Table 1: Summary of results, Mississippian and Pennsylvanian magnetic stratigraphy of sections sampled in coastal cliffs at Anse des Dositheé, Broad Cove Chapel and McKays Point (western Cape Breton Island, Nova Scotia), and at Green Creek (southern New Brunswick), Canada. Drill core samples from SB1, Stewiacks, Nova Scotia and Spring Valley Number 1, Prince Edward Island.

Anse des Dosithée

Sample No.	Latitude(°)	Longitude(°)	n	A/F	MAD	Gdecl	Gincl	Bdecl	Bincl	Start	End	VGP Lat
ADD-1	46.54343	61.05387	1	A	0	3.0	-21.2	20.2	-20.1	685	685	77.3
ADD-2	46.54256	61.05477	5	A	3.7	9.5	-15.7	23.4	-12.7	665	685	73.7
ADD-3.1	46.54253	61.05492	5	A	11.4	6.8	3.5	13.3	4.0	665	685	76.8
ADD-3.2	46.54253	61.05492				indeterminate						
ADD-4	46.54146	61.05580	4	A	2.7	5.0	2.1	13.5	-5.4	670	685	80.7
ADD-5	46.54118	61.05600	6	A	6.2	357.5	-18.2	13.7	-16.0	660	685	83.6
ADD_6	46.54089	61.05622	2	A	6.6	354.2	-31.1	18.9	-23.9	665	675	78.3
ADD-7	46.54045	61.05642	4	A	6.0	7.9	-43.2	30.4	-24.4	645	665	67.2
ADD-8	46.54011	61.05659	2	A	1.6	9.3	-12.5	20.7	2.8	660	665	72.6
ADD-9	46.93951	61.05750	3	A	4.3	318.2	-31.9	343.9	-50.7	650	665	59.4
ADD-10	no record	no record	1	A	0	340.6	-16.0	355.4	-14.2	665	665	78
ADD-11	no record	no record				indeterminate						
ADD-12	46.53805	61.05850	3	A	2	357.7	-17.0	18.2	-24.1	660	670	78.8
ADD-13	46.43786	61.05859	5	A	8.5	348.0	-8.1	12	-32.1	645	670	81.1
ADD-14	46.53771	61.05875	4	A	7.3	343.0	-12.3	360.2	-24.0	665	680	82.5
ADD-15	46.53754	61.05899	3	A	9.4	315.2	4.4	326.4	-22.2	670	680	49.8
ADD-16	46.53732	61.05932	2	A	1.7	28.1	-9.5	38.4	0.5	670	675	57.5
ADD-17	46.53715	61.05971	1	A	0	358.9	-9.3	13.1	-13.6	675	675	83.6
ADD-18	46.56399	61.05984	1	A	0	3.1	-6.6	15.4	-9.2	680	680	80.5
ADD-19	46.53696	61.05992	3	A	1.8	11.5	-20.6	30.7	-19.5	675	685	66.9
ADD-20	46.53678	61.06043				indeterminate						
ADD-21	46.53673	61.06059	10	A	1.9	355.5	-8.6	9.6	-12.3	620	685	85.8
ADD-22	46.53667	61.06077	1	A	0	337.1	-2.9	350.3	-16.9	665	665	73.1
ADD-23	46.53667	61.06087	4	A	2.4	347.8	-10.0	359.5	-5.4	645	665	79.6
ADD-24	46.53667	61.06103	9	A	1.6	343.7	-11.2	357	-10.6	600	675	78.9
ADD-25	46.53689	61.06143	9	A	0.8	331.5	-0.9	342.4	-11.6	575	670	65.1
ADD-26	46.53679	61.06132	8	A	0.7	350.8	-5.9	362.5	-9.4	600	670	83.1
ADD-27	46.53691	61.06209	8	A	7.4	19.0	-1.9	26.5	4.1	600	670	67.5
