GEOLOGICAL SURVEY OF CANADA

OPEN FILE 1829

GEOCHEMICAL CHARACTERIZATION OF THE GOLDENVILLE FORMATION - HALIFAX FORMATION TRANSITION ZONE[1]

PART 1

LOCATION MAPS, SAMPLE SECTIONS AND MAJOR ELEMENT, HARKER VARIATION DIAGRAMS

PART 2

DATA TABLES AND SAMPLE DESCRIPTIONS

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NOTE

THIS OPEN FILE REPORT IS UNEDITED AND THE DATA HAVE NOT UNDERGONE A THOROUGH REVIEW BY THE GEOLOGICAL SURVEY OF CANADA

THE REPORT IS A COMPILATION OF ANALYTICAL AND DESCRIPTIVE DATA OBTAINED BY M.C. GRAVES (CUESTA RESEARCH LIMITED) AND M. ZENTILLI (DALHOUSIE UNIVERSITY) DURING 1985 AND 1986 AS PART OF THE CONTRACT STUDY ON THE LITHOGEOCHEMISTRY OF THE GOLDENVILLE FORMATION - HALIFAX FORMATION TRANSITION ZONE OF THE MEGUMA GROUP, NOVA SCOTIA.

TO FACILITATE EASY USE OF PROJECT DATA BY THE USER, THE REPORT IS PRESENTED IN TWO PARTS:

PART 1 - LOCATION MAPS, SAMPLE SECTIONS AND MAJOR ELEMENT HARKER VARIATION DIAGRAMS, AND

PART 2 - DATA TABLES AND SAMPLE DESCRIPTIONS.

A SEPARATE REPORT INTERPRETING THE RESULTS IS BEING PREPARED BY THE AUTHORS FOR PUBLICATION

Nova Scotia Department of Mines and Energy

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Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada

Canada

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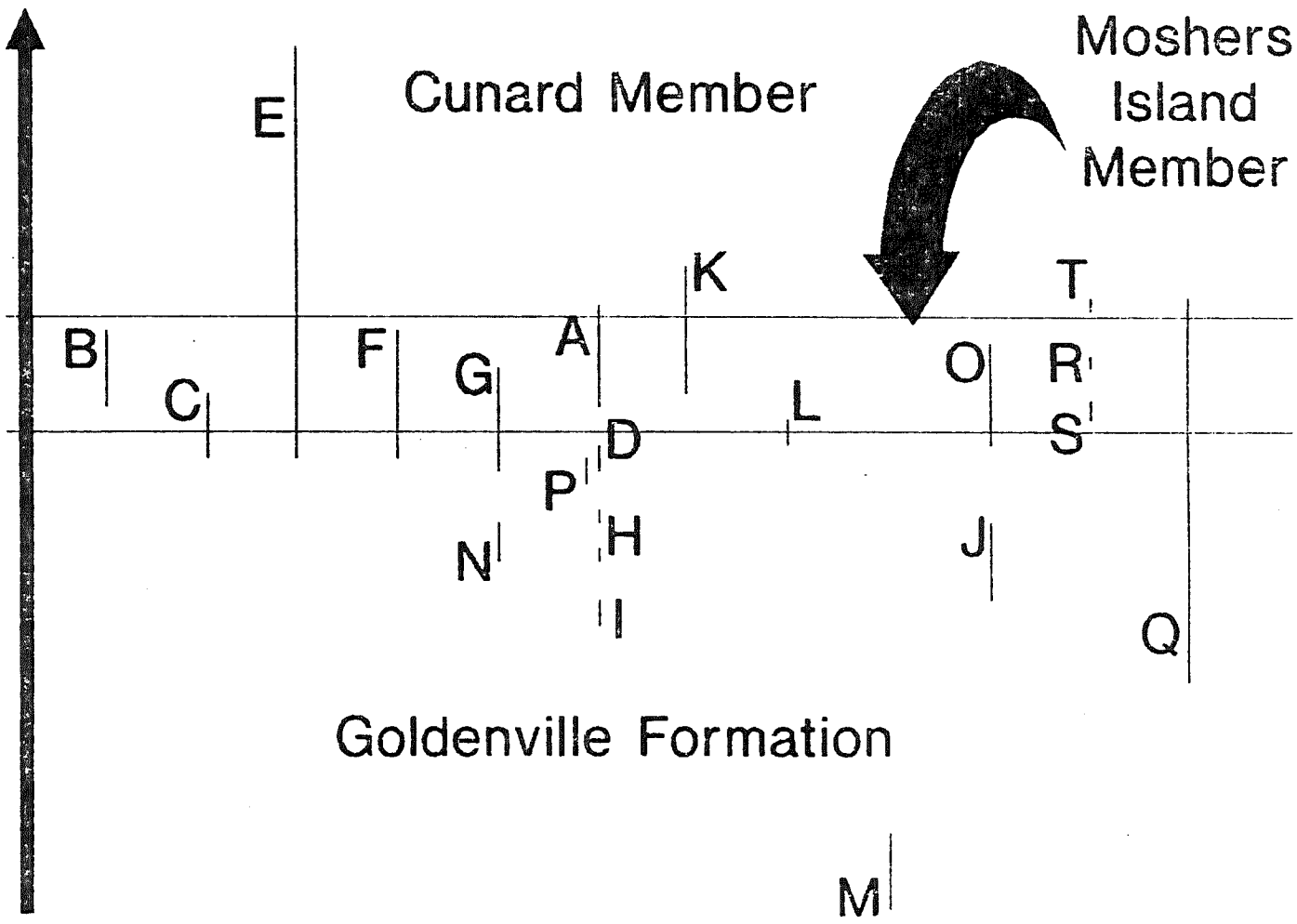


Figure 1: Relative stratigraphic position of sample sections. Vertical axes not to scale. Horizontal position of section arbitrary. Sections indicated by letter as per list below.

List of Sample Sections

A.	Bells Cove	H.	Crescent Beach and Crescent Beach Cove	N.	Nickerson Point
B.	Blockhouse	I.	Green Bay	O.	Sanford
C.	Broad River	J.	High Head	P.	Sperry Cove
D.	Bush Island	K.	Lake Charlotte	Q.	Tancook Island
E.	Caribou	L.	Liscomb Harbour	R.	Fogerty Head
F.	Chebogue	M.	Liverpool Harbour	S.	Lundy
G.	Cranberry Head			T.	Queensport

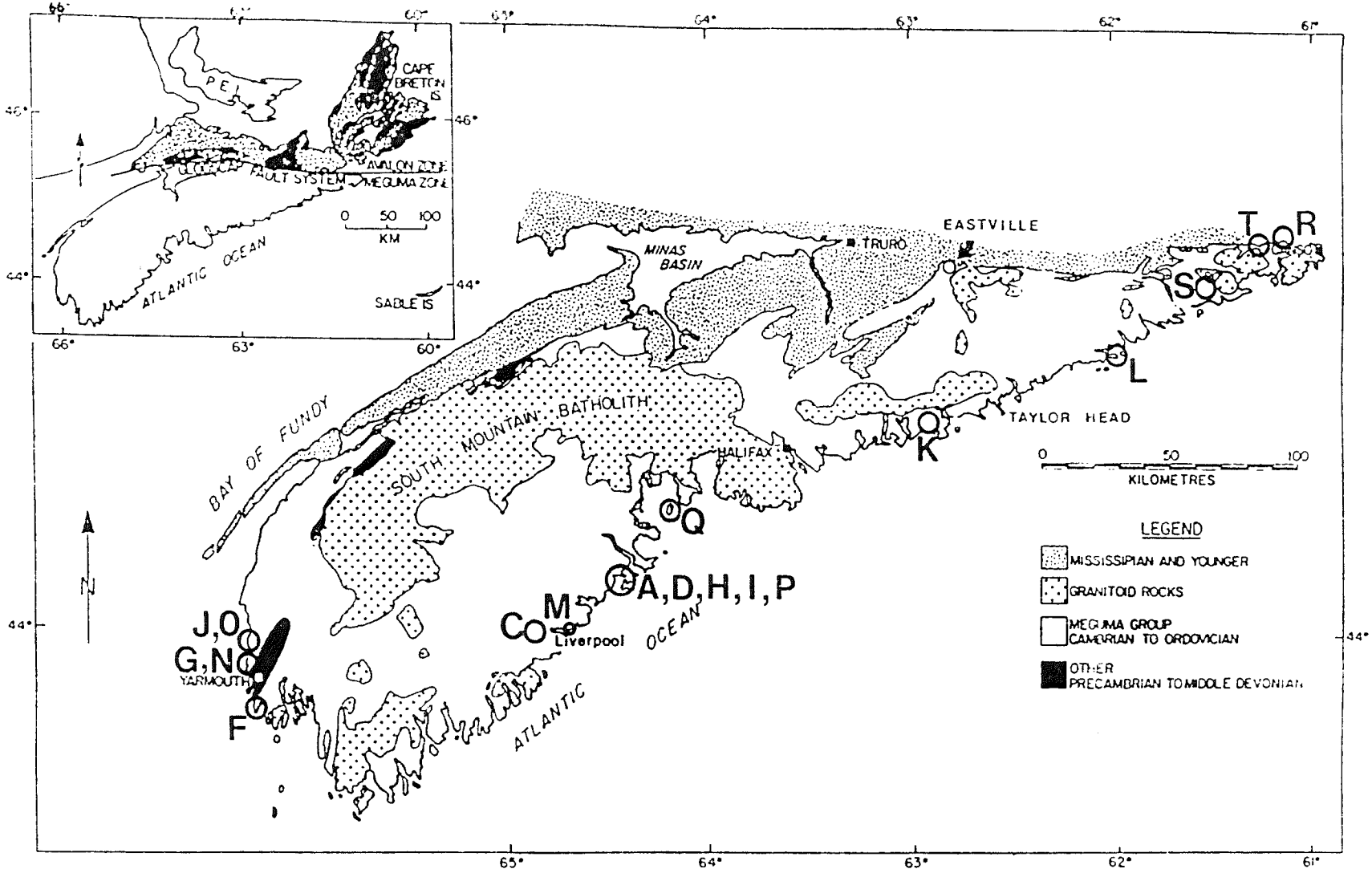


Figure 2: Index map of southern Nova Scotia showing location of sample sections. Sections indicated by letter as per list below.

List of Sample Sections

A.	Bells Cove	H.	Crescent Beach and Crescent Beach Cove	N.	Nickerson Point
B.	Blockhouse			O.	Sanford
C.	Broad River	I.	Green Bay	P.	Sperry Cove
D.	Bush Island	J.	High Head	Q.	Tancook Island
E.	Caribou	K.	Lake Charlotte	R.	Fogerty Head
F.	Chebogue	L.	Liscomb Harbour	S.	Lundy
G.	Cranberry Head	M.	Liverpool Harbour	T.	Queensport

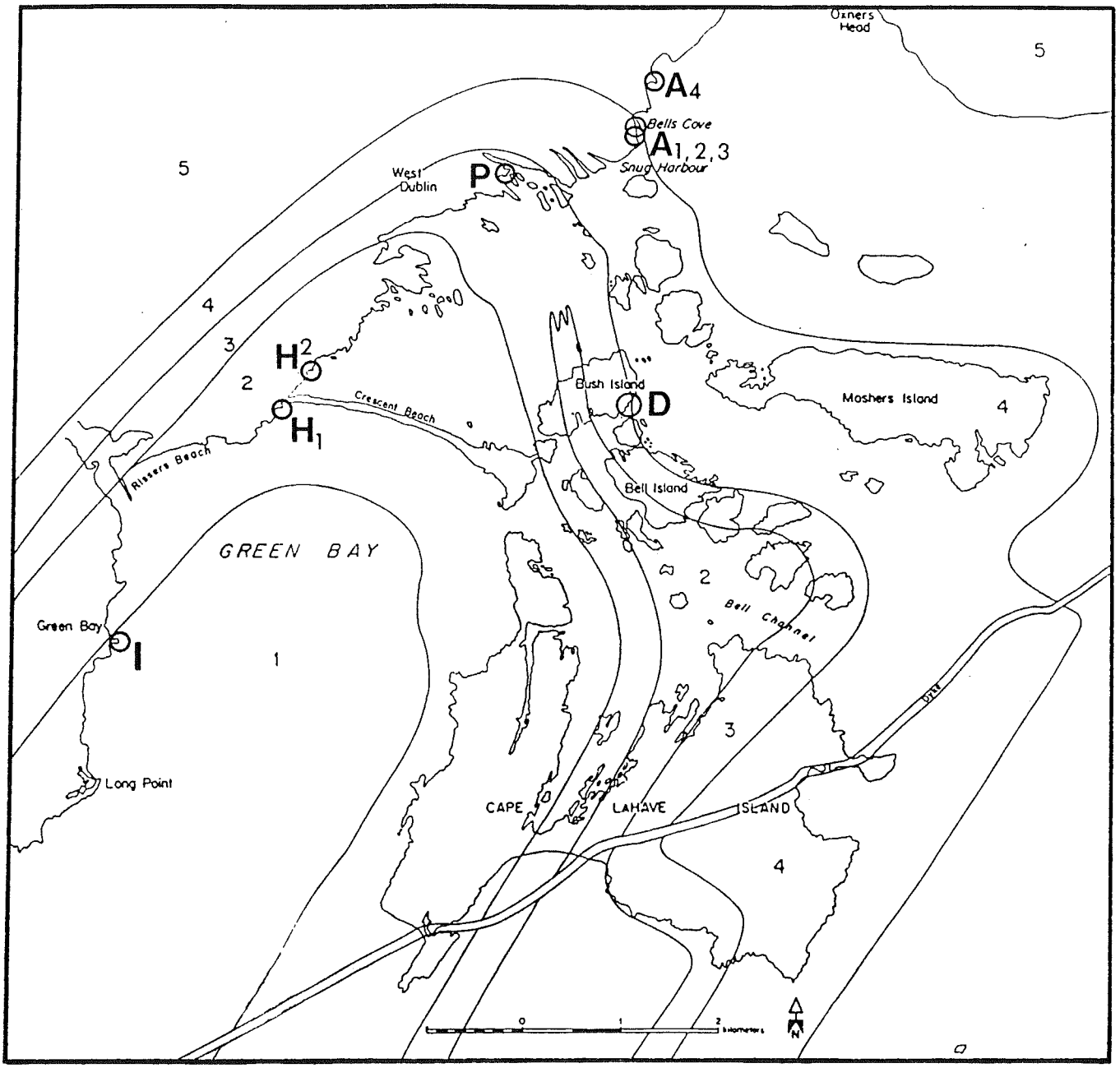


Figure 3: Index map of Dublin Shore and LaHave Islands area of Lunenburg County showing location of Dublin Shore sample sections. Sections indicated by letter as per list below.

List of Sample Sections

A. Bells Cove	H. Crescent Beach and Crescent Beach Cove	N. Nickerson Point
B. Blockhouse	I. Green Bay	O. Sanford
C. Broad River	J. High Head	P. Sperry Cove
D. Bush Island	K. Lake Charlotte	Q. Tancook Island
E. Caribou	L. Liscomb Harbour	R. Fogerty Head
F. Chebogue	M. Liverpool Harbour	S. Lundy
G. Cranberry Head		T. Queensport

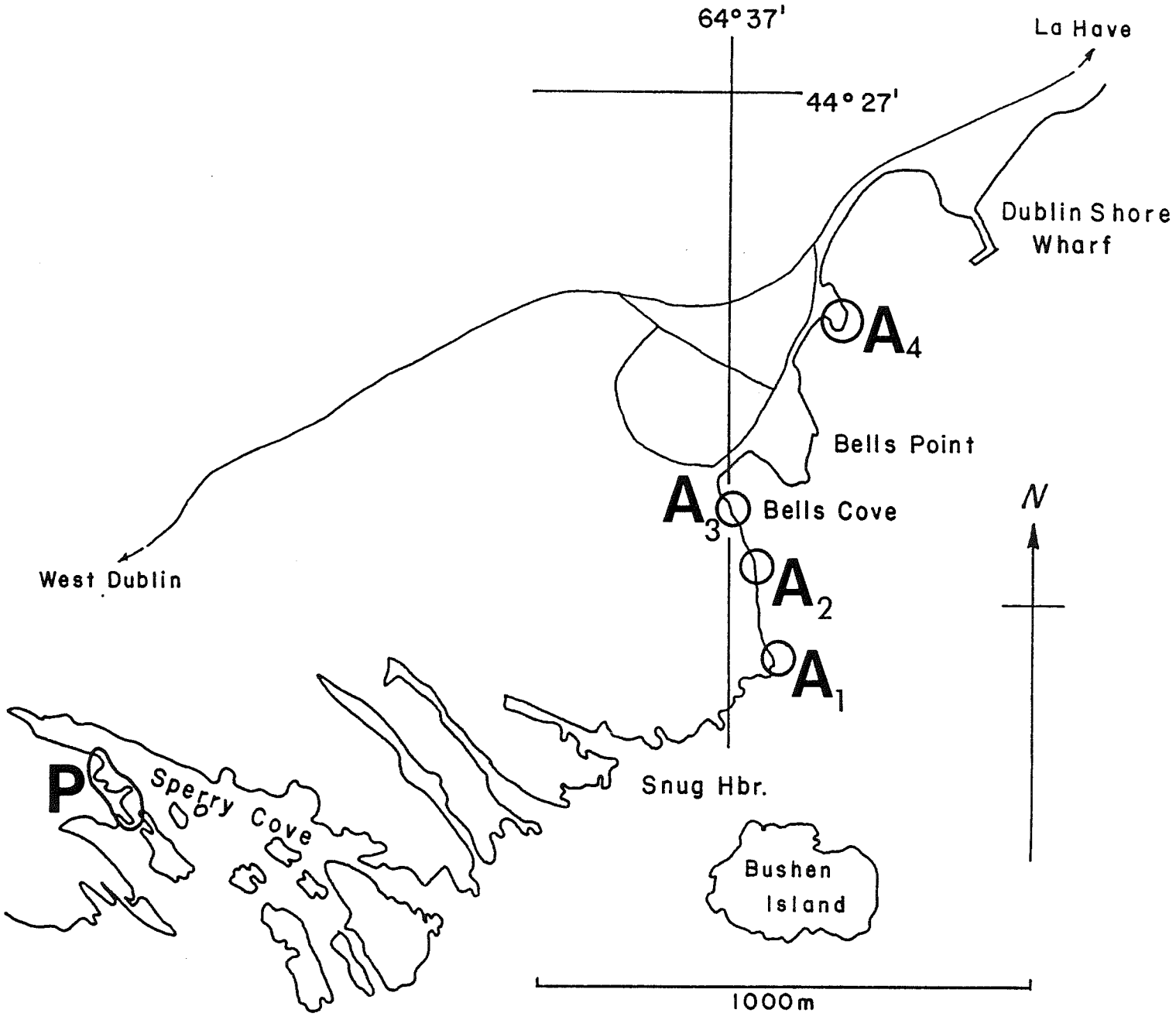


Figure 4: Location Map of Bells Cove shore sections, Dublin Shore, Lunenburg County. A_1, A_2, and A_3 in Moshers Island Member, Halifax Formation. The contact between the Moshers Island and Cunard Members of the Halifax Formation is at the north of A_3. A_4 is a section of Cunard Member, Halifax Formation.

