



52F05SE0102 30 ROWAN LAKE

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Diamond Drilling

Area Rowan Lake

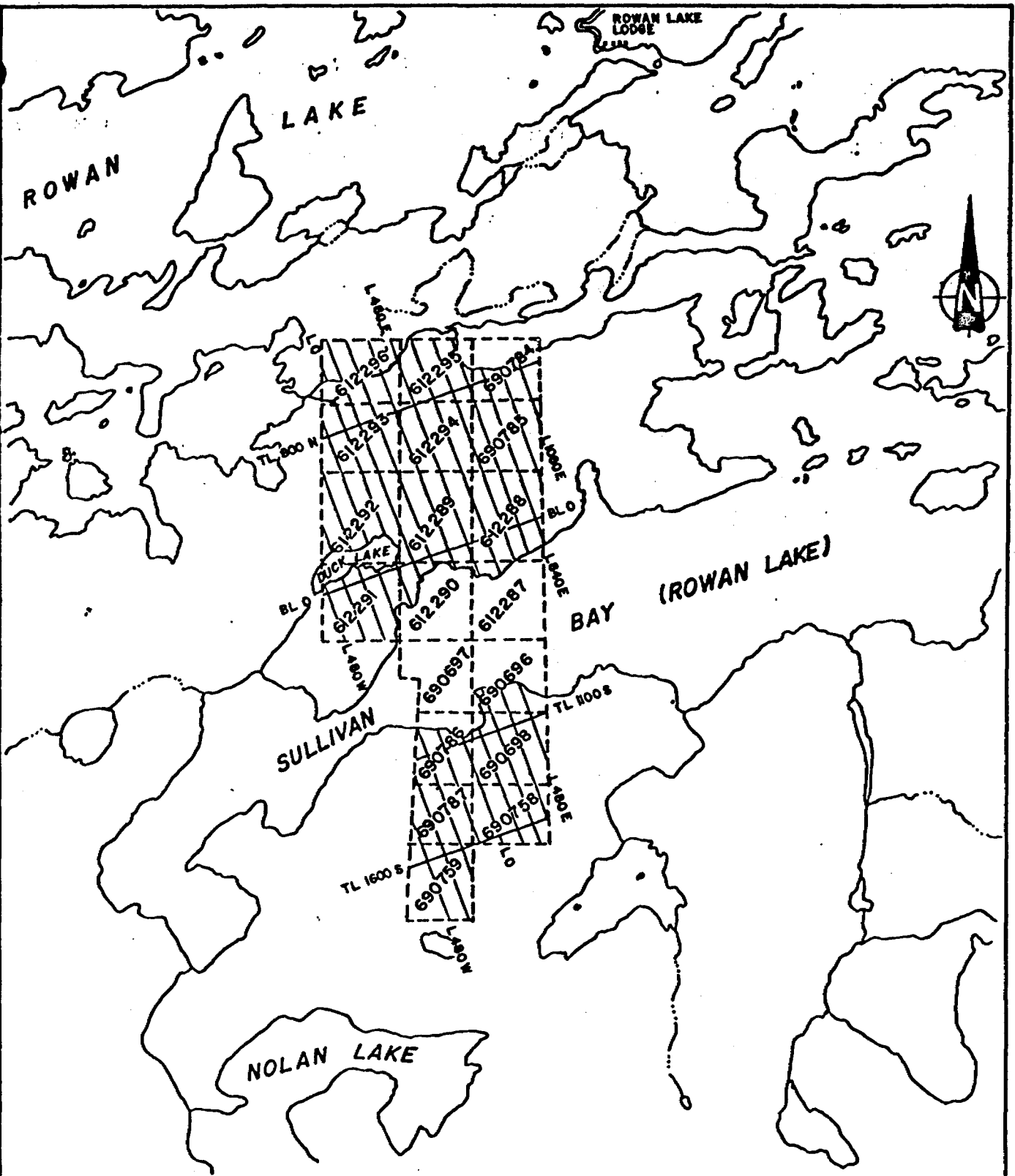
Report No 30

Work performed by: Charger Resources Inc.

Claim No	Hole No	Footage	Date	Note
K 612288	CH-1	236.83m	Feb/84	(1)(2)(3)
	CH-2	206.35m	Feb/84	(1)(2)(3)
K 690787	CH-3	187.76m	Mar/84	(1)(2)(3)
	CH-4	<u>130.15m</u>	Mar/84	(1)(2)(3)

Notes:

- (1) #119-84
- (2) Logs and Location Plan submitted under OMEP report #0M84-5-P-329.
- (3) Drill Hole Sections, Holes CH-1 to CH-4, submitted under OMEP report #0M84-5-P-329 - added to file Dec./88.



From ROWAN LAKE claim sheet no. M-2580

REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for	CHARGER RESOURCES LTD.	
	Title	CLAIM INDEX MAP	
	Date DEC. 85	Scale 1"=2640'	N.T.S. 62 F/5E
	Drawn CJ	Approved:	File M-28

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	Charger Resources Ltd., M-28	HOLE NUMBER:	CH-1
AREA:	Rowan Lake, Ontario	LOCATION:	L720E, 2+90N
CLAIM NUMBER:	K 612288	AZIMUTH:	160° AZ
CORE SIZE:	BQ	DIP:	-50°
DRILLED BY:	Bradley Brothers Ltd.	DATE:	Feb. 19th to 22nd, 1984
LOGGED BY:	Roberta Bald	CASING:	18.9m
CORE STORED AT:	Rowan Lake Lodge	LENGTH:	236.83m
OBJECTIVE:	To test pyrite-bearing carbonate zone coincident with I.P. anomaly.	ACID TESTS:	@ 19.51m = -50.5° @ 81.38m = -43.5° @ 142.34m = -37.75° @ 203.30m = -35.75°

Roberta Bald

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
0	18.9m	CASING						
18.90	41.90	<p>MAFIC METAVOLCANIC FLOW</p> <p>-dark greenish grey to light grey; fine to locally medium grained;</p> <p>-from 18.90 to 19.35 m; blocky core</p> <p>-foliated @ 50° to core axis</p> <p>-local bands and zones up to approximately 0.1 m wide of pyrite-rich (up to approx. 4% pyrite) as fine to coarse-grained cubes and blebs.</p> <p>-local quartz veins up to approx. 1.5 cm wide; locally cross-cutting foliation but generally parallel to foliation; quartz is milky white to translucent, locally with dark green chlorite along vein margins; pyrite is concentrated in host rock along vein margins; rarely pyrite in quartz; about 5% quartz veins;</p> <p>-carbonate veins less than 1% rock; reacts to HCl; less than 1cm wide; local zones of carbonatized mafic volcanic</p> <p>-local zones of coarse-grained grey mottled-textured rock with dark to light green equant mafic minerals randomly oriented; possible mafic tuff? or gabbro?</p> <p>@ 24.85: 0.36m lost core</p> <p>@ 22.51 to 23.11: bleached zone, buff coloured, sericitic; with up to approx. 3-5% pyrite in bands as fine-to coarse-grained cubes and blebs; bands of pyrite-rich zones in dark metavolcanic from 20.51 to 25.57 with local, up to approximately 1.5 cm quartz veins (@ 24.20)</p> <p>@ 35.46 to 36.78: locally finely laminated buff-light greenish carbonate-and sericite-rich zones with up to approximately 2% very fine-</p>	50°	4%				
					41001	20.51	21.53	1.02
					41002	21.53	22.56	1.03
					41003	22.56	23.06	0.5
				3-5%	41004	23.06	23.70	0.64
					41005	23.70	24.21	0.51
			0.36m lost core		41006	24.21	25.57	1.00
					41007	34.42	35.46	1.04
					41008	35.46	36.78	1.32
				2%	41009	36.78	37.63	0.85

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE		
From	To				Number	From	To
18.90 (continued)	41.90	grained disseminated pyrite; foliated @ 55° to core axis; blocky broken core. @ 38.94 to 39.56: carbonatized medium-grained gabbro?	55°				
41.90	43.94	GABBRO: medium-grained, grey, massive gabbro; upper contact at 10° to core axis, very sharp; gabbro slightly chilled against mafic volcanic; lower contact not seen (small piece of core missing);	10°				
43.94	47.28	MAFIC METAVOLCANIC FLOW -similar to 18.90 to 41.90m					
47.28	49.58	GABBRO: -similar to 41.90 to 43.94, slightly lighter green; with local coarse-grained patches with dark pink feldspar and green epidote; upper contact sharp at approximately 15° to core axis; cuts off a lcm pyrite-bearing quartz vein in mafic metavolcanics: lower contact at 15° to core axis; it too cuts off a quartz vein (pyrite-bearing) in M.V.; gabbro slightly chilled against M.V.	15° 15°				
49.58	60.89	MAFIC METAVOLCANIC FLOW -similar to 18.90 to 41.90 -amygdaloidal zones: @ 50.53 to 50.68; 50.96 to 51.12 -amygdules filled with white carb + Quartz -with up to approximately 10% Quartz + Carb. veins and veinlets up to 3 cm wide, containing up to approximately 3% fine to coarse-grained pyrite, especially along vein margins; mainly parallel to foliation (@ approximately 55° to core axis) but some cross-cutting.	55°	3%			

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul- phides	SAMPLE			
From	To				Number	From	To	Length (meters)
49.58 (continued)	60.89	@ 55.43 to 55.78; 56.76 to 59.09: bleached siliceous, slightly sericitic zones; light buff to slightly purplish to greenish tinged; with up to approximately 25% milky white to translucent quartz veins, randomly oriented; up to approximately 5 cm wide; with up to 4-5% dusty fine-grained pyrite in host rock and locally in quartz veins.		4-5%	41010 41011 41012 41013 41014 41015	54.43 55.43 55.78 56.76 58.00 59.09	55.43 55.78 56.76 58.00 59.09 60.05	1.0 0.35 0.98 1.24 1.09 0.96
60.89	61.16	FELDSPAR PORPHYRY: (rare Quartz phenocrysts) -medium-grained, massive, with feldspar crystals up to 1mm; no sulphides; dark greenish grey colour; sharp contacts at 40° to 50° to core axis; porphyry chilled against volcanic	40-50°					
61.16	61.59	MAFIC METAVOLCANIC FLOW -similar to 18.9 to 41.90						
61.59	61.74	FELDSPAR PORPHYRY: -similar to 60.89 to 61.16						
61.74	82.60	MAFIC METAVOLCANIC FLOW -similar to 18.9 to 41.90 -with local bleached/silicified zones (locally associated with quartz veining) from approximately 63.50 to 82.60: bleaching gives a pseudofragmental texture with "fragments" of lighter colour than "matrix"; rock appears very inhomogeneous with different colours from dark grey to light green to light buff; and from aphanitic to medium-grained -local pyrite concentrations up to approximately 3% as fine-to medium-grained crystals -local amygdaloidal sections		3%				