ADD-28	46.53684	61.06216	6	A	16.9	353.5	-2.0	363.4	-6.7	620	665	82.5
ADD-29	46.53683	61.06220	4	A	11.1	0.5	-27.0	21.2	-26.1	650	670	75.8
ADD-30	46.53682	61.06261	7	A	4.8	346.7	-13.8	360.5	-19.3	645	675	83.3
ADD-31	46.53673	61.06288	3	A	6.0	354.0	-24.0	11.6	-27.2	670	680	83.7
ADD-32	46.53674	61.06289	8	A	4.2	354.3	-27.5	13.4	-30.4	640	680	81.1
ADD-33	46.53663	61.06309	3	A	5.1	357.3	-20.8	13.5	-23.2	675	685	83.5
ADD-34	46.53651	61.06326	4	A	3.2	357.2	-25.1	14.5	-24.4	665	680	82.3
ADD-34	46.53651	61.06326	2	A	3.4	358.3	-25.2	15.6	-24.1	670	675	81.3
ADD-35	46.53672	61.06364	2	A	9.4	340.3	-13.2	355.1	-26.9	665	670	77.4
ADD-36	46.53671	61.06389	3	A	6.2	340.5	-16.9	356	-27.8	650	665	77.9
ADD-37	46.53669	61.06389	3	A	11.5	5.2	-19.3	21.1	-21.5	650	665	76.4
ADD-38	46.53521	61.06510	2	A	0.6	341.5	-15.7	354.8	-20.4	575	600	77.7
ADD-39	46.53517	61.06512	2	A	1.7	353.8	-12.4	1.7	-13.7	620	640	86.8
ADD-40	46.53471	61.06540	10	A	2.2	344.6	-24.2	2.1	-23.5	550	670	87.3
ADD-41	46.53459	61.06551	5	A	3.1	352.0	-32.4	16.8	-34.5	645	670	77.1
ADD-42	46.53423	61.06592	3	A	3.9	8.0	-17.6	23.8	-11.3	660	670	73.3
ADD-43	46.53412	61.06595				indeterminate						
ADD-44	46.53409	61.06602	3	A	2.1	319.3	-15.4	330.1	-24.4	650	665	53.4
ADD-45	46.53406	61.06615	3	A	7.2	346.5	-20.3	360.5	-25.6	660	670	82.4
ADD-46	46.53399	61.06602	3	A	2.9	344.2	-13.1	362.1	-16.9	675	685	84.9
ADD-47	46.53385	61.06613	3	A	3.7	354.5	-18.7	13	-23.6	675	685	83.9
ADD-48	46.52728	61.06894	5	A	1.5	324.9	-27.6	356.2	-42.2	665	685	71.9
ADD-49	46.52716	61.06937	5	A	2.6	337.1	-1.7	347.8	-13.8	665	685	70.5
ADD-50	46.52722	61.06953	6	A	1.2	329.2	-12.6	342.2	-15.5	640	670	65.1
ADD-51	46.52706	61.06973	6	A	5.2	346.9	-18.1	359.5	-12.2	640	670	81.5
ADD-52	46.52706	61.06980	1	A	0	348.9	-28.9	1.9	-20.5	650	650	88.4
ADD-53	46.52703	61.06987	6	A	3.1	343.3	-44.9	3.8	-37.4	640	670	78.8
ADD-54	46.52697	61.07040				indeterminate						
ADD-55	46.52763	61.07163	4	A	4.0	347.8	-14.2	360	-8.7	650	670	81
ADD-56	46.53369	61.06688	9	A	1.9	359.1	-5.1	3.7	0.3	575	670	80.1
ADD-57	46.53368	61.06712	10	A	0.7	350.4	-14.2	364	-12.9	575	675	85.4
ADD-58	46.53373	61.06726	11	A	1.6	357.1	-32.4	17.3	-22.4	575	680	80
ADD-59	46.53211	61.06835	5	A	4.1	356.7	-9.7	3.2	-8.9	650	675	84.8
ADD-60	46.53210	61.06843	7	A	7.0	346.9	-21.0	360.9	-22.3	650	685	83.4
ADD-61	46.53201	61.06836	9	A	1.1	1.7	-28.7	21.6	-29.6	640	685	74.8