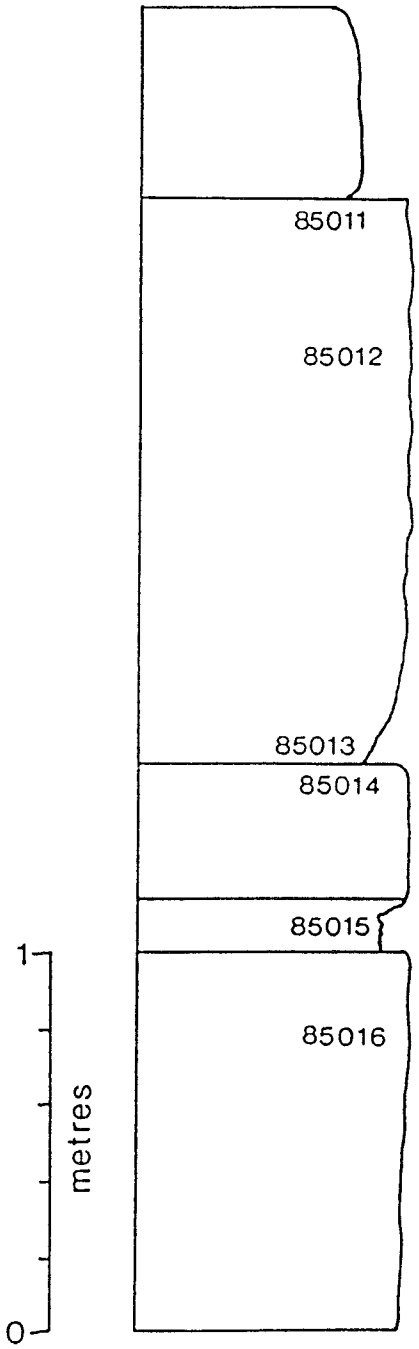


Figure 5: Bells Cove shore section A1, Dublin Shore, Lunenburg County, Moshers Island Member argillites, Halifax Formation

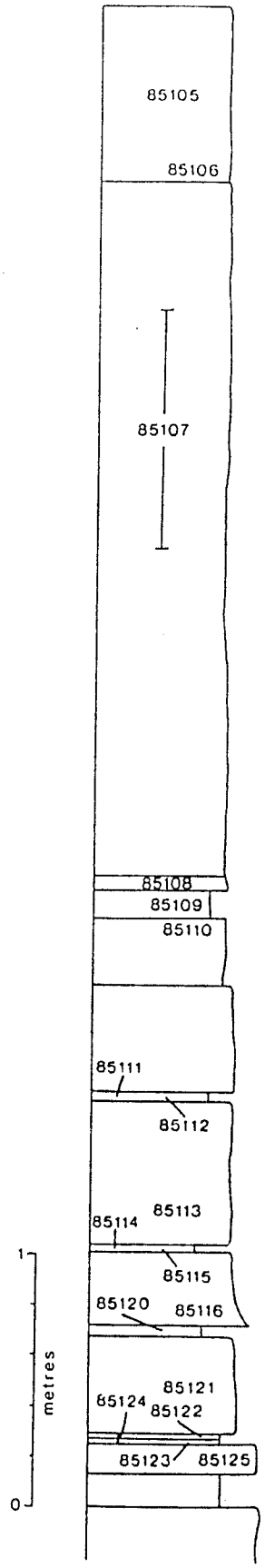


Figure 6: Bells Cove shore section A2 lower half (continuous with Figure 7), Dublin Shore, Lunenburg County, Moshers Island Member argillites, Halifax Formation.

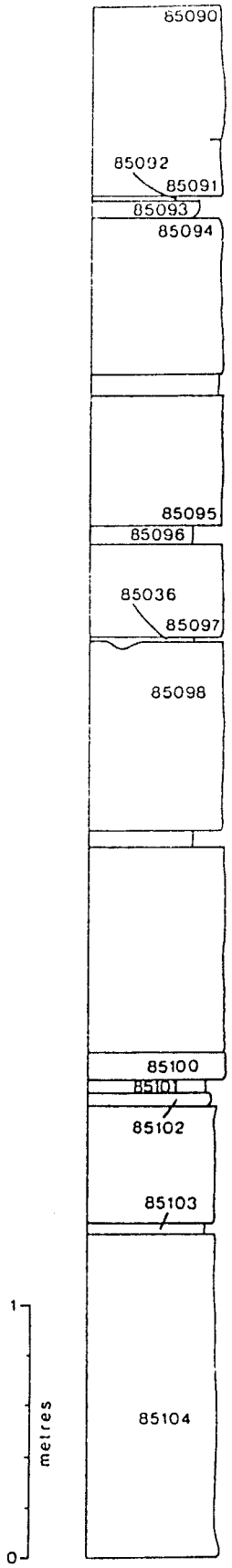


Figure 7: Bells Cove shore section A2 upper half (continuous with Figure 6), Dublin Shore, Lunenburg County, Moshers Island Member argillites, Halifax Formation.

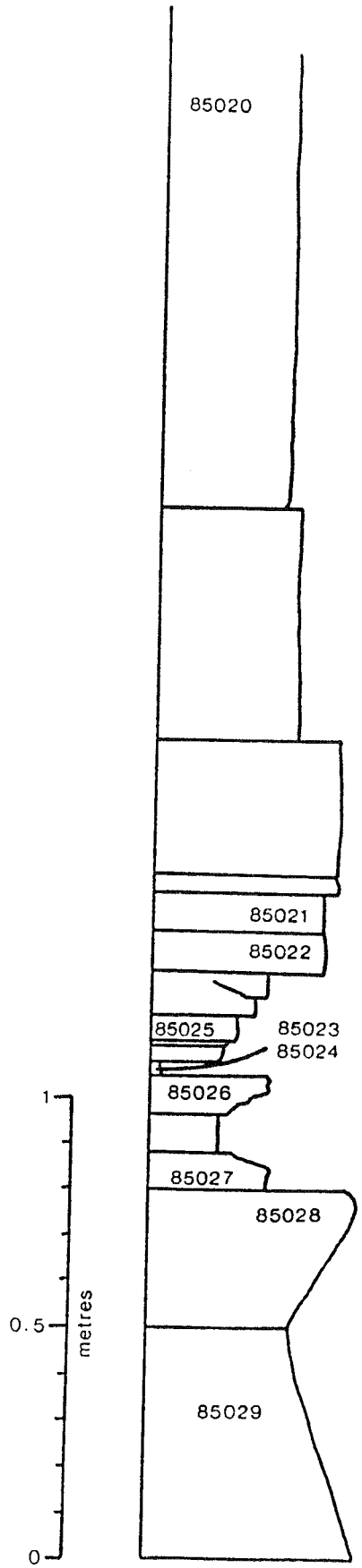


Figure 8: Bells Cove shore section A3, Dublin Shore, Lunenburg County, Moshers Island Member argillites, Halifax Formation.

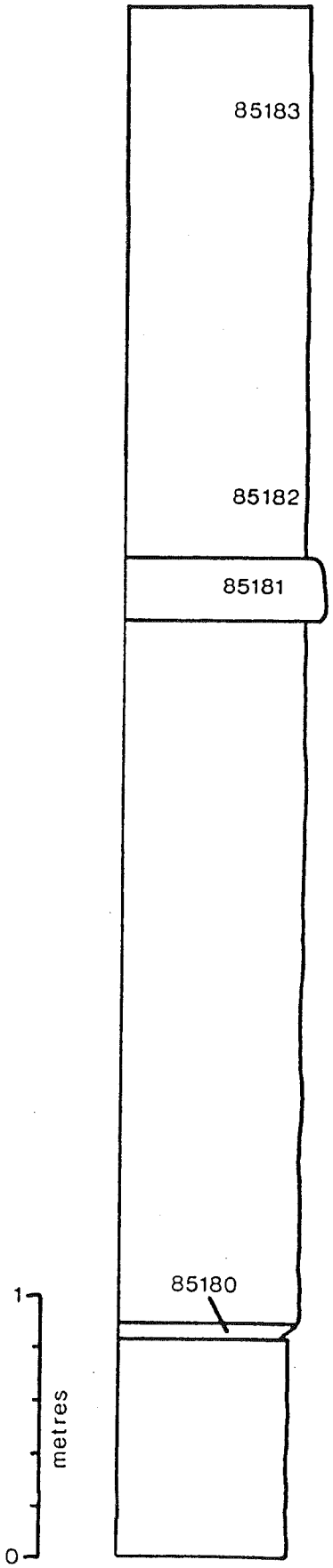


Figure 9: Bells Cove shore section A4, Dublin Shore, Lunenburg County, Cunard Member metasiltstones and black slates, Halifax Formation.

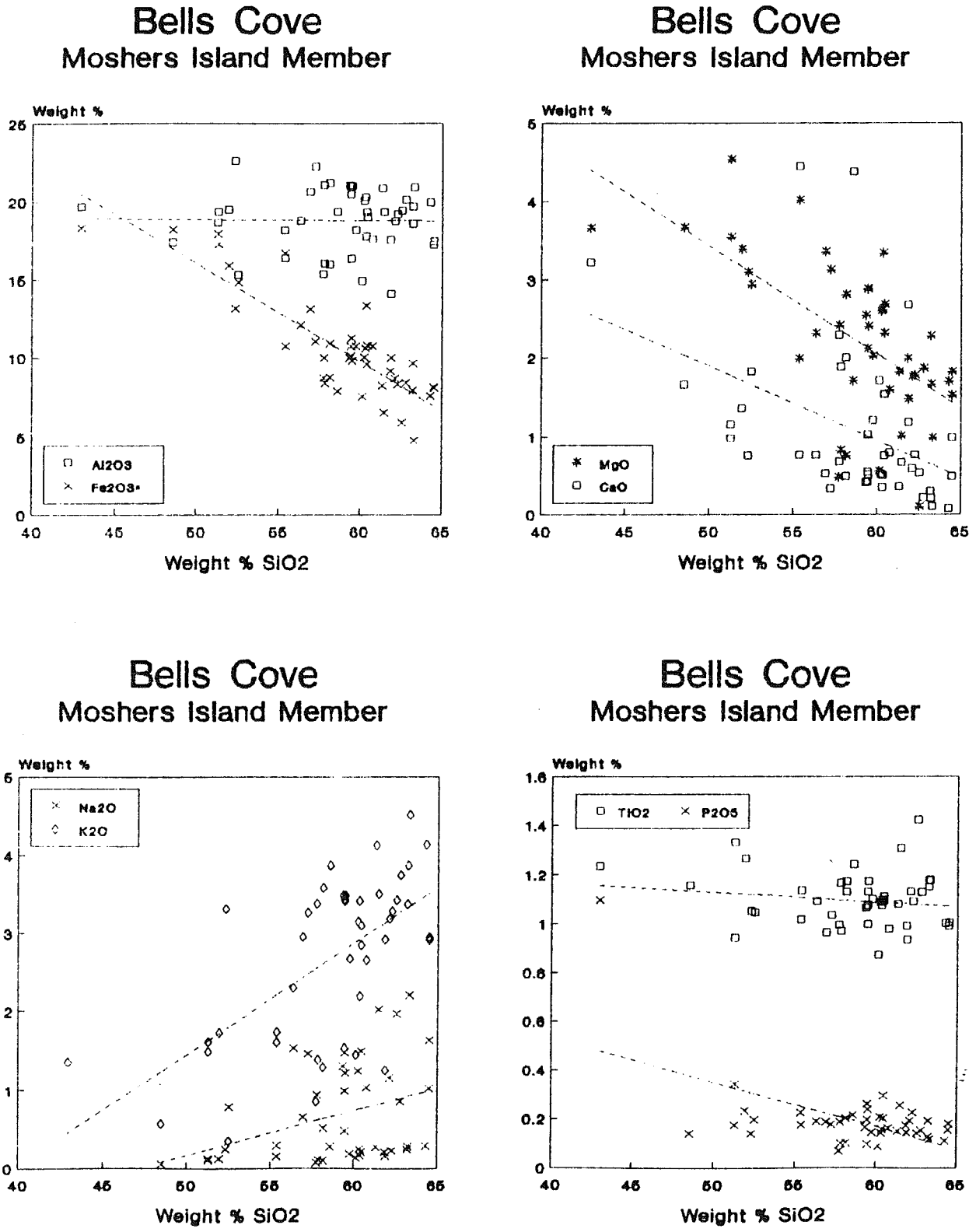


Figure 10: Bells Cove shore sections, Dublin Shore, Lunenburg County, Moshers Island Member argillites, Halifax Formation - major element Harker variation diagrams.

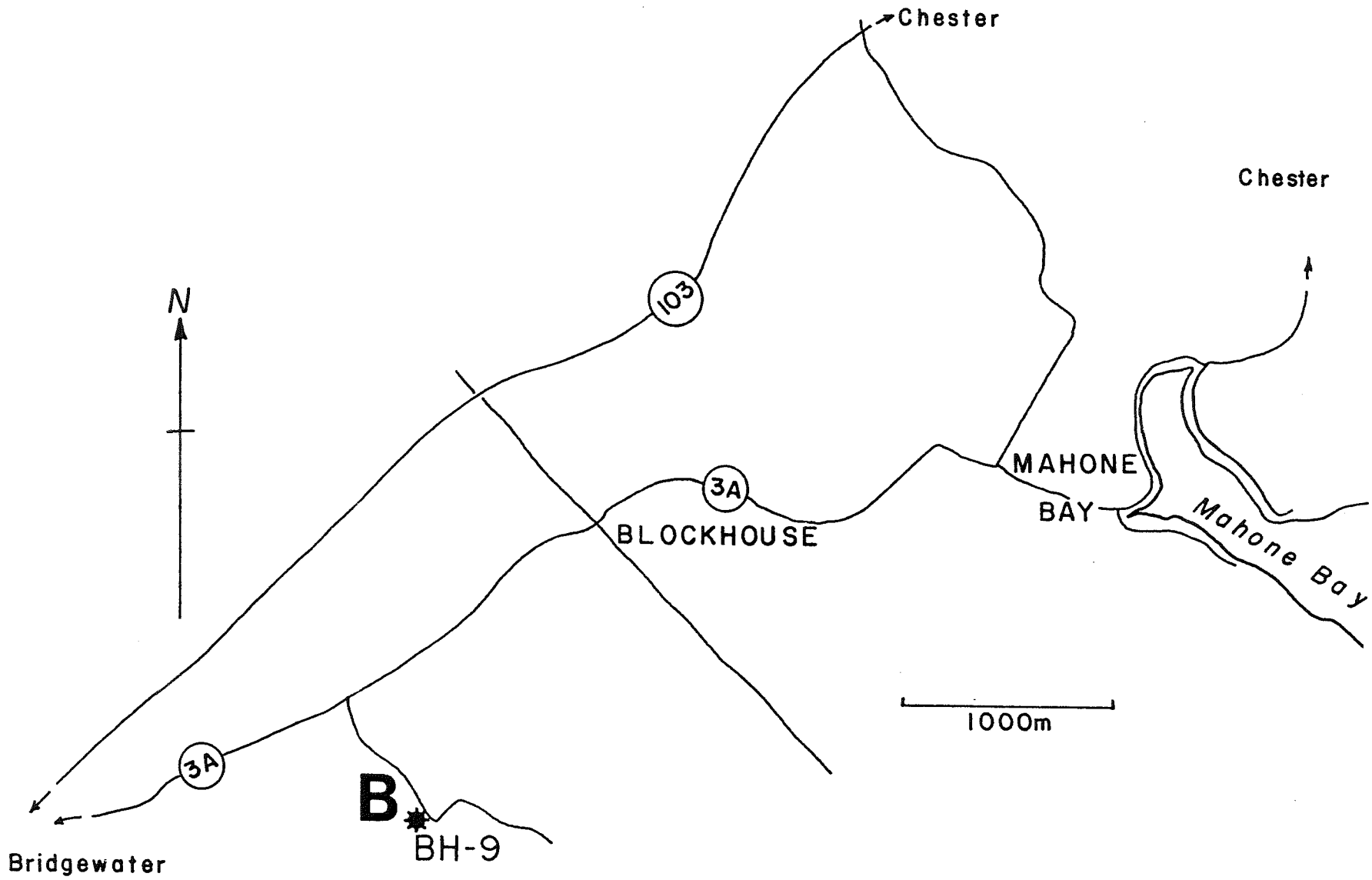


Figure 11: Location map of drillsite of Blockhouse drillcore (BH-9 drilled by Golden Shadow Resources - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Lunenburg County.

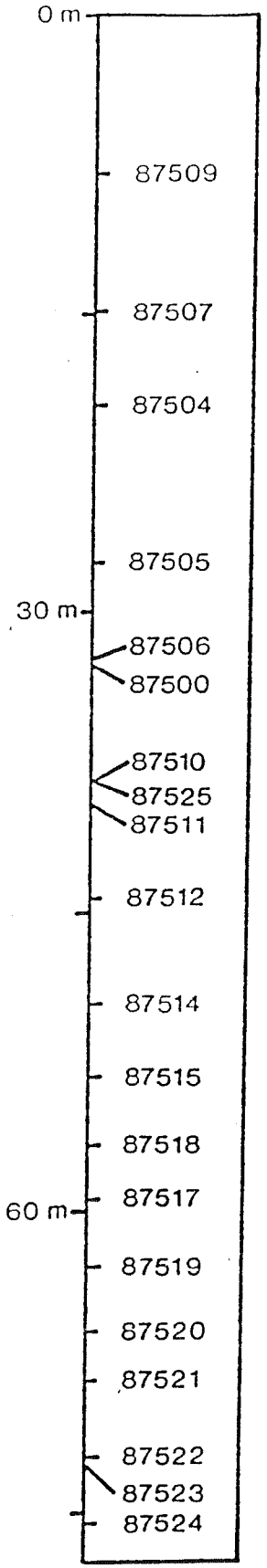


Figure 12: Drill section of Blockhouse drillcore (BH-9 drilled by Golden Shadow Resources - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Lunenburg County, Moshers Island Member calcareous argillites, Halifax Formation. Depth below surface in meters - not stratigraphic thickness (bedding/core axes about 60°).

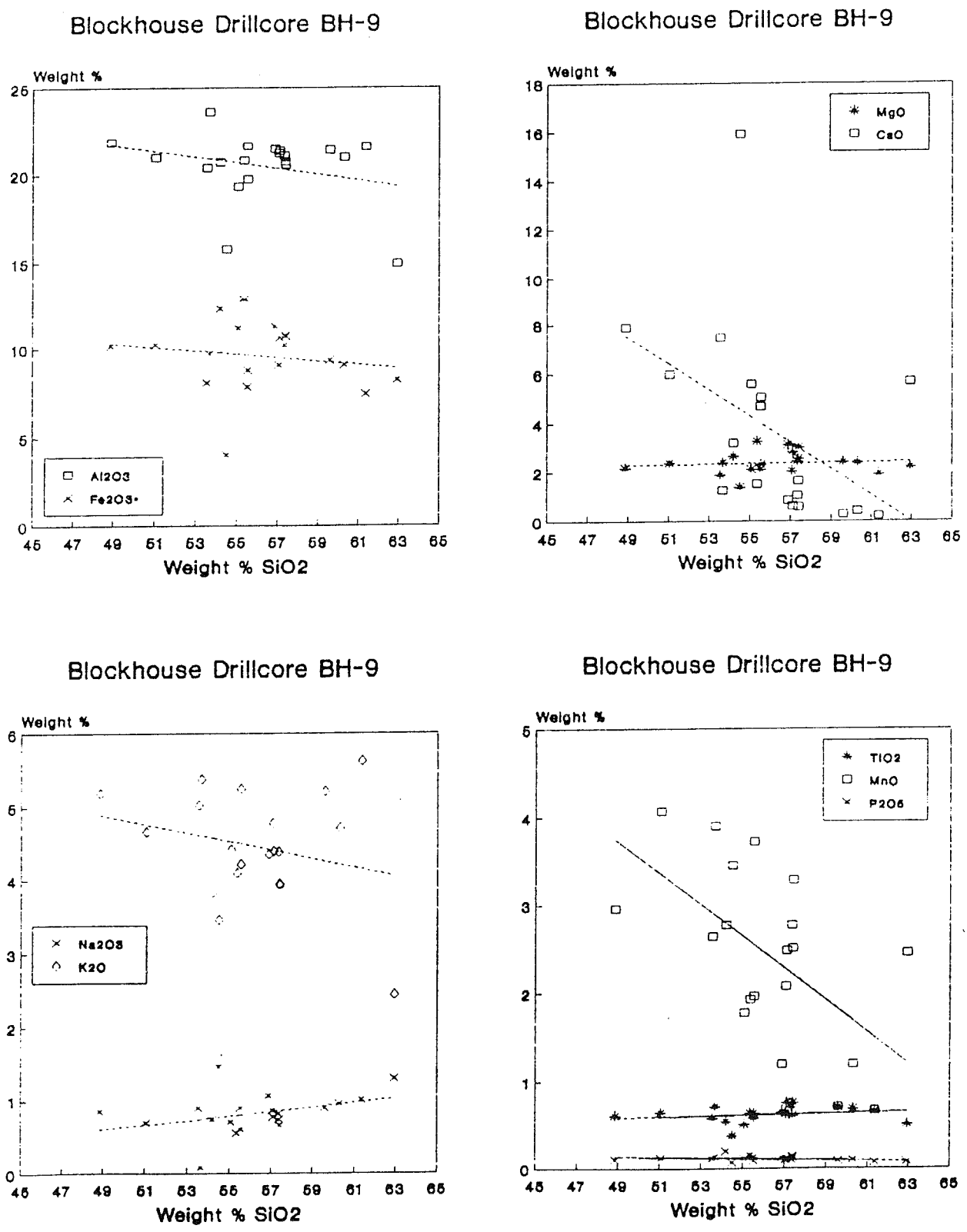


Figure 13: Blockhouse drillcore (BH-9 drilled by Golden Shadow Resources - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Lunenburg County, Moshers Island Member calcareous argillites, Halifax Formation - major element Harker variation diagrams.

