

**APPENDIX 4.**

**DRILL LOGS OF PREVIOUSLY COMPLETED DRILLHOLES  
WHICH WERE SAMPLED  
THAT PERTAIN TO SPECIFIC OCCURRENCES  
ORDERED BY REFERENCE NUMBER**



**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Meadows Road, Occurrence 0001	<b>Azimuth:</b>	
<b>Hole Number:</b>	MR-86-1	<b>Dip:</b>	90°
<b>Latitude:</b>	46°00'38.87'	<b>Started:</b>	July 10, 1986
<b>Longitude:</b>	60°15'44.86'	<b>Completed:</b>	July 23, 1986
<b>Elevation:</b>	82.946 m	<b>Ultimate Depth:</b>	125.27 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-38.71	Overburden, granitic and metamorphic clasts, mud above contact.					
38.71-53.25	Siltstone, moderate to dark reddish brown mottled greenish grey in part; sandy near top decreases below, blocky to rubbly in mid unit to base with mud filled cavities in lower portion. Contact rubbly and uncertain.					
53.25-59.80	Gypsum, white, massive to nodular mosaic with varying amounts of interstitial dolostone possible minor portions of anhydrite. Grade +80%. Contact is erosional.	R-1008	53.69-53.95	85.43	0.47	0.010
		R-1009	57.23-57.53	84.95	0.69	0.009
59.80-60.02	?Hemihydrate, light grey, very fine grained, dense, minor fine grained gypsum filled fractures. Contact is erosional.					
60.02-62.64	Gypsum, white, fine grained, massive to nodular mosaic, minor interstitial dolostone. Grade +85%. Contact erosional.	R-1010	60.93-61.16	95.94	1.50	0.005
		R-1011	62.65-62.89	88.01	0.67	0.008
62.64-62.88	?Hemihydrate, as above. Contact erosional.					
62.88-63.79	Gypsum, white massive, as above.					
63.79-64.01	?Hemihydrate, as above.					
64.01-64.28	Gypsum, white massive, as above.					
64.28-64.50	?Hemihydrate, as above, with 3 cm mud filled cavity at base. Contact erosional.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
64.50-65.32	Gypsum, white, massive, vuggy in mid unit with selenitic gypsum in vugs. Contact erosional.					
65.32-65.59	?Hemihydrate, as above. Contact erosional.					
65.59-76.20	Gypsum, white, fine grained, nodular mosaic to massive, 1.5 m core missing around 75.29 m, probable solution cavity at basal contact. Few minor dolomitic interlaminae base. Contact erosional.	R-1012	64.59-64.80	87.58	0.91	0.009
		R-1013	67.19-67.44	97.85	0.13	0.003
		R-1014	70.74-71.02	98.33	0.17	0.006
		R-1015	73.53-73.76	96.13	1.01	0.006
76.20-81.38	Limestone, medium to dark grey, massive to rubbly, highly calcareous abundant brachiopod fossils, sandy at base. Contact ?.					
81.38-84.43	No core recovered.					
84.43-86.47	Sandstone, medium to light grey, conglomeratic at top, calcareous at top grades to siltstone below, colour grades to red. Contact gradational.					
86.47-92.42	Siltstone, dark reddish brown, sandy at top, minor satin spar filled fractures parallel to bedding 80-85° to core axis. Contact erosional.					
92.42-93.67	Siltstone, light greyish green, minor satin spar filled fractures. Contact gradational.					
93.67-100.10	Siltstone, dark reddish brown, as above. Contact erosional.					
100.10-112.38	Gypsum, white to light grey, massive to nodular at base, increasing interstitial limestone towards base. Grades 85% at top, 50% at base. Contact gradational.	R-1016	101.15-101.47	79.12	1.72	0.026
		R-1017	104.44-104.80	79.75	0.67	0.009
		R-1018	107.52-107.87	79.75	0.73	0.008
		R-1019	111.40-111.68	82.28	2.74	0.005
112.38-124.05	Limestone, light brown at top grades to medium to dark grey at base, variably calcareous and fossiliferous, massive to 121.62 m blocky below, rubbly contact.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
124.05-125.27	Siltstone, medium reddish brown, sandy in part, blocky with some core missing.					
	End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: G. Adams

-----

Property:	Meadows Road, Occurrence 0001	Azimuth:	
Hole Number:	MR-86-2	Dip:	90°
Latitude:	46°00'35.11'	Started:	July 24, 1986
Longitude:	60°15'48.52'	Completed:	July 31, 1986
Elevation:	84.086 cm	Ultimate Depth:	111.86 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-41.76	Overburden.					
41.76-58.45	Siltstone, dark reddish brown, slumped material with abundant red clay infilling, rubbly at base.					
58.45-63.40	Limestone, medium to dark grey, calcareous, vuggy at top, very fossiliferous, +1.5 m core missing, rubbly in part. Contact gradational.					
63.40-69.19	Conglomerate, grades to sandstone, calcareous at top, light grey grades to red, +1.5 m core missing. Contact gradational.					
69.19-81.69	Siltstone, dark reddish brown, minor grey clay interbeds, laminae 80° to core axis. Contact erosional.					
81.69-92.42	Gypsum, white to light grey, nodular with abundant interstitial limestone and dolostone (base), abundant selenite towards base, 3 cm satin spar veinlet at base. Contact erosional.	R-1005	81.76-82.37	77.69	0.69	0.007
		R-1006	85.28-85.55	75.88	1.04	0.009
		R-1007	91.64-91.95	84.00	1.66	0.008

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
92.42-107.29	Limestone, light brown at top, medium to dark grey below, dolomitic at top to calcareous at bottom, lower half blocky to rubble with much core missing, mud filled cavity at base.					
107.29-111.86	Siltstone, reddish brown, in part conglomeratic mostly missing. End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: G. Adams

-----

Property:	Meadows Road, Occurrence 0001	Azimuth:	
Hole Number:	MR-86-3	Dip:	90°
Latitude:	46°10'2.04'	Started:	August 1, 1986
Longitude:	60°16'26.72'	Completed:	August 12, 1986
Elevation:	48.426 m	Ultimate Depth:	84.43 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-18.90	Overburden.					
18.90-28.35	Solution cavity, blocks of light brown limestone and white, nodular mosaic gypsum with red clay infilling.	R-1000		93.94	1.90	0.005
28.35-54.86	Siltstone, medium to dark reddish brown with light grey-green mottling, variably sandy and shaly and very minor conglomeratic interbed, laminae 80° to core axis, 53.34-53.80 m fracture filled with orange selenite. Contact erosional.					
54.86-55.90	Gypsum, light grey to orange, selenitic with dolomitic laminae at base. Contact is gradational.	R-1001	54.86-55.68	94.70	1.74	0.023
55.90-63.09	Anhydrite, light blue, massive with very minor interstitial dolostone and gypsum rosettes. Contact erosional.	R-1002 R-1003	56.08-56.39 62.79-63.09	7.74 6.12	82.94 73.38	0.023 0.026

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
63.09-63.67	Limestone, light brown with grey limestone interlaminae 85° to core axis. Contact gradational.					
63.67-66.35	Anhydrite, light blue, as above. Contact erosional.	R-1004	66.14-66.35	7.26	89.99	0.020
66.35-66.54	Limestone, light brown, medium grained, laminae 85° to core axis, sandy at base. Contact gradational.					
66.54-84.43	Sandstone, light grey at top to medium to dark reddish brown at bottom, conglomeratic throughout, laminae 80° to core axis. Satin spar filled fractures more abundant toward base.					
End of Hole.						

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: G. Adams

-----

<b>Property:</b>	Meadows Road, Occurrence 0001	<b>Azimuth:</b>	
<b>Hole Number:</b>	MR-86-4	<b>Dip:</b>	90°
<b>Latitude:</b>	46°01'4.94'	<b>Started:</b>	August 13, 1986
<b>Longitude:</b>	60°16'22.66'	<b>Completed:</b>	August 18, 1986
<b>Elevation:</b>	48.026 m	<b>Ultimate Depth:</b>	90.53 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-17.37	Overburden.					
17.37-29.35	Limestone, light brown to light grey, rubble with much core missing, some clay infilling, algal structures near base. Contact is erosional.					
29.35-34.44	Gypsum, white, massive mosaic to nodular mosaic with minor interstitial dolostone, vague dolomitic laminae at base, minor selenite in mid unit, grades +90%. Contact is erosional.	R-1024 R-1025 R-1026	29.41-29.69 31.84-32.10 33.91-34.21	98.24 97.19 92.55	2.31 2.69 2.32	0.006 0.007 0.008

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
34.44-37.61	Siltstone, light grey green at top to dark reddish brown at base, abundant satin spar filled fractures throughout, minor calcite along fractures. Contact erosional.					
37.61-45.54	Anhydrite, light blue, 25% gypsum most at top and base with some rosettes throughout, minor interstitial dolostone. Sandy at base.	R-1020	37.64-37.90	98.43	0.13	0.013
		R-1021	40.84-41.10	5.73	90.87	0.016
		R-1022	43.42-43.71	3.92	72.14	0.024
		R-1023	45.11-45.31	5.07	92.34	0.015
45.54-68.46	Sandstone, medium reddish brown except at top where light grey, several fining upwards cycles minor satin spar filled fractures, silty in mid unit and at base. Contact gradational.					
68.46-72.09	Siltstone, dark reddish brown mottled green, abundant satin spar filled fractures and selenite filled vugs. Contact erosional.					
72.09-80.19	Anhydrite, light blue, massive, hydrated zone 9 cm thick at top, minor siltstone interbeds near top. Contact erosional.	R-1027	72.24-72.52	20.64	73.73	0.017
		R-1028	75.36-75.64	5.73	89.36	0.012
		R-1029	78.84-79.15	4.97	90.90	0.011
80.19-80.77	Limestone, light grey, broken at top, minor dark grey siltstone interlaminae 80° to core axis. Contact gradational.					
80.77-83.36	Anhydrite, as above.	R-1030	80.76-81.08	4.30	65.67	0.035
		R-1031	82.98-83.21	3.54	88.26	0.012
83.36-83.67	Limestone, light olive grey, silty at top, sandy at base, minor algal material, laminae 80° to core axis. Contact gradational.					
83.67-90.53	Sandstone, grey green at top, variably silty conglomeratic, calcareous polymictic orthoconglomerate with granitic and metamorphic clasts.					
	End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: G. Adams

**Property:** Meadows Road, Occurrence 0001      **Azimuth:**  
**Hole Number:** MR-86-5      **Dip:** 90°  
**Latitude:** 46°01'26.64'      **Started:** August 22, 1986  
**Longitude:** 60°17'47.23'      **Completed:** August 22, 1986  
**Elevation:** 16.486 m      **Ultimate Depth:** 38.71 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-38.71	Overburden and clay filled karst topography. Abandoned hole.					

**Drilling Performed By:** Nova Scotia Department of Mines and Energy

**Geologist:** G. Adams

-----

**Property:** Meadows Road, Occurrence 0001      **Azimuth:**  
**Hole Number:** MR-86-6      **Dip:** 90°  
**Latitude:** 46°01'31.79'      **Started:** August 25, 1986  
**Longitude:** 60°17'46.83'      **Completed:** August 27, 1986  
**Elevation:** 16.196 m      **Ultimate Depth:** 44.81 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-44.81	Overburden and solution cavity. Abandoned hole.					