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
82.60	82.81	FINELY LAMINATED TUFF (CHERTY) -dark green mafic bands alternating with hard cherty siliceous bands up to approximately 4mm wide; banded at 50° to core axis with up to approximately 2% pyrite either as dusty fine-grained disseminations or as fine-to medium-grained bands (less than 1 mm wide) parallel to banding.	50°	2%	41023	82.60	82.81	0.21
82.81	83.15	MAFIC METAVOLCANIC -similar to 63.50 to 82.60			41024	82.81	83.15	0.34
83.15	84.24	FINELY LAMINATED TUFF (CHERTY) -similar to 82.60 to 82.81 except bands are locally folded and contorted; small scale kink folding near 83.15			41025	83.15	84.24	1.09
84.24	86.18	MAFIC METAVOLCANIC FLOWS -similar to 63.50 to 82.60 -with amygdaloidal sections from 84.31 to 84.85; 85.38 to 86.18 (probably flow contacts) ; amygdules up to 6 mm long (flattened parallel to foliation).						
86.18	86.88	GABBRO: -similar to 41.90 to 43.94 -lower contact sharp at approximately 22° to core axis; cross-cuts laminations.	22°					

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
86.88	87.48	FINELY LAMINATED TUFF (CHERTY) -similar to 82.60 to 82.81 -small scale faulting of bands and folding and deformation of bands.			41026	86.88	87.48	0.6
87.48	88.71	MAFIC METAVOLCANIC FLOW: -similar to 63.50 to 82.60; deformed						
88.71	93.70	MAFIC TUFF: -locally with up to approximately 3% coarse-grained disseminated pyrite cubes (up to 4mm diameter) -medium-to coarse-grained; variable colour and texture; inhomogeneous with local siliceous to mafic fragments flattened parallel to core axis; 2 dark grey mafic, fine-grained dikes @ approximately 22° to core axis, cross-cutting foliation -tuff is foliated @ approximately 50° to core axis; bleached zone from 93.05 to 93.39, light greenish buff, hard, siliceous; sharp contacts at 50° to core axis parallel to foliation with approximately 2% Fx disseminated pyrite	22° 50° 50°	3% 2%	41016 41017 41018	92.05 93.05 93.39 93.39	93.05 93.39 94.39	1.0 0.34 1.0
93.70	94.49	MAFIC METAVOLCANIC FLOW -similar to 18.90 to 41.90						
94.49	111.37	MAFIC TUFF? OR MAFIC METAVOLCANIC? -dark grey to dark greenish grey massive; with white feldspar and quartz fragments, some fine-grained mafic fragments? -homogeneous compared to 88.71 to 93.70 -up to approximately 5% randomly oriented quartz-carbonate veins and veinlets; no sulphides seen. -with local well-developed amygdules filled with quartz and/or carbonate (reacts to HCl); amygdules						

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Length (meters)
From	To				Number	From	To	
94.49 (continued)	111.37	are flattened parallel to foliation; up to 15 mm long. -foliated @ approximately 52° to core axis -local carbonate + quartz veinlets mostly parallel or subparallel to foliation (up to approximately 10% of rock) @ 117.56 to 117.65: 0.09m ground core	52°					
111.37	218.80	MAFIC METAVOLCANIC FLOWS: -similar to 18.90 to 41.90 -with local, large (up to 17 mm long, flattened parallel to foliation), amygdules, filled with milky white carbonate, (reacts with HCl); up to 3-5% amygdules; locally zoned. -foliated @ 55° to 65° to core axis -possible very thin, chlorite-rich pillow selvages? (rare). -patches of quartz + carbonate -less than 1% pyrite with local patches of up to 2% - 3% pyrite with carbonate veinlets -generally soft, scratched by knife -dark greenish grey. @ 178.0 = foliation @ 50° to core axis @ 173.24 to 175.26: up to approximately 3% very fine-grained to coarse-grained disseminated pyrite. @ 188.0 = foliation @ 50° to core axis -possible pillows from approximately 188.00m to approx. 194m with local zones of small (approx.3mm) flattened carbonate filled amygdules -@ 197.21 foliation is @ approximately 60° to core axis -@ 204.94 to approx. 214.69: slightly to locally	55-65°					
				2-3%				
			50°		41019	172.24	173.24	1.0
					41020	173.24	174.24	1.0
					41021	174.24	175.26	1.02
					41022	175.26	176.26	1.0
			50°					
			60°		41027	203.94	204.94	1.0
					41028	204.94	205.94	1.0

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
111.37 (continued)	218.80	strongly silicified, locally purplish-tinged with increase of Fx pyrite (up to approx. 4% along quartz and or carbonate veinlet margins) up to approx. 5% quartz veinlets locally with purplish-brown alteration (silicification) along margin of veinlet (up to 1 cm wide, randomly oriented)		4%	41029	205.94	206.94	1.0
					41030	206.94	207.94	1.0
					41031	207.94	208.94	1.0
					41032	208.94	209.94	1.0
					41033	209.94	210.94	1.0
					41034	210.94	211.94	1.0
					41035	211.94	212.94	1.0
					41036	212.94	213.94	1.0
					41037	213.94	214.69	0.75
					41038	214.69	215.69	1.0
					41039	217.80	218.80	1.0
218.80	225.32	INTERMEDIATE FRAGMENTAL: (AGGLOMERATE?) -inhomogeneous, coarse-grained felsic fragmental; colours from dark green (matrix) to pink-light green-buff (siliceous fragments); fragments are wispy to sub-angular, dark green mafic volcanic and pink-light greenish buff rhyolitic; ubiquitous pyrite between fragments from approx. 1% up to approx. 10% pyrite occurs as rounded patches of crystal aggregates or as fine-to coarse-grained disseminations; no uniform foliation direction although some fragments appear flattened. @ 221.68 to 225.32: pyrite-rich section. -lower contact sharp at 55° to core axis		1-10%	41040	218.80	219.80	1.0
					41041	219.80	220.68	0.88
					41042	220.68	221.68	1.0
					41043	221.68	222.65	0.97
					41044	222.65	223.63	0.98
					41045	223.63	224.64	1.01
					41046	224.64	225.32	0.68
225.32	226.62	MAFIC METAVOLCANIC FLOW: -similar to 18.90 to 41.90 -foliated @ 60° to core axis			41047	225.32	226.28	0.96

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul- phides	SAMPLE		
From	To				Number	From	To
226.62	236.83	GABBRO: -similar to 41.90 to 43.94 -dark green-grey -upper contact parallel to foliation of M.V. (approximately 60° to core axis)	60°				
	236.83	END OF HOLE 62' of BW CASING LEFT IN HOLE					

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Charger Resources Ltd., M-28

HOLE NUMBER: CH-2

AREA: Rowan Lake, Ontario

LOCATION: 810E, 2+90N

CLAIM NUMBER: K 612288

AZIMUTH: 160° AZ

CORE SIZE: BQ

DIP: -50°

DRILLED BY: Bradley Brothers Ltd.

DATE: Feb. 23 to March 1, 1984

LOGGED BY: Roberta Bald

CASING: 1.83m

CORE STORED AT: Rowan Lake Lodge

LENGTH: 206.35m

OBJECTIVE: To test auriferous pyrite-bearing
carbonate zone coincident with
I.P. anomaly.

ACID TESTS: @ 1.83m = -48.5°
@ 63.09m = -47.5°
@ 124.05m = -44°
@ 185.01m = -42°

Roberta Bald

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
0	1.83	CASING						
1.83	10.76	<p>MAFIC METAVOLCANIC FLOW</p> <p>-fine-to medium-grained; dark greenish grey; locally carbonatized with up to ~ 3% carbonate veinlets (usually parallel to foliation at 50° to core axis); possible dark green chlorite-rich + carbonate + quartz pillow margin</p> <p>-local bleached zones, silicified, purplish-tinged; locally with pink to white quartz veins and veinlets, randomly oriented; quartz veins up to 18 cm wide but usually less than 1 cm wide; up to ~ 3% pyrite disseminated fine-to coarse-grained</p> <p>-bleached zones: @ 3.08 to 3.63; 7.36 to 9.20; 10.37 to 10.76</p> <p>-18 cm quartz vein from 7.72 to 7.90; coarse-grained with pink feldspar, ~ 2% coarse-grained pyrite.</p>	50°					
				3%	41048	3.08	3.63	0.55
					41049	6.36	7.36	1.0
					41050	7.36	8.00	0.64
				2%	41051	8.00	9.20	1.20
					41052	9.20	10.37	1.17
					41053	10.37	10.76	0.39
10.76	11.88	<p>DIORITE</p> <p>-very coarse-grained, grey with pink spots (feldspar); massive; with acicular amphibole crystals (randomly oriented) up to ~ 3mm long; upper contact sharp at ~ 90° to core axis; lower contact sharp but irregular at ~ 20° to core axis; no sulphides seen</p>	90° 20°					
11.88	40.45	<p>MAFIC METAVOLCANIC FLOW:</p> <p>-similar to 1.83 to 10.76</p> <p>-bleached zones at 11.88 to 12.18; 18.26 to 21.42; 22.55 to 22.77</p>			41054	11.88	12.18	1.0
					41055	18.26	19.29	1.03
					41056	19.29	20.29	1.0
					41057	20.29	20.80	0.51
					41058	20.80	21.42	0.62

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
11.88 (continued)	40.45	-bleached, carbonatized zone at 32.82 to 37.56 with patches and veins of coarse-grained quartz from 32.82 to 33.23; bleached zone contains fine-grained disseminated pyrite, up to ~ 3-5% locally concentrated along margins of carbonate veinlets (randomly oriented) -foliated @ 50° to core axis (near 33.50 m)	50°	3-5%	41059	21.42	22.55	1.13
					41060	22.55	22.77	0.22
					41061	32.80	33.80	1.0
					41062	33.80	34.80	1.0
					41063	34.80	35.80	1.0
					41064	35.80	36.80	1.0
					41065	36.80	37.56	0.76
40.45	41.05	FINELY LAMINATED CHERTY TUFF -similar to tuff in hole CH-1; -hard, siliceous, light grey to light greenish buff; with up to ~ 2-3% pyrite fine-grained as disseminations and as local medium-grained bands up to ~ 2 mm wide. -banding @ ~ 55° to core axis	55°	2-3%	41066	40.00	40.45	0.45
					41067	40.45	41.05	0.6
41.05	41.53	MAFIC METAVOLCANIC FLOW -similar to 32.82 to 37.56			41068	41.05	41.53	0.48
41.53	41.64	FINELY LAMINATED CHERTY TUFF -similar to 40.45 to 41.05			41069	41.53	41.64	0.11
41.64	43.90	MAFIC METAVOLCANIC FLOW: -similar to 32.82 to 37.56 with silicified and sericitized zones, buff to pale yellowish-greenish, hard with up to 5% fine-to medium-grained pyrite as disseminations and veinlets (randomly oriented); zones are up to ~ 1m wide, with grey to light grey carbonatized mafic volcanic between.		5%	41070	41.64	42.53	0.89
					41071	42.53	42.85	0.32
					41072	42.85	43.85	1.0