Broad Cove Chapel

Sample No.	Latitude(°)	Longitude(°)	n	A/F	MAD	Gdecl	Gincl	Bdecl	Bincl	Start	End	VGP Lat
BCC-1	46.26200	61.27625	3	F	6.2	197.2	-34.5	210.3	24.8	685	695	-75.4
BCC-2	46.26219	61.27630	3	F	3.0	172.3	-26.4	191.3	10.7	685	695	-84.2
BCC-3	46.26230	61.27636	6	F	7.6	215.6	-27.9	219.1	40.0	665	690	-63.7
BCC-4	46.26231	61.27627	4	F	18.6	195.9	-8.3	188.2	39.0	675	690	-74.3
BCC-5	46.26235	61.27624				indeterminate						
BCC-6.1	46.26241	61.27610	6	F	4.6	18.5	25.1	24.8	-29.1	665	690	78.9
BCC-6.2	46.26241	61.27610	4	F	5.7	26.1	8.6	17.8	-46.3	675	690	70.8
BCC-7.2	46.26293	61.27540	6	F	17.3	39.8	-1.0	1.8	-58.1	650	680	58.2
BCC-7.3	46.26293	61.27540	6	F	4.4	24.8	1.3	361.3	-43.2	650	680	68
BCC-8	46.26326	61.27503	6	F	9.5	8.0	20.5	14.9	-22.8	650	685	86.3
BCC-9	46.26343	61.27489				indeterminate						
BCC-10	46.26373	61.27450	2	A	5.8	340.0	0.2	343.4	-5.8	670	675	56.9
BCC-11	46.26376	61.27449	3	A	15.0	352.8	-20.8	324.2	-21.6	665	675	38.7
BCC-12	46.26376	61.27444	5	F	16.1	12.0	30.0	23.2	-24.7	650	675	81.7
BCC-13	46.26380	61.27442	4	F	17.3	336.9	61.6	43.3	9.2	650	670	60.1
BCC-14	46.26412	61.27400				indeterminate						
BCC-15	46.26459	61.27355	3	F	38.0	31.6	37.1	44.9	2.6	665	675	60
BCC-16	46.26485	61.27341				indeterminate						
BCC-17.1	46.26498	61.27327	3	F	8.8	359.3	2.4	1.4	-8.5	680	690	78.6
BCC-17.2	46.26498	61.27327	2	A	25.7	15.0	-18.8	3.3	-34.9	680	685	76.1
BCC-18	46.26510	61.27315	2	A	8.3	17.2	-14.1	16.1	-28.9	685	690	82.9
BCC-19	46.26513	61.27312				indeterminate						
BCC-20	46.26533	61.27283	3	F	1.1	7.3	-9.5	10.9	-18	680	690	84.6
BCC-21	46.26554	61.27253	4	A	7.7	5.5	-17.9	1.1	-26	675	690	77.9
BCC-22	46.26574	61.27223				indeterminate						
BCC-23	46.26591	61.27209	7	F	10.9	16.2	4.8	24.1	-5.8	650	685	80.5
BCC-24	46.26595	61.27195				indeterminate						
BCC-25	46.26591	61.27159	5	A	24.7	55.7	-49.8	49.9	-67	665	685	40.1
BCC-26	46.26583	61.27122				indeterminate						
BCC-27	46.26566	61.27102				indeterminate						
BCC-28	46.26561	61.27079				indeterminate						
BCC-29	46.26680	61.27160	3	F	13.6	351.4	13.4	362.6	5.2	650	665	72.5
BCC-30	46.26689	61.27150	3	A	14.3	16.3	16.1	26.4	0.6	650	665	76.6
BCC-31	46.26701	61.27134	6	A	25.1	17.5	50.2	36.8	33.2	640	675	56.6
BCC-32	46.26701	61.27124	6	A	19.1	326.4	60.9	361.5	58.0	650	680	41
BCC-33	46.26716	61.27121	4	F	11.2	63.9	-6.9	72.2	-22.9	670	685	34.8
BCC-34	46.26728	61.27111	4	A	19.1	353.4	-16.1	356.7	-23.9	670	685	70.4
BCC-35	46.26739	61.27109	5	A	27.7	334	-41.0	327.5	-43.0	665	685	40.8
BCC-36	46.26748	61.27095	3	F	7.2	33.4	-19.9	40.3	-27.5	665	675	65.6
BCC-37.1	46.26749	61.27067	5	A	14.3	6.9	-19.2	10	-29.8	660	680	80.3
BCC-37.2	46.26749	61.27067	4	A	6.6	12.4	-5.0	18.6	-16.7	650	670	87.7
BCC-38	46.26803	61.27004	3	F	9.2	354.4	-11.4	358.8	-19.5	660	670	72.8
BCC-39	46.26826	61.27031	3	A	19.4	8.7	-22.0	360	-43.9	660	670	66.8
BCC-40	46.26839	61.27029	5	A	5.9	16.7	-0.3	22.8	-19.6	640	670	83.3
BCC-41	46.26842	61.27028	8	F	6.7	5.8	17.2	15.9	-0.2	600	675	81.7
BCC-42	46.26846	61.27028	4	A	3.4	4.6	-1.8	10	-18.3	660	675	83.8
BCC-43	46.26845	61.27025	5	A	9.4	358.1	7.9	2.2	-7.3	620	665	79
BCC-44	46.26851	61.27024	4	A	5.6	5.7	29.2	18.6	11.5	650	670	75.6
BCC-45	46.26850	61.27018				indeterminate						
BCC-46	46.26879	61.27009	4	A	12.1	356.3	18.0	3.6	-3.6	675	690	79.2
BCC-47	46.26921	61.27022	3	A	6.5	6.0	14.8	16.5	-2.4	680	690	82.8
BCC-48	46.26956	61.27047	6	A	2.5	23.8	8.0	30.9	-18.1	660	685	75.4
BCC-49	46.27030	61.27102				indeterminate						
BCC-50	46.27036	61.27102	9	F	4.0	359.8	8.5	1.8	-15.9	620	685	79.7
BCC-51	46.27043	61.27094	0	F	1.8	0.5	1.6	362.8	-22.2	600	685	76.4
BCC-52	46.27039	61.27096	3	F	2.6	10.3	-8.0	3.2	-35.4	500	680	75.8
BCC-53	46.28193	61.27091				indeterminate						
BCC-54	46.28196	61.27085	2	A	0.6	27.0	-11.4	16	-38.9	620	640	76.4
BCC-55	46.28209	61.27083	2	A	1.4	46.8	-8.2	40.5	-47.5	620	640	59.4
BCC-56	46.28204	61.27081	3	A	3.5	8.2	-8.5	362.7	-23.9	670	680	76.2
BCC-57	46.28212	61.27073	3	A	6.1	13.3	19.9	25.1	5.3	670	680	75.8
BCC-58	46.28368	61.26943	3	A	6.4	32.3	-10.4	32.4	-20.1	670	680	73.9
BCC-59	46.28369	61.26938	4	A	25.6	69.9	-25.9	63.3	-50.1	670	685	40.7
BCC-60	46.28383	61.26914	4	A	4.1	33.3	-24.8	15.7	-29.6	670	685	82.4
BCC-61	46.28360	61.26898	2	A	2.9	38.8	-16.7	23	-30.3	670	675	79.6
BCC-62	46.28364	61.26850	2	A	3.1	65.5	-12.5	58.8	-43.1	660	665	46.2
BCC-63	46.28366	61.26842	2	A	2.5	356.1	-22.5	353.1	-8.7	640	650	66.6
BCC-64	46.28386	61.26808	1	A	0	45.2	-15.7	35.7	-34.3	670	670	68.4
BCC-65	46.28369	61.26797	1	A	0	45.5	-3.3	41.7	-22.0	640	640	64.7