**Drilling Performed By:** Nova Scotia Department of Mines and Energy

**Geologist:** G. Adams

-----

**Property:** Meadows Road, Occurrence 0001      **Azimuth:**  
**Hole Number:** MR-86-7      **Dip:**  
**Latitude:** 46°01'47.59'      **Started:** August 28, 1986  
**Longitude:** 60°20'11.52'      **Completed:** September 5, 1986  
**Elevation:** 4.806      **Ultimate Depth:** 84.43 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-15.70	Overburden.					
15.70-16.00	Gypsum, light grey to white, nodular to nodular mosaic, abundant interstitial dolostone, laminae oriented parallel to core axis and minor interlaminae of siltstone 85° to core axis. Contact erosional.	R-1032	15.83-16.11	76.88	1.42	0.003
16.00-16.37	Gypsum, light grey, interlaminated gypsum and limestone/dolostone with abundant gypsum nodules. Contact erosional.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
16.37-16.52	Gypsum, as above, with laminae parallel to core axis. Contact erosional.					
16.52-16.61	Gypsum, light grey, nodular mosaic with common interstitial dolostone and limestone dolostone laminae at base. Contact erosional.					
16.61-16.82	Gypsum, light grey, with vague dolomitic interlaminae 80-85° to core axis minor selenite rosettes. Contact erosional.					
16.82-16.95	Gypsum, white to light grey, nodular mosaic with minor interstitial dolostone and dolostone laminae. Contact erosional.					
16.95-17.22	Gypsum, light grey, vague dolomitic interlaminae 80-85° to core axis. Contact erosional.					
17.22-17.37	Gypsum, white, nodular mosaic with abundant interstitial dolostone, minor limestone interbed near top of unit. Contact erosional.					
17.37-17.65	Gypsum, light grey, vague dolomitic interlaminae. Contact gradational.					
17.65-18.23	Gypsum, white, nodular mosaic with minor to abundant interstitial dolostone medium grained. Contact erosional.					
18.23-18.90	Gypsum, white interlaminae, as above. Contact erosional.	R-1033	18.59-18.95	92.79	2.57	0.005
18.90-19.03	Gypsum, white, nodular mosaic. Contact erosional.					
19.03-19.07	Limestone, medium to dark grey, fine grained, moderately calcareous. Contact erosional.					
19.07-19.17	Gypsum, light grey, vague laminae of dolostone, minor selenite crystals. Contact erosional.					
19.17-19.25	Limestone, as above. Contact erosional.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
19.25-19.66	Gypsum, white nodular mosaic with minor interstitial dolostone. Contact erosional.					
19.66-19.72	Limestone, medium grey, abundant satin spar filled fractures. Contact erosional.					
19.72-20.76	Gypsum, white, nodular mosaic, minor interstitial dolostone, minor selenite crystals near top and base. Contact erosional.					
20.76-20.77	Limestone, medium to dark grey, massive, medium- to fine-grained. Contact ?.					
20.77-22.86	Gypsum, white to light grey, nodular mosaic with minor interstitial dolostone, numerous small voids near base, anhydrite at base. Contact gradational.	R-1034	21.93-22.15	94.80	2.48	0.006
22.86-39.72	Anhydrite, light blue, nodular mosaic at top with minor interstitial dolostone, rest is massive, minor gypsum filled fractures mostly perpendicular to core axis, minor gypsum rosettes. Contact erosional.	R-1035	24.77-25.02	3.01	91.17	0.039
		R-1036	27.83-28.04	2.34	96.75	0.020
		R-1037	30.65-30.94	4.35	95.20	0.129
		R-1038	33.68-33.96	2.53	97.66	0.015
		R-1039	36.58-36.88	1.82	97.65	0.017
		R-1040	39.52-39.80	2.63	90.12	0.059
39.72-39.81	Limestone, medium to dark grey, massive, as above. Contact erosional.					
39.81-40.51	Anhydrite, light blue, massive with minor gypsum rosettes. Contact erosional.					
40.51-40.58	Limestone, medium to dark grey, fine grained, dense, moderately calcareous, dolomitic in part. Contact erosional.					
40.58-40.81	Anhydrite, light blue, as above. Contact erosional.					
40.81-40.87	Limestone/dolostone medium to dark grey, medium grained, calcareous at top and bottom, vertical gypsum filled fractures. Contact erosional.					
40.87-40.93	Anhydrite, light blue, as above. Contact erosional.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
40.93-41.00	Limestone/dolostone, as above. Contact erosional.					
41.00-41.94	Anhydrite, light blue, minor interstitial limestone, common gypsum rosettes in lower half of unit. Contact erosional.					
41.94-41.96	Dolostone, dark grey, as above. Contact erosional.					
41.96-42.37	Anhydrite, light blue, massive with minor gypsum rosettes. Contact erosional.	R-1041	42.37-42.62	7.17	85.32	0.067
42.37-42.40	Dolostone, dark grey, as above. Contact erosional.					
42.40-44.50	Anhydrite, light blue grey, massive at top to nodular mosaic and nodular below, minor to abundant interstitial limestone, abundant selenite throughout. Contact erosional.	R-1042	44.35-44.60	63.26	2.05	0.014
44.50-44.53	Dolostone, dark grey, fine grained, massive, as above. Contact erosional.					
44.53-47.66	Limestone, light grey to light brownish grey, algal in part, variably fossiliferous with crinoidal material, minor anhydrite at top and gypsum filled fractures throughout. Contact erosional.					
47.66-48.13	Gypsum, white, saccharoidal varying amounts of interstitial dolostone and limestone most common at top and base of unit. Contact erosional.					
48.13-48.52	Mudstone, medium to dark grey, silty in part with silty laminae 75-80° to core axis, minor satin spar filled fractures throughout 60-90° to core axis. Contact ?.					
48.52-48.65	Anhydrite breccia, light blue subrounded anhydrite clasts in medium grey mudstone matrix gypsum at base. Contact erosional.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
48.65-49.15	Mudstone, medium grey mottled dark red, gypsum filled fractures at top. Contact gradational.					
49.15-49.29	Anhydrite breccia, as above. Contact gradational.					
49.29-49.74	Mudstone, dark red massive, slightly silty with gypsum and salt filled fractures. Contact erosional.					
49.74-49.80	Anhydrite, light blue, massive nodules in red mudstone matrix. Contact gradational.					
49.80-51.45	Mudstone/siltstone, dark reddish brown, minor sandy interval in mid unit, gypsum filled fractures throughout. Contact gradational.					
51.45-52.00	Anhydrite breccia, as above. Contact erosional.					
52.00-53.95	Mudstone, dark red mottled grey green at base, variably silty, silty at base, gypsum filled fractures throughout. Contact gradational.					
53.95-54.74	Interlaminated mudstone, dolostone and anhydrite, medium to dark grey, 80-85° to core axis. Contact gradational.					
54.74-55.78	Mudstone, dark reddish brown with grey-green mottling and interlaminae. Contact gradational.					
55.78-56.27	Anhydrite breccia, as above, more anhydrite towards base. Contact gradational.					
56.27-79.61	Anhydrite, light blue, massive to nodular downwards with increasing interstitial mudstone, minor dark grey mudstone interbeds near base. Contact erosional.	R-1043	56.66-56.92	4.92	69.24	0.162
		R-1044	59.74-60.05	32.40	65.26	0.071
		R-1045	62.74-63.09	3.78	94.28	0.019
		R-1046	65.70-65.99	2.53	97.32	0.015
		R-1047	68.66-68.99	2.92	96.89	0.021
		R-1048	71.63-71.91	4.30	94.59	0.065
		R-1049	74.60-74.85	5.73	87.85	0.047
		R-1050	77.56-77.82	7.74	74.37	0.284
		R-1051	79.71-79.96	7.65	47.07	0.119

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
79.61-84.43	Shale, dark grey, varies to limestone/dolostone in part, slightly petroliferous, minor fossils. End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: G. Adams

-----

<b>Property:</b>	Meadows Road, Occurrence 0001	<b>Azimuth:</b>	
<b>Hole Number:</b>	MR-86-8	<b>Dip:</b>	90°
<b>Latitude:</b>	46°01'15.95'	<b>Started:</b>	September 8, 1986
<b>Longitude:</b>	60°18'33.78'	<b>Completed:</b>	September 11, 1986
<b>Elevation:</b>	23.956 cm	<b>Ultimate Depth:</b>	67.36 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-10.06	Overburden.					
10.06-11.28	Limestone, dark grey, highly calcareous, medium grained, scoriaceous in part, minor laminae 50° to core axis, cavity at base at contact with gypsum.					
11.28-23.47	Gypsum, white, massive to nodular mosaic much more missing at top and bottom probably solution cavities. Contact missing.	R-1055 R-1056	14.33-14.58 19.91-20.19	98.95 93.41	0.89 0.70	0.003 0.005
23.47-26.52	Siltstone, dark reddish brown, minor sandy material, minor calcite filled fractures, slightly calcareous in mid unit, 0.46 m core missing.					
26.52-32.61	Siltstone, dark reddish brown, calcareous only 1.7 m core, variably sandy increasing towards base. Contact ?.					
32.61-38.40	Mudstone breccia, dark reddish brown poorly consolidated, calcareous, possible solution cavity infilling. Contact ?.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
38.40-41.76	Gypsum, white, massive to nodular, only 2.13 m core recovered, probably cavity at base, minor to common interstitial calcareous mudstone. Contact ?.	R-1057	38.48-38.71	95.75	2.06	0.004
		R-1058	41.32-41.63	91.55	2.58	0.007
41.76-57.00	Cavity, only 0.91 m core recovered, minor limestone and sandy siltstone recovered.					
57.00-61.72	Siltstone, dark reddish brown, sandy to conglomeratic in part with poorly sorted polymictic clasts (quartz, red and green siltstone and metamorphics), highly calcareous throughout. Only 1.2 m core recovered in top 3.0 m of unit. Cavity at base.					
61.72-66.32	Siltstone, dark reddish brown, sandy, scoriaceous, minor conglomeratic interbed in mid unit, shaly towards base. Contact gradational.					
66.32-67.36	Siltstone and shale interlaminated, dark reddish brown with minor grey mottling, laminae 80-85° to core axis.					
	End of Hole.					

**Drilling Performed By:** Nova Scotia Department of Mines and Energy

**Geologist:** G. Adams

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Mount Denson, Occurrence 0005	<b>Azimuth:</b>	
<b>Hole Number:</b>	1/305 A	<b>Dip:</b>	
<b>Latitude:</b>	Not Available	<b>Started:</b>	
<b>Longitude:</b>	Not Available	<b>Completed:</b>	
<b>Elevation:</b>	37 m	<b>Ultimate Depth:</b>	192 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-57.91	Overburden.					
57.91-93.20	Gypsum, white to grey white, variable interstitial to inter-laminated dark grey dolostone, grades to anhydrite in part.	R-1512	58.37-58.65	98.52	0.11	0.007
		R-1513	60.96-61.22	99.19	0.87	0.006
		R-1514	62.41-62.71	99.81	0.48	0.005
		R-1515	63.73-64.01	99.38	0.70	0.006
		R-1516	65.40-65.71	99.91	0.66	0.004
		R-1517	66.70-67.06	93.65	7.30	0.005
		R-1518	68.15-68.45	99.00	0.82	0.005
		R-1519	69.67-70.00	84.95	15.83	0.006
		R-1520	71.22-71.53	53.85	46.33	0.002
		R-1521	72.57-72.95	45.73	54.61	0.004
		R-1522	74.17-74.47	94.37	5.61	0.005
		R-1523	75.67-75.94	82.13	14.91	0.008
		R-1524	77.09-77.37	80.03	17.26	0.005
		R-1525	78.46-78.79	31.34	69.19	0.006
		R-1526	79.86-80.14	92.22	7.58	0.005
		R-1527	81.00-81.31	73.77	24.92	0.008
R-1528	82.75-83.08	75.06	24.12	0.010		
R-1529	84.20-84.31	97.52	1.22	0.009		
R-1530	85.80-86.08	97.71	1.77	0.015		
R-1531	87.30-87.58	86.39	12.79	0.009		
R-1532	88.72-89.05	98.33	0.80	0.006		
R-1533	92.48-92.84	96.90	0.92	0.008		
93.20-99.60	Cavity, partially infilled by muddy limestone, dark grey.					
99.60-102.30	Sandstone, medium grey, medium grained, calcareous.					
102.30-192.00	Interbedded sandstones and siltstones of the Cheverie Formation.					
	End of Hole.					

**Drilling Performed By:** Maritime Diamond Drilling

**Geologist:** G. Adams

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Upper Falmouth, Occurrence 0007	<b>Azimuth:</b>	
<b>Hole Number:</b>	1/309	<b>Dip:</b>	
<b>Latitude:</b>	Not Available	<b>Started:</b>	
<b>Longitude:</b>	Not Available	<b>Completed:</b>	
<b>Elevation:</b>	15 m	<b>Ultimate Depth:</b>	156.60 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-21.64	Overburden.					
21.64-22.51	Anhydrite, light blue, minor to common gypsum along fractures.	R-1597	21.64-21.97	15.10	83.14	0.012
22.51-23.16	Gypsum, brownish white, distorted nodular, minor interstitial black limestone.	R-1598	22.53-22.94	98.05	0.54	0.009
23.16-23.73	Anhydrite, light grey, common hydration along fractures perpendicular to core axis.					
23.73-71.70	Anhydrite, light blue, massive, minor interstitial grey-brown limestone.	R-1599	24.03-24.38	3.15	95.36	0.013
		R-1600	26.97-27.28	1.96	97.80	0.019
		R-1601	30.07-30.38	1.63	96.28	0.014
		R-1602	32.97-33.25	1.82	96.64	0.013
		R-1603	34.90-35.18	3.11	95.81	0.015
		R-1604	37.77-38.08	3.30	93.17	0.012
		R-1605	40.74-41.07	2.44	97.05	0.014
		R-1606	43.64-43.97	3.06	95.88	0.016
		R-1607	46.53-46.84	2.68	90.78	0.013
		R-1608	49.51-49.78	2.49	96.08	0.006
		R-1609	52.45-52.78	3.44	90.87	0.014
		R-1610	55.37-55.65	3.01	94.00	0.015
		R-1611	58.24-58.55	2.15	93.20	0.015
		R-1612	61.19-61.47	3.78	92.78	0.015
		R-1613	64.16-64.47	2.69	93.58	0.011
R-1614	67.06-67.31	2.68	94.30	0.010		
R-1615	70.10-70.41	2.49	97.05	0.013		
71.70-72.54	Anhydrite, light blue, massive with numerous fractures with recrystallized anhydrite parallel to core axis.					
72.54-81.48	Anhydrite, light blue, massive, minor interstitial grey-brown limestone.	R-1616	73.15-73.43	3.68	95.44	0.014
		R-1617	76.28-76.50	3.01	95.14	0.012
		R-1618	79.25-79.55	3.25	94.88	0.012
81.48-82.07	Anhydrite, light blue, massive with dark grey limestone interbeds 90° to core axis at base of unit.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
82.07-82.30	Limestone, medium grey to grey brown, organic stringers 60-70° to core axis.					
82.30-94.49	Anhydrite, light blue, massive, minor patches of interstitial light brown limestone increasing towards base.	R-1619	82.60-82.55	4.16	88.75	0.013
		R-1620	85.34-85.67	3.15	96.71	0.013
		R-1621	88.39-88.70	3.25	90.91	0.017
		R-1622	91.44-91.74	0.86	97.64	0.015
		R-1623	94.21-94.49	0.91	98.40	0.013
94.49-95.20	Limestone, medium grey, abundant gypsum/anhydrite patches at top and base.					
95.20-102.11	Anhydrite, light blue, massive, minor interstitial light brown limestone.	R-1624	97.26-97.54	0.96	97.22	0.013
		R-1625	100.28-100.58	1.58	97.92	0.011
		R-1626	101.86-103.11	1.15	95.11	0.011
102.11-103.00	Gypsum, light grey, abundant dolostone/limestone patches and stringers.					
103.00-103.30	Dolostone, medium grey, massive, rubbly, cut by satin spar filled fractures.					
103.30-104.30	Gypsum, as above.					
104.30-105.60	Dolostone, as above.					
105.60-156.60	Interbedded sandstones and siltstones of the Cheverie Formation and sandstone and shales of the Horton Bluff Formation.					
	End of Hole.					