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul- phides	SAMPLE			
From	To				Number	From	To	Length (meters)
43.90	44.0	FINELY LAMINATED CHERTY TUFF: -similar to 40.45 to 41.05; small scale faulting, deformed			41073	43.85	44.81	0.96
44.0	191.21	MAFIC METAVOLCANIC FLOW -similar to 41.64 to 43.90			41074	44.81	45.83	1.02
					41075	45.83	46.83	1.0
					41076	46.83	47.85	1.02
					41077	47.85	48.85	1.0
					41078	48.85	49.85	1.0
					41079	49.85	50.90	1.05
					41080	50.90	51.90	1.0
					41081	51.90	52.90	1.0
					41082	52.90	53.95	1.05
					41083	53.95	54.77	0.82
					41084	54.77	55.77	1.0
		-@ 54.77 to 56.85: silicified zone, hard buff to pinkish to purplish-tinged, with 6cm wide quartz vein (coarse-grained, milky white to translucent) from 55.87 to 55.94 (no sulphides in vein but up to ~ 4% fine-to-medium-grained pyrite along margins); about 3% quartz veins up to 5mm wide in zone; up to ~ 2-3% disseminated pyrite and along veinlets.			41085	55.77	56.02	0.25
				4%	41086	56.02	56.85	0.83
				2-3%	41087	56.85	57.88	1.03
		-from 56.85 to 71.34; up to ~ 5% quartz veins (randomly oriented) up to 4cm wide (mostly less than 1cm wide) with pyrite-rich zones (up to ~ 3%)			41088	57.88	58.86	0.98
					41089	58.86	60.05	1.19
				3%	41090	67.93	68.93	1.0
		@ 69.00 to 69.19: ~ 16cm wide milky white to translucent coarse-grained quartz vein with ~1% medium-to coarse-grained pyrite; host rock along margins are bleached, silicified and carries up to ~2% fine-grained disseminated pyrite.			41091	68.93	69.26	0.33
				1%	41092	69.26	70.26	1.0
				2%				
		-from 71.34 to 82.05: similar to 1.83 to 10.76 with local narrow (less than 5cm wide) bleached, silicified zones commonly associated with pyrite veinlets; locally bleached zones are pinkish to green						

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul- phides	SAMPLE			
From	To				Number	From	To	Length (meters)
44.0	191.21	(epidote?) to buff coloured.			41093	81.05	82.05	1.0
(continued)		-from 82.05 to 86.08: bleached sericitized, silicified zone carrying up to ~ 5% pyrite as dissemi- minated fine to coarse-grained crystals and as veinlets (randomly oriented)		5%	41094	82.05	83.05	1.0
				0.91m ground core	41095	83.05	84.43	0.47
					41096	84.43	85.43	1.0
					41097	85.43	86.08	0.65
					41098	86.08	87.08	1.0
		-from 86.08 to 90.11: similar to 71.34 to 82.05			41099	89.11	90.11	1.0
		-from 90.11 to 98.15; and 99.85 to 105.90: carbonatized zones, light grey with milky white to grey carbonate veinlets & wispy patches with with alteration envelopes along veinlets; with up to ~ 7% pyrite as patches, disseminations and veinlets		7%	41100	90.11	91.11	1.0
					41101	91.11	92.11	1.0
					41102	92.11	93.11	1.0
					41103	93.11	94.11	1.0
					41104	94.11	95.11	1.0
					41105	95.11	96.19	1.08
					41106	96.19	97.19	1.0
					41107	97.19	98.15	0.96
		-from 98.15 to 99.85: fine-grained, green amygdaloidal mafic metavolcanic flow; amygdules up to 5mm in diameter filled with quartz + carbonate.			41108	98.15	99.13	0.98
					41109	99.13	99.85	0.72
					41110	99.85	100.85	1.0
					41111	100.85	101.80	0.95
					41112	101.80	102.80	1.0
					41113	102.80	103.80	1.0
					41114	103.80	104.85	1.05
					41115	104.85	105.90	1.05
		-from 105.90 to 117.96: mafic metavolcanic, dark greenish grey with up to ~ 2% carbonate veinlets and patches, with patches of up to ~5-7% medium-to coarse-grained pyrite as disseminations and along bands; local quartz + carbonate filled amygdules up to 1 cm long (slightly flattened)		5-7%				

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE		
From	To				Number	From	To
191.21	195.46	<p>INTERMEDIATE FRAGMENTAL (AGGLOMERATE)</p> <p>-upper contact at 60° to core axis, parallel to foliation,</p> <p>-similar to DDH-CH-1: green to dark grey to buff to purplish tinged colour, inhomogeneous, with rhyolitic buff to brownish-reddish to light green fragments up to 8cm in diameter, locally quartz and/or feldspar (white) phyrlic; phenocrysts up to ~ 4mm long in a dark green chloritic matrix, fine-grained, foliated at 55-60° to core axis; also some dark greenish grey mafic clasts, fine-grained massive; both types of clasts are rounded to subangular; trace medium-to coarse-grained disseminated pyrite.</p> <p>-lower contact gradational</p> <p>-locally strongly magnetic matrix</p>	60°				
195.46	206.35	<p>GABBRO</p> <p>-from 195.46 to ~ 196.94: fine-grained, dark green; possible mafic metavolcanic? gradually becomes coarser-grained</p> <p>-from ~ 196.94 to 206.35: medium to coarse-grained, massive, gabbro; non magnetic; feldspar crystals up to ~ 4mm long, having slight greenish tinge, slightly altered; mottled texture; local wispy patches of dark green chlorite; so sulphides seen; up to ~ 1% carbonate veinlets, randomly oriented.</p>					
	206.35	<p>END OF HOLE</p> <p>62 FEET OF B.W. CASING LEFT IN HOLE.</p>					

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	Charger Resources Ltd., M-28	HOLE NUMBER:	CH-3
AREA:	Rowan Lake, Ontario	LOCATION:	L600E, 2+70N
CLAIM NUMBER:	K 612288	AZIMUTH:	160° AZ
CORE SIZE:	BQ	DIP:	-50°
DRILLED BY:	Bradley Brothers Ltd.	DATE:	March 10, to March 11, 1984
LOGGED BY:	Roberta Bald	CASING:	3.74m
CORE STORED AT:	Rowan Lake Lodge	LENGTH:	187.76m
OBJECTIVE:	To test carbonate zone coincident with I.P. anomaly	ACID TESTS:	@ 3.66m = -50° @ 66.17m = -43° @ 125.58m = -41.5° @ 187.76m = -40.5°

Roberta Bald

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
0	3.74	CASING						
3.74	41.83	<p>MAFIC METAVOLCANIC FLOWS</p> <p>-greenish grey to green, fine-grained, slightly foliated @ 40-45° to core axis; local dark green chlorite bands (possible pillow selvages?); generally contains up to ~ 2% quartz + carbonate + minor epidote? veins and veinlets, generally subparallel to foliation but locally cross-cutting;</p> <p>@ 3.74 to 7.39: strongly foliated to schistose carbonatized and (greenish) sericitized, bleached zone; light greenish to light grey to buff colour; contains local silicified sections; contains up to 3-4% pyrite as fine-grained disseminations and as medium-to coarse-grained aggregates locally forming bands parallel to the foliation; as cubes and blebs.</p> <p>@ 25.67 to 41.83: massive to schistose, bleached, silicified-sericitized zone, locally carbonatized; light grey to grey, locally finely banded with alternating quartz and carbonate veinlets usually parallel to foliation/schistosity but locally cross-cutting; containing up to ~ 3% fine-grained disseminated pyrite and medium-to-coarse-grained pyrite crystal aggregates, locally along zones parallel to foliation; some sections appear cherty, locally along zones parallel to foliation; some sections appear cherty, locally as well-defined cream-coloured bands; local deformation (small scale folding) of banded material</p>	40-45°					
				3-4%	41348	3.74	4.29	0.55
					41349	4.29	4.70	0.41
					41350	4.70	5.23	0.53
					41351	5.23	5.73	0.50
					41352	5.73	6.23	0.50
					41353	6.23	6.89	0.66
					41354	6.89	7.39	0.50
					41355	7.39	8.23	0.84
					41356	24.67	25.67	1.0
					41357	25.67	26.14	0.47
					41358	26.14	26.70	0.56
					41359	26.70	27.23	0.53
					41360	27.23	27.83	0.60
					41361	27.83	28.50	0.67
					41362	28.50	29.04	0.54
				3%	41363	29.04	29.57	0.53
					41364	29.57	30.10	0.53
					41365	30.10	30.67	0.57
					41366	30.67	31.17	0.50
					41367	31.17	31.68	0.51
					41368	31.68	32.22	0.54
					41369	32.22	32.77	0.55
					41370	32.77	33.30	0.53

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
3.74 (continued)	41.83	<p>@35.48: 3cm wide milky white to translucent quartz vein at ~ 30° to core axis cross-cutting foliation at 55° to core axis; contains trace fine-grained to coarse-grained pyrite, with up to 2-3% pyrite in host rock as elongated blebs and aggregates parallel to foliation.</p> <p>@ 39.01 to 41.79: up to 10% milky white to translucent randomly oriented quartz veins up to ~ 7cm wide; with irregular and parallel margins; quartz veins generally contain up to 2% fine-to medium-grained disseminated fine-to coarse-grained pyrite in grey to buff bleached silicified host rock</p>	30° 55°	2-3%	41371	33.30	33.85	0.55
					41372	33.85	34.41	0.56
					41373	34.41	34.84	0.43
					41374	34.84	35.26	0.42
					41375	35.26	35.66	0.40
					41376	35.66	36.13	0.47
					41377	36.13	36.66	0.53
					41378	36.66	37.17	0.51
					41379	37.17	37.70	0.53
					41380	37.70	38.21	0.51
					41381	38.21	38.71	0.50
					41382	38.71	39.22	0.51
					41383	39.22	39.71	0.49
					41384	39.71	40.18	0.47
					41385	40.18	40.73	0.55
					41386	40.73	41.34	0.61
					41387	41.34	41.83	0.49
41.83	42.00	<p>FINELY LAMINATED CHERT: -hard, aphanitic, light grey-buff, laminations ~ 1 to 3mm wide, at ~ 30° to core axis, contains up to ~ 2% pyrite as fine-grained bands parallel to laminations; generally this unit looks much the same as bleached-silicified zone except for distinct laminations.</p>	30°	2%	41388	41.83	42.00	0.17
42.00	53.66	<p>MAFIC METAVOLCANIC FLOWS: from 42.00 to 43.04: similar to 25.67 to 41.83 -from 43.04 to 53.66: similar to 7.39 to 25.67 -local quartz + carbonate veins and zones containing possible tourmaline (up to ~ 3%) hard, black blebs and lenses-veinlets parallel to foliation and some acicular crystals; with up to ~ 1% fine-to coarse-grained pyrite.</p>		1%	41389	42.00	42.50	0.50
					41390	42.50	43.04	0.54
					41391	43.04	44.10	1.06
					41392	44.10	44.81	0.71
					41393	53.15	53.66	0.51