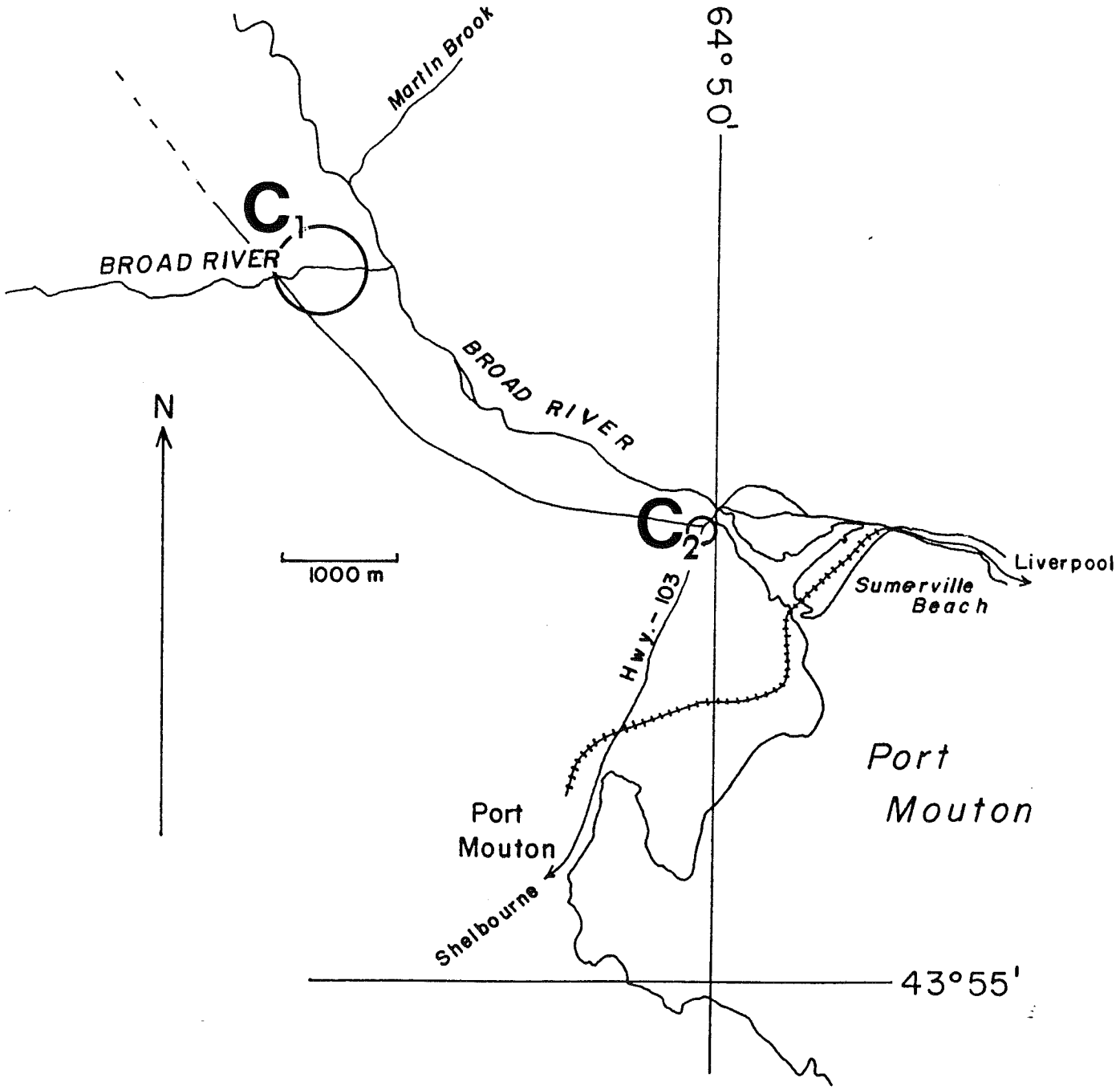


Figure 14: Location map of Broad River stream section, Queens County - C_1. A few greywacke samples are reported from roadcut described by Taylor (1967) - C_2.

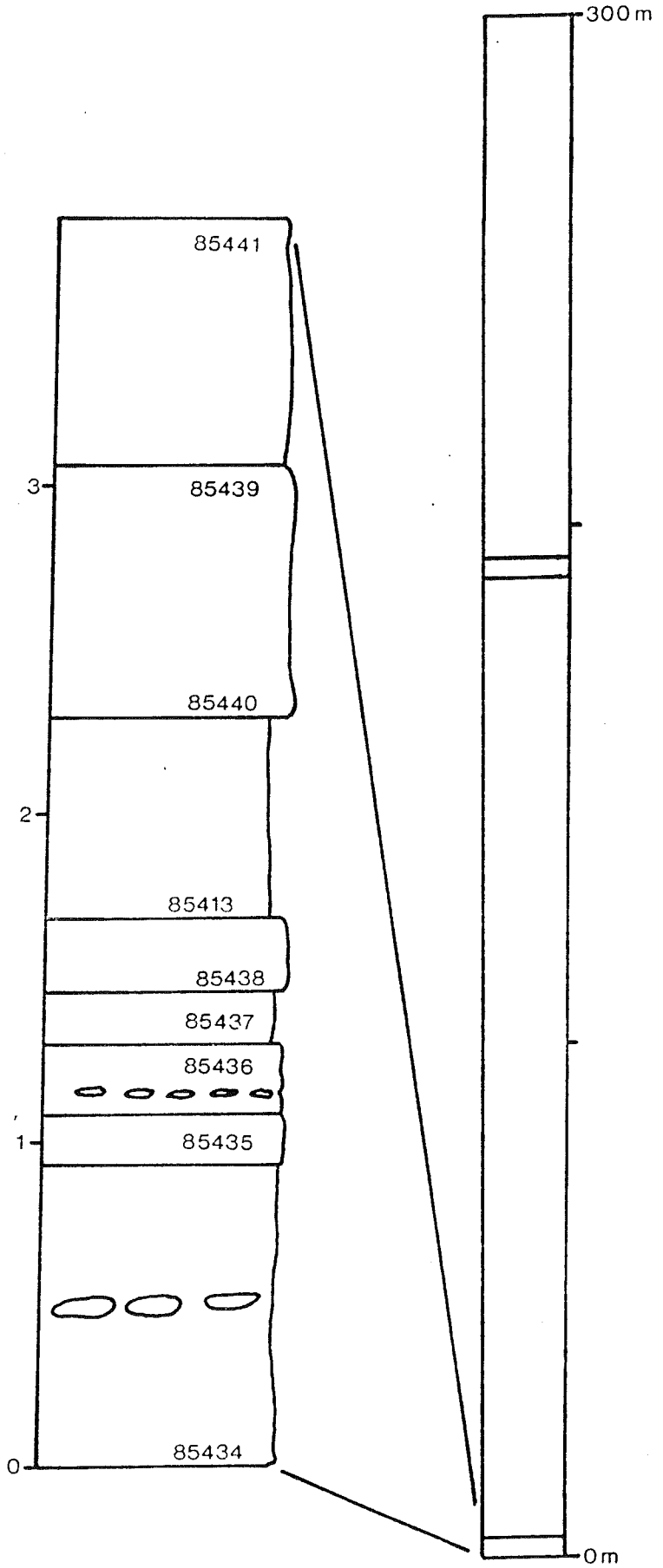


Figure 15: Sample section, lower portion (continuous with sample section of Figure 16), Broad River stream section, Queens County.

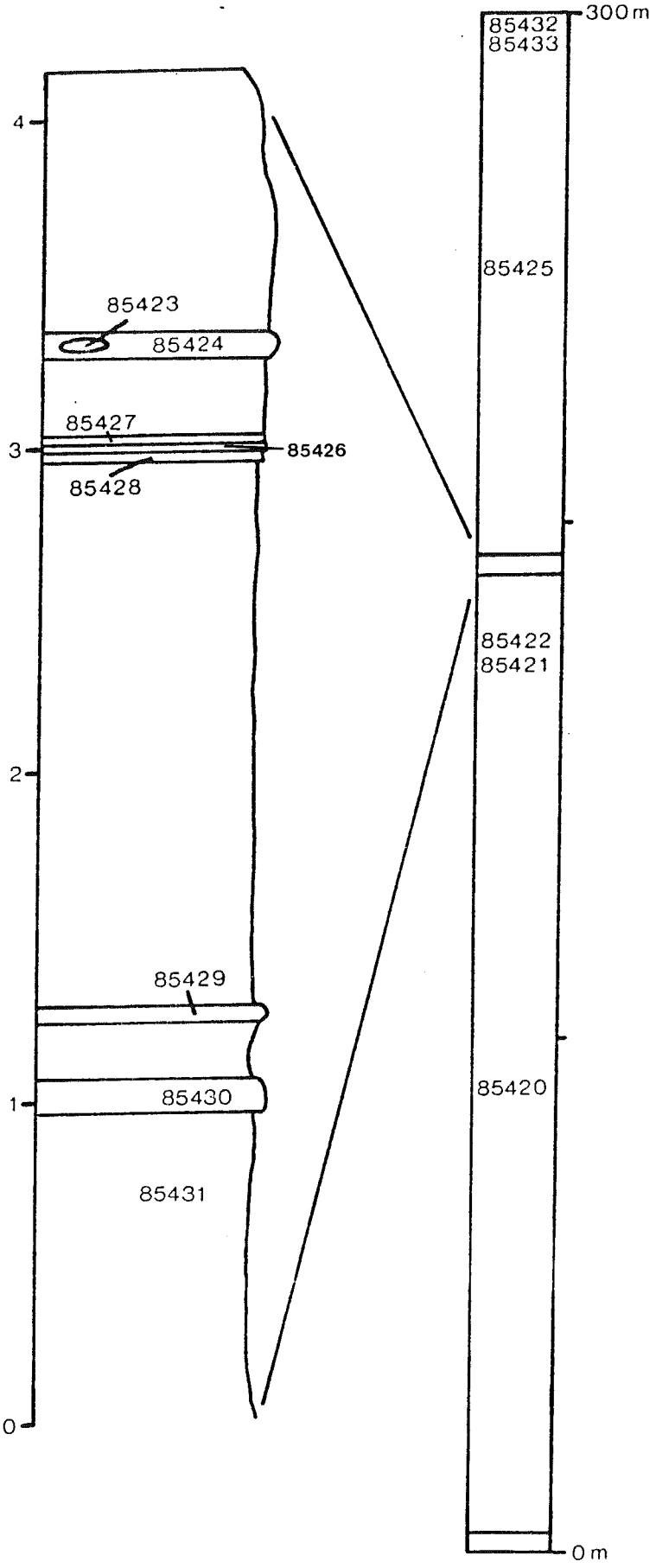


Figure 16: Sample section, upper portion (continuous with sample section of Figure 15), Broad River stream section, Queens County.

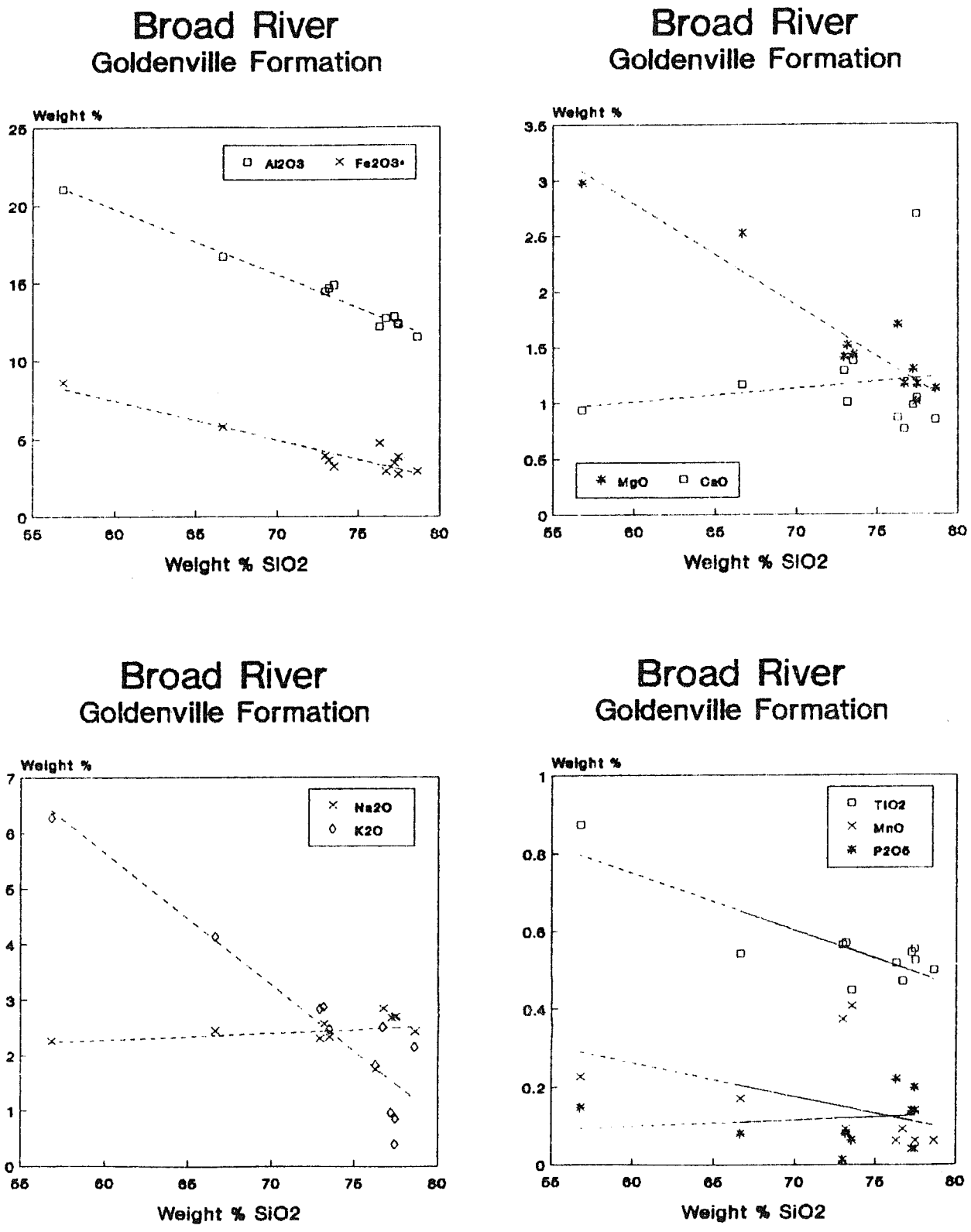


Figure 17: Broad River stream section, Queens County, upper Goldenville Formation greywackes - major element Harker variation diagrams.

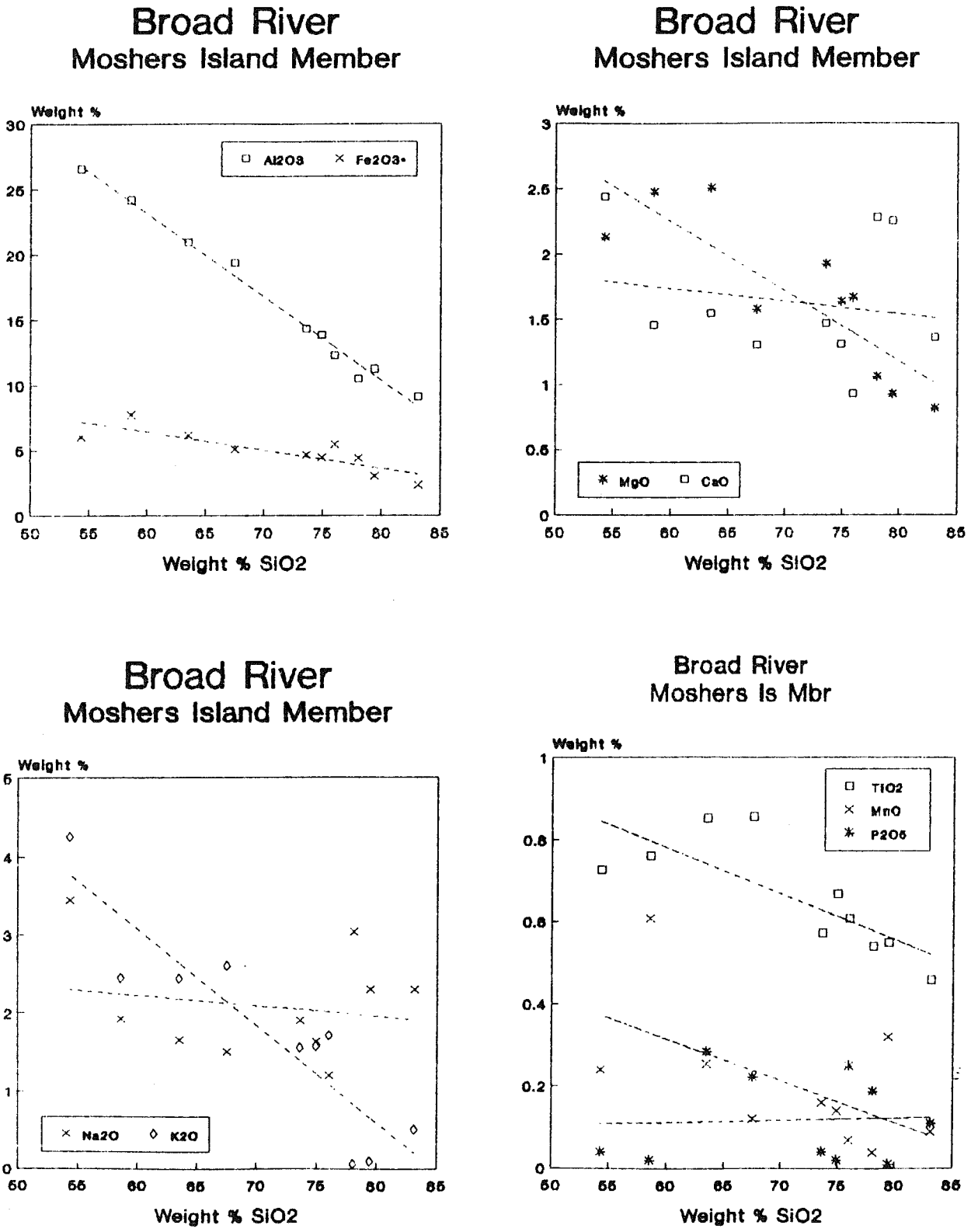


Figure 18: Broad River stream section, Queens County, lower Moshers Island Member, Halifax Formation argillites and slates - major element Harker variation diagrams.