**Drilling Performed By:** Maritime Diamond Drilling

**Geologist:** G. Adams

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Three Mile Plains, Occurrence 0009	<b>Azimuth:</b>	
<b>Hole Number:</b>	1/306	<b>Dip:</b>	
<b>Latitude:</b>	Not Available	<b>Started:</b>	
<b>Longitude:</b>	Not Available	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	304 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-8.23	Overburden.					
8.23-22.86	Anhydrite, blue grey, massive with several thin fractures 90° to core axis infilled by grey gypsum.	R-1534	8.23-8.53	10.27	88.55	0.010
		R-1535	11.28-11.58	2.25	96.46	0.011
		R-1536	14.07-14.40	2.10	98.82	0.014
		R-1537	16.92-17.20	1.63	95.82	0.009
		R-1538	19.38-20.17	4.01	94.46	0.008
22.86-60.96	Anhydrite, blue grey, massive, minor gypsum filled fractures 20° to core axis.	R-1539	22.81-23.06	3.06	95.83	0.012
		R-1540	24.38-24.69	2.58	95.88	0.016
		R-1541	27.46-27.79	2.82	96.00	0.009
		R-1542	30.48-30.81	2.63	95.51	0.006
		R-1543	33.17-33.48	2.25	96.05	0.006
		R-1544	36.04-36.32	2.29	96.67	0.007
		R-1545	38.91-39.19	2.01	95.98	0.009
		R-1546	41.93-42.27	6.31	90.27	0.013
		R-1547	46.18-46.48	3.20	96.18	0.012
		R-1548	49.10-49.40	4.11	93.82	0.008
		R-1549	52.12-52.40	3.06	94.83	0.010
		R-1550	54.86-55.17	3.35	94.50	0.010
R-1551	48.01-48.32	2.53	96.42	0.012		
60.96-68.58	Anhydrite, blue grey, massive, gypsum filled fractures 90° to core axis.	R-1552	60.96-61.29	4.30	93.93	0.011
		R-1553	63.65-63.93	3.20	94.10	0.011
		R-1554	67.06-67.36	2.96	93.41	0.012
68.58-68.99	Anhydrite, as above, contains 30 mm long selenite crystals.					
68.99-82.81	Anhydrite, blue grey, massive, minor interstitial dolostone.	R-1555	70.10-70.36	2.72	93.83	0.013
		R-1556	73.15-73.41	2.68	91.85	0.013
		R-1557	76.20-76.48	2.06	95.33	0.009
		R-1558	79.25-79.50	1.86	98.25	0.012
		R-1559	82.30-82.58	2.49	97.35	0.012
82.81-82.86	Cavity infilled by mottled grey calcareous mudstone.					
82.86-83.95	Anhydrite, light blue, massive, cut by numerous gypsum filled fractures 90° to core axis.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
83.95-101.12	Anhydrite, light blue, massive minor interstitial limestone.	R-1560	85.12-85.42	2.01	97.32	0.012
		R-1561	88.01-88.37	2.25	97.27	0.013
		R-1562	91.01-91.34	3.30	96.25	0.023
		R-1563	93.88-94.23	2.44	96.19	0.064
		R-1564	96.98-97.28	2.25	95.09	0.011
		R-1565	99.87-100.20	2.20	90.76	0.015
		R-1566	100.76-101.07	7.31	74.73	0.016
101.12-101.57	Limestone, medium grey, fossiliferous with crinoid stems, laminae 70° to core axis.					
101.57-159.11	Anhydrite, blue grey, massive, <5% interstitial dolostone, minor gypsum rosettes.	R-1567	103.35-103.61	3.11	95.62	0.010
		R-1568	106.40-106.68	3.11	96.37	0.010
		R-1569	109.42-109.73	1.82	97.37	0.011
		R-1570	112.47-112.78	1.91	96.14	0.008
		R-1571	115.37-115.70	1.67	95.89	0.007
		R-1572	118.57-118.87	1.48	97.66	0.008
		R-1573	121.39-121.66	1.15	98.33	0.008
		R-1574	124.54-124.87	1.48	97.88	0.007
		R-1575	127.69-128.02	2.06	97.85	0.010
		R-1576	130.63-130.96	2.29	97.45	0.010
		R-1577	133.78-134.09	1.63	98.07	0.008
		R-1578	136.70-136.98	3.25	96.34	0.009
		R-1579	137.18-137.44	1.53	97.67	0.010
		R-1580	140.21-140.46	4.73	94.01	0.009
		R-1581	143.26-143.56	2.10	97.73	0.008
		R-1582	146.30-146.58	2.77	94.49	0.011
		R-1583	149.05-149.35	7.36	91.42	0.006
R-1584	152.10-152.40	2.96	96.01	0.010		
R-1585	155.09-155.35	3.63	95.41	0.011		
R-1586	157.48-157.79	4.54	94.32	0.013		
R-1587	158.80-159.11	2.63	92.69	0.009		
159.11-160.32	Interbedded and interlaminated dolostone and light grey gypsum.					
160.32-169.26	Anhydrite, blue grey, massive, minor to common interstitial grey silt and grey-brown limestone.	R-1588	161.64-161.93	6.93	89.98	0.009
		R-1589	163.73-164.01	14.48	84.43	0.007
		R-1590	165.38-165.71	52.75	46.60	0.005
		R-1591	167.13-167.46	14.38	85.54	0.006
169.26-173.99	Mudstone/gypsum intermixed grey calcareous mudstone with abundant satin spar filled fractures.	R-1592	171.83-172.14	92.65	1.90	0.005
		R-1593	173.41-173.74	95.80	1.09	0.006
173.99-174.75	Dolostone, light grey brown, thin gypsum filled fractures, minor organics.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
174.75-177.80	Gypsum, selenite for most part, abundant interstitial grey limestone in part.	R-1594	174.75-175.06	99.38	0.75	0.004
		R-1595	176.43-176.76	98.81	1.15	0.005
		R-1596	177.42-177.67	97.23	0.31	0.005
177.80-179.90	Limestone, grey green, laminated 80-85° to core axis, rubbly at base.					
179.90-277.00	Interbedded, siltstones and sandstones of the Cheverie Formation.					
277.00-299.50	Interbedded and interlaminated shales and sandstones of the Horton Bluff Formation.					
299.50-304.00	Meguma Basement. End of Hole.					

**Drilling Performed By:** Maritime Diamond Drilling

**Geologist:** G. Adams

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

**Property:** Dundee, Occurrence 0014  
**Hole Number:** KC-BR-2  
**Latitude:** 45°41'33'  
**Longitude:** 61°07'26'  
**Elevation:**

**Azimuth:**  
**Dip:**  
**Started:**  
**Completed:**  
**Ultimate Depth:** 93.88 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-4.75	Overburden.					
4.75-5.79	Gypsum, white, dense, fine grained, minor interstitial black siltstone.					
5.79-6.71	Cavity, minor gypsum fragments.					
6.71-7.28	Gypsum, white, as above.					
7.28-7.41	Cavity, infilled by light grey-green mudstone.					
7.41-7.77	Gypsum, white, saccharoidal.					
7.77-8.05	Cavity, infilled, as above.					
8.05-8.78	Gypsum, white, as above, with common interstitial black calcareous siltstone.					
8.78-9.20	Cavity, infilled by grey-green mudstone with gypsum clasts.					
9.20-10.42	Gypsum, white, 60% fine grained, 30% satin spar, 10% selenitic minor interstitial black limestone.					
10.42-12.13	Cavity, infilled by grey-green to reddish-brown siltstone/mudstone.					
12.13-12.28	Gypsum, white 50% fine grained, 50% satin spar.					
12.28-14.72	Anhydrite, light grey, massive, dense.					
14.72-15.54	Anhydrite, white, gypsiferous, common interstitial black dirty dolostone.					
15.54-16.82	Gypsum, white, slightly anhydritic, common interstitial black dolostone.					
16.82-17.04	Dolostone.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
17.04-18.90	Mudstone, medium grey green, gypsiferous.					
18.90-20.21	Collapse breccia, grey-green sandstone and siltstone clasts in red, grey-green mudstone matrix.					
20.21-20.39	Gypsum, white, fine grained dense.					
20.39-21.58	Collapse breccia, as above.					
21.58-22.34	Gypsum, white, 50% satin spar, 50% fine grained.	R-1455	21.79-22.15	98.05	2.0	0.006
22.34-22.80	Collapse breccia, reddish brown, as above.					
22.80-23.50	Gypsum, white, as above, minor interstitial brown-grey limestone.					
23.50-23.80	Collapse breccia, reddish brown, as above.					
23.80-24.90	Gypsum, white, 80% satin spar, 20% fine grained.					
24.90-25.63	Anhydrite, light grey, massive, dense.					
25.63-26.00	Gypsum, medium grey, as above, minor interstitial dark grey limestone.	R-1456	25.96-26.37	82.90	2.75	0.006
26.00-26.52	Gypsum, medium grey, common interstitial dark grey limestone.					
26.52-27.43	Gypsum, white, as above.					
27.43-27.92	Siltstone, breccia, reddish brown.					
27.92-29.02	Gypsum, anhydritic, white to medium grey, massive dense.	R-1457	28.12-28.45	86.48	13.56	0.003
29.02-30.33	Siltstone, breccia, as above.					
30.33-32.80	Gypsum, white, massive, fine grained, minor interstitial black limestone.	R-1458 R-1459	30.78-31.07 32.46-32.79	96.99 96.56	2.46 2.61	0.007 0.005
32.80-32.92	Shale, breccia, grey green, thinly laminated 45° to core axis.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
32.92-33.10	Limestone, dark grey to black, massive, dense minor gypsum and celestite.					
33.10-34.32	Siltstone breccia, reddish brown to grey green, clasts in calcareous mudstone matrix.					
34.32-34.84	Gypsum, white, fine grained, dense.	R-1460	34.54-34.80	97.66	2.27	0.004
34.84-35.36	Anhydrite, light grey brecciated.					
35.36-35.75	Siltstone, medium grey green, brecciated.					
35.75-37.73	Gypsum, medium grey, massive, dense, minor reddish-brown interbeds.	R-1461	35.87-36.17	90.78	2.41	0.004
37.37-38.16	Gypsum, light grey, anhydritic, massive, dense, 20% anhydrite.					
38.16-38.31	Limestone, medium to dark grey, gypsiferous, massive, dense, fine grained, 40% gypsum.					
38.31-38.44	Siltstone, reddish brown, brecciated, as above.					
38.44-38.65	Sandstone, medium to dark grey, calcareous.					
38.65-39.01	Gypsum, white, common interstitial reddish-brown siltstone.					
39.01-40.26	Breccia, reddish brown to grey green, siltstone, limestone and celestite in mudstone matrix.					
40.26-43.37	Siltstone, reddish brown, massive, soft with increasing blebs of white gypsum towards base up to 60% gypsum.					
43.37-46.91	Gypsum, light to medium grey, anhydrite up to 20%, minor selenite.					
46.91-53.37	Anhydrite, light grey, variably gypsiferous decreasing towards base of unit.	R-1462	43.97-44.27	96.09	2.41	0.006
		R-1463	48.39-48.72	61.25	36.40	0.010
		R-1464	49.68-50.04	20.26	70.19	0.007
		R-1465	51.31-51.61	30.58	62.55	0.007
		R-1466	52.93-53.24	9.13	87.15	0.004

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
53.37-53.74	Siltstone, reddish brown, massive, dense, 30% included anhydrite.					
53.74-60.35	Anhydrite, light to medium grey, massive, dense, common selenite rosettes, minor interstitial red silt.	R-1467	56.16-56.49	9.37	75.70	0.007
60.35-60.81	Siltstone, reddish brown, as above.					
60.81-62.64	Anhydrite, light to medium grey, minor interstitial siltstone.					
62.64-63.52	Gypsum, white, fine grained, dense.					
63.52-64.31	Siltstone, medium grey green, calcareous, thinly laminated minor gypsum filled fractures.					
64.31-69.49	Limestone, medium grey brown, thinly laminated, fine grained.					
69.49-71.99	Limestone, medium to dark grey, massive, very fine grained.					
71.99-86.70	Limestone, medium to dark grey, massive, very fine grained, fossiliferous, brachiopod shells.					
86.70-89.46	Conglomerate, much core missing.					
89.46-89.67	Limestone, dark grey to black, massive, dense fine grained.					
89.67-91.07	Sandstone, medium grey green, coarse grained, massive, dense, minor sulphides.					
91.07-93.88	Basement, ? medium grained granodiorite.					
	End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: S. Forgeron

-----

Property: Dundee, Occurrence 0014  
Hole Number: KC-BR-3  
Latitude: 45°41'59'  
Longitude: 61°07'25'  
Elevation:

Azimuth:  
Dip:  
Started:  
Completed:  
Ultimate Depth: 74.98 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-10.67	Overburden.					
10.67-12.19	Muddy gypsum, medium grey to white, massive, about 40% mudstone.					
12.19-13.59	Cavity.					
13.59-15.54	Limy gypsum, white to dark grey, fine grained, dense gypsum with 30% limestone fragments scattered throughout.					
15.54-16.40	Limestone, black, dense, very fine grained, appears algal cut by calcite filled fractures.					
16.40-17.04	Mudstone, medium grey, massive, dense, bottom 30 cm cut by fractures filled by satin spar.					
17.04-19.26	Gypsum, white to light grey, top half contains up to 20% mudstone fragments, bottom massive with minor selenite crystals.					
19.26-22.62	Gypsiferous anhydrite, medium to dark grey, massive dense.					
22.62-23.35	Mudstone, black, calcareous, massive, dense, cut by satin spar filled fractures.					
23.35-24.60	Gypsum, dirty, medium to dark grey, massive, dense, 50% mudstone, 50% gypsum.					
24.60-29.02	Limestone/muddy gypsum, medium to dark grey, massive, dense interbedded 50% gypsum, 40% limestone, 10% mudstone.					
29.02-29.29	Mudstone, black, massive, dense, cut by satin spar filled fractures.					
29.29-31.24	Dolomitic, dark brown to black, massive, grades to limestone in mid unit back to dolostone at base. Sandstone, medium grey green, massive, dense, medium-to coarse-grained.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
33.10-35.54	Mudstone, dark grey, massive, dense, cut by gypsum filled fractures.					
35.54-56.60	Anhydrite, light grey to reddish brown, massive, dense minor gypsum at top and base, selenite crystals throughout.	R-1491	37.97-38.25	87.82	0.45	0.025
		R-1492	41.05-41.40	25.04	68.03	0.038
		R-1493	42.27-42.57	26.09	66.09	0.026
		R-1494	44.04-44.35	39.04	57.54	0.012
		R-1495	45.70-46.00	42.86	49.69	0.016
		R-1496	47.04-47.32	25.85	59.31	0.012
		R-1497	48.64-48.94	36.70	53.36	0.014
		R-1498	50.32-50.88	21.84	74.88	0.008
		R-1499	53.70-54.03	38.56	48.99	0.012
		R-1500	55.22-55.57	98.14	1.41	0.007
R-1501	56.44-56.74	71.14	0.93	0.009		
56.60-58.00	Limestone, medium to dark grey, massive, dense.					
58.00-58.49	Gypsum, white to brown, massive, dense, fine grained common selenite crystals.					
58.49-69.37	Limestone, medium grey to black, massive, dense, vague bedding 5° to core axis near top.					
68.37-70.50	Sandstone, light to medium grey, medium grained, moderate to highly calcareous, bedding 5-10° to core axis.					
70.50-71.11	Conglomerate, medium grey green, large basement clasts in a calcareous sandy matrix.					
71.11-72.60	Andesite, dark grey green, aphanitic, very dense, cut by a few quartz filled fractures.					
72.60-74.98	Granodiorite, pinkish green, aphanitic very dense a few quartz and calcite filled fractures.					
	End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: S. Forgeron