BCC-66	46.28380	61.26799	3	A	2.9	28.0	-1.8	31.5	-7.3	600	640	74.1
BCC-67	46.28395	61.26802	3	A	2.4	11.2	-14.1	9.9	-6.6	600	640	82
BCC-68	46.28397	61.26788	3	A	1.1	357.9	7.9	17.4	18.0	620	650	72.4
BCC_69	46.28394	61.26782	3	A	4.0	16.3	2.4	24.3	-2.4	665	675	79.2
BCC-70	46.28395	61.26776	2	A	2.4	22.1	3.6	30.6	-2.4	670	675	74
BCC-71	46.28388	61.26753	16	F	1.3	201.5	18.5	196.3	12.6	350	675	-88
BCC-72	46.28394	61.26747	3	A	1.4	22.3	-14.9	19.6	-10.7	675	685	85.5
BCC-73	46.28398	61.26727	4	A	3.2	32.7	-14.0	24.3	-16.7	670	685	82
BCC-74	46.28383	61.26722	2	A	2.4	19.3	-9.4	19	-13.0	680	685	86.7
BCC-75a	46.28391	61.26682				indeterminate						
BCC-75b	46.28409	61.26673	5	A	7.3	30.1	-24.7	9.7	-27.7	665	685	27.9
BCC-76	46.28415	61.26658	6	A	2.9	27.1	-14.5	20.5	-20.8	660	685	85.1
BCC-77	46.28421	61.26643	4	A	9.8	42.9	-11.8	29.5	-36.3	670	685	72.5
BCC-78	46.28425	61.26649	3	A	11.7	38.0	-3.5	35.9	-19.6	640	655	70.5
BCC-79	46.28478	61.26628	2	A	6.3	27.8	-4.0	28	-12.4	640	650	78.2
BCC-80	46.28460	61.26604	2	A	6.3	13.4	2.1	21	-3.5	640	650	81.9
BCC-81	46.28459	61.26597	2	A	3.4	16.9	12.4	28.9	-1.0	640	650	75.2
BCC-82a	46.28478	61.26568	1	A	0	20.9	-4.2	48.2	-46.7	640	640	54
BCC-82b	46.28478	61.26568	1	A	0	27.8	31.7	30	-13.6	670	670	54.3
BCC-83	46.28488	61.26539	1	A	0	15.9	-4.3	14.4	-16.5	675	675	88.1
BCC-84	46.28517	61.26503	4	A	1.8	5.1	-0.4	12.5	-1.1	660	675	81.3
BCC-85	46.28535	61.26473	4	A	3.2	5.3	4.6	14.2	-2.9	665	680	82.7
BCC-86	46.28534	61.26477	3	A	4.6	15.7	5.0	21	-10.6	665	675	84.3
BCC-87	46.28534	61.26477	2	A	2.6	20.7	-5.7	15.8	-21.3	670	675	87.3
BCC-88	46.28570	61.26448	1	A	0	321.5	42.8	18.8	55.6	670	670	45.3
BCC-89	46.28570	61.26443	1	A	0	357.8	51.8	47.9	38.5	670	670	46.7
BCC-90	46.28573	61.26446	8	A	5	181.5	8.6	183.8	3.6	620	675	-76.1
BCC-91	46.28593	61.26423	13	A	1.9	191.8	15.7	187.8	13.9	500	675	-81.6
BCC-92	46.28628	61.26396	4	A	4.1	192.7	-1.4	198.2	7.8	660	675	-85.2
BCC-93	46.28702	61.26376	5	A	8.2	189.5	14.2	184.4	16.7	600	655	-78.3
BCC-94	46.28691	61.26350	8	A	3.4	185.4	9.9	180.6	11.1	620	675	-74.3
BCC-95	46.28700	61.26344	11	A	2.9	184.6	-0.8	189.8	6.8	550	675	-82
BCC-96	46.29177	61.26121	12	A	1.4	190.0	11.7	186.5	19.8	525	675	-80.3
BCC-97	46.29176	61.26081	1	A	0	13.7	-4.9	11.1	-25.7	685	685	82.9
BCC-98	46.29181	61.26076	7	A	6.2	191.9	0.6	192.4	21.2	640	675	-85.4
BCC-99	46.29179	61.26047	6	A	12.5	178.5	-12.7	196.9	-9.3	620	670	-76.9
BCC-100	46.29176	61.26031	14	A	2.5	180.1	-6.9	193.9	-6.0	350	665	-78.4
BCC-101	46.29004	61.26223	12	A	7.6	192.0	7.1	192.7	14.7	450	665	-86.4
BCC-102	46.29073	61.26201	4	A	5.9	165.8	19.8	157	11.8	400	525	-51
BCC-103	46.29076	61.26194	4	A	17.5	36.2	-6.0	23	-44.0	655	675	71.4
BCC-104	46.29070	61.26193	11	A	3.3	173.1	17.8	162.6	16.6	400	655	-56.8
BCC-105	46.29134	61.26151	6	A	6.7	253.6	61.7	84.5	63.2	650	675	9.1
BCC-106	46.27174	61.27207	4	A	4.6	9.9	6.1	17.1	-11.0	660	675	87
BCC-107	46.27179	61.27204	3	A	5.9	15.5	12.4	24.3	-6.6	620	650	80.5
BCC-108	46.27194	61.27219	5	A	5.1	339.2	-4.5	341.4	-20.4	600	655	55.5
BCC-109	46.27197	61.27220	4	A	6.5	341.2	25.6	355.3	8.3	660	675	65.7
BCC-110	46.27203	61.27220	4	A	4.9	356.9	-3.6	360.9	-24.2	665	680	74.4
BCC-111	46.27207	61.27216	4	A	5.8	355.6	23.5	3.4	3.5	660	675	76.6
BCC-112	46.27684	61.27262	3	A	4.7	79.3	-19.6	93.5	-36.0	650	660	14.8
BCC-113	46.27688	61.27240	7	A	6.8	1.9	-23.6	361	-36.7	650	680	71
BCC-114	46.27697	61.27206	5	A	2.9	353.3	-14.3	349.3	-27.7	660	680	63
BCC-115	46.27742	61.27219				indeterminate						
BCC-116	46.27738	61.27195	9	A	6.4	352.0	-17.2	349.4	-29.9	575	670	62.7
BCC-117	46.27749	61.27170	8	A	2.0	359.6	7.4	3.2	-9.4	600	670	80.4
BCC-118	46.27759	61.27159	7	A	2.2	1.4	0.3	0.3	-19.7	600	665	78.1
BCC-119	46.27891	61.27190				indeterminate						
BCC-120	46.27926	61.27186	2	A	10.4	351.0	0.8	357.9	-6.3	665	670	71.1
BCC-121	46.27928	61.27185	3	A	19.4	50.3	-7.1	54.5	-33.3	665	675	51.6
BCC-122	46.27943	61.27171				indeterminate						
BCC-123	46.27960	61.27168	12	A	4.1	6.8	-7.6	8.3	-15.4	525	675	82.2
BCC-124	46.27965	61.27167				indeterminate						
BCC-125	46.28013	61.27131	4	A	7.5	18.8	50.3	44.7	32.9	665	680	51.4
BCC-126	46.28022	61.27131										
BCC-127	46.28029	61.27116	6	A	1.8	358.9	9.9	3.1	-9.2	650	675	80.1
BCC-128	46.28050	61.27105	4	A	4.1	9.0	2.3	15	-11.8	660	675	87.3