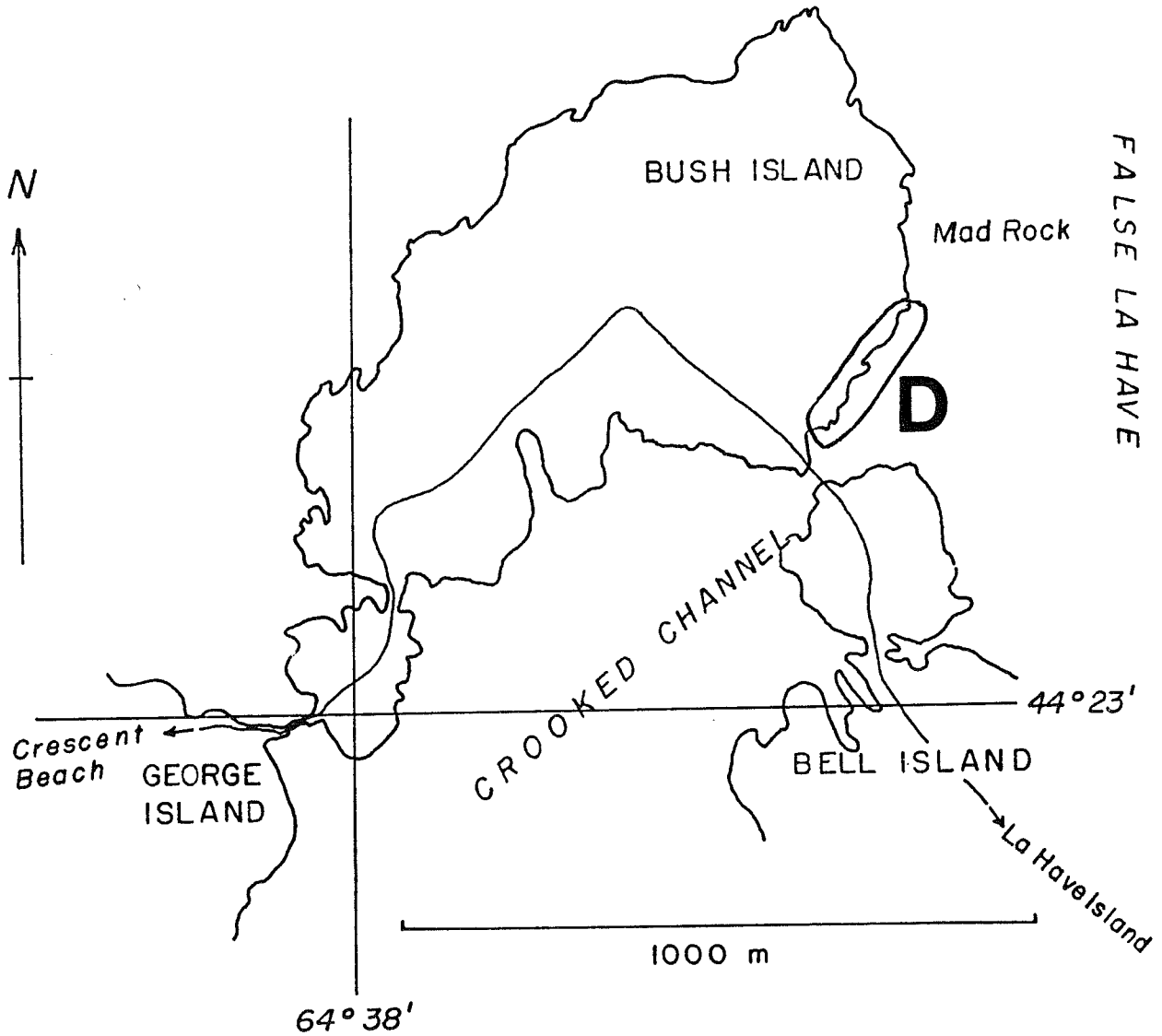


Figure 19: Location Map of the Bush Island shore section, LaHave Islands, Dublin Shore, Lunenburg County.

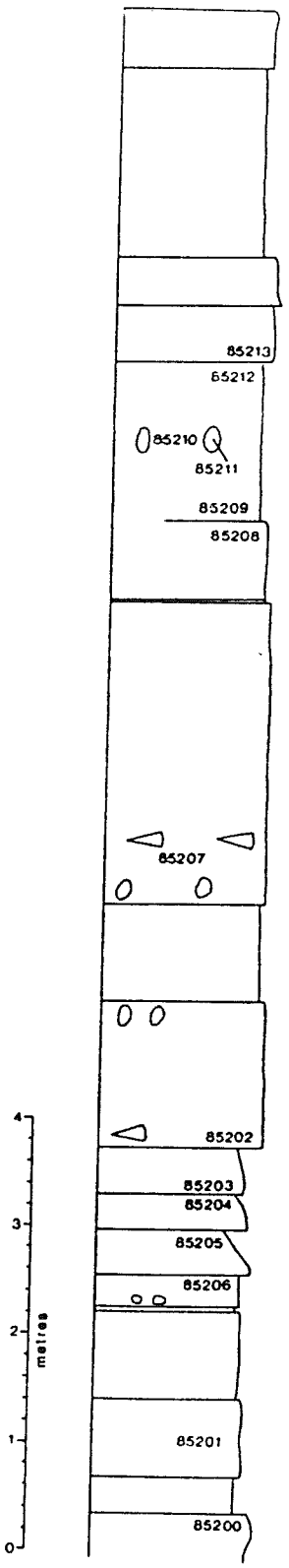


Figure 20: Sample section, lower portion (continuous with sample section of Figure 21), Bush Island shore section, LaHave Islands, Dublin Shore, Lunenburg County.

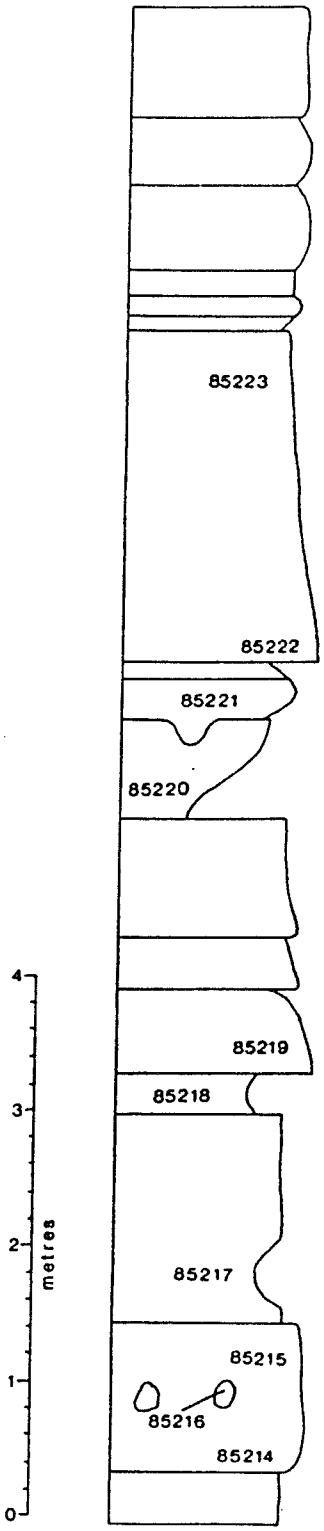


Figure 21: Sample section, upper portion (continuous with sample section of Figure 20), Bush Island shore section, LaHave Islands, Dublin Shore, Lunenburg County.

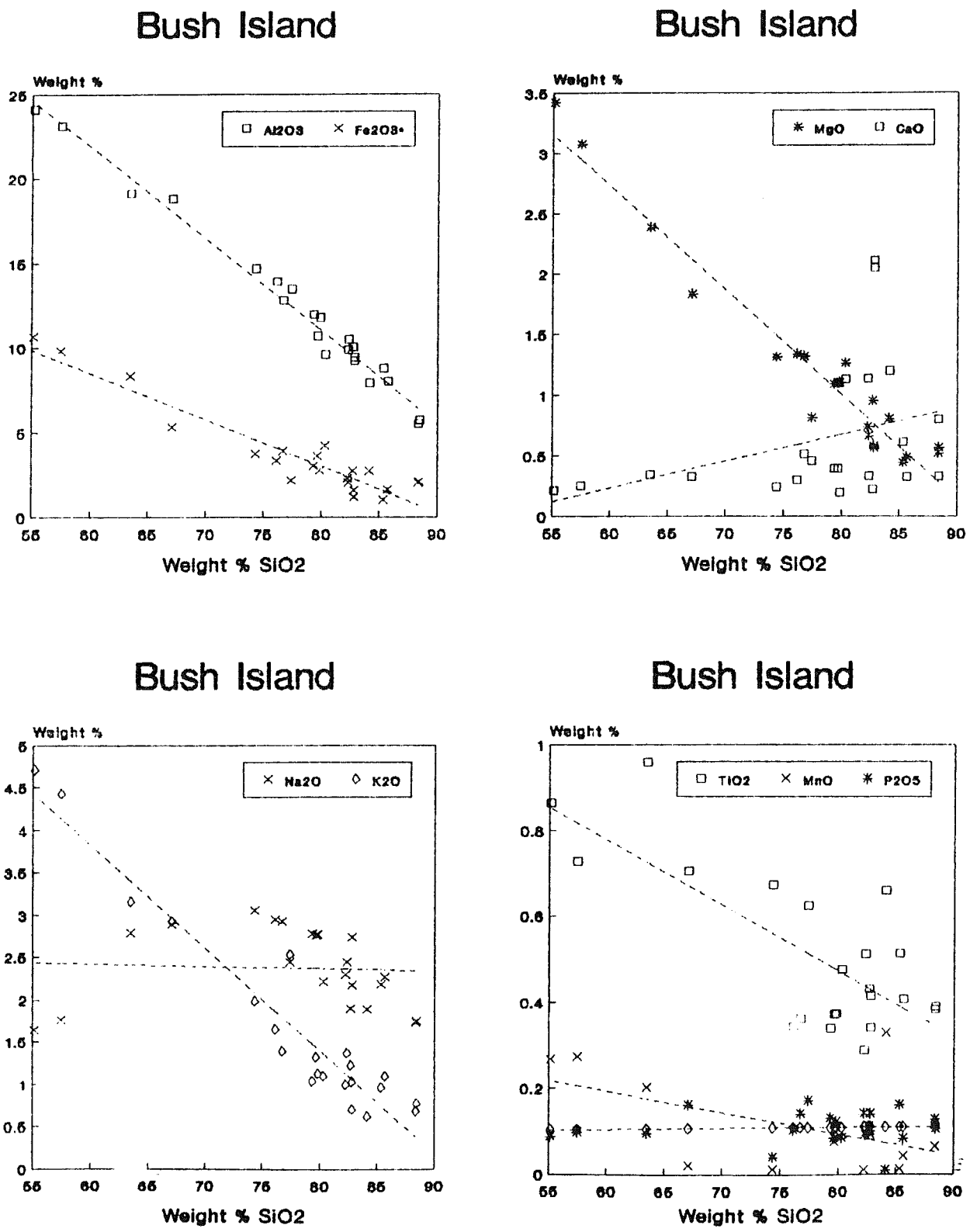


Figure 22: Bush Island shore section, LaHave Islands, Dublin Shore, Lunenburg County, West Dublin Member greywackes, upper Goldenville Formation - major element Harker variation diagrams.

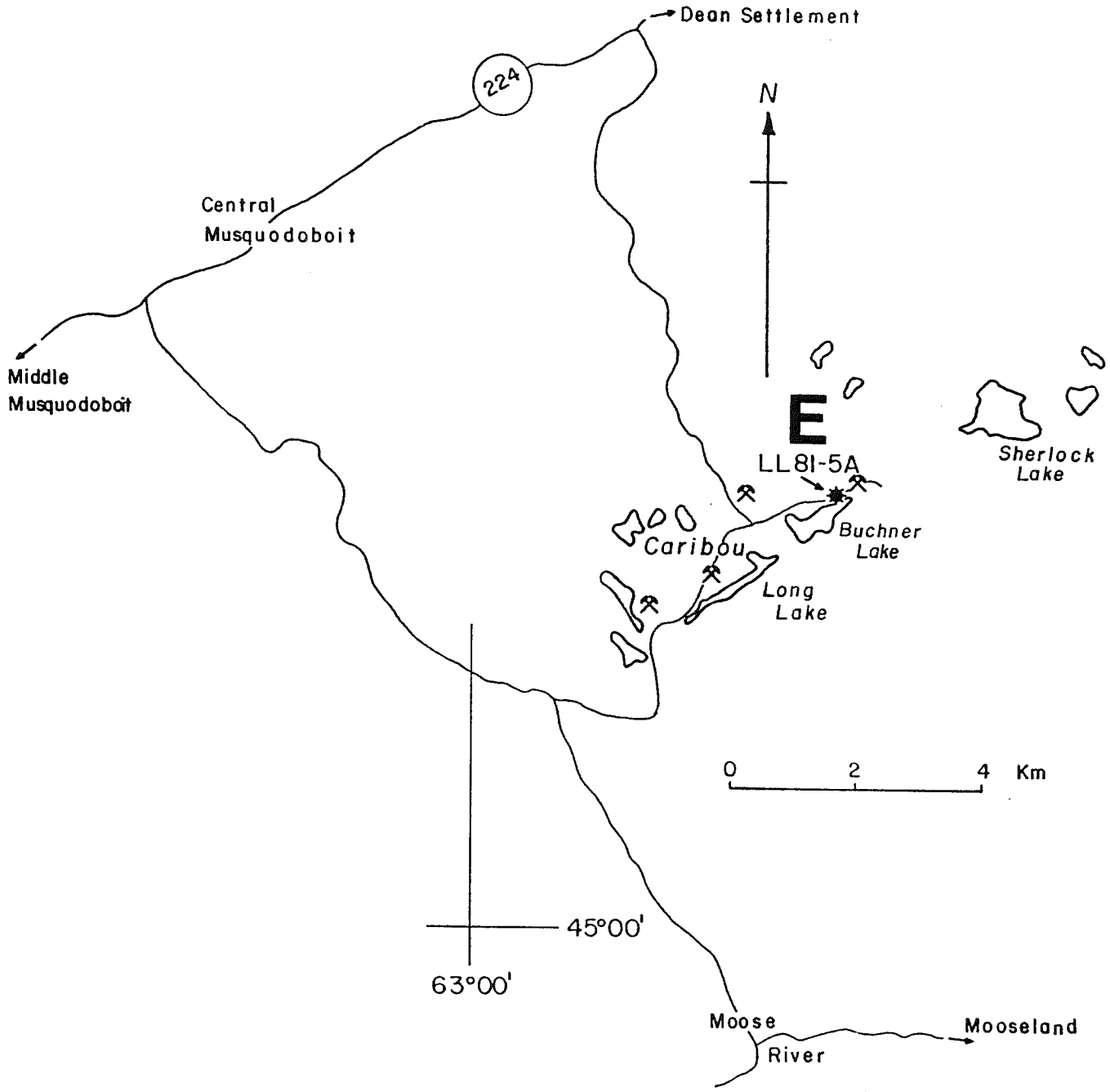


Figure 23: Location map of the drillsite of Caribou drillcore (LL81-5A drilled by Sherrit Gordon Mining Co - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County.

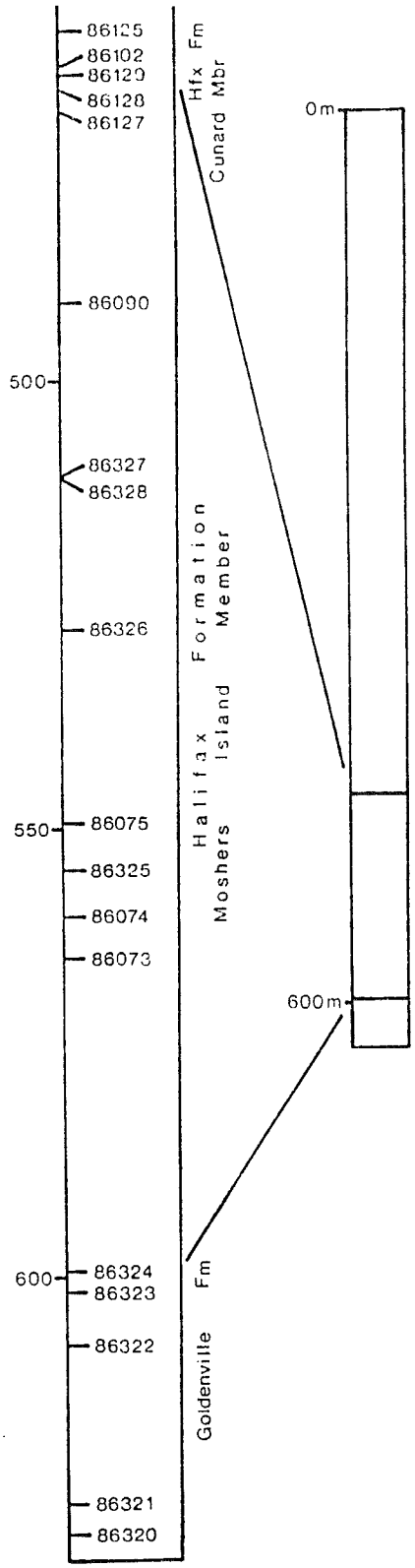


Figure 24: Sample section of the Caribou drillcore (LL81-5A drilled by Sherrit Gordon Mining Co - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County. Detailed section of sample sites from the lower units of the drillcore (continuous with sample section in Figure 25). Samples in this figure for Goldenville Formation and Moshers Island Member of the Halifax Formation. Depth below surface in meters not stratigraphic thickness (bedding/core axis about 70° in the lower portion of the drillcore.

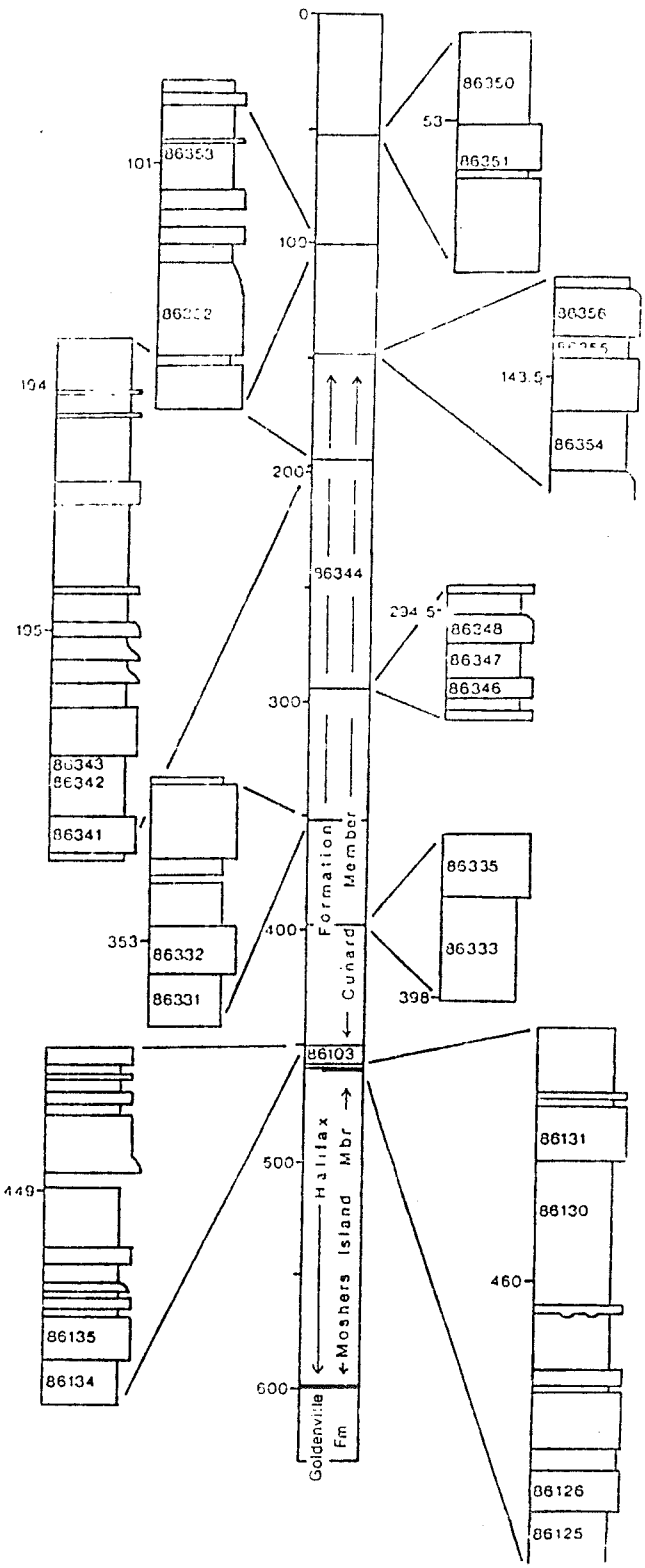


Figure 25: Sample section of the Caribou drillcore (LL81-5A drilled by Sherrit Gordon Mining Co - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County. Detailed section of sample sites from the upper units of the drillcore (continuous with sample section in Figure 24). Samples in this figure from the Cunard Member of the Halifax Formation. Depth below surface in meters not stratigraphic thickness (bedding/core axis about 60° in the upper portion of the drillcore.