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
53.66	54.39	GABBRO -grey, massive, diabasic texture (feldspar between green amphibole and chlorite laths); upper contact sharp at 40° to core axis; subparallel to foliation of mafic metavolcanic; lower contact sharp @ 40° to core axis, parallel to foliation; slightly carbonatized; containing up to 2% fine-grained disseminated pyrite; lower contact chilled and bleached.	40° 40°	2%	41394	53.66	54.39	0.73
54.39	90.55	MAFIC METAVOLCANIC FLOWS -from 54.39 to 54.63: up to 40° carbonate + quartz veinlets parallel to foliation @ 40° to core axis in aphanitic, locally cherty dark grey to black host rock; contains up to 3% fine-to coarse-grained pyrite cubes and blebs, disseminated. -from 54.63 to 63.83: similar to 25.67 to 41.83 including two silicified, quartz vein bearing zones similar to 39.01 to 41.79 @ 57.32 to 58.62 and 59.76 to 61.21	40°	3%	41395	54.39	54.63	0.24
					41396	54.63	55.20	0.57
					41397	55.20	55.70	0.50
					41398	55.70	56.25	0.55
					41399	56.25	56.75	0.50
					41400	56.75	57.32	0.57
					41401	57.32	57.87	0.55
					41402	57.87	58.30	0.43
					41403	58.30	58.62	0.32
					41404	58.62	59.22	0.60
					41405	59.22	59.76	0.54
					41406	59.76	60.26	0.50
					41407	60.26	60.81	0.55
					41408	60.81	61.21	0.40
					41409	61.21	61.74	0.53
					41410	61.74	62.28	0.54
					41411	62.28	62.83	0.55
					41412	62.83	63.42	0.59

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
54.39	90.55 (continued)							
		-from 63.83 to 66.07: similar to 7.39 to 25.67 with a quartz + carbonate zone from 64.81 to 64.94 (no sulphides seen).			41413	63.42	63.82	0.40
					41414	63.82	64.68	0.86
					41415	64.68	65.08	0.40
					41416	65.08	66.07	0.99
		-from 66.07 to 67.97: mafic metavolcanic contains up to ~20% equant to tabular white feldspar crystals up to 2mm long, randomly oriented or possible mafic feldspar porphyry?; margins are finer-grained and are gradational into mafic metavolcanic.			41417	66.07	67.08	1.01
					41418	67.08	67.97	0.89
		-from 67.97 to 68.56: grey to light grey to buff, slightly bleached to strongly silicified zone; trace pyrite.			41419	67.97	68.56	0.59
		-from 68.56 to 69.15: similar to 7.39 to 25.67, slightly carbonatized			41420	68.56	69.15	0.59
		-from 69.15 to 70.07; 72.46 to 73.12; and 73.67 to 73.91: local altered-bleached zones containing up to 20% coarse-grained milky white to translucent quartz + carbonate veins, randomly oriented, with up to 2% fine-to coarse-grained disseminated pyrite in variously bleached (silicified to carbonatized) host rock; these zones occur in foliated, dark greenish grey fine-grained mafic metavolcanic flows similar to 7.39 to 25.67			41421	69.15	69.55	0.40
					41422	69.55	70.07	0.62
					41423	70.07	71.07	1.0
					41424	71.07	71.93	0.86
				2%	41425	71.93	72.46	0.53
					41426	72.46	73.12	0.66
					41427	73.12	73.67	0.55
					41428	73.67	73.91	0.24
		-from 73.91 to 86.02: mafic metavolcanic flows similar to 7.39 to 25.67, locally containing carbonate filled amygdule up to 8mm long, flattened parallel to foliation @ 45° to core axis (@ 75.29m)	45°		41429	73.91	74.56	0.65
		-from 86.02 to 87.84: local zones of slightly bleached (silicified) host rock (takes on a purplish			41430	85.02	86.02	1.0
					41431	86.02	86.69	0.67
					41432	86.69	87.25	0.56

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
54.39 (continued)	90.55	tinge) between and along margins of milky white to translucent to pinkish to greenish quartz veins up to ~ 14m wide, randomly oriented; bleached host rock carries up to 2% fine-to medium-grained disseminated pyrite cubes and blebs.		2%	41433	87.25	87.84	0.59
					41434	87.84	88.84	1.0
					41435	88.84	89.87	1.03
					41436	89.87	90.55	0.68
90.55	90.93	FINELY LAMINATED CHERTY TUFF -similar to 41.83 to 42.00; @ ~ 42° to core axis; contains up to 2% fine-to medium-grained disseminated pyrite, locally associated with cross-cutting carbonate thread-like veinlets (less than 1%); upper and lower contacts sharp and parallel to foliation of mafic meta-volcanic flows.	42°	2%	41437	90.55	90.93	0.38
90.93	91.85	MAFIC TUFF -medium-to coarse-grained, foliated @ ~50° to core axis; with subangular light grey siliceous fragments (~ 15%) in dark grey chloritic matrix -contains ~ 10% milky white, randomly oriented quartz (+ carbonate) veins -up to ~ 2% fine-grained disseminated pyrite in host rock.	50°	2%	41438	90.93	91.85	0.92
91.85	92.48	FINELY LAMINATED CHERTY TUFF -similar to 41.83 to 42.00; laminations @ 45° to core axis -local zones of mafic tuff similar to 90.93 to 91.85	45°		41439	91.85	92.48	0.63
92.48	94.02	MAFIC TUFF -similar to 90.93 to 91.85 with local zones of very fine-grained dark grey massive material and local small zones of finely laminated cherty tuff; containing up to 1% medium-to coarse-grained disseminated pyrite		1%	41440	92.48	92.99	0.51
					41441	92.99	93.49	0.50
					41442	93.49	94.02	0.51

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul- phides	SAMPLE			
From	To				Number	From	To	Length (meters)
94.02	95.74	FINELY LAMINATED CHERTY TUFF -similar to 41.83 to 42.00 with local zones of medium-grained mafic metavolcanic? or mafic tuff? -from 94.83 to 95.40: greenish buff coloured sericitic schist with parallel thin bands of pyrite and local cherty bands.			41443	94.02	94.57	0.55
					41444	94.57	95.74	1.0
95.74	96.66	MAFIC TUFF: -similar to 90.93 to 91.85, carbonatized; with local very large (up to 7mm diameter) pyrite cubes			41445	95.74	96.66	0.92
96.66	98.09	FINELY LAMINATED CHERTY TUFF: -similar to 41.83 to 42.00 with local sericitized zones, and with local mafic, dark grey, very fine-grained zones.			41446	96.66	96.99	0.33
					41447	96.99	97.46	0.47
					41448	97.46	98.09	0.55
98.09	99.51	MAFIC TUFF -similar to 90.93 to 91.85 with rare very fine-grained grey, slightly cherty bands -lower contact gradational over ~ 30cm; becomes finer-grained down hole			41449	98.09	99.00	0.91
99.51	102.12	MAFIC METAVOLCANIC FLOWS: -similar to 7.39 to 25.67, with carbonate filled amygdules up to ~7mm long, slightly flattened parallel to foliation; local zones of slight bleaching; -fine-to locally medium-grained -local zones containing up to 2% fine-to medium-grained disseminated pyrite						
102.12	107.97	MAFIC TUFF: (LAPILLI) -medium-to coarse-grained fragmental unit; greenish grey to dark green matrix with up to 15-20% clasts up to		2%				

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	Charger Resources Ltd., M-28	HOLE NUMBER:	CH-4
AREA:	Rowan Lake, Ontario	LOCATION:	L240W, 11+20S
CLAIM NUMBER:	K 690787	AZIMUTH:	160° AZ
CORE SIZE:	BQ	DIP:	-50°
DRILLED BY:	Bradley Brothers Ltd.	DATE:	March 8 to March 9, 1984
LOGGED BY:	Roberta Bald	CASING:	2.90m
CORE STORED AT:	Rowan Lake Lodge	LENGTH:	130.15m
OBJECTIVE:	To test I.P. anomaly along strike from altered mafic metavolcanic flows.	ACID TESTS:	@ 2.90m = -50° @ 63.09m = -48° @ 124.05m = -49°

Roberta Bald

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
0	2.90	CASING						
2.90	118.33	<p>MAFIC METAVOLCANIC FLOWS</p> <p>-fine-grained, dark grey to medium-grey; blocky core; locally hard to medium-hard; with up to ~ 5% milky white carbonate veins up to 5mm wide, randomly oriented; trace pyrite, fine-grained, disseminated, locally associated with the carbonate veinlets; local brownish carbonatized zones.</p> <p>-local carbonate-filled amygdules up to 8mm long, slightly flattened parallel to foliation; volcanic rocks foliated @ 50° to core axis</p> <p>@ 21.86 to 22.45; 22.81 to 23.55; 24.00 to 25.13; 27.70 to 28.09; 28.80 to 37.27: bleached-carbonatized zones containing up to 10% pyrite + 3% pyrrhotite, from fine-to coarse-grained disseminations and veinlets; carbonatized-pyrite zones are usually roughly parallel to foliation @ 45-50° to core axis; local smaller similar zones in between wide zones mentioned above.</p> <p>-from 45.06 to 49.96: alternate zones of carbon-</p>	50°	10%	41122	20.86	21.86	1.0
					41123	21.86	22.45	0.59
					41124	22.45	22.81	0.36
					41125	22.81	23.55	0.74
					41126	23.55	24.00	0.45
			45-50°		41127	24.00	24.50	0.50
					41128	24.50	25.13	0.63
					41129	25.13	26.13	1.0
					41130	26.13	26.70	0.57
					41131	26.70	27.70	1.0
					41132	27.70	28.09	0.39
					41133	28.09	28.80	0.71
					41134	28.80	29.80	1.0
					41135	29.80	30.80	1.0
					41136	30.80	31.80	1.0
					41137	31.80	32.80	1.0
					41138	32.80	33.80	1.0
					41139	33.80	34.80	1.0
					41140	34.80	35.80	1.0
					41141	35.80	36.30	0.50
					41142	36.30	37.27	0.97
					41143	37.27	38.29	1.02
					41144	44.06	45.06	1.0
					41145	45.06	46.07	1.01