-----

Property: Dundee, Occurrence 0014  
 Hole Number: KC-BR-5  
 Latitude: 45°41'59"  
 Longitude: 61°07'20"  
 Elevation:

Azimuth:  
 Dip:  
 Started:  
 Completed:  
 Ultimate Depth: 26.82 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-5.49	Overburden.					
5.49-7.19	Lost core.					
7.19-7.62	Breccia, pebbles of light grey, coarse sandstone and reddish-brown siltstone in a sandy, calcareous siltstone matrix.					
7.62-9.97	Lost core.					
9.97-11.98	Gypsum, white, fine grained.					
11.98-12.31	Collapse breccia, fragments of reddish-brown siltstone, green-grey sandstone and black limestone in a silty matrix cut by stringers of satin spar.					
12.31-12.44	Gypsum, white, fine grained.					
12.44-13.14	Collapse breccia, as above.					
13.14-15.94	Gypsum, light grey, massive, dense, anhydritic.	R-1484	12.93-13.23	97.95	0.80	0.002
15.94-19.69	Gypsum, light grey to white, massive, dense, very fine grained.	R-1485	16.61-16.94	86.34	3.82	0.007
		R-1486	17.78-18.11	93.79	3.63	0.010
		R-1487	19.00-19.33	93.89	3.37	0.011
19.69-24.14	Anhydrite, light to medium grey, massive, dense, frequent selenite rosettes, minor to common gypsum.	R-1488	21.16-21.51	23.65	65.59	0.017
		R-1489	22.53-22.78	16.53	77.97	0.011
		R-1490	23.80-24.13	47.35	49.01	0.008
24.14-24.78	Gypsum, white, fine grained.					
24.78-26.82	Gypsum, anhydritic, slightly silty.					
	End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: S. Forgeron

-----

Property: Dundee, Occurrence 0014  
 Hole Number: KC-BR-11  
 Latitude: 45°41'38"  
 Longitude: 61°05'26"  
 Elevation:

Azimuth:  
 Dip:  
 Started:  
 Completed:  
 Ultimate Depth: 65.84 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-26.64	Overburden.					
26.64-29.32	Collapse breccia, grey-green to reddish-brown mud matrix with green-grey siltstone and dark grey limestone clasts.					
29.32-32.61	Lost core.					
32.61-33.16	Limestone, dark grey to black, massive, fine grained.					
33.16-35.97	Lost core.					
35.97-36.98	Limestone, dark grey to black, massive, contains algal buns.					
36.98-41.64	Lost core.					
41.64-45.72	Limestone, dark grey to black, fractured, healed by calcite, fossiliferous, small rugose coral.					
45.72-48.16	Lost core.					
48.16-54.56	Siltstone, reddish brown mottled green grey, only 1.74 m recovered.					
54.56-55.05	Lost core.					
55.05-55.66	Gypsum, white, fine grained.					
55.66-58.89	Anhydrite, light grey, common gypsum along fractures.	R-1479	58.52-58.83	16.39	83.95	0.008
58.89-59.56	Gypsum, light grey, fine grained.					
59.56-59.98	Siltstone breccia, reddish brown, slightly calcareous.					
59.98-60.35	Gypsum, light grey.	R-1480	60.05-60.35	97.95	1.70	0.004
60.35-65.84	Anhydrite, light grey, minor gypsum along fractures.	R-1481 R-1482	62.97-63.25 65.51-65.84	9.51 10.13	88.56 87.72	0.010 0.019
	End of Hole.					

**Drilling Performed By:** Nova Scotia Department of Mines and Energy

**Geologist:** G. Adams

-----

**Property:** Dundee, Occurrence 0014  
**Hole Number:** KC-BR-15  
**Latitude:** 45°41'49"  
**Longitude:** 61°05'03"  
**Elevation:**

**Azimuth:**  
**Dip:**  
**Started:**  
**Completed:**  
**Ultimate Depth:** 60.05 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-5.18	Overburden, 0.73 m of core recovered consisting of granitic material, siltstone and limy sandstone.					
5.18-14.33	Limestone pebbles, 1.65 m of core recovered as angular pebbles of medium brown, dark grey and light grey limestone.					
14.33-17.37	Mud, reddish brown, 1.07 m of core recovered, very soft.					
17.37-20.42	Siltstone, reddish brown, 1.31 m of core recovered, massive, soft, slightly calcareous, traces of gypsum.					
20.42-23.47	Gypsum, light grey white, 0.37 m of core recovered, fine grained, dense.					
23.47-23.90	Cavity, minor gypsum and siltstone/mud clasts infilling.					
23.90-26.06	Siltstone, reddish brown, soft, massive, minor satin spar.					
26.06-40.69	Gypsum, white, massive, fine-to medium-grained, minor interstitial grey-brown limestone, grades to anhydrite at base of unit.	R-1470	26.69-27.05	97.52	2.43	0.001
		R-1471	29.57-29.89	91.31	2.19	0.011
		R-1472	32.61-32.97	94.75	1.61	0.004
		R-1502	34.14-34.44	95.99	0.31	0.005
		R-1503	37.34-37.72	98.43	0.91	0.005
		R-1504	39.09-39.40	98.95	0.77	0.004
40.69-49.13	Anhydrite, medium to light grey, massive, dense, minor interstitial dark grey limestone.	R-1505	40.56-40.89	55.86	42.55	0.013
		R-1506	41.99-42.29	7.55	89.81	0.009
		R-1507	45.13-45.46	6.50	93.79	0.009
49.13-49.72	Limestone, medium grey brown, massive brecciated fractures filled by anhydrite.	R-1508	48.31-48.62	23.56	62.04	0.023
49.72-50.05	Mudstone, light grey, massive, soft, cut by gypsum filled fractures.					
50.05-53.52	Anhydrite, medium grey, massive, dense, minor to common interstitial grey-brown limestone at base.	R-1509	51.26-51.54	10.70	81.94	0.005
		R-1510	52.68-52.96	7.07	88.18	0.004
		R-1511	54.00-54.30	16.48	58.23	0.010
53.52-54.07	Limestone, medium grey brown, as above.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
54.07-55.44	Anhydrite, light to medium grey, as above.					
55.44-56.14	Mudstone, reddish brown mottled green grey, massive, dense, cut by numerous satin spar filled fractures.					
56.14-56.81	Anhydrite, medium grey, massive, dense.					
56.81-57.58	Mudstone, light grey, massive, dense, soft.					
57.58-60.05	Anhydrite, medium grey, as above.					
	End of Hole.					

**Drilling Performed By:** Nova Scotia Department of Mines and Energy

**Geologist:** S. Forgeron

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Loch Lomond, Occurrence 0027	<b>Azimuth:</b>
<b>Hole Number:</b>	KC-112	<b>Dip:</b>
<b>Latitude:</b>	Not Available	<b>Started:</b>
<b>Longitude:</b>	Not Available	<b>Completed:</b>
<b>Elevation:</b>		<b>Ultimate Depth:</b> 249.33 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-14.94	Overburden.					
14.94-23.77	Sandstone.					
23.77-26.82	Shale and siltstone.					
26.82-32.92	Sandstone and gypsum.					
32.92-35.97	Dolomitic sandstone, shale and gypsum.					
35.97-41.45	Dolomitic sandstone.					
41.45-42.52	Argillaceous sandstone.					
42.52-63.70	Sandstone.					
63.70-69.04	Limestone.					
69.04-70.77	Claystone.					
70.77-81.23	Sandstone.					
81.23-82.60	Limestone.					
82.60-84.12	Sandstone.					
84.12-87.93	Limestone.					
87.93-88.09	Shale.					
88.09-88.73	Limestone.					
88.73-96.50	Sandstone and conglomerate sandstone.					
96.50-100.71	Limestone.					
100.71-101.50	Sandstone and conglomerate.					
101.50-103.51	Limestone conglomerate.					
103.51-104.00	Sandstone.					
104.00-104.30	Conglomerate.					
104.30-112.93	Limestone.					
112.93-116.59	Conglomerate.					
116.59-121.98	Sandstone.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
121.98-133.32	Conglomerate or breccia minor SrSO <sub>4</sub> .					
133.32-135.54	Limestone, fine grains of SrSO <sub>4</sub> .					
135.54-137.16	Breccia, few fragments of SrSO <sub>4</sub> .					
137.16-138.29	SrSO <sub>4</sub> .					
138.29-145.39	Breccia, scattered SrSO <sub>4</sub> .					
145.39-146.43	Limestone, heavy core of fine grained SrSO <sub>4</sub> .					
146.43-149.94	Interbedded red and grey-green siltstone and orange satin spar.					
149.94-151.49	Gypsum, grey white, nodular, common interstitial grey-green siltstone and grey-brown limestone.	R-1627	151.05-151.41	94.89	2.56	0.008
151.49-165.20	Anhydrite, light grey, massive, minor interstitial grey gypsum along fractures near top, minor interstitial grey-brown limestone, in part grades to dolomitic limestone at base.	R-1628	152.25-152.55	1.91	97.91	0.010
		R-1629	153.82-154.15	3.35	96.13	0.010
		R-1630	154.97-155.27	3.54	95.55	0.012
		R-1631	157.05-157.38	3.54	94.62	0.011
		R-1632	158.93-159.26	2.77	92.49	0.009
		R-1633	160.40-160.71	3.92	91.14	0.009
		R-1634	162.10-162.38	2.49	87.92	0.008
		R-1635	163.55-163.85	2.87	88.46	0.011
		R-1636	164.95-165.28	2.25	84.01	0.008
165.20-173.49	Dolostone, grey brown, common to abundant included light grey anhydrite.					
173.49-175.99	Limestone, grey brown.					
175.99-177.14	Dolostone, grey brown, as above.					
177.14-198.97	Anhydrite, grey white, nodular to nodular mosaic, top 4.6 m have been sampled previously.	R-1637	181.91-198.22	2.53	97.03	0.005
		R-1638	183.18-183.51	2.96	96.89	0.008
		R-1639	185.45-185.75	3.49	96.88	0.008
		R-1640	186.79-187.10	2.10	92.86	0.008
		R-1641	188.54-188.80	2.63	95.66	0.006
		R-1642	189.97-190.27	3.97	94.16	0.008
		R-1645	191.11-191.41	2.96	94.54	0.006
		R-1646	192.61-192.91	2.87	97.46	0.006
		R-1647	194.08-194.41	3.06	97.07	0.009
		R-1648	195.58-195.86	2.63	97.65	0.011
		R-1649	196.90-197.25	6.45	91.21	0.007
198.97-200.99	Dolomitic sandstone.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
200.99-204.34	Limestone.					
204.34-206.53	Anhydrite.					
206.53-207.29	Sandstone.					
207.29-214.88	Anhydrite, light blue, massive, grades in gypsum towards base to nodular, minor to common interstitial grey-brown dolostone.	R-1650	208.48-208.79	4.11	95.73	0.008
		R-1651	210.24-210.57	4.40	95.50	0.006
		R-1652	212.14-212.40	20.26	76.01	0.005
		R-1643	212.83-213.16	9.32	83.05	0.006
		R-1644	214.40-214.68	10.99	72.92	0.008
214.88-215.52	Limestone.					
215.52-225.25	Sandstone.					
225.25-232.26	Limestone.					
232.26-233.14	Sandstone.					
233.14-233.45	Shale.					
233.45-245.52	Conglomerate.					
245.52-249.33	Basement rocks.					
	End of Hole.					

**Drilling Performed By:** Nova Scotia Department of Mines and Energy

**Geologist:** G. Adams

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Rear Balls Creek, Occurrence 0029	<b>Azimuth:</b>	
<b>Hole Number:</b>	FV-1	<b>Dip:</b>	
<b>Latitude:</b>	46°08'08"	<b>Started:</b>	
<b>Longitude:</b>	60°20'10"	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	78.33 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-2.13	Overburden.					
2.13-17.56	Interbedded reddish-brown siltstone and grey-green sandstone dips 15-25° to core axis, moderately calcareous, some core missing at base of unit.					
17.56-20.79	Mudstone/gypsum, 40% fine grained, white gypsum and satin spar in grey-green mudstone matrix.					
20.79-22.86	Gypsum, white, massive, dense, minor interstitial siltstone and selenite rosettes throughout.					
22.86-23.50	Mudstone/gypsum, 30% gypsum, as above.					
23.50-60.23	Interbedded reddish-brown siltstone and sandstone dips 23-29° to core axis, slightly calcareous.					
60.23-62.76	Limestone, medium- to light-brown, massive, fine grained fractured.					
62.76-65.32	Gypsum, white, massive, dense, fine grained, minor selenite rosettes, minor to common interstitial grey dolostone.	R-1446	62.76-63.09	84.86	0.97	0.005
		R-1447	64.31-64.67	89.68	0.64	0.007
65.32-73.15	Anhydrite, light grey, massive, dense, slightly gypsiferous minor interstitial grey dolostone more abundant towards base of unit.	R-1448	65.89-66.14	20.50	69.49	0.007
		R-1449	67.39-67.69	10.23	80.67	0.008
		R-1450	68.53-68.78	28.72	62.38	0.011
		R-1451	70.36-70.66	27.90	58.23	0.007
		R-1452	71.38-71.68	26.90	52.18	0.008
73.15-78.33	Shale, dark grey, thinly laminated 20° to core axis, highly calcareous, approximately 30% gypsum and anhydrite.					
	End of Hole.					

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Lizzies Lake, Occurrence 0030	<b>Azimuth:</b>	
<b>Hole Number:</b>	KC-434	<b>Dip:</b>	90°
<b>Latitude:</b>	45°41'36'	<b>Started:</b>	
<b>Longitude:</b>	60°38'18'	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	66.14 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-7.62	Overburden.					
7.62-24.66	Breccia, probable sink hole, light brown to red mud with Horton clastic fragments.					
24.66-30.08	Gypsum, white to light grey, massive gypsum with minor to abundant interstitial grey calcareous mudstone/siltstone.	R-1453	25.73-26.04	99.72	0.40	0.005
		R-1454	28.73-29.06	94.80	3.23	0.004
30.08-31.76	Mudstone, dark brown, soft, minor clastic fragments.					
31.76-34.29	Mudstone/limestone, medium grey brown, alternating 50 mm layers of soft mudstone and limestone.					
34.29-36.30	Limestone, medium to dark grey, massive, slightly broken and shaly, crinoidal.					
36.30-38.71	Limestone, medium grey, massive, dense, fossiliferous (brachiopods).					
38.71-40.93	Limestone, light grey to buff, massive, dense, fossiliferous quite porous.					
40.93-43.68	Limestone, light grey to buff, massive, dense, less porous slightly algal.					
43.68-63.70	Siltstone, reddish brown, massive, slightly broken, sandy towards base of unit.					
63.70-66.14	Sandstone, reddish brown medium- to coarse-grained.					
	End of Hole.					