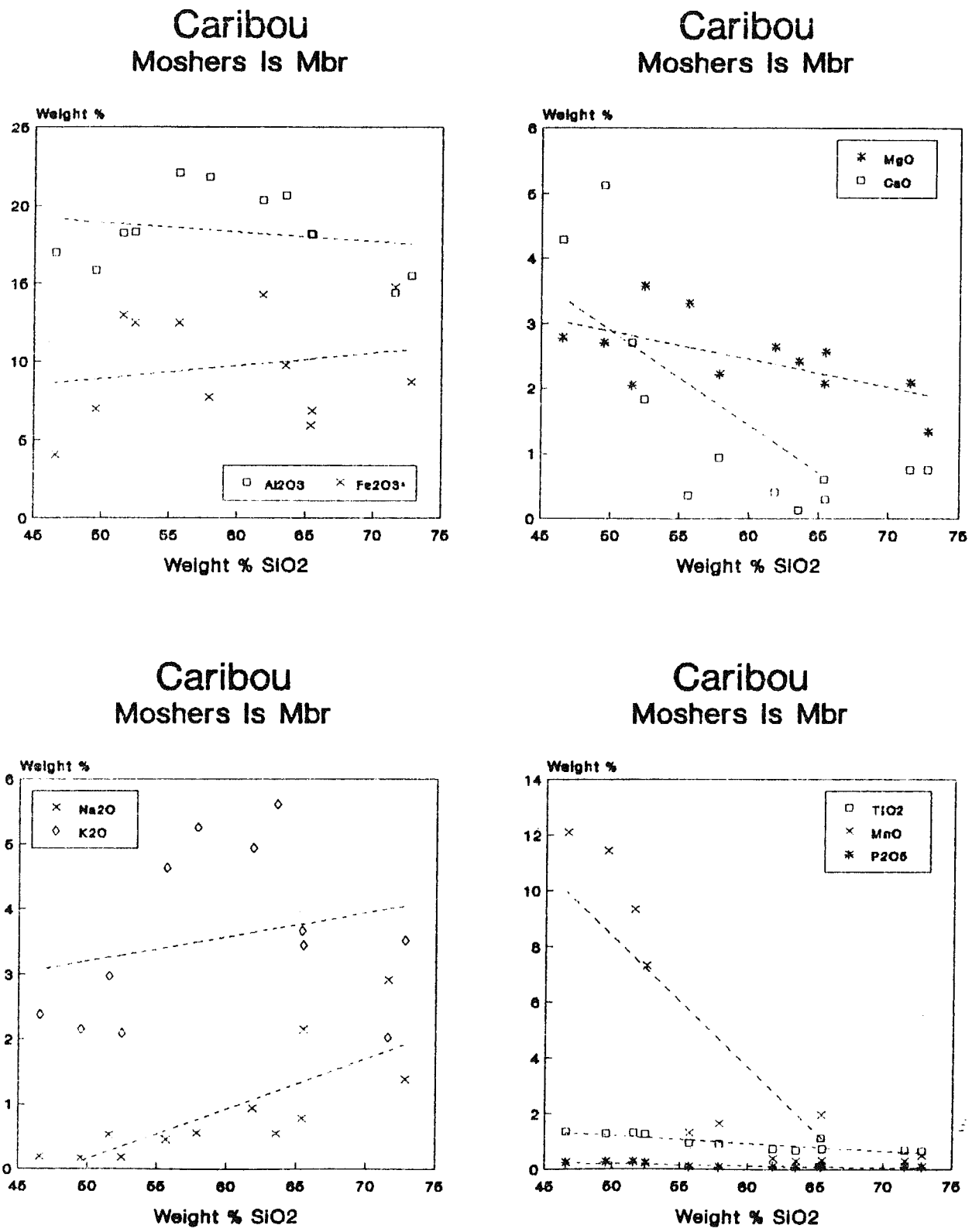


Figure 26: Caribou drillcore (LL81-5A drilled by Sherrit Gordon Mining Co - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County, Moshers Island Member argillites, Halifax Formation - major element Harker variation

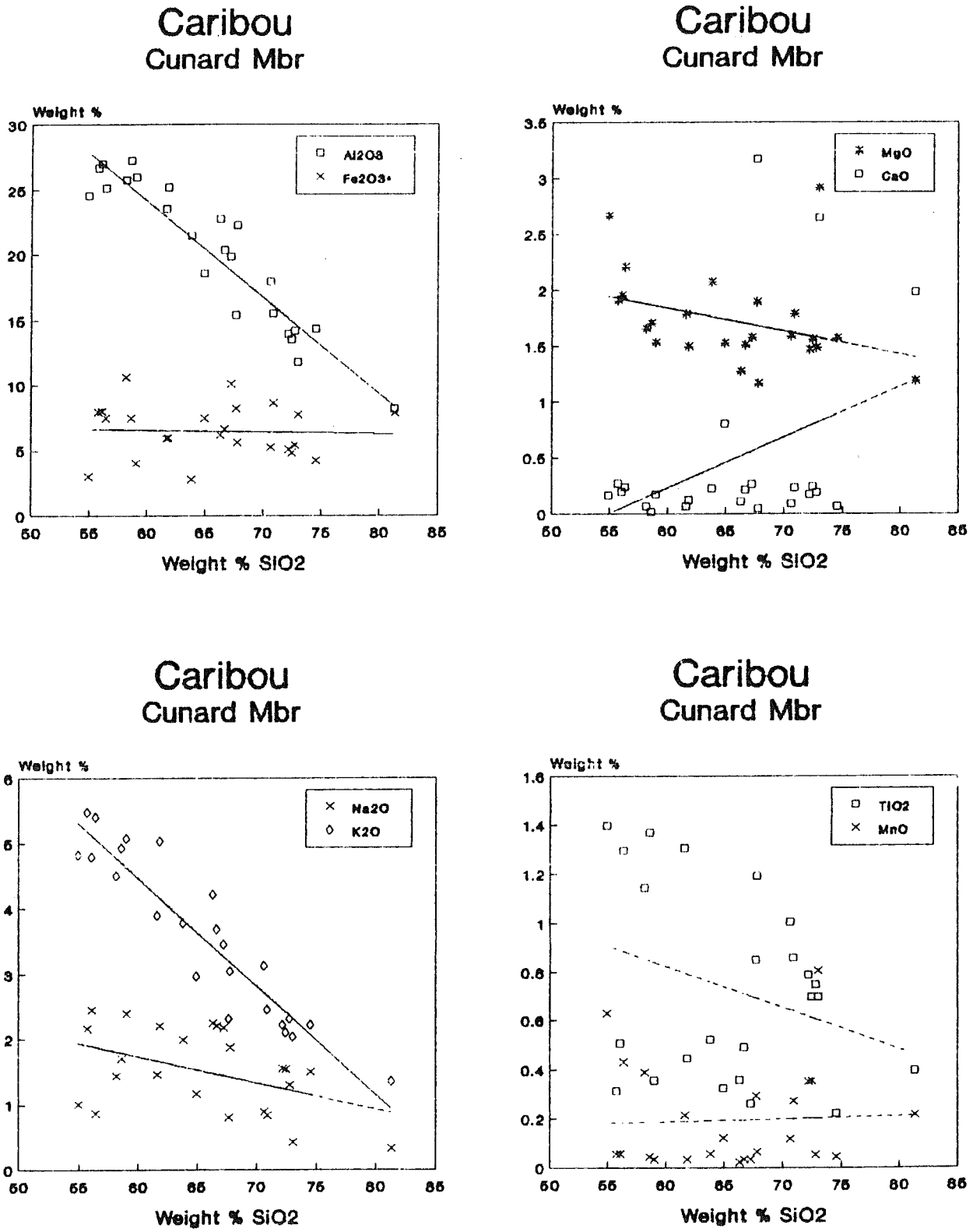


Figure 27: Caribou drillcore (LL81-5A drilled by Sherrit Gordon Mining Co - now held by Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County, Cunard Member metasiltstones and black slates, Halifax Formation - major element Harker variation diagrams.

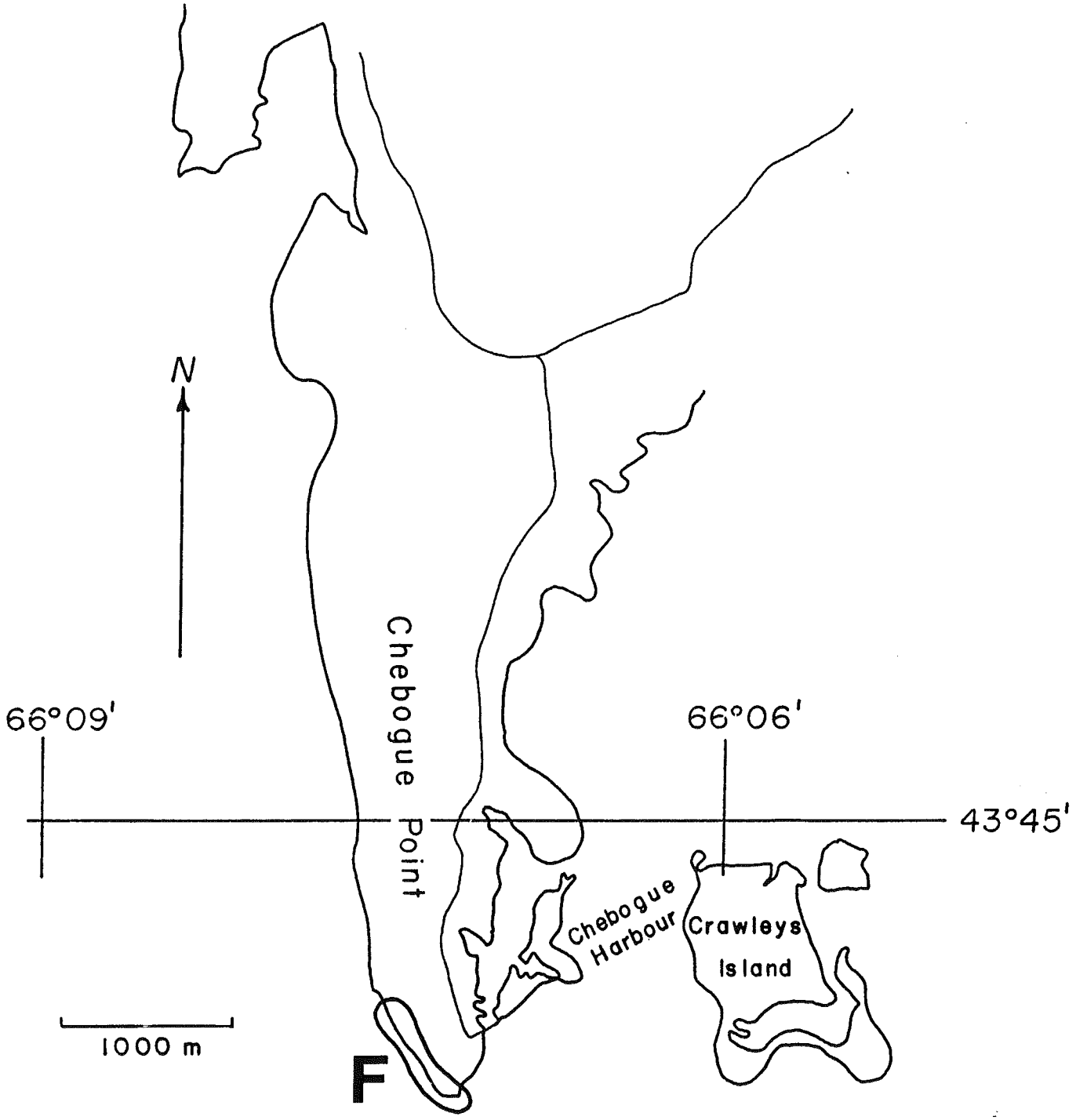


Figure 28: Location map of the Chebogue Point shore section, Yarmouth County. Up-section to the north.

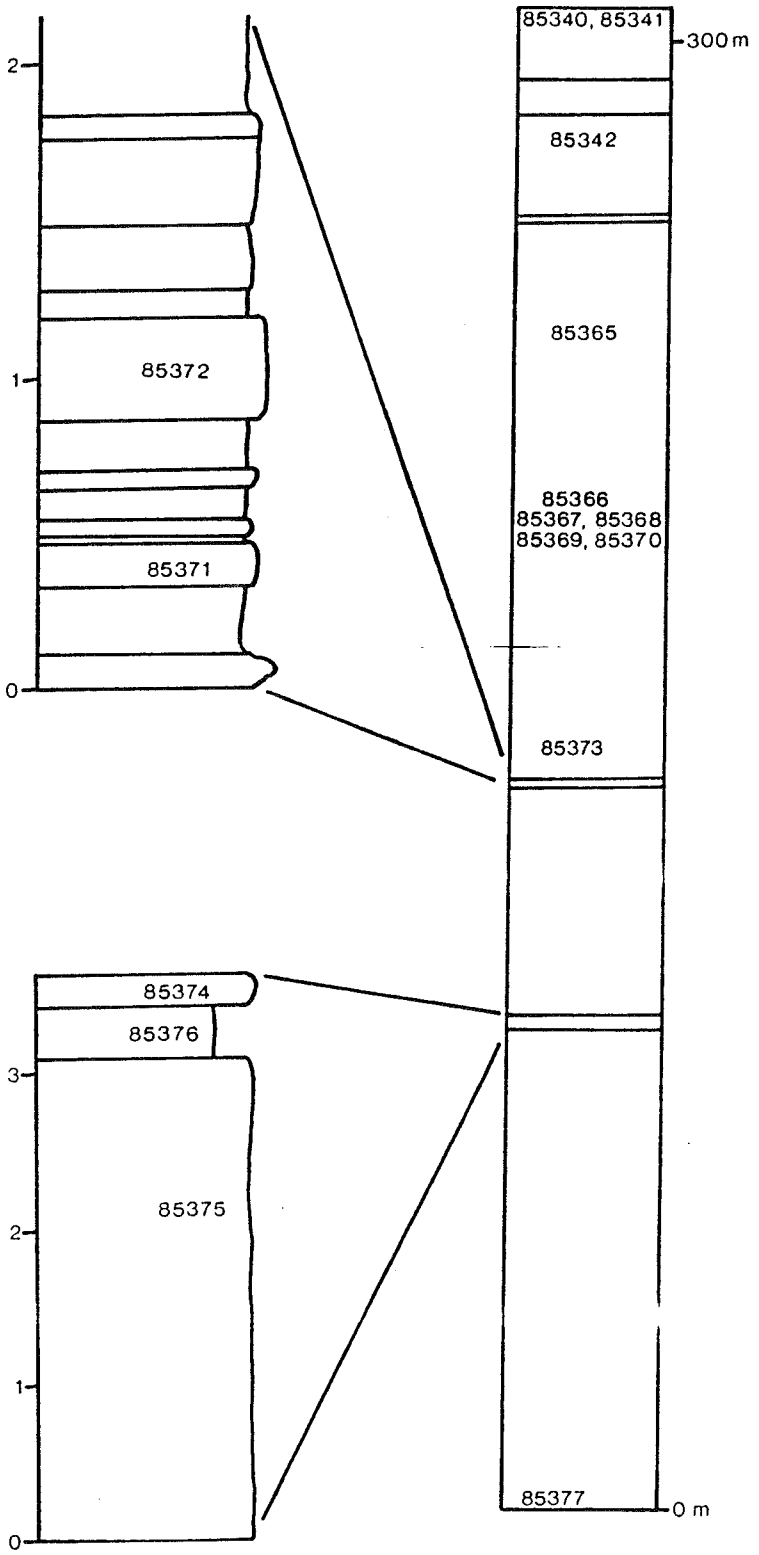


Figure 29: Sample section of Chebogue Point shore section, Yarmouth County, lower portion (continuous with sample section of Figure 30).

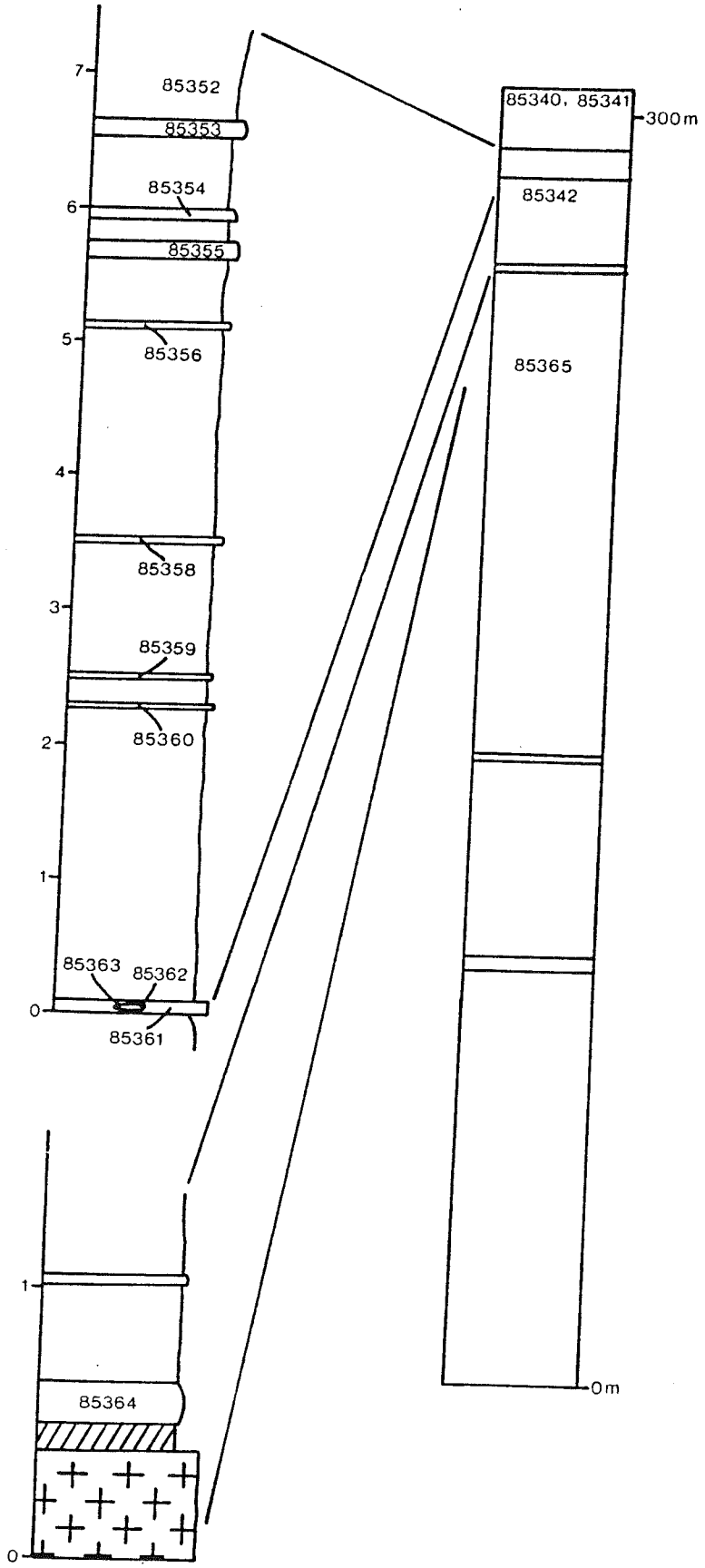


Figure 30: Sample section of Chebogue Point shore section, Yarmouth County, upper portion (continuous with sample section of Figure 29). Cross-hatched unit is a mafic sill.