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Length (meters)
From	To				Number	From	To	
2.90 (continued)	118.33	atized mafic volcanic and silicified buff to light green, hard zones, with up to ~2% fine-grained pyrite disseminated in silicified zones; carbonate alteration envelopes along carbonate vein margins. -also similar zones (as 45.06 to 49.96m) from 51.80 to 56.43 including a buff to light grey silicified-sericitized zone from 53.26 to 56.43, with a milky white quartz (+minor carbonate) vein 2.5 cm wide at ~50° to core axis, subparallel to foliation, @ 53.88m.	50°	2%	41146	46.07	47.24	1.17
					41147	47.24	47.85	0.61
					41148	47.85	48.85	1.0
					41149	48.85	49.52	0.67
					41150	49.52	49.96	0.44
					41301	49.96	50.90	0.94
					41302	50.90	51.80	0.90
					41303	51.80	52.60	0.80
					41304	52.60	53.26	0.66
					41305	53.26	53.75	0.49
					41306	53.75	54.00	0.25
					41307	54.00	54.64	0.64
		41308	54.64	55.32	0.68			
		41309	55.32	56.43	1.11			
		41310	56.43	57.43	1.0			
		41311	60.58	61.58	1.0			
		41312	61.58	62.54	0.96			
		41313	62.54	63.50	0.96			
		41314	63.50	64.62	0.92			
		41315	64.62	65.62	1.0			
		41316	65.62	66.14	0.28			
		41317	66.14	67.00	0.86			
		41318	67.00	67.97	0.97			
		41319	67.97	68.88	0.91			
		41320	68.88	69.46	0.58			
		41321	69.46	70.57	1.11			
		41322	70.57	71.57	1.0			
41323	71.57	72.57	1.0					
41324	76.68	77.68	1.0					
41325	77.68	77.87	0.19					
41326	77.87	78.87	1.0					
		@77.68 to 77.87: buff silicified, slightly sericitized zone, fine buff coloured veinlets (threadlike) parallel to foliation; contains less than 1% fine-to medium-grained disseminated pyrite.		1%				
		@ 96.62m, 2.5cm wide bleached-sericitized (±quartz						
					41327	95.52	96.52	1.0
					41328	96.52	96.74	0.41

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
2.90 (continued)	118.33	(carbonate) zone, no sulphides seen. @ 105.15 to 105.20: similar zone as 96.62 @ 112.17 to 113.08 (10cm lost core); 113.53 to 113.80: bleached zones similar to 96.62m with local trace fine-grained disseminated pyrite; randomly oriented bleached-silicified zones, following quartz veinlets. foliation @ 50° to core axis @ 119.0m -local green chlorite-rich zones between carbonatized material.	50°		41329	96.74	97.72	0.98
					41330	103.0	104.0	1.0
					41331	104.0	105.0	1.0
					41332	105.0	105.35	0.35
					41333	105.35	106.33	0.98
					41334	111.17	112.17	1.0
					41335	112.17	113.08	0.91
					41336	113.08	113.53	0.45
					41337	113.53	113.80	0.27
					41338	113.80	114.78	0.98
118.83	121.00	BIOTITE DIORITE? OR LAMPROPHYRE? -coarse-grained, massive; contains 10-15% biotite phenocrysts up to 10mm long, in a granular fine-grained matrix consisting of carbonatized feldspar and chlorite?; sharp upper contact @ 35-40° to core axis, diorite slightly chilled against mafic metavolcanics; carbonate veinlets cross-cut diorite-metavolcanic contact; lower contact similar to upper contact; no sulphides seen.	35-40°					
121.00	130.15	MAFIC METAVOLCANIC FLOWS: similar to 2.90 to 118.83, with local patches and zones of green chlorite-rich material @ 122.21 to 122.44: zone of irregular carbonate veins up to 4cm wide, with up to 2% pyrite along veinlets. @ 124.65 to 124.74: bleached zone similar to 96.62 @ 125.71 to 125.81: quartz + carbonate vein 3cm		2%	41339	121.28	122.21	0.93
					41340	122.21	122.44	0.23
					41341	122.44	123.45	1.01
					41342	123.45	124.05	0.60
					41343	124.05	124.54	0.49
					41344	124.54	124.84	0.30
					41345	124.84	125.65	0.81
					41346	125.65	125.81	0.16

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Length (meters)
From	To				Number	From	To	
121.00 (continued)	130.15	wide @~45° to core axis; milky white to translucent quartz, milky white carbonate; no sulphides seen. -foliation @~55° to core axis @ 130m	45°		41347	125.81	126.80	0.99
	130.15	END OF HOLE 6' OF BW CASING LEFT IN HOLE	55°					

Metres		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			
From	To				Number	From	To	Length (meters)
102.12 (continued)	107.97	3cm long, slightly flattened parallel to foliation; clasts are fine-grained, chlorite-rich mafic (meta-volcanic?) and hard buff-coloured siliceous (rare) up to ~ 10% white carbonate as blebs and stringers/lenses parallel to foliation (@ ~60° to core axis) -with up to 1% coarse-grained pyrite lenses -lower contact sharp at 50° to core axis -tuff gradually becomes finer-grained down hole towards lower contact; therefore possible tops facing downhole.	60° 50°	1%				
107.97	187.76	MAFIC METAVOLCANIC FLOWS: -similar to 7.39 to 25.67, with zones of carbonate-filled amygdules -locally up to ~ 3% barren milky white coarse-grained quartz veins. -from 108.79 to 109.17: slightly bleached, carbonatized zone with up to ~ 2% fine-grained disseminated pyrite and coarse -grained pyrite aggregates as lenses parallel to foliation -@ 117.87 to 118.20: ~ 13 cm wide milky white to translucent quartz vein, with ~ 1% chlorite-rich inclusions; quartz vein is barren but host rock within ~ 5 cm of lower margin is bleached and contains ~ 2% fine-grained dusty pyrite disseminated; at 40° to core axis		3% 2%	41450 41451 41452	107.79 108.79 109.17	108.79 109.17 110.17	1.0 0.38 1.0
				2%	41453 41454 41455	116.87 117.87 118.23	117.87 118.23 119.23	1.0 0.36 1.0
	187.76	END OF HOLE 12' OF BW CASING LEFT IN HOLE	40°					



Assessment files

The M

Name: **JAMES BRADLEY**
 Postal Address of Recorded Holder: **CHARGER RESOURCES**
1/2 Box 1637 TIMMINS ONT. P4N7W8

Rowan Lake m258

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 2230*	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey		612296	125.5		612288	114.8		690787	125.5
		612295	125.5		612291	69.3		690788	80
		690784	140		612290	109.3		690789	140
		612293	125.5		612287	149.3			
		612294	125.5		690697	120			
		690785	140		690696	145.5			
		612292	80		690786	120.3			
		612289	114.8		690698	80			

KENORA MINING DIV.
RECEIVED
MAY 8 1984
 Recorder Name: **789101112131415**

All the work was performed on Mining Claim(s): **612288, 690787**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

* NOTE: 267 days excess held back in case some work cut back.

CH-1 DATE: FEB 19-22/84
 LENGTH 236.83 m
 CORE SIZE BQ
 AZ 160°
 DIP -50°
 DRILLED BY BRADLEY BROS. TIMMINS ONT.

CH-2. DATE FEB 23-MARCH 1/84
 LENGTH 206.35 m
 CORE SIZE BQ
 AZ 160°
 DIP -50°
 DRILLED BY BRADLEY BROS. TIMMINS ONT.

CH-3 DATE MARCH 10-11/84
 LENGTH 187.76 m
 CORE SIZE BQ.
 AZ. 160°
 DIP -50°
 DRILLED BY: BRADLEY BROS. TIMMINS ONT.

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES RESEARCH OFFICE
 MAY 16 1984
 RECEIVED

Date of Report: **April 20/84**
 Recorded Holder or Agent (Signature): **Allan Wells**

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

ALLAN WELLS P.O. Box 1637 TIMMINS ONTARIO

Date Certified

April 20/84

Certified by (Signature)

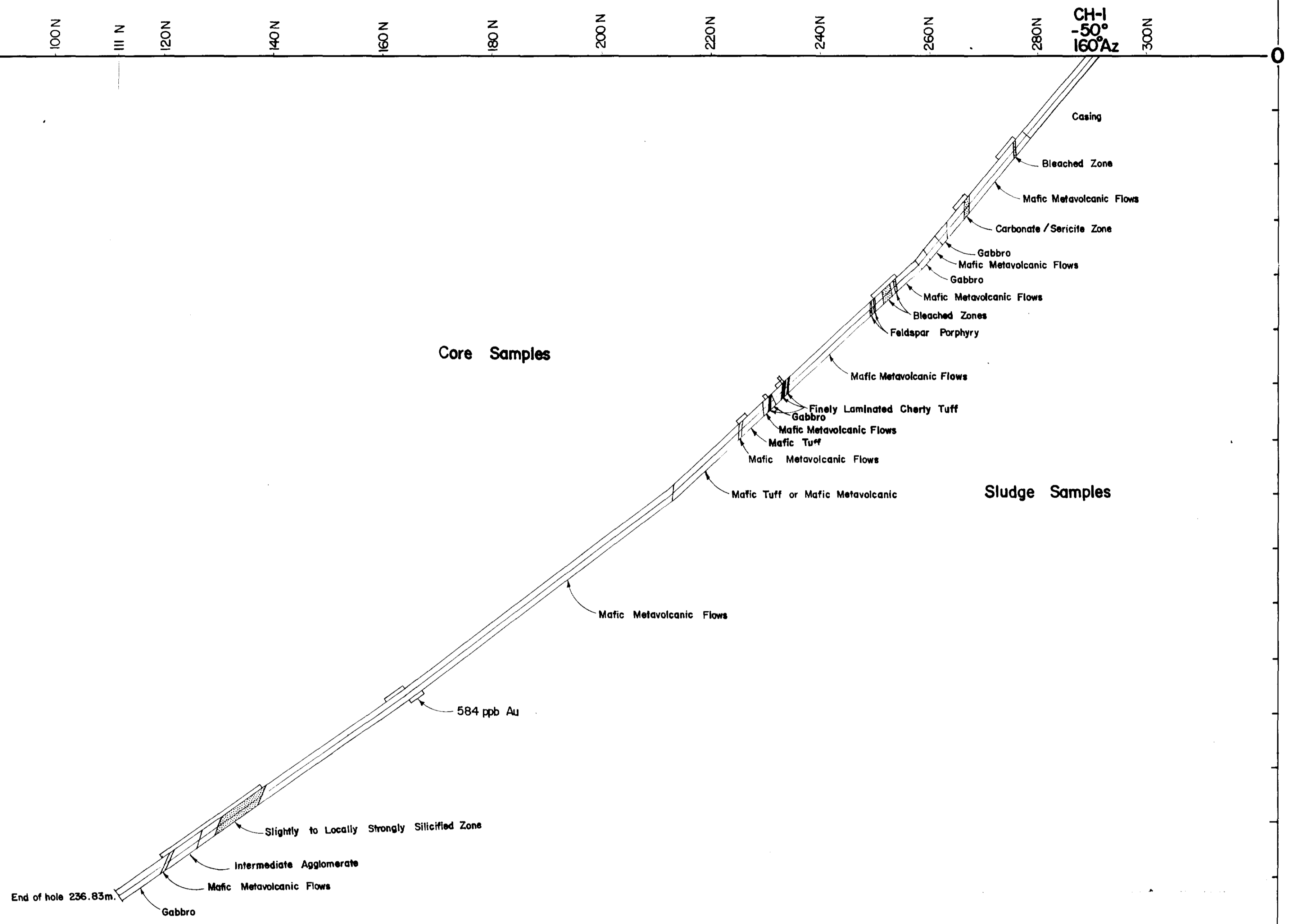
Allan Wells

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work /operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyor.		

