

PROPERTY REID LOT 50

DIAMOND DRILL RECORD

SHEET NUMBER 1

Badger

HOLE NUMBER 56-13TOTAL DEPTH 762.2

CO-ORDINATES COLLAR

Depth

Tube Read.

True Dip

LOCATION NewfoundlandLAT. 36°00' DEP. on Main Base Line

100'

51°00'

44°00'

LOGGED BY K. Newman

ELEVATION COLLAR

200'

47°30'

40°00'

DATE BEGUN Nov. 1, 1956BEARING S75°E

300'

46°00'

39°00'

DATE FINISHED Nov. 14/56ANGLE -45°

400'

43°30'

36°30'

500'

44°30'

37°30'

600'

43°30'

36°00'

760'

41°30'

34°30'

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0.0	13.7				<u>CASING:</u> Overburden.
13.7	17.7				<u>DIORITE:</u> Light grey to green. Medium grained. Bottom contact with volcanics below at 45° to the core.
17.7	42.6				<u>"RED" BASALT:</u> Light green to purple. Aphanitic. In places amygdaloidal. Cut by epidote and carbonate stringers. In places jasperized. Fracture cleavage 20-30° to the core. Traces of chalcopyrite in the amygdules. Brecciated at 33.3'.
42.6	68.8				<u>DIORITE:</u> Light grey. Medium grained to porphyritic. Irregular contact with above volcanics. Clusters of hornblende phenocrysts in places.
68.8	100.5				<u>"RED" BASALT:</u> Light grey to purple. Aphanitic. Brecciated at 78.9'.
100.5	102.0				<u>DIORITE:</u> Dark green. Slightly porphyritic. Rounded chloritized hornblende. Contact with "Red" basalt at 45° to the core.
102.0	148.0				<u>ANDESITE:</u> Grey to light green. Aphanitic. In places highly silicified and jasperized. Epidote in stringers and patches. Appears to have been recrystallized in places. Fracture cleavage 30-60° to the core. Traces of disseminated chalcopyrite.
148.0	157.6				<u>INTERMEDIATE VOLCANICS:</u> Light to dark grey. Aphanitic, silicified and chloritized. Fracture cleavage at 50° to

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DIAMOND DRILL RECORD

SHEET NUMBER 2
Badger
HOLE NUMBER 56-13

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					the core. Disseminated pyrite.
157.6	162.5				<u>"RED" BASALT?</u> Dark purple. Aphanitic. Cut by small quartz and epidote stringers.
162.5	250.0				<u>ANDESITE:</u> Dark green to grey. Aphanitic. Cut by small quartz stringers. Fracture cleavage at 40 to 70° to the core. Chloritized and epidotized. In places the ande-site has a very fine grained texture.
250.0	258.9				<u>ANDESITE TO BASALT:</u> Dark green to black. Aphanitic. Fracture varies from 50° to 70° to the core. Cut by irregular carbonate stringers. Chloritized. Cellular alteration texture. Traces of chalcopyrite.
258.9	265.2				<u>ANDESITE:</u> Grey to dark green. Aphanitic. In places cellular alteration texture. Chloritized. At 262.0 and 263.0 breccia healed by carbonate. Banding? at 35° to the core. Disseminated chalcopyrite.
265.2	278.7				<u>INTERMEDIATE VOLCANICS:</u> Light green to grey. Aphanitic. Fracture cleavage 40-70° to the core. Slightly silicified in places. Breccia healed by carbonate at 273.0'.
278.7	279.8				<u>ACID VOLCANICS:</u> Dark grey. Aphanitic. Contact with above volcanics almost at right angles to the core.
279.8	293.0				<u>INTERMEDIATE VOLCANICS:</u> Light green to grey. Aphanitic. In places small amygdalules of carbonate and epidote. Small rounded crystals of hornblende? altered to chlorite. Fracture cleavage varies from 70° to parallel to the core.
293.0	399.2				<u>INTERMEDIATE VOLCANICS:</u> Light green to grey with black patches. Aphanitic. Pillow structure. Cellular alteration