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Malagawatch, Occurrence 0035	<b>Azimuth:</b>	
<b>Hole Number:</b>	CBD-7-78	<b>Dip:</b>	
<b>Latitude:</b>	45°52'10'	<b>Started:</b>	
<b>Longitude:</b>	60°59'40'	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	227.69 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-6.71	Overburden.					
6.71-28.60	Gypsum, white to light grey, minor to common interstitial dark grey dolostone, minor cavities infilled by dolostone.	R-1309	6.86-7.19	98.91	1.42	0.015
		R-1310	8.36-8.61	88.54	1.51	0.010
		R-1311	10.72-11.07	93.03	0.94	0.015
		R-1312	11.63-11.91	82.71	2.27	0.012
		R-1313	12.90-13.18	85.05	1.79	0.016
		R-1314	14.71-15.06	93.03	1.29	0.015
		R-1315	18.08-18.36	98.91	1.23	0.020
		R-1316	20.60-20.93	98.81	0.22	0.016
		R-1317	23.80-24.10	99.67	0.25	0.011
		R-1318	27.03-27.30	98.19	1.09	0.013
28.60-30.07	Anhydrite, light grey, weathered, fractured common white gypsum along fractures.					
30.07-32.28	Gypsum, white to light grey, minor to common interstitial black mudstone and grey dolostone, minor laminae 80-90° to core axis.	R-1319	30.23-30.58	94.27	0.51	0.028
32.28-35.56	Gypsum, light grey, minor interstitial and interlaminae of light grey mudstone/siltstone.	R-1320	33.28-33.63	98.76	0.19	0.021
35.56-35.66	Cavity, infilled by brown mudstone, igneous clasts included, minor gypsum filled fractures.					
35.66-36.68	Gypsum, white, minor interstitial dark grey mudstone siltstone, minor laminae 35° to core axis.	R-1321	36.22-36.55	95.32	0.67	0.010
36.68-36.75	Cavity, infilled by brown mudstone.					
36.75-37.19	Gypsum, white, minor interstitial dark grey mudstone.					
37.19-37.24	Cavity, as above.					
37.24-37.62	Gypsum, as above.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
37.62-37.67	Cavity, as above.					
37.67-38.15	Gypsum, grey white, vaguely laminated with minor black mudstone.	R-1322	37.77-38.08	99.72	0.59	0.008
38.15-38.28	Cavity, as above.					
38.28-38.38	Gypsum, as above.					
38.38-38.43	Cavity, as above.					
38.43-38.71	Gypsum, as above.					
38.71-38.89	Cavity, infilled by light grey siltstone.					
38.89-41.76	Gypsum, light grey, minor interstitial dark grey-brown dolostone more abundant towards base.	R-1323 R-1324	39.60-39.88 40.79-41.15	99.24 84.24	0.46 1.02	0.006 0.012
41.76-42.54	Cavity, infilled by grey-brown siltstone, minor gypsum fragments included.					
42.54-43.08	Gypsum, grey white, minor interstitial dark grey mudstone/siltstone, vague laminae 40° to core axis.	R-1325	42.67-42.95	97.38	0.54	0.014
43.08-43.61	Cavity, infilled with light grey mudstone, minor anhydrite clasts.					
43.61-47.85	Gypsum, white, minor interstitial dark grey mudstone/siltstone.	R-1326 R-1327 R-1328	44.17-44.45 45.21-45.52 46.66-46.94	97.62 96.37 88.97	0.86 0.38 0.31	0.006 0.009 0.011
47.85-48.41	Cavity, infilled by calcareous brown mudstone with gypsum and siltstone clasts.					
48.41-51.56	Dolostone, dark grey, minor gypsum blebs.					
51.56-67.36	Mudstone, medium grey, slightly calcareous, minor to common gypsum blebs more common towards base. Contact gradational.					
67.36-68.43	Gypsum, light grey, minor to common interstitial grey mudstone most abundant at top of unit.	R-1329	67.97-68.32	93.41	0.94	0.036

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
68.43-71.02	Anhydrite, blue grey, minor interstitial gypsum along fracture.	R-1330	69.34-69.62	15.34	84.16	0.043
		R-1331	70.36-70.69	10.66	84.56	0.039
71.02-117.93	Anhydrite, blue grey to medium grey, massive.	R-1332	73.28-73.61	3.63	93.08	0.019
		R-1333	76.22-76.61	3.78	94.74	0.015
		R-1334	79.17-79.45	4.54	91.26	0.012
		R-1335	82.17-82.50	3.44	94.25	0.012
		R-1336	85.09-85.39	3.20	94.05	0.014
		R-1337	88.11-88.44	3.35	91.25	0.013
		R-1338	91.06-91.34	4.06	89.92	0.014
		R-1339	94.08-94.41	4.73	92.11	0.019
		R-1340	96.95-97.31	4.25	91.55	0.016
		R-1341	99.95-100.30	1.48	83.53	0.016
		R-1342	102.85-103.15	1.10	91.60	0.018
		R-1343	106.05-106.35	2.25	90.71	0.045
		R-1344	108.91-109.25	1.10	94.47	0.011
		R-1345	111.86-112.12	1.34	95.37	0.017
		R-1346	114.91-115.24	1.34	96.43	0.013
		117.93-129.24	Anhydrite, grey, minor to abundant interstitial and interlaminated grey-brown limestone.	R-1347	117.96-118.24	2.72
R-1348	121.01-121.33			1.29	94.35	0.013
R-1349	123.75-124.05			3.39	75.07	0.027
R-1350	126.39-126.70			1.43	58.45	0.055
129.24-140.51	Anhydrite, light blue, minor interstitial grey limestone.	R-1351	129.36-129.69	0.81	87.86	0.014
		R-1352	132.38-132.72	1.20	94.38	0.020
		R-1353	135.03-135.31	2.53	94.85	0.016
		R-1354	138.10-138.43	2.68	90.74	0.022
140.51-154.46	Anhydrite, light grey, minor to common interstitial and interlaminated grey-brown limestone.	R-1355	141.25-141.56	3.87	63.78	0.040
		R-1356	144.17-144.48	2.01	65.29	0.034
		R-1357	147.33-147.57	2.34	89.19	0.019
		R-1358	150.21-150.52	2.20	76.11	0.039
		R-1359	153.29-153.62	2.01	78.40	0.030
154.46-194.16	Anhydrite, light grey to blue grey, minor interstitial grey-brown limestone.	R-1360	156.11-156.41	2.87	86.42	0.030
		R-1361	159.11-159.43	3.92	83.47	0.022
		R-1362	162.05-162.38	2.49	93.02	0.019
		R-1363	165.10-165.43	3.58	92.59	0.022
		R-1364	168.10-169.40	2.63	97.12	0.013
		R-1365	171.07-171.43	1.82	95.23	0.017
		R-1366	174.07-174.39	1.77	96.36	0.017
		R-1367	177.06-177.42	3.68	82.04	0.021
		R-1368	180.01-180.29	3.25	80.94	0.022
		R-1369	182.96-183.26	3.11	83.92	0.021
		R-1370	185.95-186.31	3.25	93.94	0.023
194.16-195.33	Limestone, grey brown, minor to common anhydrite inclusions.	R-1371	189.33-189.63	2.82	96.58	0.017
		R-1372	192.12-192.43	4.01	94.31	0.030

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
195.33-195.99	Anhydrite, light grey, common interstitial grey-brown limestone decreases towards base of unit.	R-1373	195.40-195.68	3.25	70.15	0.032
195.99-211.48	Anhydrite, light grey, minor to common interstitial grey-brown limestone increases towards base.	R-1374	197.87-198.22	2.25	93.46	0.022
		R-1375	200.99-201.30	1.86	94.75	0.025
		R-1376	203.81-204.14	1.48	95.41	0.027
		R-1377	206.78-207.06	1.48	94.92	0.020
		R-1378	209.70-210.01	5.59	93.77	0.018
211.48-212.09	Limestone, grey brown, laminae 55° to core axis, increasing included anhydrite towards base of unit.					
212.09-222.05	Anhydrite, grey, minor interstitial grey-brown limestone.	R-1379	212.62-212.90	1.77	93.62	0.019
		R-1380	215.49-215.80	2.25	94.52	0.016
		R-1381	218.54-218.85	3.25	94.22	0.015
		R-1382	221.59-221.92	6.83	89.54	0.026
222.05-223.37	Anhydrite, grey, minor to common interstitial grey-brown limestone and gypsum along fractures.	R-1383	222.71-223.04	55.19	23.45	0.047
223.37-226.57	Limestone, grey brown, minor laminae 50° to core axis.					
226.57-227.69	Granite, weathered. End of Hole.					

Drilling Performed By: Nova Scotia Department of Mines and Energy

Geologist: R. Sproule

-----

Property:	Malagawatch, Occurrence 0035	Azimuth:
Hole Number:	CBD-9-78	Dip:
Latitude:	45°51'50"	Started:
Longitude:	60°59'30"	Completed:
Elevation:		Ultimate Depth:

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-6.10	Overburden.					
6.10-8.66	Gypsum, white to grey white, minor to common interstitial dark grey dolostone.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
8.66-10.06	Cavity, infilled by red mudstone clasts in grey-green mudstone matrix.					
10.06-10.19	Gypsum, white, minor grey siltstone interlaminae 55° to core axis.					
10.19-10.44	Cavity, as above.					
10.44-11.30	Gypsum, white, saccharoidal, minor to common interlaminae of grey siltstone.	R-1385	10.80-11.13	94.41	0.84	0.005
11.30-11.73	Cavity, infilled by red calcareous mudstone mottled grey green, minor gypsum inclusions.					
11.73-15.72	Gypsum, grey white, saccharoidal, minor interlaminae of black mudstone 45° to core axis.	R-1386 R-1387	11.89-12.22 14.55-14.89	98.62 92.31	0.45 1.06	0.007 0.008
15.72-16.08	Cavity, infilled by red calcareous mudstone mottled grey green, minor gypsum inclusions.					
16.08-16.43	Gypsum, grey white, vaguely laminated, minor dark grey interstitial mudstone.					
16.43-16.64	Cavity, as above.					
16.64-17.50	Gypsum, white grey, saccharoidal, 50% interstitial grey dolostone (some core missing).					
17.50-22.35	Cavity, as above.					
22.35-23.77	Mudstone, grey green, gypsiferous, gypsum increases towards base.	R-1388	23.47-23.75	95.89	0.35	0.010
23.77-25.78	Gypsum, white, minor interstitial grey mudstone/dolostone.	R-1389	25.09-25.40	99.48	0.66	0.011
25.78-26.29	Anhydrite, blue grey, common white gypsum along fractures.					
26.29-27.38	Anhydrite, blue grey, massive.					
27.38-28.35	Anhydrite, blue grey, common white gypsum along fractures.	R-1390	27.74-28.04	12.71	83.45	0.260

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %		
28.35-75.72	Anhydrite, blue grey, massive, minor gypsum filled fractures, 25 mm grey silt filled cavity at 66.14 m, minor interstitial grey limestone.	R-1391	31.01-31.37	2.06	92.32	0.020		
		R-1392	33.93-34.27	2.29	95.45	0.014		
		R-1393	36.45-36.73	3.73	94.72	0.016		
		R-1394	39.88-40.18	2.58	94.97	0.016		
		R-1395	42.85-43.13	3.87	92.81	0.020		
		R-1396	45.82-46.15	2.49	94.78	0.017		
		R-1397	48.77-49.05	2.39	95.29	0.016		
		R-1398	51.66-51.97	2.49	94.68	0.015		
		R-1399	54.71-54.99	2.92	93.85	0.015		
		R-1400	57.63-57.94	5.02	91.29	0.015		
		R-1401	60.58-60.88	3.63	93.62	0.015		
		R-1402	63.53-63.86	3.68	90.44	0.017		
		R-1403	66.52-66.88	2.58	93.47	0.015		
		R-1404	68.58-68.93	2.49	94.68	0.015		
75.72-76.73	Anhydrite, grey, interlaminae of grey-brown limestone laminae 70° to core axis.	R-1405	71.27-71.60	3.15	96.23	0.010		
		R-1406	74.27-74.58	2.68	89.43	0.015		
		R-1407	77.27-77.57	2.06	91.68	0.020		
		R-1408	80.26-80.60	1.58	94.20	0.013		
		R-1409	83.19-83.52	2.20	89.49	0.015		
		76.73-85.50	Anhydrite, grey blue, massive, minor interstitial grey limestone, 25 mm cavity at 85.14 m infilled by green sandstone.	R-1410	86.18-86.46	1.58	69.21	0.022
				R-1411	89.21-89.54	2.29	92.86	0.014
				R-1412	92.10-92.43	1.86	94.68	0.015
				R-1413	95.15-95.45	3.35	94.06	0.013
				R-1414	98.40-98.65	3.35	91.05	0.022
				R-1415	101.22-101.50	2.72	89.22	0.015
				R-1416	104.13-104.49	2.96	61.61	0.032
				R-1417	105.77-106.07	2.58	78.47	0.032
				R-1418	108.81-109.12	1.72	88.44	0.017
R-1419	112.04-112.34			3.44	71.77	0.026		
R-1420	114.91-115.26			3.25	76.53	0.024		
85.58-88.01	Anhydrite, grey blue, massive, minor gypsum filled fracture at 97.16 m, minor interstitial grey-brown limestone.			R-1421	117.96-118.26	3.54	90.35	0.017
				R-1422	121.03-121.31	2.63	92.62	0.014
				R-1423	124.05-124.36	9.89	85.88	0.009
		R-1424	127.10-127.43	2.15	96.41	0.019		
		R-1425	128.63-128.93	2.29	96.72	0.016		
		R-1426	131.01-131.34	2.87	95.52	0.033		
		R-1427	134.36-134.70	3.11	95.43	0.018		
		R-1428	137.54-137.85	1.10	93.93	0.028		
		R-1429	140.51-140.84	0.91	91.22	0.019		
		88.01-101.88	Anhydrite, grey blue, common interlaminae of grey-brown limestone 70-60° to core axis.	R-1421	117.96-118.26	3.54	90.35	0.017
				R-1422	121.03-121.31	2.63	92.62	0.014
				R-1423	124.05-124.36	9.89	85.88	0.009
				R-1424	127.10-127.43	2.15	96.41	0.019
				R-1425	128.63-128.93	2.29	96.72	0.016
R-1426	131.01-131.34			2.87	95.52	0.033		
R-1427	134.36-134.70			3.11	95.43	0.018		
R-1428	137.54-137.85			1.10	93.93	0.028		
R-1429	140.51-140.84			0.91	91.22	0.019		
101.88-116.36	Anhydrite, light blue, minor interstitial grey-brown limestone.			R-1421	117.96-118.26	3.54	90.35	0.017
				R-1422	121.03-121.31	2.63	92.62	0.014
				R-1423	124.05-124.36	9.89	85.88	0.009
				R-1424	127.10-127.43	2.15	96.41	0.019
				R-1425	128.63-128.93	2.29	96.72	0.016
		R-1426	131.01-131.34	2.87	95.52	0.033		
		R-1427	134.36-134.70	3.11	95.43	0.018		
		R-1428	137.54-137.85	1.10	93.93	0.028		
		R-1429	140.51-140.84	0.91	91.22	0.019		
		116.36-155.75	Anhydrite, light blue, minor interstitial grey-brown limestone.	R-1421	117.96-118.26	3.54	90.35	0.017
				R-1422	121.03-121.31	2.63	92.62	0.014
				R-1423	124.05-124.36	9.89	85.88	0.009
				R-1424	127.10-127.43	2.15	96.41	0.019
				R-1425	128.63-128.93	2.29	96.72	0.016
R-1426	131.01-131.34			2.87	95.52	0.033		
R-1427	134.36-134.70			3.11	95.43	0.018		
R-1428	137.54-137.85			1.10	93.93	0.028		
R-1429	140.51-140.84			0.91	91.22	0.019		