612287

N
Az. 340°



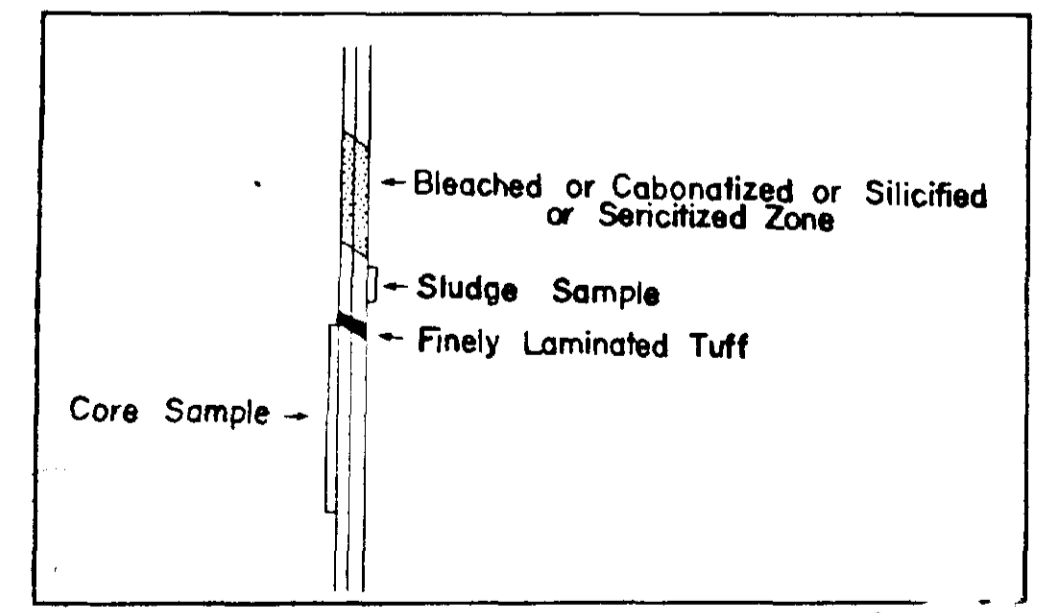
Core Samples

Sludge Samples

End of hole 236.83m.

584 ppb Au

- 50° dip at collar
- 50.5° dip at 19.51m.
- 43.5° dip at 81.38m.
- 37.75° dip at 142.35m.
- 35.75° dip at 203.30m.
- Hole collared at L 720 E , 2+90N
- Azimuth 160 °
- Length of hole 236.83m.
- Logged by R. BALD
- Drilled by Bradley Brothers



DM 83-329

DD Report # 30
(copy)

**ROBERT S. MIDDLETON
EXPLORATION SERVICES INC.**

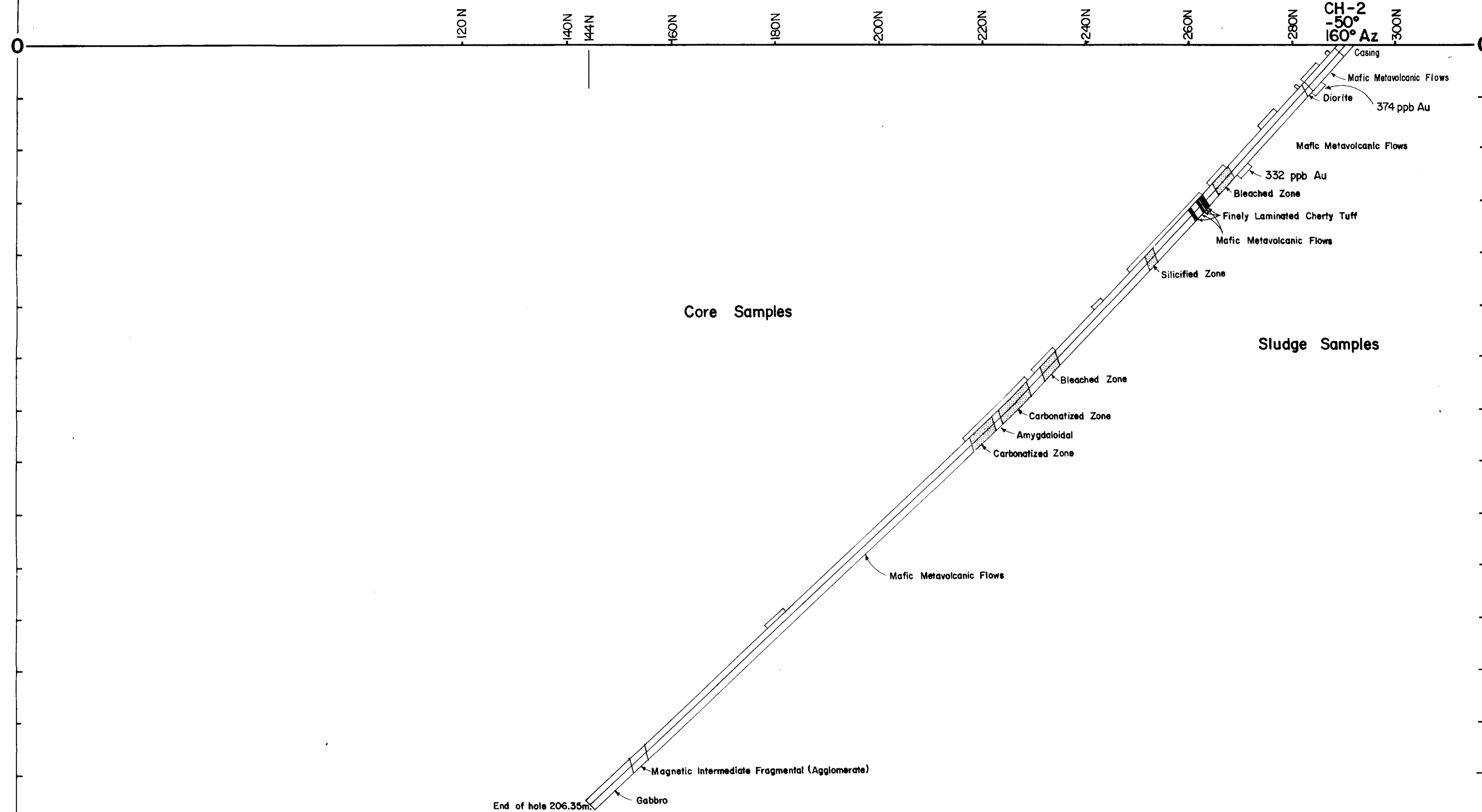
CLIENT **CHARGER RESOURCES LTD.**

ROWAN LAKE, ONTARIO

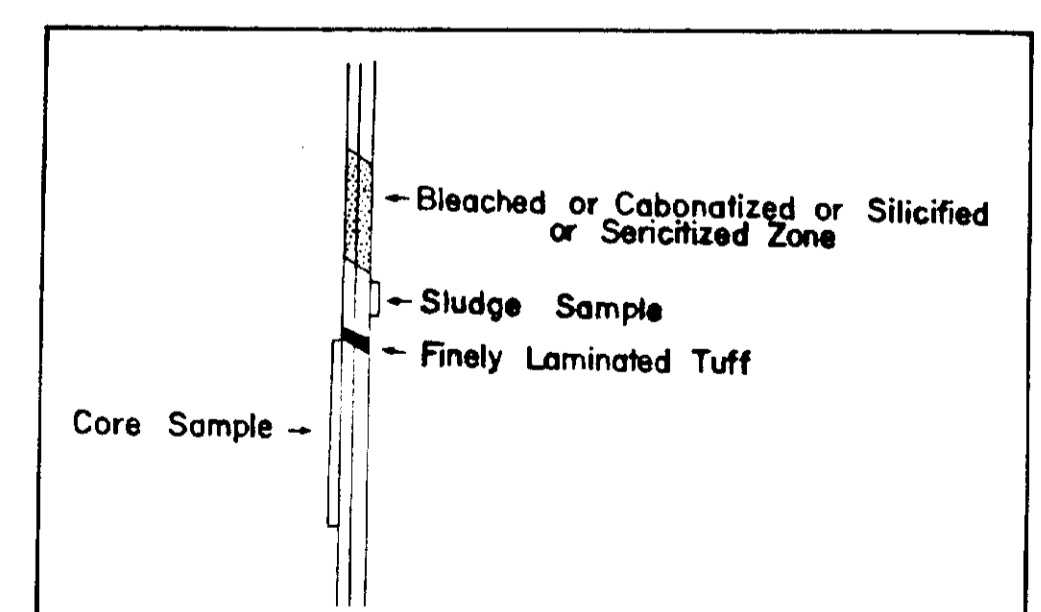
DRILL HOLE SECTION CH-1

DATE: APRIL 1984	SCALE: 1 : 500	R.T.S.: 52 F/5
DRAWN: CG	APPROVED:	FILE: M-28





End of hole 206.35m
 Gabbro
 Magnetic Intermediate Fragmental (Agglomerate)



- 50° dip at collar
- 48.5° dip at 1.83m.
- 47.5° dip at 63.09m.
- 44.0° dip at 124.05m.
- 42.0° dip at 185.01m
- Hole collared at L 810 E , 2+90N
- Azimuth 160°
- Length of hole 206.35m.
- Logged by R. BALD
- Drilled by Bradley Brothers Ltd.