Green Creek

Sample No.	Latitude(°)	Longitude(°)	n	A/F	MAD	Gdecl	Gincl	Bdecl	Bincl	Start	End	VGP Lat
GC-1	45.77800	64.45107				indeterminate						
GC-2	45.77800	64.45106				indeterminate						
GC-3	45.77800	64.45099				indeterminate						
GC-4	45.77800	64.45089	6	A	7.0	260.1	-59.3	205.5	0.8	660	685	-68.4
GC-5	45.77813	64.45086	2	A	6.1	155.6	-69.5	171.5	24.1	680	685	-75.4
GC-6	45.77819	64.45072	2	A	1.5	5.0	49.6	12.1	-41.3	670	675	74.2
GC_7	45.77830	64.45054	1	A	0	235.4	-80.6	183.8	5.1	650	650	-83.1
GC-8	45.77832	64.45055				indeterminate						
GC-9	45.77838	64.45044	3	A	4.1	44.5	71.5	11.2	-11.2	665	675	83.6
GC-10	45.77839	64.45054	2	A	5.2	183.8	56.0	343	30.0	670	675	56.2
GC-11	45.77850	64.45033				indeterminate						
GC-`12	45.77853	64.45030				indeterminate						
GC-13	45.77855	64.45029				indeterminate						
GC-14	45.77857	64.45030				indeterminate						
GC-15	45.77859	64.45027	3	A	6.7	156.6	-63.0	173.5	21.3	600	640	-77.7
GC-16	45.77865	64.45032	3	A	4.4	34.7	55.7	15.1	-13.9	650	665	80.5
GC-17.1	45.77870	64.45039	4	A	4.4	341.5	60.6	348.5	-26.2	650	670	72.4
GC-17.2	45.77870	64.45039	4	A	3.7	41.6	27.7	44.3	-19.1	660	675	52
GC-18	45.77871	64.45027	2	A	2.9	30.6	42.6	26.1	-22.3	640	650	70
GC-19	45.77870	64.45021	1	A	0	244.9	-66.4	186.6	-0.8	670	670	-80.4
GC-20	45.77878	64.45015	4	A	2.5	324.6	55.5	337.3	-34.1	660	675	60.8
GC-21	45.77883	64.45016				indeterminate						
GC-22	45.77882	64.45018	4	A	5.1	3.3	58.9	359.9	-26.5	650	670	82.4
GC-23	45.77906	64.45076	3	A	7.2	325.5	63.5	339.3	-26.3	660	670	63.5
GC-24	45.77901	64.44985	2	A	3.8	230.2	83.5	336.7	1.4	660	665	59.4
GC-25	45.77890	64.45015	3	A	5.8	328.7	68.6	341.4	-21.3	650	665	65.8
GC-26	45.77896	64.45008	1	A	0	350.4	56.0	355.9	-33	665	665	76.9
GC-27	45.77899	64.45007	3	A	6.5	352.1	50.0	359.4	-38.4	650	665	76.1
GC-28	45.77899	64.45009	1	A	0	77.8	60.5	16.1	5.3	670	670	74.4
GC-29	45.77901	64.45008				indeterminate						
GC-30	45.77903	64.45007	1	A	0	23.3	68.4	363	-14.7	680	680	86.8
GC-31	45.77908	64.45014				indeterminate						
GC-32	45.77911	64.45010	1	A	0	45.5	27.7	47.6	-18.9	680	680	48.8
GC-33	45.77911	64.45010	1	A	0	293.2	71.3	333.8	-13.4	685	685	58.2
GC-34	45.77919	64.45013	4	A	4.1	38.1	60.9	13	-13.6	665	680	82.5
GC-35	45.77916	64.45004	5	A	6.9	63.3	62.4	14.5	-1.7	665	685	78.1
GC-36	45.77923	64.45007	2	A	6.2	102.0	51.8	19.8	20.8	660	665	65.8
GC-37	45.77926	64.45010	2	A	2.5	61.4	53.8	23.1	-3.3	660	665	71.3
GC-38	45.77939	64.45013	1	A	0	146.0	-52.6	158.7	36.6	675	675	-61.6
GC-39	45.77999	64.45007	4	A	1.1	195.6	-54.1	192.8	28.4	650	670	-80.9
GC-40	45.78009	64.44996	3	A	0.6	207.6	-46.8	203.6	26.3	650	665	-72
GC-41	45.78028	64.44982	3	A	1.3	211.5	-61.0	192	16.7	650	665	-83.9
GC-42	45.78039	64.44981	3	A	0.9	183.7	-68.0	179.1	18.1	640	660	-83.3
GC-43	45.78045	64.44978	1	A	0	259.6	-69.9	189.9	-5.2	680	680	-77.5
GC-44	45.78048	64.44971	1	A	0	214.1	-61.3	205.8	31.3	675	675	-69.1
GC-45.1	45.78049	64.44962	7	A	1.1	196.4	-67.5	194.3	30.7	640	680	-78.8
GC-45.2	45.78049	64.44962	4	A	0.6	179.8	-68.6	187	31.3	660	675	-82.1
GC-46	45.78061	64.44951	6	A	1.3	187.3	-72.6	178.2	15.4	640	675	-82.3
GC-47	45.78074	64.44933	2	A	1.4	220.2	-77.0	178.8	10.7	670	675	-82.1
GC-48	45.78079	64.44939	10	A	4.1	183.0	-80.9	171.1	13.1	575	680	-75.2
GC-49	45.78079	64.44929	3	A	4.3	198.3	-59.5	189.2	27.1	670	680	-83.9
GC-50	45.78090	64.44919	5	A	4.4	235.1	-68.4	187.5	8.6	660	680	-84.9
GC-51.1	45.78112	64.44865	2	A	1.8	182.0	-63.7	180.1	19.3	660	665	-84.3
GC-51.2	45.78112	64.44865	3	A	7.3	203.8	-46.8	201.7	25.4	650	665	-73.9
GC-52	45.78113	64.44863	3	A	4.5	186.9	-40.9	195.7	37.9	575	620	-74.6