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
		R-1430	143.71-144.07	1.39	93.50	0.031
		R-1431	146.66-146.99	0.96	90.03	0.027
		R-1432	149.69-149.99	0.96	94.38	0.020
		R-1433	152.73-153.03	1.48	94.37	0.021
		R-1434	155.02-155.35	2.92	80.64	0.028
155.75-156.41	Limestone, grey brown, laminated 70° to core axis, common blebs of anhydrite at top and base.					
156.41-168.81	Anhydrite, grey blue, common interstitial grey-brown limestone at top, common to abundant white gypsum along fractures at base.	R-1435	157.28-157.58	3.39	90.79	0.025
		R-1436	159.18-159.51	6.12	92.05	0.015
		R-1437	162.15-162.43	2.15	94.44	0.012
		R-1438	165.13-165.46	3.06	94.59	0.020
		R-1439	168.20-168.45	57.48	41.06	0.055
168.81-180.70	Gypsum, white, nodular in part, minor to common interstitial dark grey to grey-green limestone.	R-1440	169.77-170.08	96.71	0.97	0.030
		R-1441	171.40-171.68	95.18	0.17	0.022
		R-1442	173.23-173.48	98.43	0.08	0.031
		R-1443	176.05-176.38	98.76	0.09	0.019
		R-1444	177.85-178.16	93.51	0.08	0.047
R-1445	180.42-180.70	93.94	0.66	0.039		
180.70-184.10	Limestone, medium grey, laminated 40° to core axis, vuggy at top, minor fossils.					
184.10-186.23	Granite, weathered.					
	End of Hole.					

**Drilling Performed By:** Longyear

**Geologist:** G. R. Sproule

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Chéticamp, Occurrence 0047	<b>Azimuth:</b>	
<b>Hole Number:</b>	CH-1	<b>Dip:</b>	
<b>Latitude:</b>	46°36'23'	<b>Started:</b>	
<b>Longitude:</b>	60°58'55'	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	403.56 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0.0-2.74	Casing through overburden.					
2.74-57.61	Interbedded shales and sandstone, primarily dark grey and green in colour, occasionally reddish.					
57.61-58.00	Clay, reddish and green.					
58.00-58.09	Siltstone.					
58.09-65.53	Shale, grey green, strongly brecciated.					
65.53-66.14	Gypsum, grey, mosaic with abundant interstitial grey mudstone less common towards bottom.	R-1059	65.53-65.63	99.53	1.23	0.011
66.14-66.45	Gypsum, black, selenitic.	R-1060	66.24-66.50	97.38	2.71	0.007
66.45-68.10	Gypsum, white, massive to mosaic; 66.30-66.80 cavity infilled with calcareous grey siltstone. Minor siltstone interlaminae 30° to core axis, silty at base.	R-1061	67.59-67.95	91.16	1.73	0.049
68.10-70.41	Siltstone, shaly, grey to dark grey, highly calcareous a few gypsum filled fractures 50° to core axis. Contact erosional.					
70.41-77.42	Gypsum, brownish grey with common interstitial dolostone and limestone, minor satin spar filled fractures, few interlaminae 65° to core axis.	R-1062	70.41-70.71	92.84	2.75	0.012
		R-1063	71.60-71.88	58.53	40.89	0.035
		R-1064	72.98-73.15	51.89	46.35	0.038
		R-1065	71.35-71.63	56.00	27.96	0.044
		R-1066	76.05-76.35	56.29	34.18	0.027
77.42-80.50	Limestone, highly brecciated, salty to taste.					
80.50-86.44	Shale, grey green, highly brecciated, matrix of red clay.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
86.44-90.65	Gypsum, white to light grey, massive to nodular, highly weathered core, minor interstitial dolostone laminae 50° to core axis.	R-1067	86.66-86.89	93.55	6.05	0.013
		R-1068	88.09-88.34	53.47	41.02	0.031
		R-1069	89.31-89.59	33.88	64.16	0.052
90.65-91.21	Limestone, light grey, fine grained, thin bedded 20° to core axis. Erosional contact.					
91.21-98.05	Gypsum, light grey, with abundant interstitial limestone. 67 mm thick grey shale interbed near top of unit.					
98.05-103.33	Limestone, grey, fine grained, massive, brecciated, minor gypsum filled fractions. Eroded contact.					
103.33-109.42	Gypsum, light grey, badly weathered core, abundant interstitial limestone at top, minor laminations 55-65° to core axis.	R-1071	105.00-105.30	59.49	18.11	0.023
		R-1072	106.48-106.86	56.81	35.40	0.076
		R-1073	107.67-107.95	63.60	18.45	0.054
		R-1074	108.87-109.12	68.90	26.44	0.008
109.42-119.48	Mudstone, light grey at top to red at base, massive, brecciated at base, gypsum filled fractures 0.20 to 2.5 cm thick 65° to core axis. Erosional contact.					
119.48-119.81	Gypsum, light grey, porous. Erosional contact.	R-1075	119.48-119.71	91.45	7.93	0.025
119.81-119.99	Limestone, grey, poorly consolidated.					
119.99-120.29	Gypsum, light grey, massive, porous with laminae 40° to core axis. Erosional contact.					
120.29-122.83	Mudstone, red above, grey below, poorly consolidated, minor gypsum filled fractures 90° to core axis.					
112.83-126.49	Gypsum, white, nodular with common interstitial dolostone, laminae 40° to core axis. Erosional contact.	R-1076	122.83-123.08	79.27	13.54	0.020
		R-1077	124.26-124.54	43.96	53.12	0.014
		R-1078	125.62-125.98	54.42	41.85	0.063
126.49-126.80	Limestone, olive green, minor gypsum filled fractures increasing towards base of unit, laminae 60° to core axis.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
126.80-129.97	Gypsum, white to light grey, abundant interstitial grey siltstone at top. Contact erosional.	R-1079	126.96-127.23	37.17	36.62	0.130
		R-1080	128.58-128.88	45.34	52.09	0.026
		R-1081	129.56-129.92	59.01	34.87	0.039
129.97-132.36	Limestone, grey, interlaminae of light grey gypsum at the top, grades to gypsum at base.					
132.36-135.84	Gypsum, light grey, cavity 134.72-134.85 m.	R-1082	132.89-133.20	59.77	31.39	0.043
		R-1083	135.64-135.97	76.07	19.84	0.025
135.84-137.36	Mudstone, grey, poorly consolidated, cut by satin spar filled fractures 80-90° to core axis. Contact erosional.					
137.36-138.35	Gypsum, grey, saccharoidal texture, minor gypsum filled fractures 80° to core axis.	R-1084	138.07-138.32	67.90	24.89	0.014
138.35-138.51	Gypsum, grey, abundant interstitial clay, slightly calcareous.					
138.51-139.45	Limestone, dark grey, calcareous, poorly consolidated.					
139.45-140.34	Gypsum, brownish grey, very impure with abundant interstitial grey calcareous mud.					
140.34-141.58	Cavity, infilled with brownish-grey, calcareous mud.					
141.58-144.04	Gypsum, light grey, common to abundant interstitial calcareous grey mud, minor gypsum filled fractures, vague laminations 85° to core axis, poorly consolidated at base.	R-1085	141.59-141.88	37.60	13.31	0.051
		R-1086	142.60-142.88	59.77	39.07	0.023
144.04-144.22	Cavity, infilled by brecciated red mudstone.					
144.22-146.38	Gypsum, brownish grey, saccharoidal texture, abundant interstitial grey mud, minor laminae 65° to core axis.	R-1087	144.34-144.60	56.33	42.07	0.041
		R-1088	145.65-145.94	65.84	27.96	0.026
146.38-147.12	Cavity, infilled by poorly consolidated grey silt/mud, minor gypsum filled fractures.					
147.12-148.21	Gypsum, white to light grey, common interstitial grey mud, minor laminae 65° to core axis.	R-1089	147.42-147.73	61.30	37.25	0.036

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
148.21-148.95	Cavity, infilled by grey mudstone with minor laminae 30° to core axis, mottled grey green towards base.					
148.95-160.40	Gypsum, grey variably white, minor to abundant interstitial limestone and or calcareous mudstone.	R-1090	149.05-149.40	46.68	53.82	0.029
		R-1091	150.74-151.05	55.00	43.67	0.042
		R-1092	152.40-152.68	14.72	81.13	0.022
		R-1093	153.41-153.70	27.86	68.42	0.022
		R-1094	154.84-155.12	21.93	72.76	0.022
		R-1095	156.32-156.57	45.06	47.35	0.005
		R-1096	157.66-157.94	27.57	51.84	0.011
		R-1097	158.78-159.11	64.03	1.33	0.007
		R-1098	159.68-159.97	58.72	2.56	0.009
160.40-161.29	Limestone, brownish grey.					
161.29-161.54	Gypsum, white to light grey, minor to common interstitial grey mudstone.					
161.54-163.07	Limestone, grey, highly brecciated.					
163.07-177.88	Shale, red mottled green, brecciated.					
177.88-180.69	Limestone, greenish grey, partially unconsolidated. Contact erosional.					
180.69-183.34	Gypsum, white to light grey, minor interstitial dark grey limestone decreasing towards base of unit. Minor laminae 40° to core axis. Contact is eroded.	R-1099	183.08-183.34	92.79	6.60	0.005
183.34-187.32	Cavity, infilled by unconsolidated red mud, calcareous, minor satin spar filled fractures 85° to core axis.					
187.32-190.15	Gypsum, white to grey, common interstitial calcareous grey silt. Contact erosional.	R-1100	187.55-187.83	85.77	9.18	0.044
		R-1101	188.98-189.26	32.16	54.37	0.024
190.15-192.94	Cavity infilled by red mottled grey mud, minor satin spar filled fractures 85° to core axis.					
192.94-197.03	Gypsum, white to grey, minor to common interstitial dolostone, vague laminae 45° to core axis.	R-1102	193.14-193.47	96.52	2.71	0.010
		R-1103	194.34-194.82	77.12	18.88	0.012
		R-1104	196.73-197.03	17.87	80.42	0.019

