMPLE	FROM	то	INT.					
84.8	87.0	Metandesite or basic dyke - dark green aphanitic, unbroken									
87.0		End of Hole (287 ft.)									
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