McKay's Point

Sample No.	Latitude(°)	Longitude(°)	n	A/F	MAD	Gdecl	Gincl	Bdecl	Bincl	Start	End	VGP Lat
MP-1	45.90792	61.51253	3	A	3.1	3.6	10.4	8.3	-4.5	660	670	79.3
MP-2	45.90792	61.51260	7	A	5.0	352.6	-0.8	10.3	-18.6	640	680	84.4
MP-3	45.90792	61.51260	8	A	4.4	344.3	0.5	363.8	-24.4	575	670	88.3
MP-4	45.90791	61.51266	8	A	9.5	343.5	-0.2	0.8	-26.1	575	670	88.6
MP-5	45.90792	61.51268	3	A	1.7	342.8	13.8	352.6	-17.7	660	670	76.8
MP-6	45.90798	61.51277	3	A	4.5	359.1	-64.1	76.1	-35.7	660	670	22.2
MP-7	45.90797	61.51278	5	A	12.1	343.3	17.4	348.3	-9.8	650	675	71.4
MP-8	45.90797	61.51281	10	A	3.9	353.7	-0.5	8.7	-14.9	550	680	84.2
MP-9	45.90799	61.51283	6	A	12.8	347.8	16.6	353.1	-10.8	650	680	75.9
MP-10	45.90808	61.51288	7	A	2.7	8.7	-0.9	19.6	-5.3	620	680	72.9
MP-11	45.90825	61.51291	9	A	6.0	3.2	8.2	8.9	-2.4	600	680	78.2
MP-12	45.90851	61.51290	2	A	0.9	338.1	-26.3	18.7	-47.5	680	685	69.8
MP-13	45.90905	61.51284				indeterminate						
MP-14	45.91018	61.51276	3	A	8.4	327.2	-8.1	360	-40.2	675	685	78.4
MP-15	45.91079	61.51257	3	A	10.0	340.3	-3.0	361	-26.6	675	685	85.4
MP-16	45.91145	61.51237	2	A	8.5	1.2	-24.4	35.2	-25.2	675	680	61.1
MP-17	45.91154	61.51243	1	A	0	314.5	-30.9	17.8	-65.7	675	675	53.2
MP-18	45.91200	61.51266	1	A	0	348.2	4.8	358	-9.1	670	670	79.2
MP-19	45.91209	61.51281	2	A	4.6	329.2	-19.4	357.6	-36.9	670	675	79
MP-20	45.91222	61.51282	2	A	1.0	335.5	5.5	350.8	-23.6	650	660	75.6
MP-21	45.91222	61.51282				indeterminate						
MP-22	45.91283	61.51291	1	A	0	355.9	-0.4	9.9	-11.6	620	620	82
MP-23	45.91283	61.51296	2	A	2.6	330.0	-3.9	355.2	-34.0	660	670	78.3
MP-24	45.91293	61.51273	2	A	4.8	339.0	-20.2	16.1	-36.3	650	660	77.2
MP-25	45.91394	61.51303	4	A	1.1	348.6	-8.8	11	-25.2	640	665	84.7
MP-26	45.91338	61.51308	3	A	3.2	324.6	-8.5	351.3	-42.2	650	665	72
MP-27	45.91345	61.51308	6	A	2.2	347.5	5.9	359.8	-16.2	450	665	82.9
MP-27.2	45.91352	61.51307	4	A	3.5	331.6	-17.3	2.5	-43.6	660	675	72.4
MP-28	45.91369	61.51313	1	A	0	351.3	-3.2	11.5	-21.7	675	675	84
MP-29	45.91369	61.51314	1	A	0	300.0	35.8	305.8	-17.1	675	675	31.4
MP-30	45.91382	61.51311	2	A	0.7	345.1	-9.0	8.2	-25.8	670	675	87.1
MP-31	45.91405	61.51316				indeterminate						
MP-32	45.91472	61.51359	4	A	0.7	349.9	-1.1	1.5	-18.3	670	685	86.8
MP-33	45.91498	61.51376	3	A	2.6	341.7	9.3	352	-15.6	670	680	75.9
MP-34	45.91501	61.51392	2	A	4.9	356.6	-1.8	11	-14.2	670	675	82.5
MP-35	45.91524	61.51432	4	A	2.9	330.3	-4.5	350.2	-29.9	660	675	74.9
MP-36	45.91527	61.51434				indeterminate						
MP-37	45.91540	61.51456	3	A	4.2	349.5	-7.8	9.9	-20.4	650	665	85.2
MP-38	45.91538	61.51462	3	A	4.6	338.6	-14	3.1	-32.4	660	670	84.6
MP-39	45.91539	61.51475	12	A	1.0	6.8	-20.4	31.5	-15.8	500	675	64
MP-40	45.91532	61.51526	3	A	2.5	337.3	4.0	352.2	-21.2	600	640	76.9
MP-41	45.91529	61.51530	1	A	0	12.3	-0.7	20	1.2	660	660	70.5
MP-42	45.91542	61.51548	3	A	3.2	340.6	13.8	346.7	-7.7	660	670	69.5
MP-43	45.91550	61.51551	2	A	4.9	315.9	-18.6	343.5	-50.2	665	670	62.6
MP-44	45.91556	61.51556	3	A	7.5	352.8	-43.5	42.5	-43.7	670	680	52.8
MP-45	45.91646	61.51586	3	A	3.0	349.7	0.2	0.5	-15.3	665	675	85.1
MP-46	45.91656	61.51588	4	A	0.9	340.2	-16.8	13.1	-35.7	660	675	79.7
MP-47	45.91662	61.51599	4	A	0.7	356.7	-6.7	14.1	-14.3	650	670	80
MP-48	45.91450	61.51599	3	A	4.8	344.8	21.9	346.5	-3.8	660	670	68.4