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
197.03-197.92	Mudstone, red mottled grey, poorly consolidated, minor satin spar filled fractures 90° to core axis.					
197.92-198.07	Gypsum, grey common interstitial dolostone.					
198.07-199.39	Mudstone, red mottled grey poorly consolidated, minor satin spar filled fractures 90° to core axis. Contact erosional.					
199.39-200.81	Gypsum, grey to orangish grey. Common interstitial grey dolostone, minor interlaminae 55° to core axis. Contact gradational.	R-1105	199.48-199.77	81.23	15.65	0.014
		R-1106	200.23-200.50	85.48	14.31	0.011
200.81-202.13	Limestone, light to dark grey in part, rubbly at top.					
202.13-202.90	Gypsum, white with interstitial orangish-grey limestone common. Contact erosional.	R-1107	202.31-202.64	87.25	6.43	0.009
202.90-203.05	Cavity, infilled by red calcareous mudstone, minor grey mottling, minor satin spar filled fractures 90° to core axis.					
203.05-205.31	Gypsum, greyish white, minor interstitial dolostone, cavities infilled by red mud common in lower part of unit.	R-1108	203.30-203.61	86.86	2.80	0.015
		R-1109	204.35-204.62	92.79	3.69	0.007
205.31-206.35	Cavity, infilled by red calcareous mudstone.					
206.35-208.18	Gypsum, white to light grey, minor to common interstitial mudstone, minor laminae 35° to core axis.	R-1110	206.52-206.86	90.93	3.67	0.017
		R-1111	207.26-207.57	94.32	2.43	0.006
208.18-208.36	Cavity, infilled by grey calcareous siltstone.					
208.36-208.79	Gypsum, light grey, minor interstitial grey mudstone few small cavities, increasing interstitial material towards base becomes poorly consolidated.	R-1112	208.48-208.69	92.88	4.31	0.015
208.79-219.81	Mudstone, shale, red mottled grey.					
219.81-220.50	Gypsum, as above.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
220.50-220.55	Cavity, infilled by grey calcareous mudstone.					
220.55-221.41	Gypsum, as above.	R-1113	220.88-221.18	75.40	18.05	0.006
221.41-221.51	Cavity, infilled by medium grey, poorly consolidated calcareous mudstone.					
221.51-221.97	Gypsum, white, common interstitial grey silt, two cavities in mid unit infilled by brownish-grey, calcareous siltstone. Contact erosional.					
221.97-225.17	Mudstone, shaly, reddish brown.					
225.17-239.27	Gypsum, greyish white, varying amounts of interstitial grey calcareous siltstone.	R-1114	225.55-225.88	96.37	0.62	0.013
		R-1115	227.25-227.51	34.45	55.68	0.032
		R-1116	228.73-229.98	88.49	9.78	0.017
		R-1117	230.26-230.48	95.94	3.88	0.011
		R-1118	231.65-231.93	99.81	0.19	0.006
		R-1119	233.17-233.42	94.70	1.67	0.005
		R-1120	234.70-235.03	97.90	2.09	0.006
		R-1121	236.22-236.55	92.84	2.65	0.006
		R-1122	237.67-237.90	95.08	2.37	0.023
R-1123	238.48-238.81	26.52	1.59	0.005		
239.27-240.33	Mudstone, light brown, slightly calcareous.					
240.33-246.28	Gypsum, light grey, minor interstitial calcareous grey siltstone.	R-1124	240.34-240.79	95.46	2.08	0.007
		R-1125	242.05-242.36	14.62	85.33	0.008
		R-1126	243.34-243.84	14.33	84.58	0.014
		R-1127	245.08-245.36	98.09	1.01	0.008
246.28-247.54	Cavity, infilled by grey mudstone, grades to red mudstone at base, minor stain spar filled fractures 30-90° to core axis.					
247.54-259.08	Gypsum, greyish white, saccharoidal texture, interlaminated with dark grey siltstone/mudstone, laminae ore 50° to core axis at top, 90° to core axis for 36 cm near top, then return to 50° below. Contact erosional.	R-1128	247.65-247.95	97.62	2.15	0.007
		R-1129	249.02-249.35	98.00	1.02	0.020
		R-1130	250.55-250.93	47.45	52.57	0.100
		R-1131	251.94-252.25	85.34	15.25	0.014
		R-1132	253.57-253.87	99.48	1.08	0.015
		R-1133	254.91-255.29	98.19	2.34	0.009
		R-1134	256.49-256.85	98.00	2.38	0.006
		R-1135	257.56-257.89	98.67	1.78	0.006
		R-1136	258.80-259.08	99.48	0.15	0.006
259.08-262.81	Mudstone, red poorly consolidated, calcareous, minor grey mottling. Contact gradational.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
262.81-266.09	Siltstone, greenish grey, noncalcareous, minor interlaminae of white limestone. Contact erosional.					
266.09-266.78	Gypsum, greyish white, minor interlaminae of dark grey siltstone/mudstone 45° to core axis. Contact erosional.	R-1137	266.22-266.50	99.77	0.64	0.010
266.78-267.36	Mudstone, medium grey, poorly consolidated, slightly calcareous minor satin spar filled fractures 35° to core axis.					
267.36-271.93	Gypsum, greyish white, minor interlaminae of dark grey mudstone/siltstone 50° to core axis. Contact erosional.	R-1138	267.54-267.84	99.10	1.17	0.007
		R-1139	269.04-269.34	98.24	1.20	0.012
		R-1140	270.76-271.14	63.21	2.84	0.008
271.93-277.90	Mudstone, red mottled grey, poorly consolidated, calcareous, gypsum filled fractures 65° to core axis. Contact erosional.					
277.90-278.76	Gypsum, greyish white, abundant interstitial dark grey dolostone in mid unit, slightly more pure at top and base.	R-1141	278.02-278.28	98.62	1.65	0.003
278.76-279.83	Dolostone, brownish grey, slightly calcareous, medium- to coarse-grained, grades to limestone, at base appears conglomeratic with limestone matrix. Contact erosional.					
279.83-280.09	Gypsum, greyish white, saccharoidal texture with minor interlaminae of calcareous grey mudstone 75° to core axis. Contact erosional.	R-1142	279.85-280.06	99.29	0.52	0.005
280.09-280.21	Cavity, infilled by grey and red calcareous mud. Contact erosional.					
280.21-280.42	Gypsum, as above.					
280.42-281.23	Cavity, infilled by red mottled grey calcareous mud. Contact erosional.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
281.23-285.50	Gypsum, light grey, minor to common interstitial dark grey mudstone/siltstone, minor selenite crystals near base. Contact erosional.	R-1143	281.35-281.71	97.28	1.14	0.008
		R-1144	282.88-283.18	91.26	1.48	0.006
		R-1145	284.17-284.61	97.23	2.33	0.007
		R-1146	285.06-285.39	96.61	2.35	0.004
285.50-289.74	Mudstone, reddish brown, poorly consolidated, calcareous. Contact erosional.					
289.74-301.29	Gypsum, greyish white, interstitial dark grey mudstone and greyish-brown limestone (at base), minor interlaminae 30-55° to core axis.	R-1147	290.17-290.52	86.91	1.63	0.018
		R-1148	291.64-292.00	98.00	0.54	0.006
		R-1149	293.12-293.50	22.55	74.50	0.031
		R-1150	295.05-295.43	34.07	60.56	0.078
		R-1151	296.82-297.23	95.42	2.65	0.006
		R-1152	298.40-298.80	94.60	2.82	0.007
		R-1153	299.77-300.15	91.69	2.62	0.007
R-1154	300.84-301.12	88.06	1.13	0.013		
301.29-307.09	Limestone, light grey to yellowish grey, calcareous, abundant gypsiferous horizons throughout.					
307.09-308.56	Gypsum, light grey to brownish white, varying amounts of interstitial grey dolostone.	R-1155	307.34-307.64	97.95	0.36	0.010
308.56-309.04	Cavity, infilled by light grey calcareous mudstone. Contact erosional.					
309.04-323.93	Gypsum, greyish white, minor interstitial light grey limestone, may be anhydrite in part.	R-1156	309.50-309.78	94.51	0.21	0.021
		R-1157	311.30-311.68	99.14	0.43	0.009
		R-1158	312.32-312.65	99.72	0.22	0.008
		R-1159	313.77-314.07	12.33	87.68	0.008
		R-1160	315.64-315.93	11.42	87.97	0.013
		R-1161	317.35-317.70	4.68	94.27	0.009
		R-1162	318.82-319.13	98.95	0.21	0.007
		R-1163	319.58-319.96	12.18	86.80	0.013
		R-1164	321.28-321.59	6.31	91.39	0.011
R-1165	323.09-323.37	13.24	83.66	0.020		
323.93-324.08	Cavity, infilled by dark grey impure gypsum.					
324.08-336.80	Anhydrite, greyish white, grades to gypsum in part, minor interstitial medium grey siltstone.	R-1166	324.51-324.84	13.81	83.10	0.010
		R-1167	325.43-325.76	18.06	78.84	0.023
		R-1168	327.07-327.46	13.95	82.75	0.008
		R-1169	328.37-328.70	24.70	72.24	0.018
		R-1170	329.87-330.20	21.02	76.22	0.029

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
336.50-344.55	Gypsum, greyish white, minor interstitial greenish-grey siltstone, minor interlaminae 60-70° to core axis. Contact erosional.	R-1171	337.08-337.41	98.52	0.23	0.008
		R-1172	338.73-339.07	98.57	0.71	0.005
		R-1173	339.95-340.18	97.14	0.22	0.007
		R-1174	341.58-341.89	96.95	0.74	0.008
		R-1175	342.92-343.23	99.53	0.67	0.010
		R-1176	344.22-344.50	88.78	9.33	0.010
344.55-345.54	Limestone, medium grey, well consolidated at top, rubbly below, laminae at top 60° to core axis. Contact erosional.					
345.54-346.08	Gypsum, white to light grey, minor to common interlaminated and interstitial medium grey dolostone.					
346.08-346.41	Dolostone, medium grey, grades to limestone at base of unit, brecciated.					
346.41-354.08	Gypsum, white to light grey, minor to common interstitial limestone/dolostone most abundant at top of unit, minor laminae 65° to core axis. Contact erosional.	R-1177	346.35-346.71	83.14	3.39	0.015
		R-1178	347.47-347.80	96.90	0.81	0.025
		R-1179	349.15-349.48	98.19	0.71	0.025
		R-1180	350.65-350.95	98.81	0.31	0.018
		R-1181	352.14-352.45	96.47	1.78	0.009
		R-1182	353.26-353.64	94.13	1.95	0.015
354.08-355.70	Cavity, infilled by reddish-brown, poorly consolidated mudstone, calcareous, satin spar filled fracture parallel to core axis. Contact erosional.					
355.70-360.63	Gypsum/anhydrite, greyish white, minor interstitial and interlaminae grey siltstone.	R-1183	357.78-358.06	49.02	46.54	0.079
360.63-361.21	Limestone, greenish grey, some gypsum remnants at top, massive below. Contact erosional.					
361.21-361.54	Siltstone, medium grey, gypsiferous. Contact erosional.					
361.54-362.18	Siltstone, dark greenish grey, to light grey, brecciated, calcareous.					
362.18-362.74	Gypsum, greyish white, minor interstitial silt and dark grey gypsum. Contact gradational.					
362.74-366.85	Anhydrite, light grey, massive, minor laminae at top 80° to core axis.	R-1184	362.92-363.02	29.19	70.01	0.013
		R-1185	364.41-364.77	8.79	90.75	0.011
		R-1186	365.76-366.06	11.71	86.40	0.015

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
366.85-373.71	Gypsum/anhydrite, grey, minor interstitial, greenish-grey siltstone, minor laminae 60° to core axis. Contact erosional.	R-1187	367.31-367.61	47.35	48.26	0.024
		R-1188	369.01-369.27	40.28	46.19	0.011
		R-1189	371.12-371.35	58.82	40.20	0.005
		R-1190	373.15-373.46	97.62	1.66	0.006
373.71-376.78	Siltstone, red mottled, light grey, calcareous, brecciated, minor gypsum filled fractures. Contact erosional.					
376.78-376.94	Gypsum, light grey, massive, minor interstitial material. Contact erosional.					
376.94-378.59	Limestone, greenish grey, minor gypsum. Contact erosional.					
378.59-379.38	Gypsum, greenish white, minor anhydrite.					
379.38-380.59	Cavity, infilled by mudstone/siltstone, greenish grey to red in colour, poorly consolidated, minor gypsum filled fractures and interbeds. Contact erosional.					
380.59-384.81	Gypsum/anhydrite intermixed, minor interstitial grey siltstone. Contact erosional.	R-1191	381.46-381.71	45.39	53.47	0.019
		R-1192	382.96-393.21	45.44	49.58	0.009
384.81-384.91	Cavity, infilled by greenish-grey siltstone, poorly consolidated. Contact erosional.					
384.91-385.24	Gypsum, greyish white to dark grey, minor interstitial siltstone. Contact erosional.	R-1193	385.01-385.24	99.86	0.41	0.005
385.24-386.26	Siltstone, light grey, calcareous, minor gypsum filled fractures. Contact erosional.					
386.26-386.46	Limestone, brownish grey, brecciated. Contact erosional.					
386.46-390.78	Anhydrite, light grey, minor interstitial brown siltstone.	R-1194	387.76-388.11	20.98	79.15	0.010
		R-1195	389.59-389.94	19.64	74.46	0.015
390.78-392.23	Limestone, light greenish grey, brecciated. Contact erosional.					
392.23-394.41	Siltstone/mudstone, light grey to reddish brown. Contact erosional.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
394.41-395.48	Gypsum, white to grey, minor interstitial grey silt.	R-1196	394.51-394.74	94.56	2.26	0.018
395.48-398.37	Limestone, medium to dark grey, massive, grades to siltstone at base.					
398.37-401.09	Gypsum/anhydrite, greyish white, minor interstitial grey siltstone. Contact erosional.	R-1197	400.25-400.58	32.68	67.40	0.013
401.09-401.52	Cavity, infilled by bluish-grey siltstone. Contact erosional.					
401.52-402.29	Gypsum, white to greyish white, minor interstitial dolostone, minor interlaminae 80° to core axis.	R-1198	401.78-402.11	98.38	1.02	0.007
402.29-403.56	Siltstone, light grey, brecciated. End of Hole.					

**Drilling Performed By:** St. Lambert Drilling

**Geologist:** R. L. Comeau

**NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
DIAMOND DRILL RECORD**

<b>Property:</b>	Jubilee, Occurrence 0086	<b>Azimuth:</b>	
<b>Hole Number:</b>	ATG-5-76	<b>Dip:</b>	
<b>Latitude:</b>	45°59'14'	<b>Started:</b>	
<b>Longitude:</b>	60°56'50'	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	114.91 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-20.42	Overburden.					
20.42-21.41	Gypsum/anhydrite, grey white, partially hydrated anhydrite, minor interstitial grey-brown limestone.	R-1280	20.78-21.11	56.76	41.90	0.007
21.41-26.37	Anhydrite, grey white, minor interstitial grey-brown limestone.	R-1281	23.87-24.21	4.78	93.06	0.011
26.37-49.94	Gypsum, white, minor interstitial grey dolostone. Contact unclear.	R-1282	26.92-27.23	98.28	1.02	0.005
		R-1283	30.10-30.46	97.76	0.47	0.049
		R-1284	32.99-33.32	96.80	0.88	0.005
		R-1285	35.94-36.32	99.24	0.65	0.005
		R-1286	38.86-39.14	98.05	1.06	0.005
		R-1287	43.41-43.76	97.76	1.04	0.007
		R-1288	45.97-46.31	99.34	0.86	0.005
		R-1289	49.12-49.43	97.09	0.70	0.004
49.94-52.38	Anhydrite, blue grey, increasing interstitial medium grey limestone, massive to nodular mosaic. Contact gradational.	R-1290	52.12-52.43	2.39	73.24	0.010
52.38-53.01	Limestone, medium grey, common interstitial anhydrite a top grades to massive limestone at base. Contact erosional.					
53.01-93.17	Anhydrite, blue white, minor to common interstitial limestone most abundant at top and base of unit.	R-1291	55.07-55.37	3.87	91.99	0.011
		R-1292	57.99-58.27	1.72	94.27	0.012
		R-1293	61.21-61.29	1.91	97.08	0.013
		R-1294	62.26-62.58	1.00	96.75	0.011
		R-1295	65.23-65.53	4.97	95.12	0.015
		R-1296	70.61-70.89	3.25	92.94	0.012
		R-1297	73.56-73.89	3.73	88.43	0.013
		R-1298	76.43-76.79	4.06	90.84	0.017
		R-1299	79.96-80.31	3.44	94.78	0.012
		R-1300	83.01-83.36	2.49	97.47	0.008
		R-1301	85.88-86.26	4.97	89.86	0.012
		R-1302	89.15-89.43	3.92	93.87	0.014
		R-1303	92.07-92.78	6.69	93.79	0.013

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
93.17-95.23	Anhydrite, grey, abundant interstitial limestone up to 50% in part.					
95.23-95.45	Limestone, orange brown, 20% anhydrite blebs.					
95.45-96.06	Limestone, grey green up to 10% anhydrite blebs.					
96.06-102.18	Anhydrite, white, nodular to nodular mosaic with over 10% interstitial grey limestone, minor selenite crystals, limestone most abundant at base. Contact gradational.	R-1304	96.16-96.47	3.63	91.26	0.010
		R-1305	98.25-98.55	4.21	94.49	0.012
		R-1306	98.88-99.16	3.30	95.28	0.008
		R-1307	100.91-101.24	7.31	75.77	0.011
102.18-102.44	Limestone, grey yellow, massive, minor gypsum filled fractures, laminated 60° to core axis.					
102.44-103.51	Gypsum/anhydrite/limestone intermixed, light grey.	R-1308	103.17-103.56	31.73	55.74	0.009
103.51-106.98	Limestone, grey, bedded and gypsiferous, beds dip 15-20° to core axis. Minor sulphides.					
106.98-109.58	Limestone, grey to dark grey, massive and bedded, fine grained, beds dip 5-15° to core axis, minor pellets, oolites and fossils, minor sulphides.					
109.58-114.91	Conglomerate, grey to red below, angular, unsorted, poly-mictic and calcareous.					
	End of Hole.					