0183-329 RD Report #30 (dup)

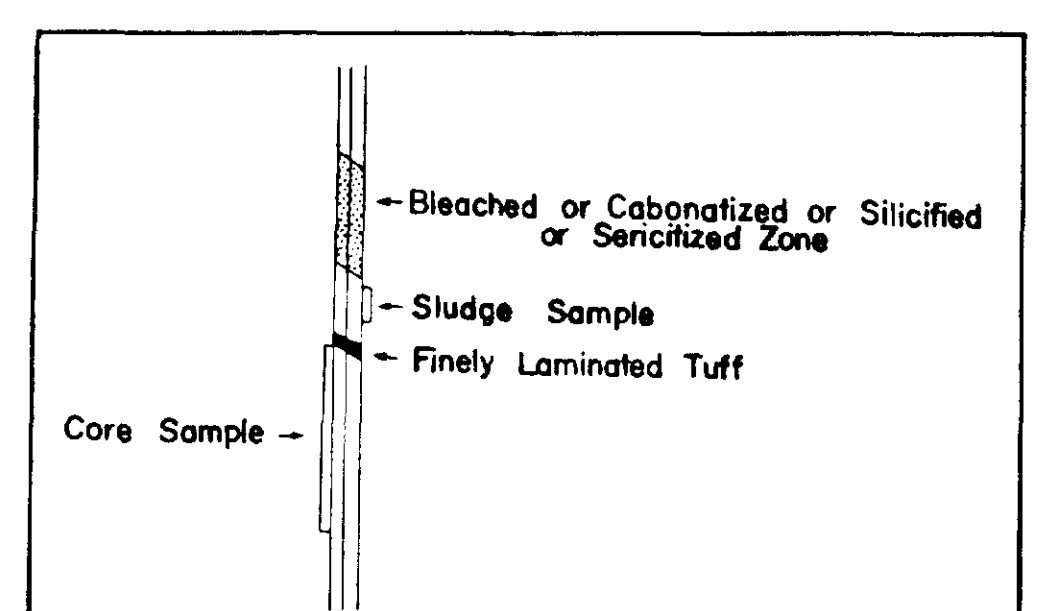
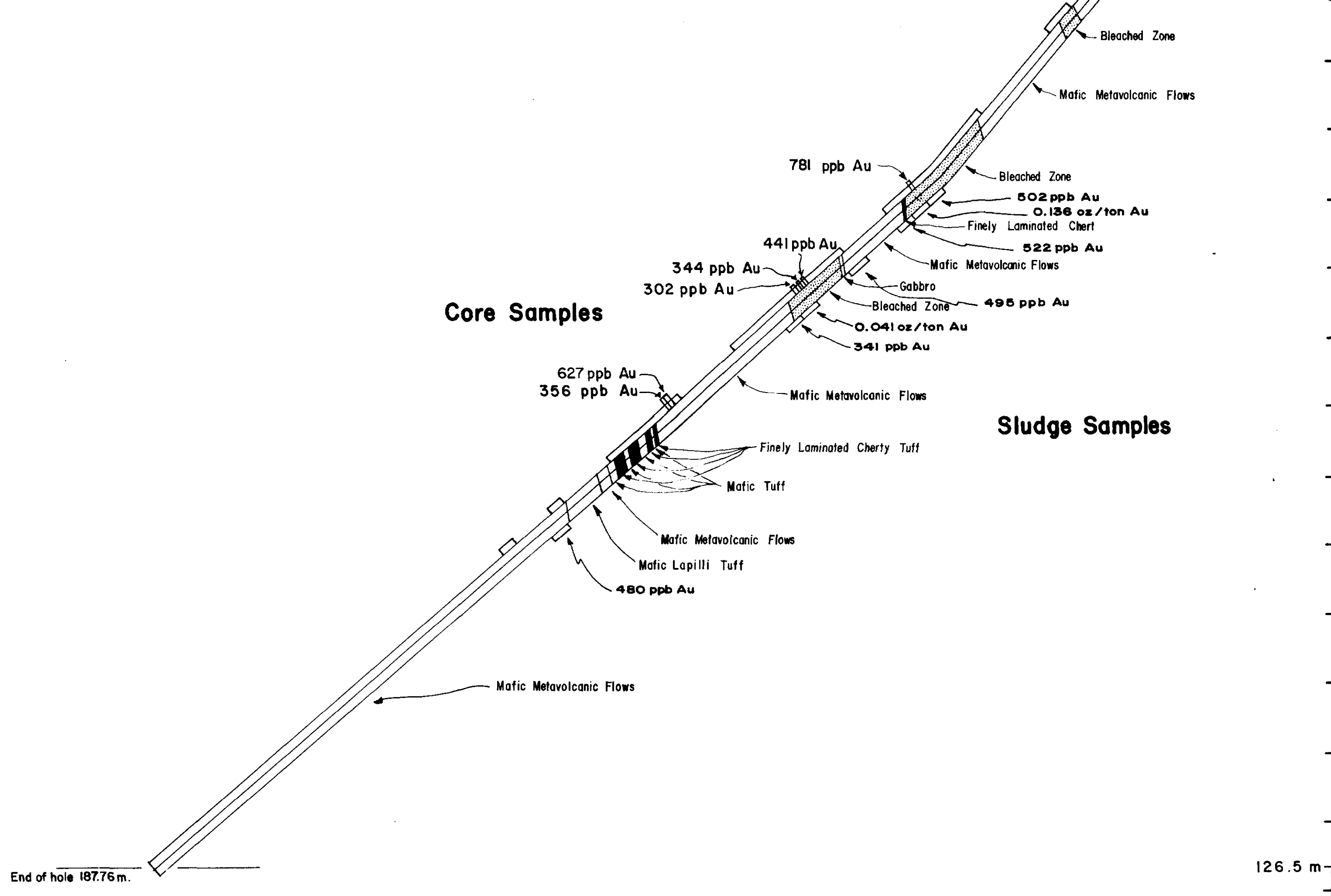
ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
CLIENT CHARGER RESOURCES LTD.		
ROWAN LAKE, ONTARIO		
DRILL HOLE SECTION CH-2		
DATE: APRIL 1984	SCALE: 1: 500	N.T.S.: 52 F/5
DRAWN: AW	APPROVED:	FILE: M-28



N
Az. 340°

CH-3
-50°
160° Az.

L600E 120N 134N 140N 160N 180N 200N 220N 240N 260N 280N



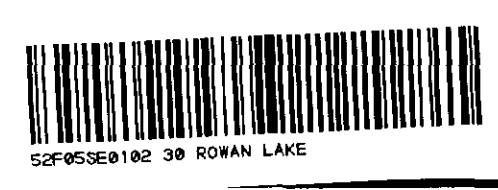
-50° dip at collar
 -43° dip at 66.14m.
 -41.5° dip at 125.58m.
 -40.5° dip at 187.76m.

Hole collared at L600E, 2+70N
 Azimuth 160°

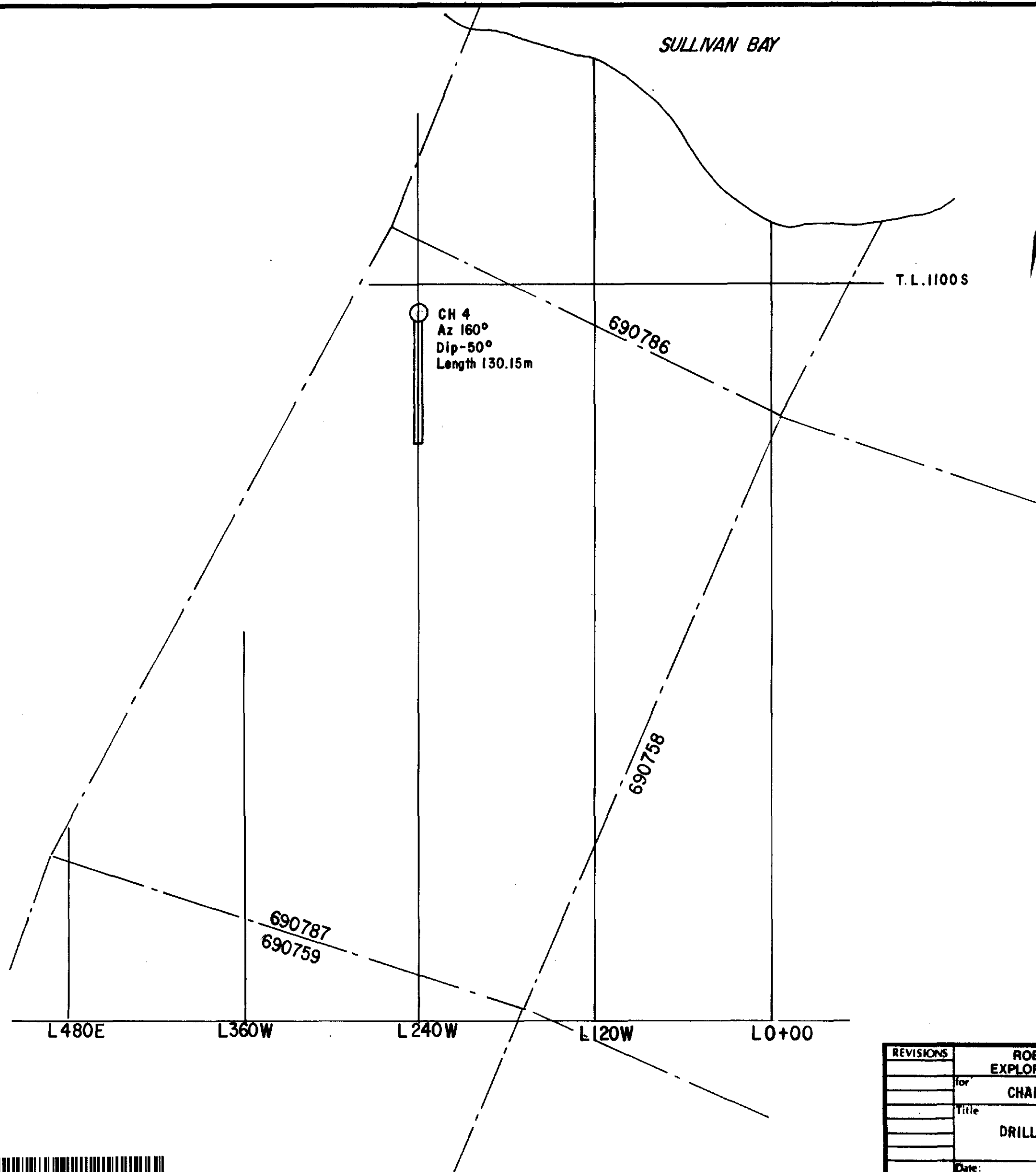
Length of hole 187.76m.
 Logged by R. BALD
 Drilled by Bradley Brothers Ltd.

0183-329 DD Report #30
(dup.)