n = number of points used in calculating the Principle component; A/F: A indicates that the vector was anchored to the origin, F indicates that it was not; MAD = Mean Angular Deviation of the points around the principle component vector; G = vector in geographic coordinates; B = vector corrected for bedding tilt; start and end indicates the temperature range (°C) over which the principle vector was determined; decl = declination in degrees; incl = inclination in degrees; indeterminate = no reliable interpretation of results

* longitude and latitude for NAD 83; GPS location for each sample location, in decimal-degrees

Drillcore samples for magnetic polarity determination

Spring Valley well - all depths in meters (sample number = SV+depth)
collared in Naufrage Formation of Giles and Utting (1999)
latitude 46.50° longitude 63.25°

Sample No.		Dec	Inc	VGPLon	VGPLat	Angle	Polarity
SV-8	Naufrage Formation; Stephanian to ? Earliest Permian	175	-9.3	306	-48.6	-81.2	R
SV-24.45	Naufrage Formation	173.2	-14.2	309.2	-50.9	-81.2	R
SV-44.28	Naufrage Formation	160.3	3	324.4	-39.5	-82.8	R
SV-68.22	Naufrage Formation	156.8	-2.8	330	-41.1	-79.7	R
SV-97.37	Naufrage Formation	164.3	-8	321.3	-45.9	-85.8	R
SV-103.3	Naufrage Formation	175.3	-5.3	305.3	-46.6	-81.6	R
SV-125.9	Naufrage Formation	168.3	-10.5	316.1	-48.1	-85.4	R
SV-131.47	Naufrage Formation	156.2	-6.7	331.7	-42.7	-78.8	R
SV-152.4	Naufrage Formation	185.3	-12.3	290.3	-50.1	-71.1	R
SV-170.6	Naufrage Formation	173.9	-8	307.6	-47.8	-82.5	R
SV-184.67	Naufrage Formation	165	-0.3	319	-42.4	-87.8	R
SV-200.1	Naufrage Formation	168.5	-2.8	314.7	-44.4	-88.5	R
SV-220.51	Naufrage Formation	173.9	3.8	306.7	-41.9	-82.7	R
SV-248.6	Naufrage Formation	163.9	5.3	319.5	-39.4	-85.3	R
SV-258.9	Naufrage Formation	156.6	-5.3	330.9	-42.2	-79.4	R
SV-273.34	Naufrage Formation	176.5	5.4	303.2	-41.3	-80	R
SV-290.6	Naufrage Formation	162.8	6.4	320.7	-38.6	-84.1	R
SV-310.1	Naufrage Formation	170.5	4.5	311.1	-41.1	-85.4	R
SV-326.64	Naufrage Formation	159.1	9.6	324.6	-36	-80.2	R
SV-343.4	Naufrage Formation	164.4	-1.2	320	-42.7	-87.3	R
SV-354.9	Naufrage Formation	168.3	-1.7	314.8	-43.8	-88.8	R
SV-383.05	Naufrage Formation	153	10.3	331.4	-33.5	-74.7	R
SV-398.83	Naufrage Formation	165.5	11.5	316.6	-36.7	-83.2	R
SV-418.7	Naufrage Formation	136.8	15.2	346.4	-24	-58.6	R
Naufrage Fm/Cable Head Fm contact at ~428m							
SV-441.7	Cable Head Formation; Stephanian	178.6	-0.5	300.5	-44.3	-78.5	R
SV-452.94	Cable Head Formation	163.5	-7.1	322.3	-45.3	-85.5	R
SV-479.4	Cable Head Formation	171.6	-36.4	316.3	-63.4	-70.1	R
SV-547.88	Cable Head Formation	170.3	-4.2	312.4	-45.4	-86.6	R
SV-596.13	Cable Head Formation	168.5	1.4	314.1	-42.3	-87.9	R
SV-603.35	Cable Head Formation	169.2	-8	314.4	-47.1	-86.2	R
SV-686.37	Cable Head Formation	170.7	-1.6	311.5	-44.2	-86.4	R
Cable Head Fm/Green Gables Fm contact at ~740m							
SV-740.37	Green Gables Formation; Westphalian D into Stephanian	169.4	3.9	312.7	-41.2	-86.4	R
SV-807.8	Green Gables Formation	166.1	-6.1	318.5	-45.5	-87.6	R
SV-834.82	Green Gables Formation	162.4	4.5	321.5	-39.4	-84.4	R
SV-842.8	Green Gables Formation	168.9	5	313.2	-40.6	-86.2	R
SV-866.45	Green Gables Formation	175.3	-10.9	305.7	-49.4	-80.6	R
SV-892.84	Green Gables Formation	122.9	-19.2	10.7	-29.7	-45.1	R
SV-931.42	Green Gables Formation	168.9	-4.8	314.4	-45.4	-87.6	R
SV-985	Green Gables Formation	169.2	-26.1	317.8	-56.6	-76.9	R
SV-997.46	Green Gables Formation	160.8	-9.9	326.5	-45.8	-82.5	R
SV-1048.56	Green Gables Formation	186.2	-10.4	289.1	-49	-70.4	R
SV-1048.60	Green Gables Formation	172.9	-15.9	309.9	-51.7	-80.7	R
SV-1080.60	Green Gables Formation	159.4	-8.1	328	-44.5	-81.7	R
SV-1121.26	Green Gables Formation	165.7	-3.9	318.7	-44.3	-88.2	R
SV-1121.30	Green Gables Formation	168.7	-4.8	314.7	-45.4	-87.8	R
SV-1147.44	Green Gables Formation	169.9	-11.4	313.9	-48.9	-84.4	R
SV-1147.77	Green Gables Formation	168.4	-1.2	314.6	-43.6	-88.7	R
Green Gables Fm/Bradelle Fm contact at ~1155m							
SV-1194.1	Bradelle Formation; Westphlian B to C (Duckmantian to Bolsov	166.1	-8.6	318.9	-46.7	-86.4	R
SV-1194.8	Bradelle Formation	166.4	-18.7	320.6	-51.9	-81.2	R