Drilling Performed By: St. Lambert Drilling

Geologist: G. P. Isenor

-----

Property: Jubilee, Occurrence 0086  
Hole Number: ATG-8-76  
Latitude: 45°59'06"  
Longitude: 60°57'14"  
Elevation:

Azimuth:  
Dip:  
Started:  
Completed:  
Ultimate Depth: 127.10 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-15.24	Overburden.					
15.24-16.56	Gypsum, brownish white, saccharoidal texture, minor interstitial brownish-grey limestone.	R-1239	15.24-15.54	98.04	1.08	0.007
		R-1240	16.25-16.51	98.57	0.95	0.007
16.56-17.65	Anhydrite, contacts gradational, white, numerous gypsum filled fractures.					
17.65-19.58	Gypsum, white, saccharoidal texture, minor interstitial light grey limestone. Contact erosional.	R-1241	17.68-17.96	98.52	1.65	0.004
		R-1242	18.85-19.20	98.57	1.50	0.004
19.58-19.89	Anhydrite, grey white, abundant gypsum filled fractures.					
19.89-20.35	Anhydrite, medium grey, abundant interstitial very dark grey limestone. Contact gradational.					
20.35-20.57	Anhydrite, light blue, massive, minor gypsum along fractures at base of unit.	R-1243	20.42-20.78	10.03	76.11	0.007
20.57-21.82	Gypsum, white, minor interstitial light grey limestone.					
21.82-26.26	Anhydrite, blue grey to medium grey, variable gypsum along fractures and interstitial grey limestone, 5 cm interbed of grey-brown limestone at 25.37 m.	R-1244	22.10-22.38	14.76	82.70	0.007
		R-1245	23.87-24.18	3.30	93.58	0.011
		R-1246	25.76-26.08	3.82	95.73	0.009
26.26-26.49	Cavity or fracture in anhydrite filled in by dark grey limestone.					
26.49-36.02	Anhydrite, blue white, minor gypsum along fractures and interstitial grey-brown limestone. Texture nodular to nodular mosaic.	R-1247	27.71-28.02	3.82	96.70	0.006
		R-1248	29.06-29.39	12.76	83.88	0.011
		R-1249	30.99-31.29	2.49	93.75	0.008
		R-1250	32.46-32.79	2.63	96.34	0.010
		R-1251	33.83-34.14	2.63	82.62	0.014
36.02-36.22	Limestone, grey brownish, massive at top, common pyrite common anhydrite at base of unit. Contact gradational.					
36.22-36.80	Limestone/anhydrite, transition zone.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
36.80-53.75	Anhydrite, blue white to grey white, minor to common interstitial grey-brown limestone increasing to 30% at base of unit. Contact gradational.	R-1252	37.06-37.41	3.39	89.51	0.012
		R-1253	39.90-40.18	1.82	95.66	0.010
		R-1254	42.62-42.95	2.01	91.85	0.014
		R-1255	45.72-46.02	2.20	96.20	0.013
		R-1256	48.52-48.82	1.86	95.74	0.010
		R-1257	51.72-52.04	4.40	87.99	0.010
53.75-54.48	Limestone, grey brown, well laminated 55° to core axis, minor anhydrite filled fractures or blebs. Contact erosional.					
54.28-104.24	Anhydrite, light blue to bluish white, massive to nodular with minor to common interstitial grey-brown limestone.	R-1258	56.11-56.39	3.82	91.04	0.008
		R-1259	57.45-57.76	3.68	92.74	0.009
		R-1260	60.63-60.94	3.73	93.65	0.010
		R-1261	63.68-63.98	3.78	94.87	0.010
		R-1262	66.45-66.75	3.58	94.19	0.010
		R-1263	68.53-68.86	2.96	92.28	0.010
		R-1264	71.73-72.06	3.44	94.95	0.013
		R-1265	74.75-75.08	3.54	94.74	0.011
		R-1266	77.29-77.60	3.63	91.52	0.010
		R-1267	80.44-80.72	3.68	93.99	0.012
		R-1268	83.39-83.69	3.73	91.75	0.010
		R-1269	86.26-86.59	3.11	94.16	0.010
		R-1270	89.33-89.66	3.25	87.47	0.016
		R-1271	92.18-92.43	3.58	95.59	0.011
		R-1272	95.20-95.53	3.06	92.87	0.010
		R-1273	98.45-98.76	2.77	94.78	0.017
R-1274	100.79-101.09	3.49	94.23	0.014		
R-1275	102.24-102.57	3.78	86.55	0.013		
104.24-104.52	Limestone, grey brown, increasing percentage of anhydrite towards base of unit. Contact gradational.					
104.52-109.42	Anhydrite, light blue to blue grey, massive, variable interstitial grey-brown limestone minor gypsum at base. Contact gradational.	R-1276	104.52-104.80	3.68	77.52	0.012
		R-1277	105.42-106.27	7.36	62.09	0.019
		R-1278	107.01-107.37	3.87	94.65	0.009
		R-1279	109.07-109.37	4.21	89.90	0.009
109.42-109.58	Gypsum, grey white, hydration zone, increasing interstitial grey-brown limestone towards base. Contact gradational.					
109.58-114.86	Limestone, grey brown, common to abundant interstitial gypsum and/or anhydrite.					
114.86-117.71	Limestone, grey, massive, rubbly, poor recovery, minor sulphides.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
117.71-119.18	Limestone, grey, massive to bedded, algal, minor fossils, minor sulphides.					
119.18-121.16	Limestone, grey, massive algal micritic, vaguely laminated, minor sulphides.					
121.16-127.10	Conglomerate, grey, angular, well sorted, calcareous siltstone matrix.					
	End of Hole.					

Drilling Performed By: St. Lambert Drilling

Geologist: G. P. Isenor

-----

<b>Property:</b>	Jubilee, Occurrence 0086	<b>Azimuth:</b>	
<b>Hole Number:</b>	ATG-17-76	<b>Dip:</b>	
<b>Latitude:</b>	45°58'06"	<b>Started:</b>	
<b>Longitude:</b>	60°56'59"	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	89.31 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-3.96	Overburden.					
3.96-5.18	Anhydrite, white, hard, massive to nodular with minor interstitial, medium grey limestone.	R-1210	4.01-4.29	20.50	80.04	0.007
		R-1211	4.88-5.18	33.78	64.68	0.010
5.18-41.96	Anhydrite, blue grey, massive with <5% interstitial dolostone. Contact irregular.	R-1212	6.58-6.83	3.11	96.06	0.009
		R-1213	9.42-9.80	3.44	92.79	0.010
		R-1214	12.19-12.50	2.39	95.70	0.013
		R-1215	15.37-15.65	2.39	97.12	0.011
		R-1216	18.39-18.69	3.58	94.14	0.010
		R-1217	21.41-21.72	2.44	96.05	0.010
		R-1218	24.36-24.64	10.46	89.10	0.010
		R-1219	27.33-27.64	4.01	93.58	0.014
		R-1220	30.12-30.46	3.49	94.79	0.010
		R-1221	33.38-33.66	2.68	92.87	0.013
		R-1222	36.22-36.53	2.53	95.14	0.010
		R-1223	38.53-38.84	2.58	88.15	0.011
		R-1224	39.45-39.72	6.40	86.31	0.014
41.96-42.19	Cavity, infilled by secondary anhydrite with greasy texture. Contact erosional.	R-1225	41.96-42.21	2.49	98.02	0.009
42.19-44.40	Anhydrite, blue white, massive.	R-1226	42.57-42.82	2.92	97.33	0.009

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
44.40-52.88	Anhydrite, blue grey, minor to common interstitial limestone, massive to nodular.	R-1227	45.34-45.62	1.91	82.61	0.018
		R-1228	48.34-48.67	2.92	95.18	0.016
		R-1229	51.28-51.61	1.96	94.93	0.015
52.88-53.62	Limestone/anhydrite interlaminated to intermixed blue-grey anhydrite and medium grey limestone.					
53.62-53.82	Anhydrite, blue grey to blue white, massive.					
53.82-53.92	Limestone/anhydrite, as above.					
53.92-64.79	Anhydrite, white to light blue, minor to common interstitial limestone.	R-1230	54.23-53.64	1.96	77.81	0.017
		R-1231	57.28-57.53	1.86	91.44	0.012
		R-1232	60.30-60.58	2.39	85.85	0.015
		R-1233	63.17-63.50	3.01	68.63	0.020
64.79-64.82	Limestone, very dark grey, laminae 35° to core axis.					
64.82-65.00	Anhydrite, blue white, abundant orangish-grey dolostone interstitial.					
65.00-65.28	Anhydrite, blue white, minor interstitial dolostone increasing towards base. Contact gradational.	R-1234	65.00-65.33	4.30	95.59	0.005
65.28-67.01	Limestone, light grey, laminated 20° to core axis, increasing anhydrite content towards base of unit. Contact gradational.					
67.01-72.80	Anhydrite, blue white, massive, minor light grey interstitial limestone, minor selenite crystals.	R-1235	67.00-67.28	2.82	90.03	0.010
		R-1236	70.28-70.56	2.82	83.06	0.013
		R-1237	70.97-71.27	5.35	90.09	0.007
		R-1238	72.59-72.92	5.64	65.61	0.010
72.80-78.33	Limestone, grey, gypsiferous, vague bedding 10-15° to core axis, gypsum occurs as selenitic stringers.					
78.33-81.99	Limestone, dark grey, dense, micritic, white calcite stringers throughout.					
81.99-85.95	Limestone, black, organic rich, probably brecciated white calcite veins throughout.					
85.95-89.31	Conglomerate, grey, polymictic angular, pyritic.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
	End of Hole.					

Drilling Performed By: St. Lambert Drilling

Geologist: G. P. Isenor

-----

Property:	Jubilee, Occurrence 0086	Azimuth:	
Hole Number:	ATG-71-79	Dip:	
Latitude:	45°58'56'	Started:	
Longitude:	60°56'01'	Completed:	
Elevation:		Ultimate Depth:	183.79 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-16.76	Overburden.					
16.76-162.76	Amax description: Anhydrite, blue grey, petroliferous, contains 2-5% carbonate throughout.					
162.76-167.54	Anhydrite, blue grey to dark grey, minor to common interstitial dolostone, nodular in part, minor selenite crystals.	R-1199 R-1200	162.76-163.04 164.44-164.74	2.39 2.68	88.26 92.49	0.010 0.006
167.54-167.94	Gypsum, grey, abundant interstitial limestone.					
167.94-168.10	Anhydrite, blue grey, massive, minor interstitial grey limestone.					
168.10-168.25	Gypsum, as above.					
168.25-168.99	Anhydrite, grey, common interstitial limestone, hydration along fractures.					
168.99-169.16	Cavity, infilled by poorly consolidated light grey calcareous mud. Contact erosional.					
169.16-169.60	Gypsum, white to grey, minor to common interstitial dark grey limestone (most abundant at top of unit)	R-1201 R-1202	168.20-168.51 169.22-169.57	10.08 92.69	69.15 0.86	0.010 0.007
169.60-170.10	Anhydrite, grey white with interlaminae of black limestone 90° to core axis, minor hydration along fractures.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
170.10-175.87	Limestone breccia, grey gypsiferous limestone breccia with pyrite, sphalerite and galena mineralization.					
175.87-179.22	Limestone, grey, laminated, massive, pyritiferous. Contact erosional.					
179.22-183.79	Conglomerate, grey green to reddish grey below pyritiferous and calcareous.					
	End of Hole.					

Drilling Performed By: St. Lambert Drilling

Geologist: G. P. Isenor

-----

<b>Property:</b>	Jubilee, Occurrence 0086	<b>Azimuth:</b>	
<b>Hole Number:</b>	ATG-72-79	<b>Dip:</b>	
<b>Latitude:</b>	45°58'57"	<b>Started:</b>	
<b>Longitude:</b>	60°56'08"	<b>Completed:</b>	
<b>Elevation:</b>		<b>Ultimate Depth:</b>	180.75 m

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
0-7.62	Overburden.					
7.62-60.96	Anhydrite, blue grey, massive, petroliferous, minor interstitial limestone.					
60.96-106.07	Anhydrite, blue grey to grey, increasing interstitial limestone with depth (become limestone with anhydrite at base); abrupt change back to anhydrite below.					
106.07-114.91	Anhydrite, blue grey, minor interstitial material.					
114.91-118.26	Anhydrite, grey, petroliferous, common interstitial limestone.					
118.26-121.01	Limestone, laminated and organic rich.					

Depth (m)	Formation	Sample Number	Sample Width (m)	Gypsum %	Anhydrite %	NaCl %
121.01-162.15	Anhydrite, blue grey, massive, variable amounts of interstitial limestone. (Isenor described as ?breccia of rounded anhydrite fragments in an anhydrite matrix.)	R-1203	153.19-153.49	3.01	90.46	0.007
		R-1204	154.33-154.61	3.30	82.62	0.010
		R-1205	155.42-155.78	3.39	53.26	0.023
		R-1206	156.97-157.25	2.49	85.96	0.013
		R-1207	158.67-159.03	3.63	90.05	0.008
		R-1208	160.48-160.78	3.68	86.67	0.006
		R-1209	161.57-161.85	6.31	63.57	0.008
162.76-167.18	Limestone, grey, brecciated pyrite, galena and sphalerite mineralization.					
167.18-171.30	Limestone/gypsum, interbedded grey laminated limestone and gypsum.					
171.30-173.74	Limestone, grey, laminated, massive basal limestone. Contact erosional.					
173.24-180.75	Conglomerate, grey green, pyritiferous.					
	End of Hole.					

**Drilling Performed By:** St. Lambert Drilling

**Geologist:** G. P. Isenor