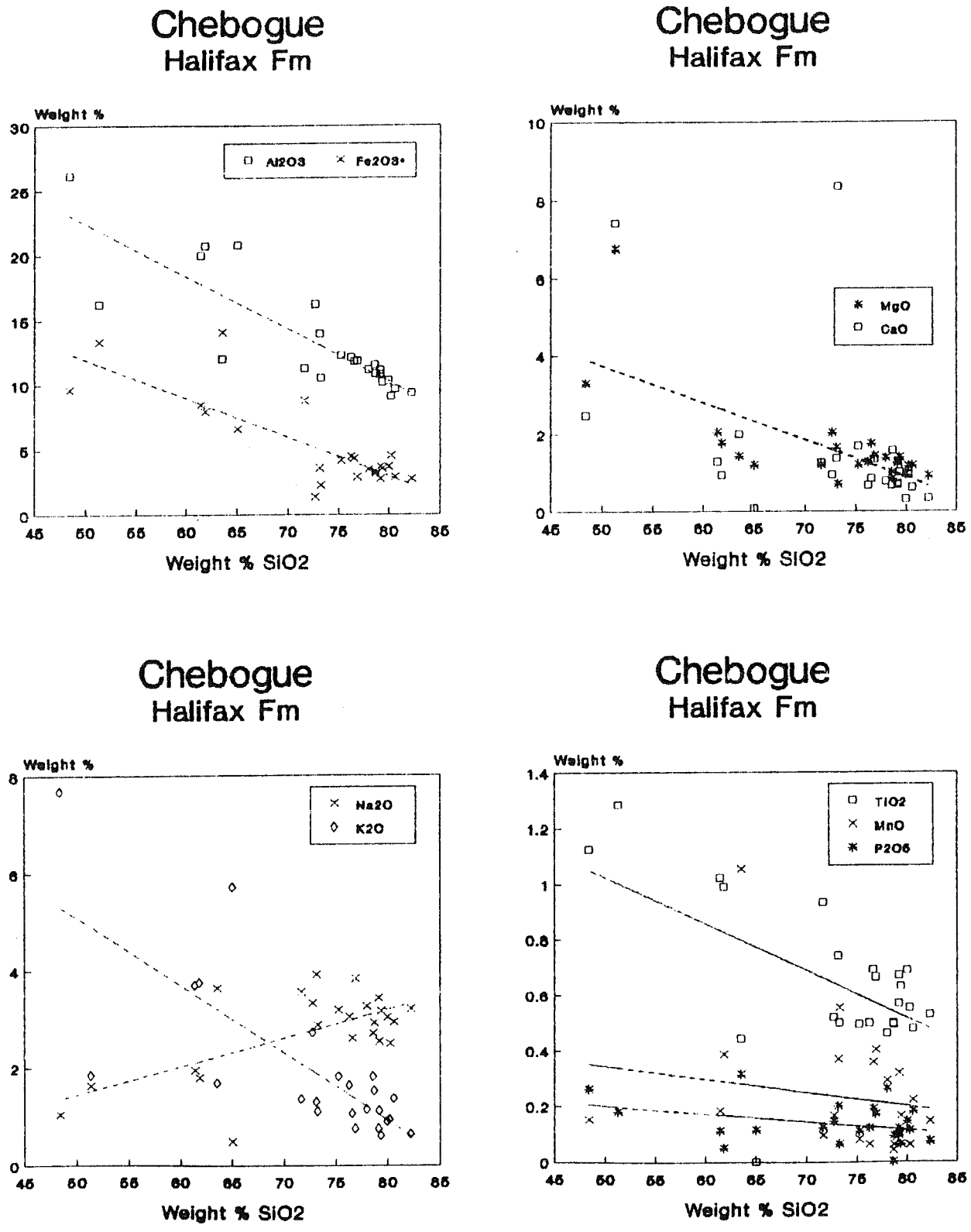


Figure 31: Chebogue Point shore section, Yarmouth County, Halifax Formation argillites and slates - major element Harker variation diagrams.

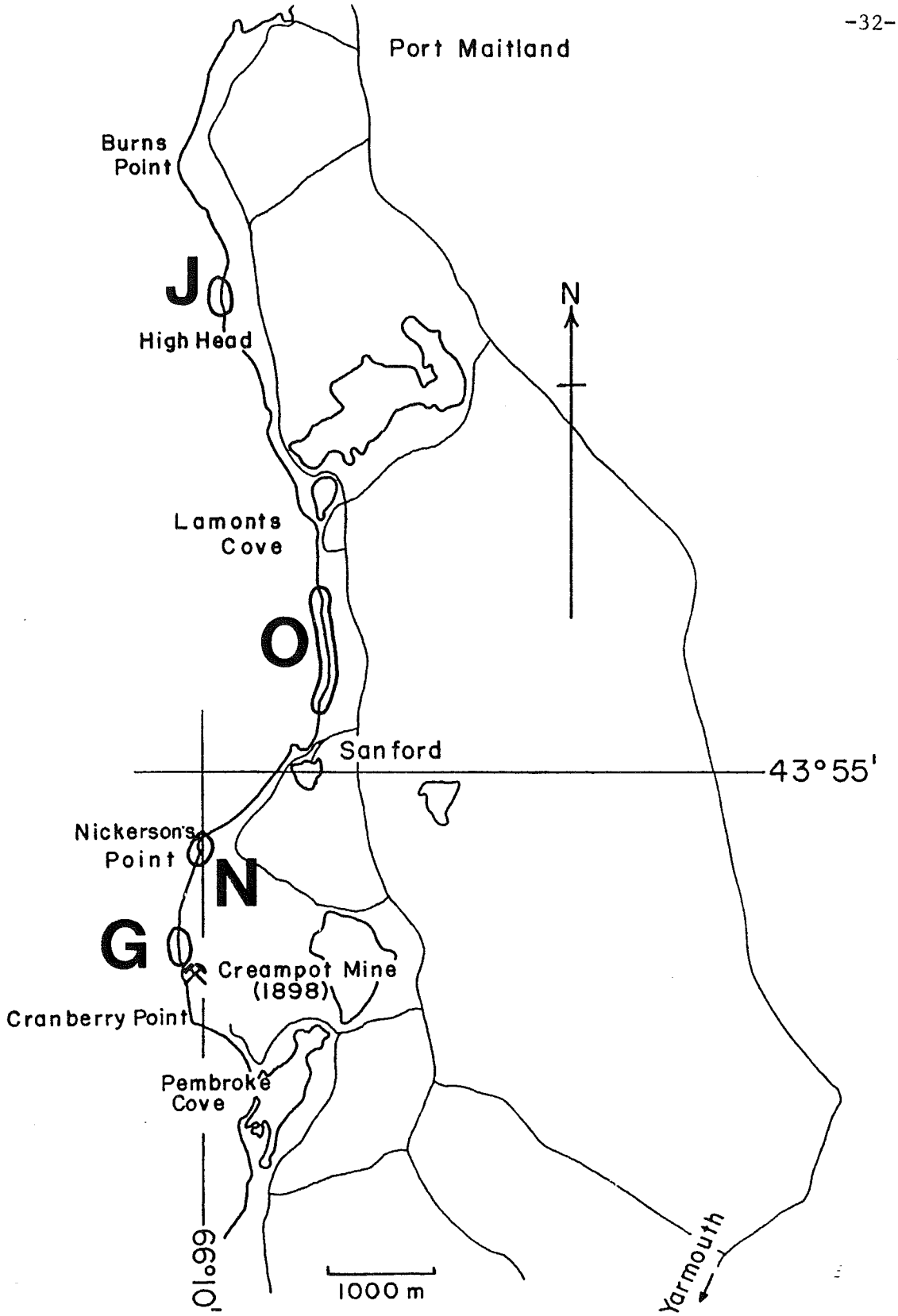


Figure 32: Location map for the Cranberry Head shore section, Yarmouth County. Cream Pot gold mine worked in the last century indicated at the southern, up-dip end of the section.

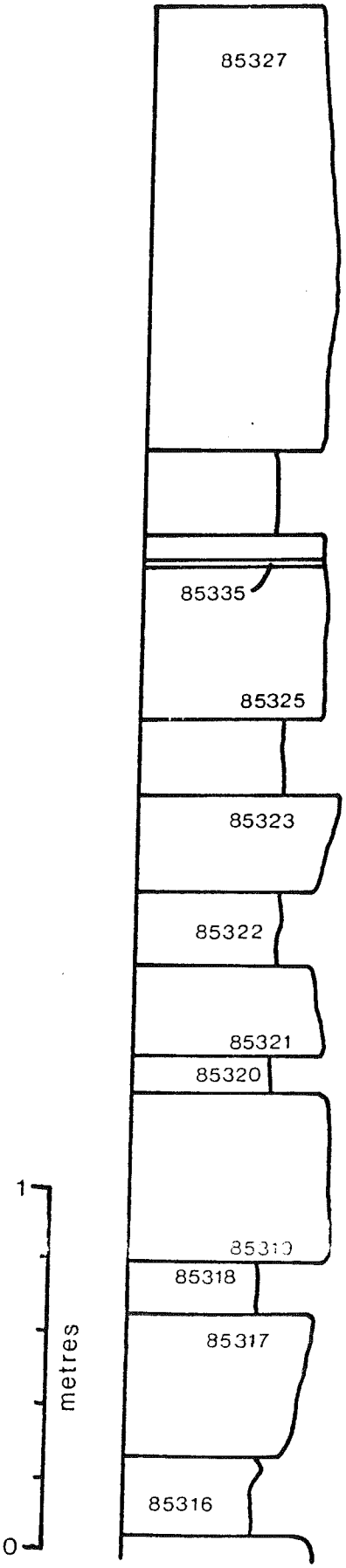


Figure 33: Sample section of the Cranberry Head shore section, Yarmouth County, lower portion (continuous with sample section of figure 34).

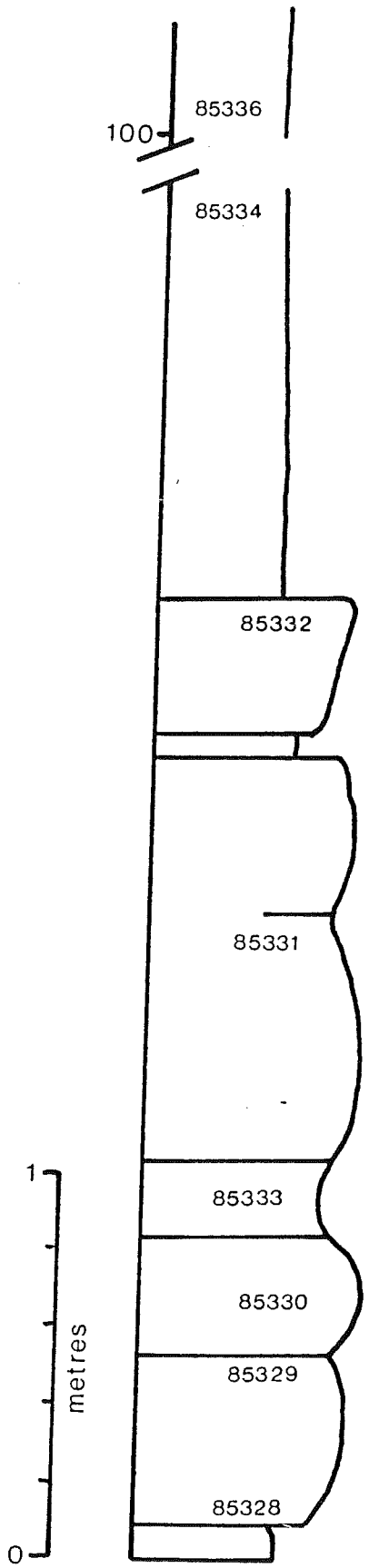


Figure 34: Sample section of the Cranberry Head shore section, Yarmouth County, upper portion (continuous with sample section of figure 33).

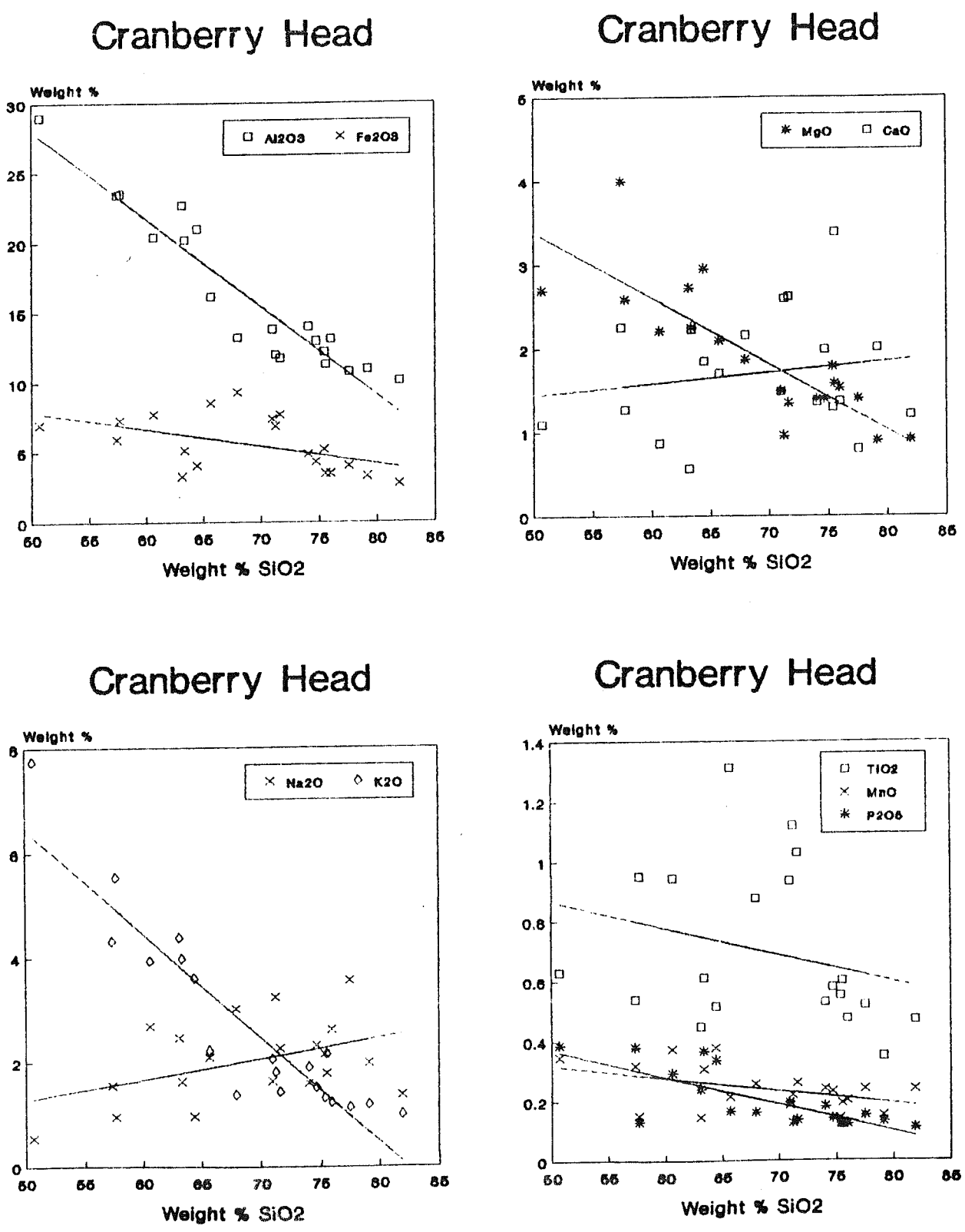


Figure 35: Cranberry Head shore section, Yarmouth County, upper Goldenville Formation greywackes - major element Harker variation diagrams.

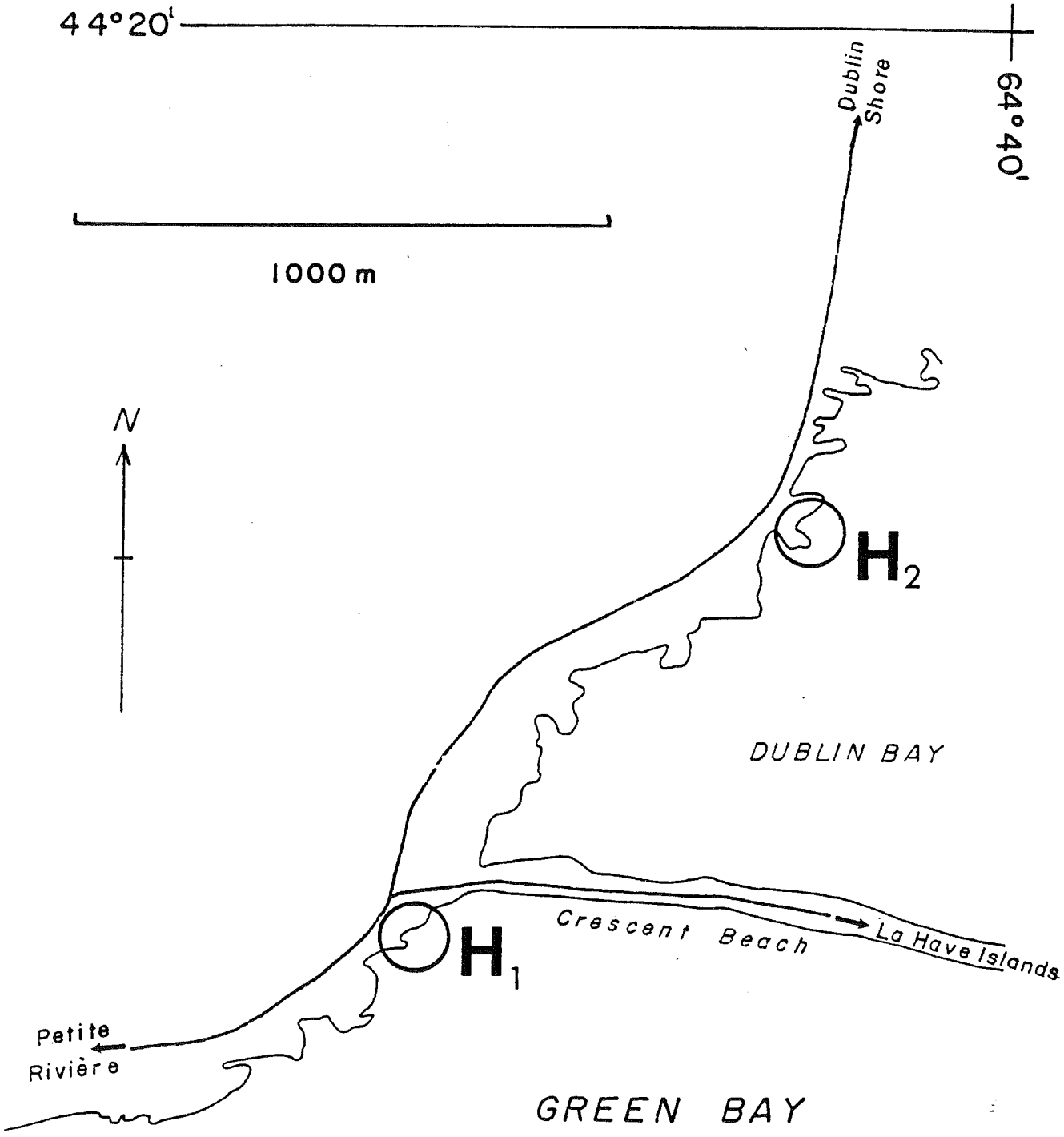


Figure 36: Location map of Crescent Beach - H_1 - and Crescent Beach Cove - H_2 - shore sections, Dublin Shore, Lunenburg County.