From this depth, stratigraphy has been modified from Giles and Utting (1999)
Westphalian Unconformity of Giles and Utting (1999)
Bradelle Fm/Grande Anse Fm contact at 1256.00

SV-1322.07	Grande Anse Formation; Langsettian	170.8	-11.3	312.5	-49	-83.9	R
SV-1322.12	Grande Anse Formation	166.8	-8.7	318	-46.9	-86.5	R
SV-1347.47	Grande Anse Formation	165.4	-12.6	320.7	-48.5	-84.2	R
SV-1433.48	Grande Anse Formation	165.1	-3.8	319.5	-44.1	-87.7	R
SV-1433.51	Grande Anse Formation	167.1	-5.6	317	-45.5	-88	R
SV-1528.57	Grande Anse Formation	173.2	-11	308.9	-49.2	-82.3	R
SV-1528.61	Grande Anse Formation	171.6	-12.3	311.5	-49.7	-83	R

SV-1534.39	Grande Anse Formation	167.9	-2.7	315.5	-44.2	-89.1	R
SV-1534.42	Grande Anse Formation	169.4	-4.5	313.7	-45.4	-87.3	R
SV-1545.90	Grande Anse Formation	167.2	-20	319.6	-52.8	-80.5	R
Grand Anse Fm/Enragé Fm contact at 1621.55							
	(Pennsylvanian/Mississippian boundary)						
SV-1623.80	Enragé Formation; Arnsbergian	175.2	-6.9	305.6	-47.4	-81.5	R
SV-1625.52	Enragé Formation	172.3	-7.9	309.9	-47.5	-83.9	R
SV-1643.00	Enragé Formation	195.8	30.5	281.6	-26.1	-56.8	R
SV-1658.75	Enragé Formation	347.3	-38.6	131.2	21.4	67.4	N
SV-1660.75	Enragé Formation	308.5	-8.4	176	22.3	51.1	N
SV-1672.11	Enragé Formation	358.3	-48.9	120	14.3	57.5	N
SV-1676.17	Enragé Formation	343.6	3.4	141.4	43.5	86.4	N
SV-1686.04	Enragé Formation	354.2	-45.3	123.9	17.1	61.5	N
SV-1692.60	Enragé Formation	347.6	17.3	138.4	51.5	82	N
SV-1695.82	Enragé Formation	356.4	-51.2	121.6	12.2	56.1	N
SV-1696.50	Enragé Formation	347.1	-27.3	132.7	28.5	74.7	N

Stewiacke Borax No. 1 (SB1); Shubenacadie Basin, Nova Scotia
latitude 45.16° longitude 63.32°

Sample No.	(all depths in feet) (sample number = SB1 + depth)	Polarity
SB1-177.2	redbeds high in Watering Brook Formation, Pendleian	IND
SB1-177.5	redbeds high in Watering Brook Formation, Pendleian	IND
SB1-663.2	redbeds beneath Kennetcook Limestone; high in Brigantian	IND
SB1-738.5	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-743.6	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-748.5	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-752.3	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-757.8	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-762.7	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-767.3	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-772	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-777.3	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-782	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-787	thick red silt section beneath Wallace point Limestone, late Brigantian	IND
SB1-806.5	red silt beneath Meander River Limestone, mid-Brigantian	IND
SB1-823.5	red silt beneath Meander River Limestone, mid-Brigantian	IND
SB1-877.9	thick red silt interval beneath Avon limestone, mid-Brigantian	IND
SB1-888.2	thick red silt interval beneath Avon limestone, mid-Brigantian	IND
SB1-898.2	thick red silt interval beneath Avon limestone, mid-Brigantian	IND
SB1-907.6	thick red silt interval beneath Avon limestone, mid-Brigantian	IND
SB1-917.7	thick red silt interval beneath Avon limestone, mid-Brigantian	IND
SB1-923.3	thick red silt interval beneath Avon limestone, mid-Brigantian	IND
SB1-949.4	red silt beneath Green Creek Limestone, lower Brigantian	IND
SB1-973.5	red silt beneath Green Creek Limestone, lower Brigantian	IND
SB1-994.1	red silt beneath Shubenacadie limestone, lower Brigantian	IND
SB1-1002.5	red silt beneath Shubenacadie limestone, lower Brigantian	IND
SB1-1110.3	upper MacDonald Road Formation, latest Asbian	IND
SB1-1118.2	upper MacDonald Road Formation, latest Asbian	IND
SB1-1381.9	MacDonald Road nodular silt marker. Early Late Asbian	IND
SB1-1395.1	MacDonald Road nodular silt marker. Early Late Asbian	IND
SB1-1396.9	MacDonald Road nodular silt marker. Early Late Asbian	IND
SB1-1402.5	MacDonald Road nodular silt marker. Early Late Asbian	IND

All SB1 samples exhibited viscous behavior during heating and demagnetization; no interpretation possible