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SHEET NUMBER 3HOLE NUMBER Badger
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Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					texture which in places it makes up the whole of the core.
					Pillow outline of epidote and carbonate. Fracture cleavage
					30 to 80° to the core. Silicified in places. Disse-
					minated and cubic pyrite. From 394.0 to about 396°
					stringers of sphalerite associated with epidote and car-
					bonate.
399.2	404.3				<u>INTERMEDIATE VOLCANICS</u> : Light grey to greenish grey.
					Aphanitic. In places porphyritic. Corroded, chloritized
					hornblende. Fracture cleavage 30-50° to the core. Line-
					ation of phenocrysts at 45° to the core.
404.3	411.9				<u>BASALT TO ANDESITE</u> : Black to dark grey. Aphanitic. Frac-
					ture cleavage 60-90° to the core. Chlorite along fractures
					Irregular stringers of pyrite and traces of chalcopyrite
					associated with epidote and carbonate.
411.9	420.5				<u>DIORITE</u> : Green to grey. Fine to medium grained. Chilled
					contact with volcanics at 45° to the core. Contains small
					irregular inclusions of intermediate volcanics. Fracture
					cleavage 45° to almost parallel to the core. Stringers
					and patches of epidote associated with pyrite and sphale-
					rite.
420.5	423.5				<u>ACID VOLCANICS</u> : Light grey. Aphanitic. Contact with
					diorite at 45° to the core.
423.5	426.5				<u>INTERMEDIATE VOLCANICS</u> : Light grey. Aphanitic. Banding at
					60° to the core. Contact with above acid volcanics at
					about 40° to the core. Small stringers of pyrite and
					sphalerite. Pyrite sheared along fracture cleavage.
426.5	429.0				<u>ACID VOLCANICS</u> : Dark to light grey. Aphanitic. Corroded

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SHEET NUMBER 4HOLE NUMBER Badger 36-13

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					quartz phenocrysts? Cubic pyrite. Banding at 60° to the core.
429.0	449.7				<u>DIORITE</u> : Light grey to grey. Fine to medium grained. Contact with above acid volcanics at 60° to the core. Fracture cleavage 30-80° to the core. "Spotted Dog" alteration. Fine disseminations and veinlets of sphalerite associated with the epidote. Lineation of chloritized hornblende at 50° to the core. Sphalerite, pyrite and chalcopyrite sheared along fracture cleavage.
449.7	452.0				<u>ACID VOLCANICS</u> : Light to dark grey. Aphanitic. Conchoidal fracture. Cubic and veinlets pyrite. Banding at 50° to the core.
452.0	454.0				<u>DIORITE</u> : Dark grey. Very fine grained. Fracture cleavage 45-90° to the core. Veinlets and disseminations of sphalerite, pyrite and chalcopyrite. Highly chloritized.
454.0	473.3				<u>ACID VOLCANICS</u> : Light to dark grey. Aphanitic. Conchoidal fracture. Small veins and cubes of pyrite.
473.3	477.2				<u>FELDSPAR PORPHYRY</u> : Dark grey. Phenocrysts of plagioclase. Contact with acid volcanics at 65° to the core.
477.2	483.2				<u>DIORITE</u> : Dark grey to black. Medium to coarse grained. Contact with above feldspar porphyry at 60° to the core. At the contact core is highly brecciated and it appears that the diorite intruded the breccia. Cubic pyrite and disseminated sphalerite. Lineation of hornblende at 60° to the core.
483.2	493.8				<u>ACID VOLCANICS</u> : Light to dark grey. Aphanitic. Contact with above diorite at 60° to the core. Fracture cleavage

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SHEET NUMBER 5
HOLE NUMBER Badger
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Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					30-60° to core. Short section - 1' of chloritized andesite containing veinlets and disseminated sphalerite, pyrite. Traces of chalcopyrite.
493.7	524.7				<u>DIORITE:</u> Grey to light green. Fine to coarse grained. Contact with acid volcanics at 60° to the core. Highly altered to chlorite and epidote. From 495.0- 497.0'
					sphalerite and traces of chalcopyrite. Short sections 3" - 10" of acid volcanics included in the diorite. Small faults parallel to the core.
524.7	539.5				<u>DIORITE:</u> Dark grey to green. Fine grained. Contact with above diorite at 60° to the core. Fracture cleavage at 20-90° to the core. Chloritized and epidotized. Pyrite and traces of sphalerite.
539.5	553.7				<u>DIORITE:</u> Dark grey to black. Fine grained. Fracture cleavage 10° - 90° to the core. Highly chloritized. In places slightly porphyritic. Cubic and disseminated pyrite. Traces of sphalerite.
553.7	555.9				<u>ACID VOLCANICS:</u> Dark grey to purple. Aphanitic. Conchoidal fracture. Brecciated at 554.9. Contact with above diorite at 50° to the core. Banding at 45° to the core. Large cubes of pyrite. Veinlets of sphalerite and traces of chalcopyrite.
555.9	564.2				<u>DIORITE:</u> Dark grey, mottled green. Fine to medium grained. Contact with above volcanics about 35° to the core. Irregular stringers of pyrite running parallel to the core.
564.2	567.6				<u>ACID VOLCANICS:</u> Dark grey. Aphanitic. Conchoidal fracture. Contact with above diorite at 40° to the core.