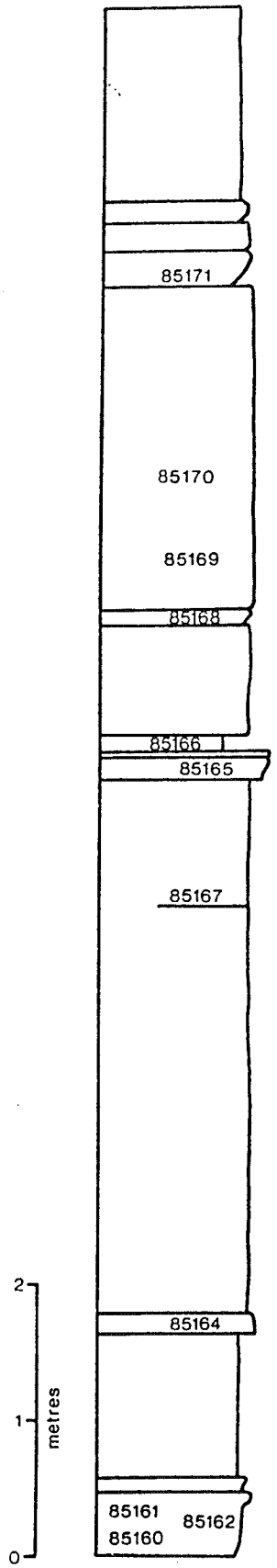


Figure 37: Sample section of H_1, Crescent Beach shore section, Dublin Shore, Lunenburg County

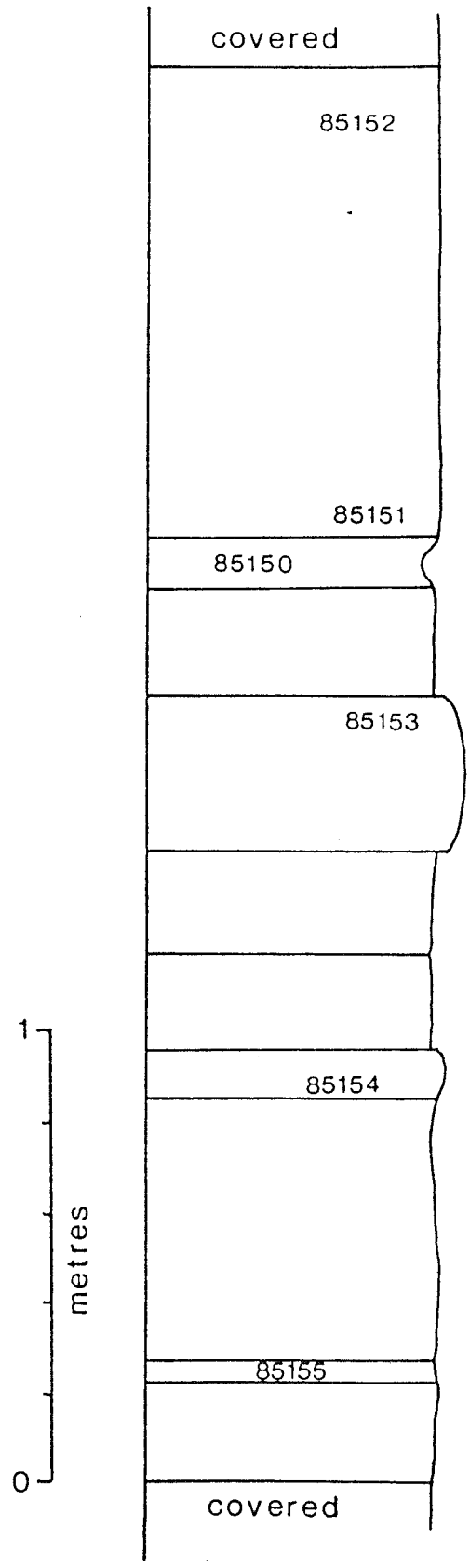
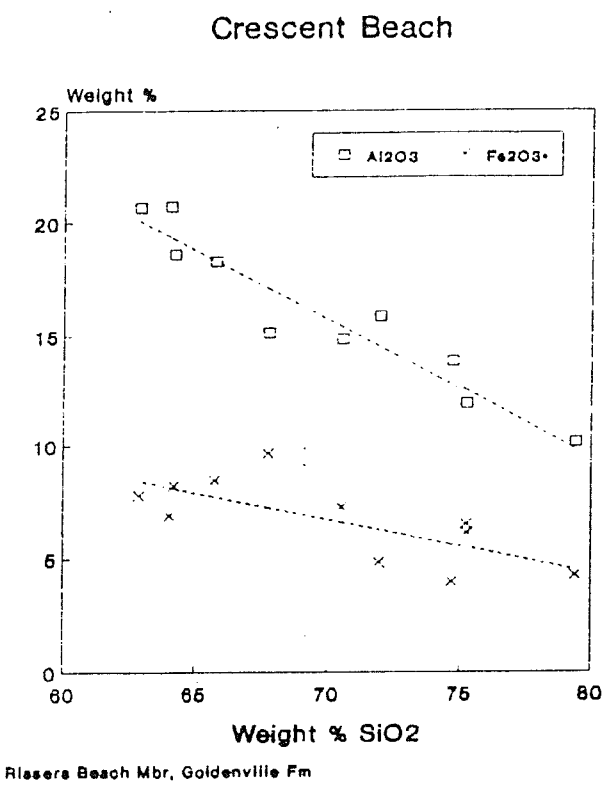
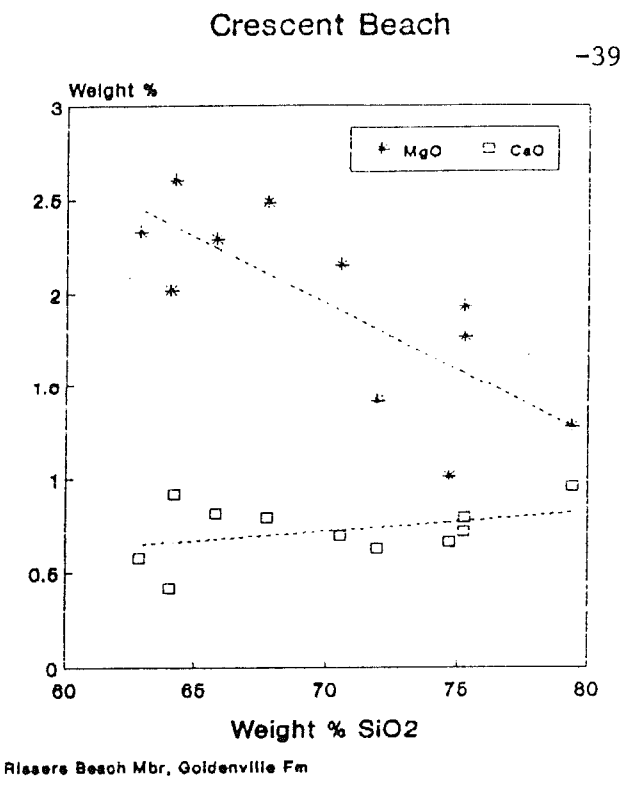
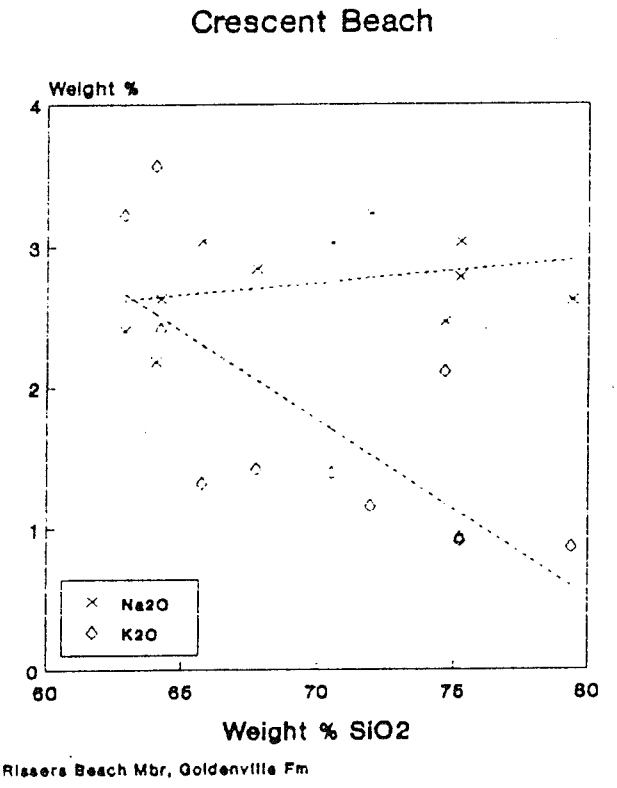


Figure 38: Sample section of H2, Crescent Beach Cove shore section, Dublin Shore, Lunenburg County







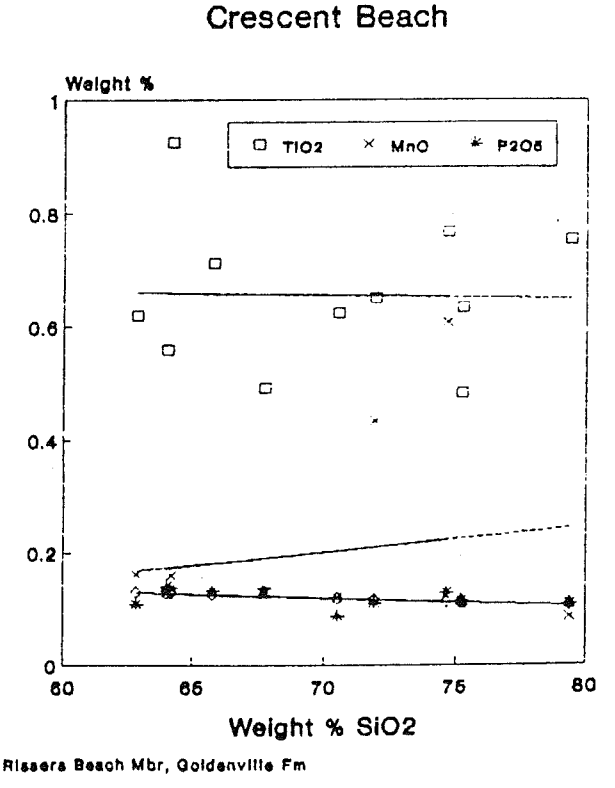


Figure 39: Crescent Beach and Crescent Beach Cove shore sections, Dublin Shore, Lunenburg County, Rissers Beach Member, Goldenville Formation - major element Harker variation diagrams.

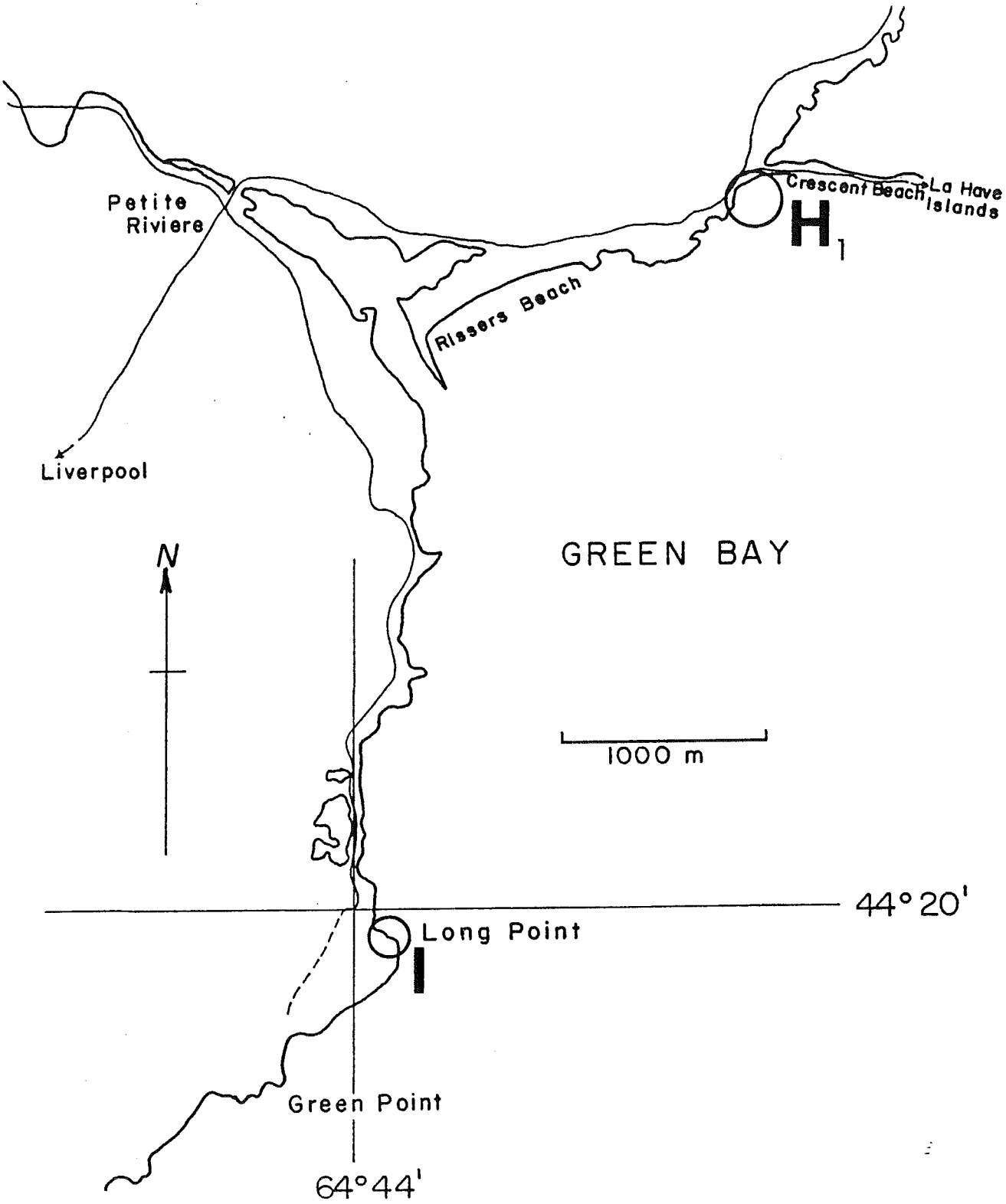


Figure 40: Location map for the Long Point, Green Bay shore section, Dublin Shore, Lunenburg County. Indicated at I on the map.

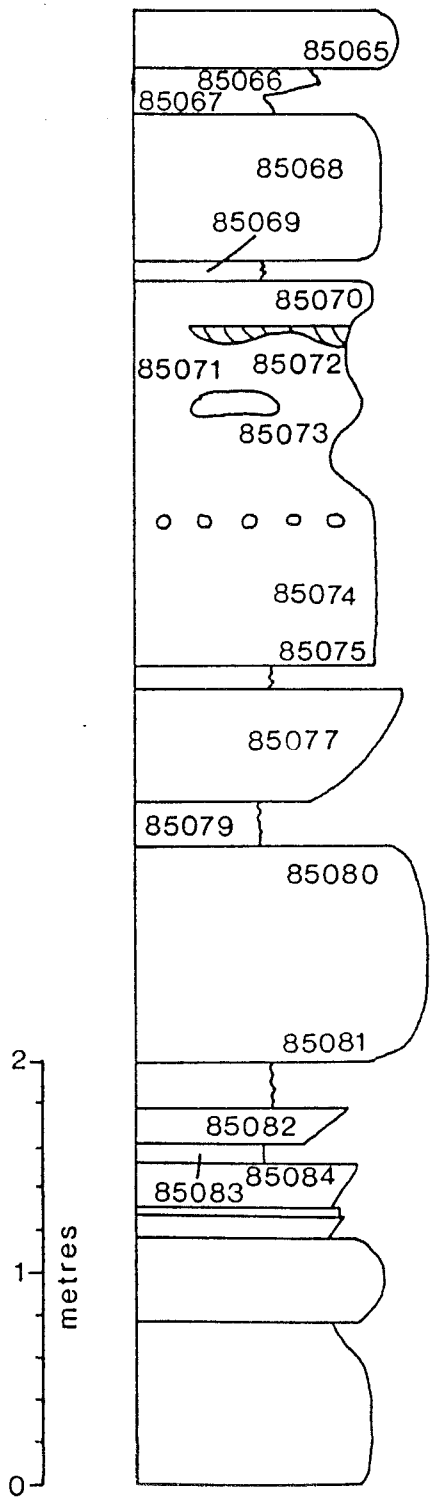


Figure 41: Sample section for Long Point, Green Bay shore section, Dublin Shore, Lunenburg County, lower portion (continuous with sample section of figure 42).

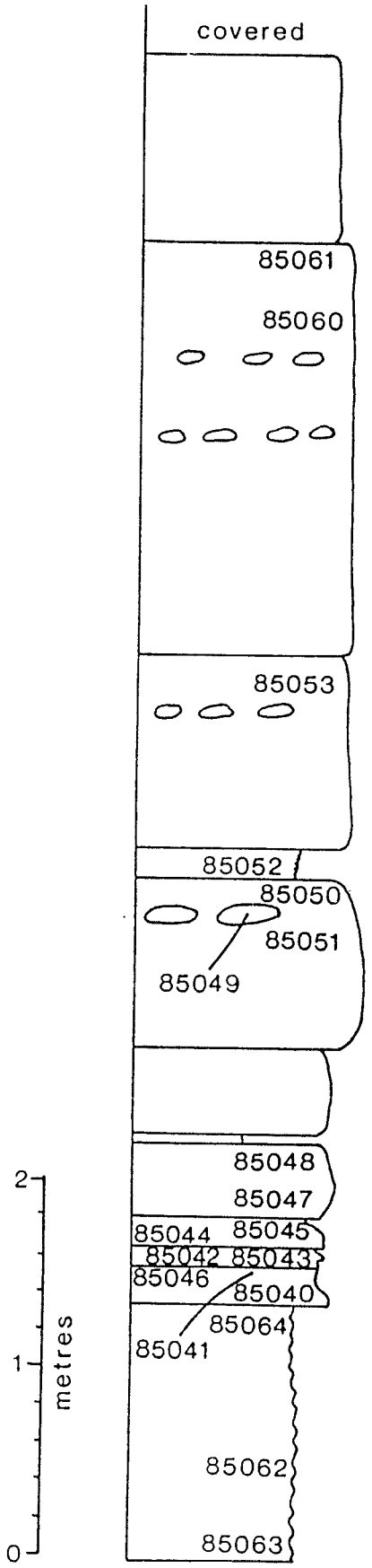


Figure 42: Sample section for Long Point, Green Bay shore section, Dublin Shore, Lunenburg County, upper portion (continuous with sample section of figure 41).

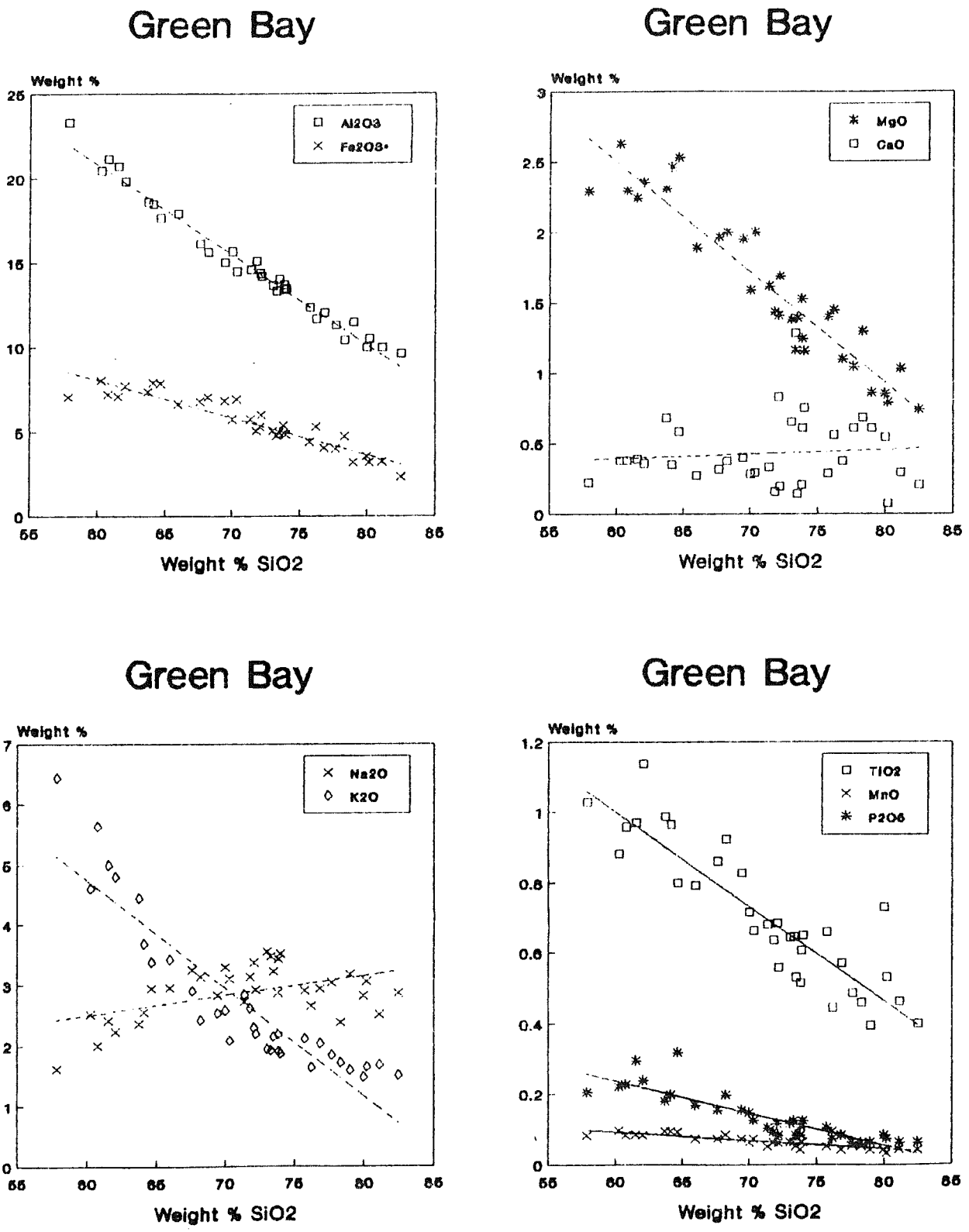


Figure 43: Long Point, Green Bay shore section, Dublin Shore, Lunenburg County, Goldenville Formation greywackes - major element Harker variation diagrams.