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
CLIENT CHARGER RESOURCES LTD.		
ROWAN LAKE, ONTARIO		
DRILL HOLE SECTION CH-3		
DATE: APRIL 1984	SCALE: 1:500	M.T.S.: 52 F/5
DRAWN: AW	APPROVED:	FILE: M-28



SULLIVAN BAY



REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for	CHARGER RESOURCES	
	Title	DRILL HOLE LOCATION	
	Date:	Scale: 1: 2500	N.T.S.:
	Drawn:	Approved:	File:



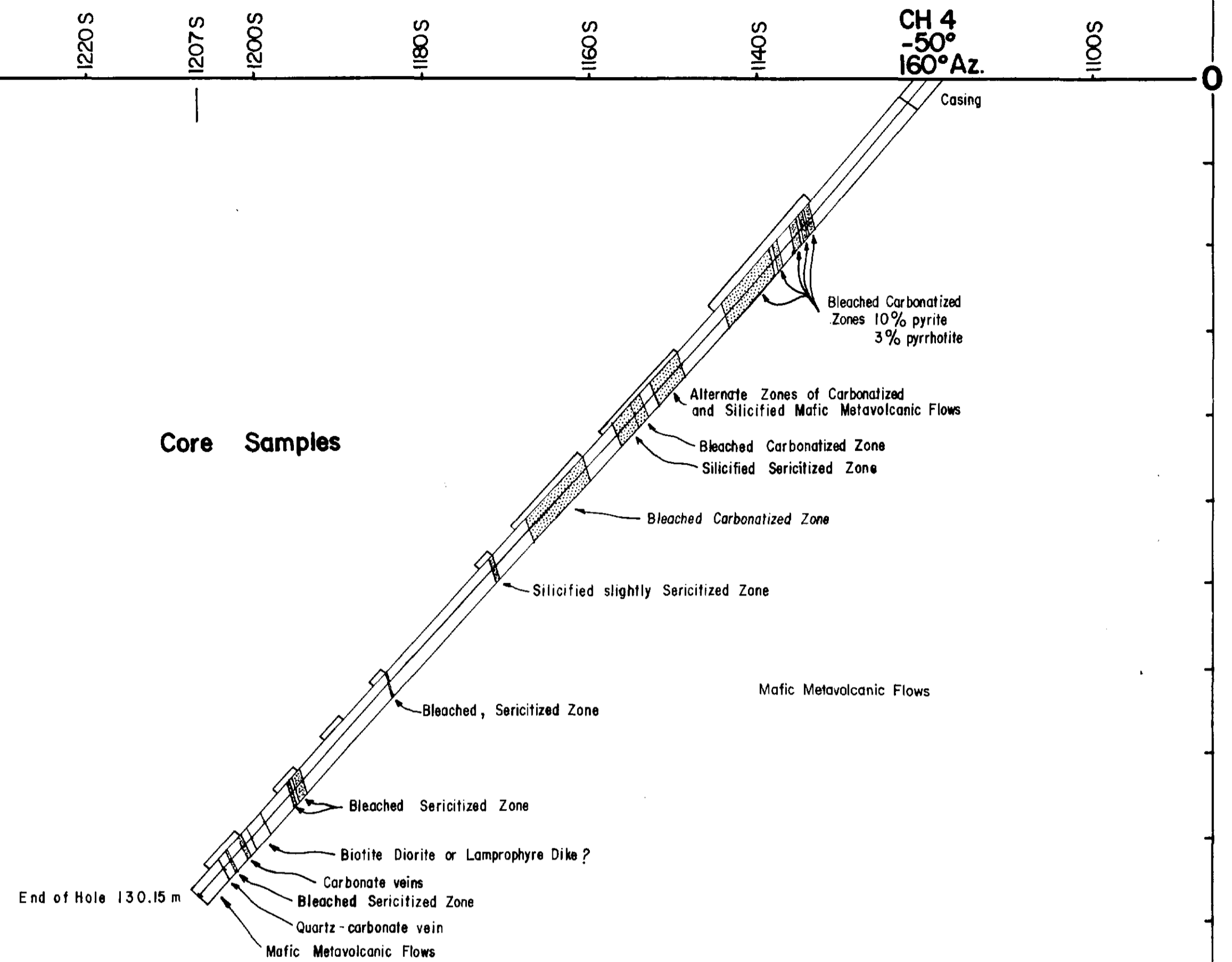
52F05SE0102 30 ROWAN LAKE

240

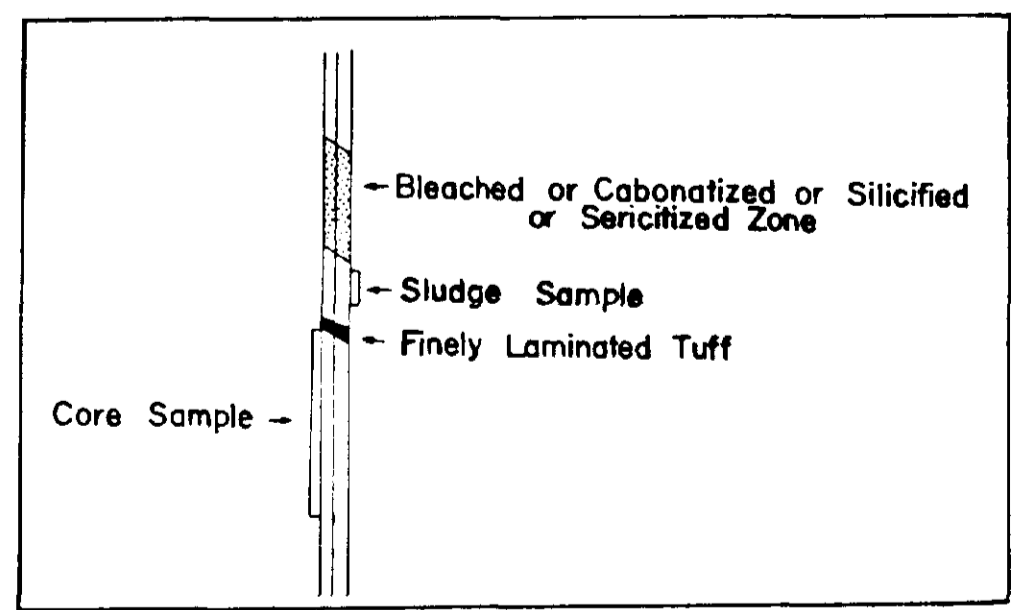
0M 83-329

D.D. Report # 30
(duplicate)

N
Az. 340°



Core Samples

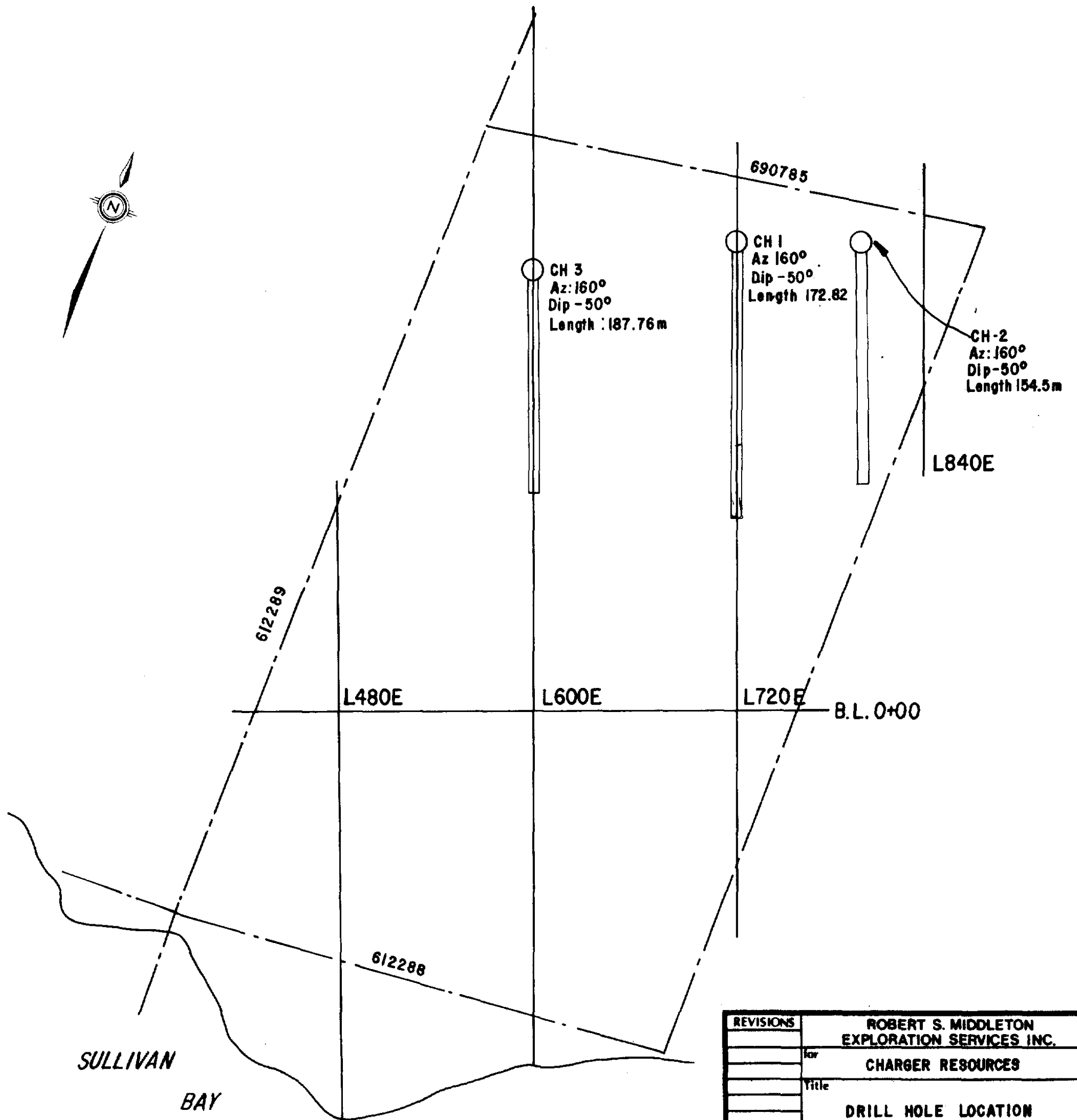


- 50° dip at collar
- 50° dip at 2.90m.
- 48° dip at 63.09m.
- 49° dip at 124.05m.
- Hole collared at L 240 W, 11+20 S
- Azimuth 160°
- Length of hole 130.15 m.
- Logged by R.BALD
- Drilled by Bradley Brothers Ltd.

OM 83-329 D.D. Report # 20

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
CLIENT CHARGER RESOURCES LTD.		
ROWAN LAKE, ONTARIO		
DRILL HOLE SECTION CH-4		
DATE: APRIL 1984	SCALE: 1:500	N.T.S.: 52 F/5
DRAWN: AW	APPROVED:	FILE: M-28





REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for	CHARGER RESOURCES	
	Title	DRILL HOLE LOCATION	
	Date:	Scale: 1:2500	N.T.S.
	Drawn:	Approved:	File:



52F05SE0102 30 ROWAN LAKE

250

0M83-329

J.D. #30
(Duplicate)