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SHEET NUMBER 6
HOLE NUMBER Badger
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Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					Banding at 45° to the core. Small rounded phenocrysts of quartz? Veining of pyrite along fracture. Small veins of sphalerite.
567.6	568.3				<u>DIORITE</u> : Dark grey. Fine grained. Contact with volcanics at 45° to the core. Disseminated sphalerite and pyrite.
568.3	573.0				<u>ACID VOLCANICS</u> : Dark to light grey. Aphanitic. Conchoidal fracture.
573.0	574.0				<u>DIORITE</u> : Black. Very fine grained. Chloritized. Contact with volcanics at about 45° to the core. 5% combined sphalerite, pyrite and chalcopyrite.
574.0	577.0				<u>ACID VOLCANICS</u> : Grey. Aphanitic. Conchoidal fracture. Brecciated at 574.4'. Breccia filled with quartz-carbonate. Sphalerite and chalcopyrite associated with the quartz-carbonate.
577.0	613.5				<u>DIORITE</u> : Dark gray to mottled green. Fine to medium grained. Irregular epidote stringers. Chloritized hornblende phenocrysts. Sphalerite associated with patches of epidote. Small sections of acid volcanics appear to have been assimilated by the diorite? in places.
613.5	619.8				<u>TRACHYTE</u> : Dark grey to reddish brown. Aphanitic. Banding at 50-55° to the core. Fracture cleavage at 60° to the core. Cubic and massive pyrite. Traces of chalcopyrite.
619.8	620.9				<u>ACID VOLCANICS</u> : Dark to light grey. Contact with trachyte very irregular and may be gradational. Stringers of pyrite.
620.9	621.7				<u>DIORITE</u> : Dark grey. Fine grained. Quartz and epidote

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DIAMOND DRILL RECORD

SHEET NUMBER 7HOLE NUMBER Badger 56-15

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					patches. Contact with volcanics at 60° to the core. Cubic pyrite. Traces of sphalerite.
621.7	643.2				<u>ACID VOLCANICS:</u> Dark to light grey. Aphanitic to porphyritic. Small corroded phenocrysts of plagioclase. Large crystals of pyrite. Faulting at 622.7'. Fracture cleavage at 70° to the core.
643.2	648.3				<u>DIORITE:</u> Dark grey. Fine grained. Traces of chalcopyrite. Sphalerite in minor amounts associated with patches of epidote.
648.3	649.7				<u>ACID VOLCANICS TO TRACHYTE:</u> Dark grey to reddish brown. Aphanitic. Slightly banded. Cubic pyrite.
649.7	651.1				<u>DIORITE:</u> Dark green. Fine grained. Fracture cleavage 50-70° to the core. Chlorite along fracture cleavage. Contact with volcanics about 70° to the core. Disseminated pyrite.
651.1	656.3				<u>TRACHYTE:</u> Dark green to reddish brown. Aphanitic. Banding at 65° to the core. Small rounded phenocrysts of chloritized hornblende in lineation at 65° to the core. Traces of chalcopyrite.
656.3	658.5				<u>DIORITE:</u> Dark grey. Fine to medium grained. Contact with volcanics about 70° to the core. Traces of chalcopyrite.
658.5	670.9				<u>ACID VOLCANICS:</u> Light to dark grey. Aphanitic. In places small corroded phenocrysts of plagioclase. Banding at 70° to the core. Cubic and disseminated pyrite.
670.9	672.0				<u>DIORITE:</u> Dark grey. Fine grained. Contact with volcanics about 65° to the core.

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DIAMOND DRILL RECORD

SHEET NUMBER 8

Badger

HOLE NUMBER 56-13

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
672.0	684.8				<u>ACID VOLCANICS</u> : Light grey to green. Aphanitic. Conchoidal fracture. Small patches of more basic volcanics.
					Stringers of pyrite along fractures.
684.8	687.8				<u>DIORITE</u> : Light grey to green. Fine to medium grained. Epidotized. Contact with above volcanics at a very irregular angle.
687.8	688.7				<u>ACID VOLCANICS</u> : Light gray. Aphanitic. Fracture cleavage 10° to the core.
688.7	696.7				<u>DIORITE</u> : Dark gray. Fine to medium grained and grades into a porphyry. Fracture cleavage 60° to the core. Chloritized.
696.7	698.0				<u>BASALT</u> : Black. Aphanitic. Contact with diorite at 50° to the core. Disseminated pyrite.
698.0	706.1				<u>DIORITE</u> : Light grey. Fine to medium grained. Porphyritic at contacts. Fracture cleavage at 40° to the core. Cubic pyrite.
706.1	717.7				<u>ANDESITE TO INTERMEDIATE VOLCANICS</u> : Dark grey to green. Contact with diorite at 60° to the core. Fracture cleavage 40 - 90° to the core. Pillow structure? Traces of sphalerite and chalcopyrite. Chloritized. Highly brecciated.
717.7	762.2				<u>DIORITE</u> : Dark grey to black. Medium to coarse grained. Fracture cleavage 30 - 70° to the core. Highly chloritized. Cubic and disseminated pyrite. As in the rest of the core pyrite has been sheared along fracture cleavage.
					End of Hole