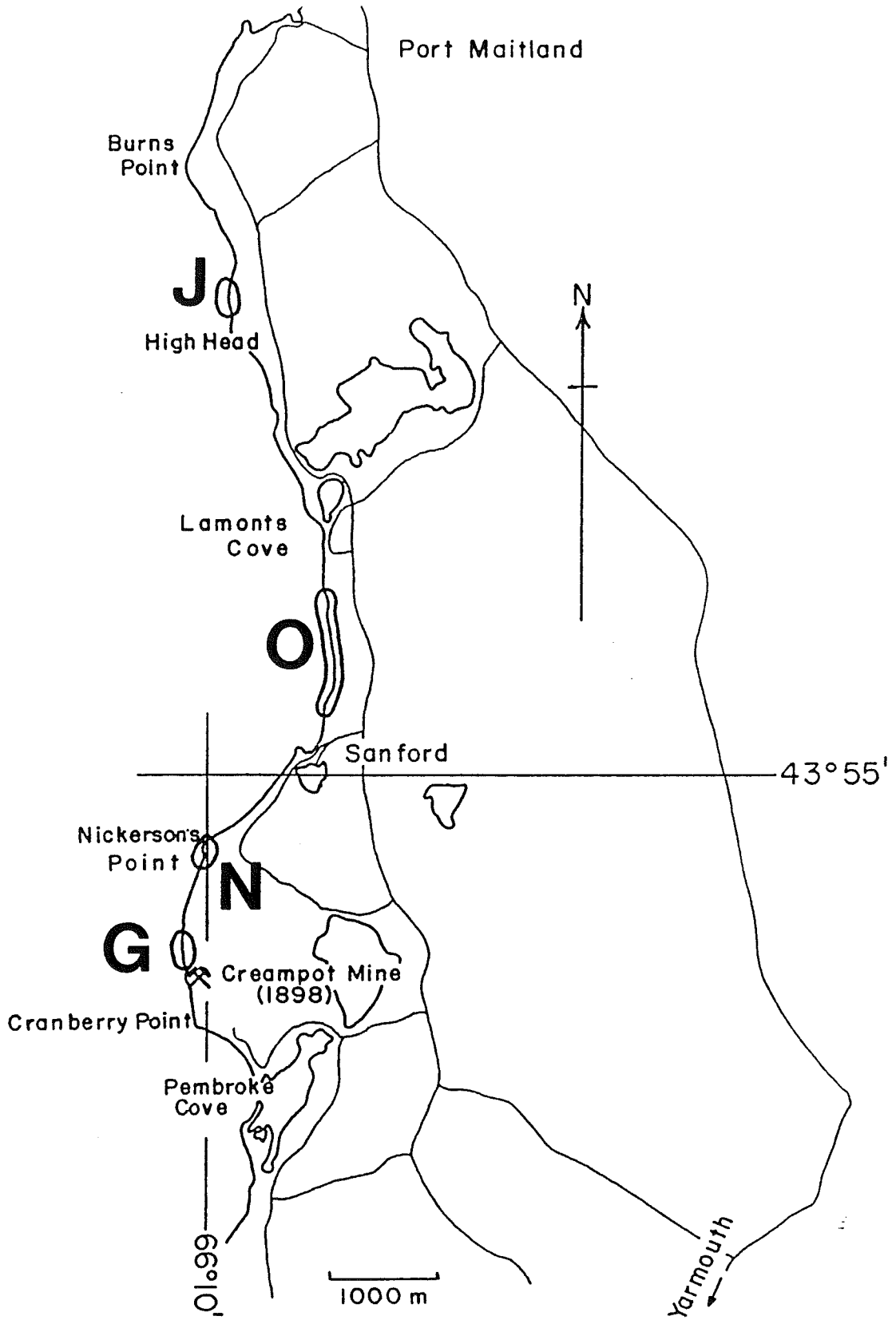


Figure 44: Location map for the High Head shore section, Yarmouth County - indicated at J on the map.

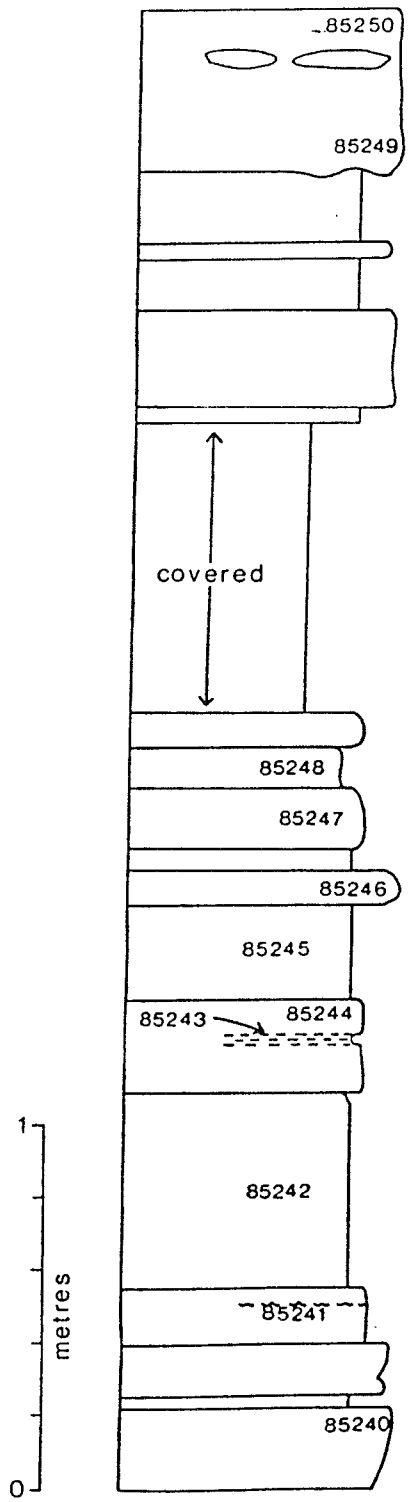


Figure 45: Sample section for the High Head shore section, Yarmouth County.

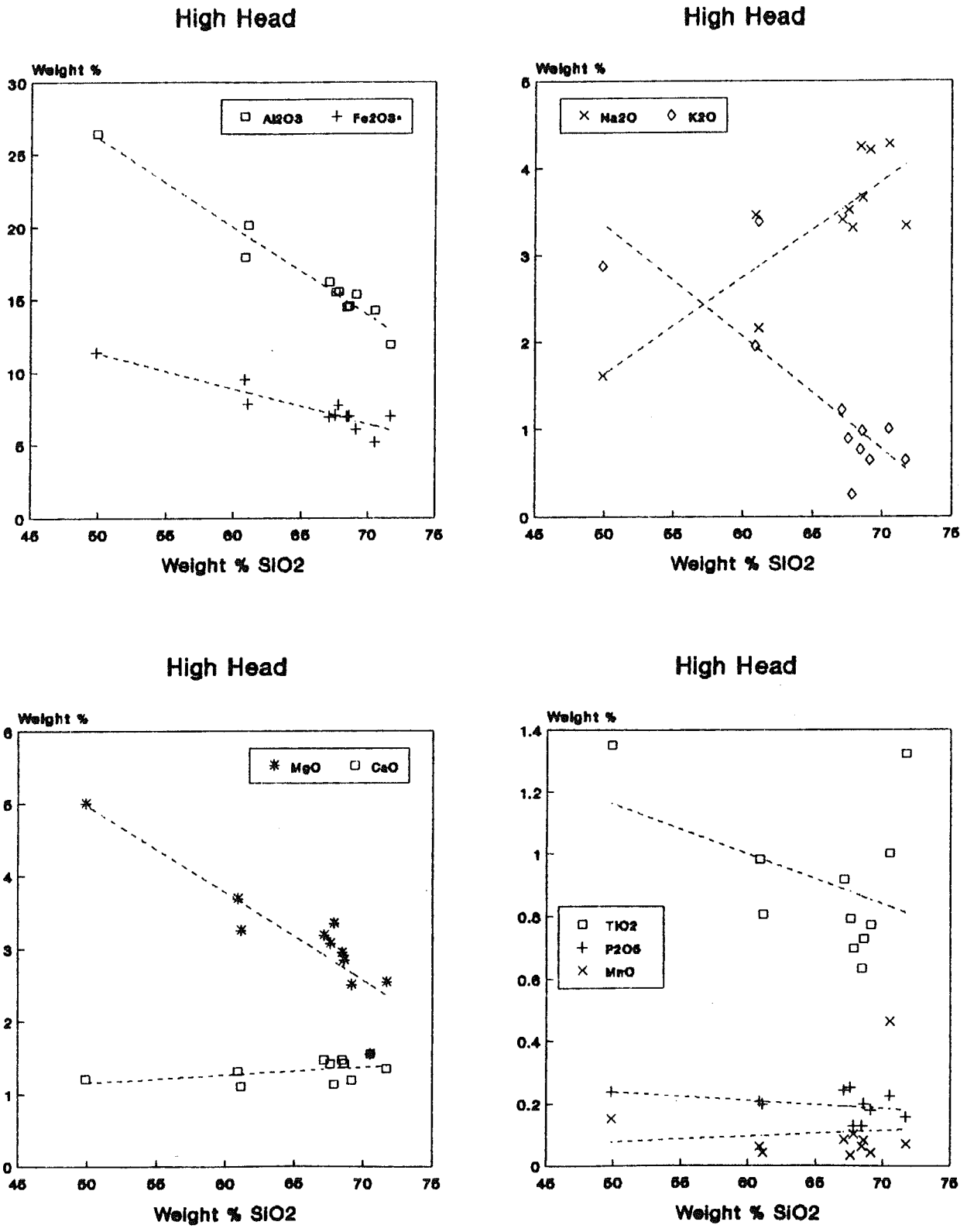


Figure 46: High Head shore section, Yarmouth County, Goldenville Formation greywackes - major element Harker variation diagrams.

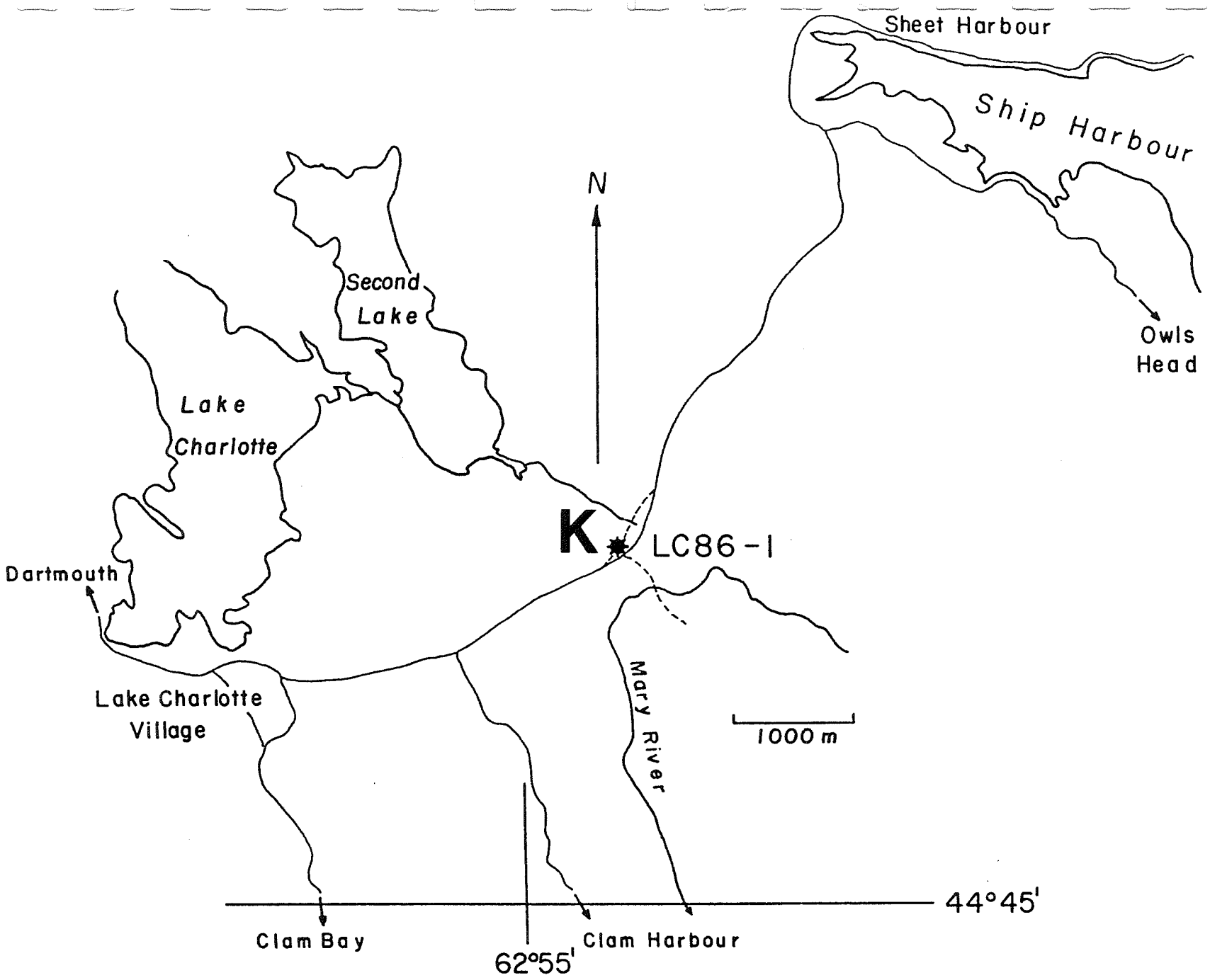


Figure 47: Location map for the drillsite of the Lake Charlotte drillcore (LC86-1 drilled and held by the Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County.

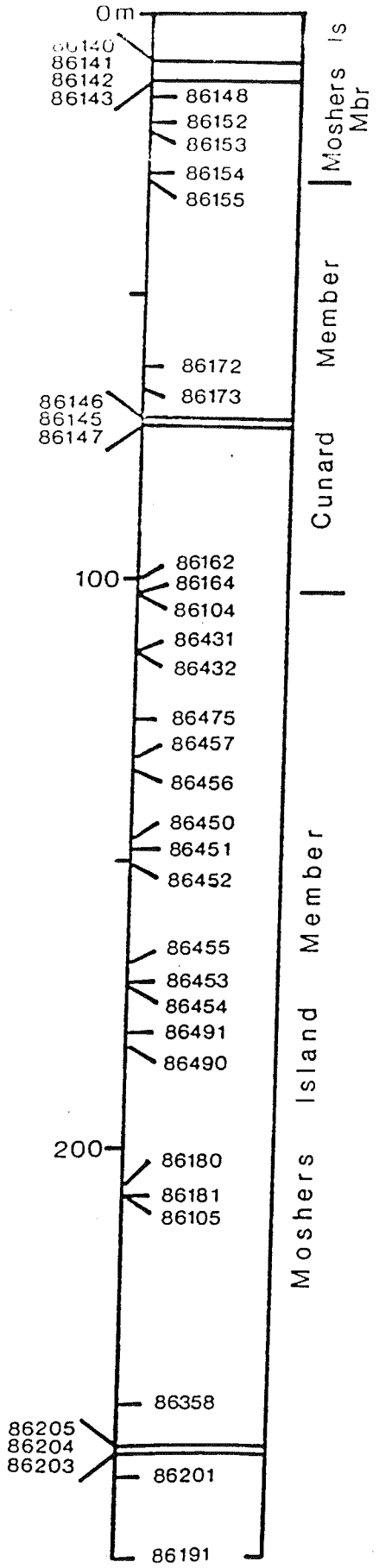


Figure 48: Sample log of the Lake Charlotte drillcore (LC86-1 drilled and held by the Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County. Depths in meters from surface. Hole drilled at 45° inclination to the north. Bedding dips 75° to 85° to the south.

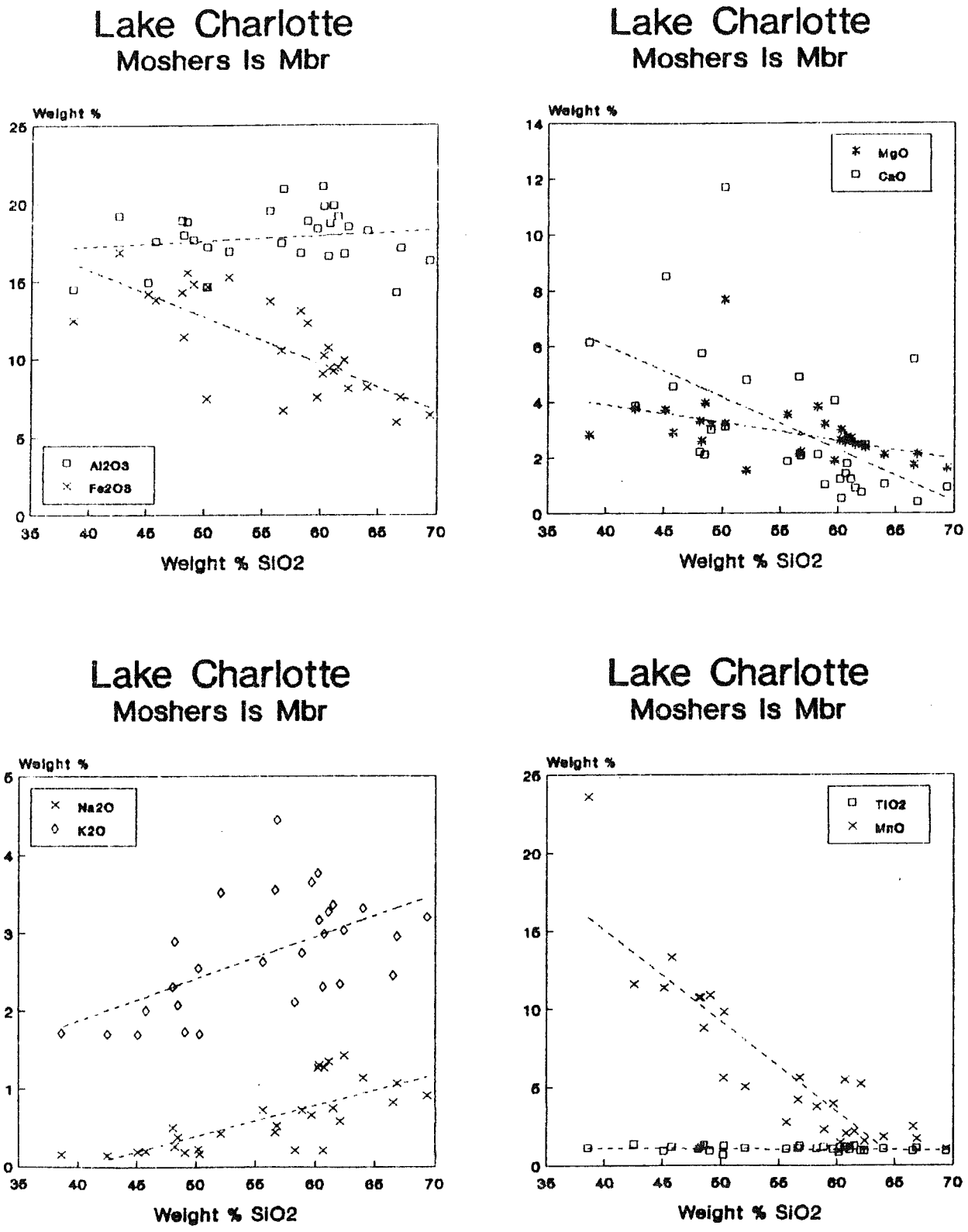


Figure 49: Lake Charlotte drillcore (LC86-1 drilled and held by the Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County, Moshers Island Member calcareous argillites, Halifax Formation - major element Harker variation diagrams.

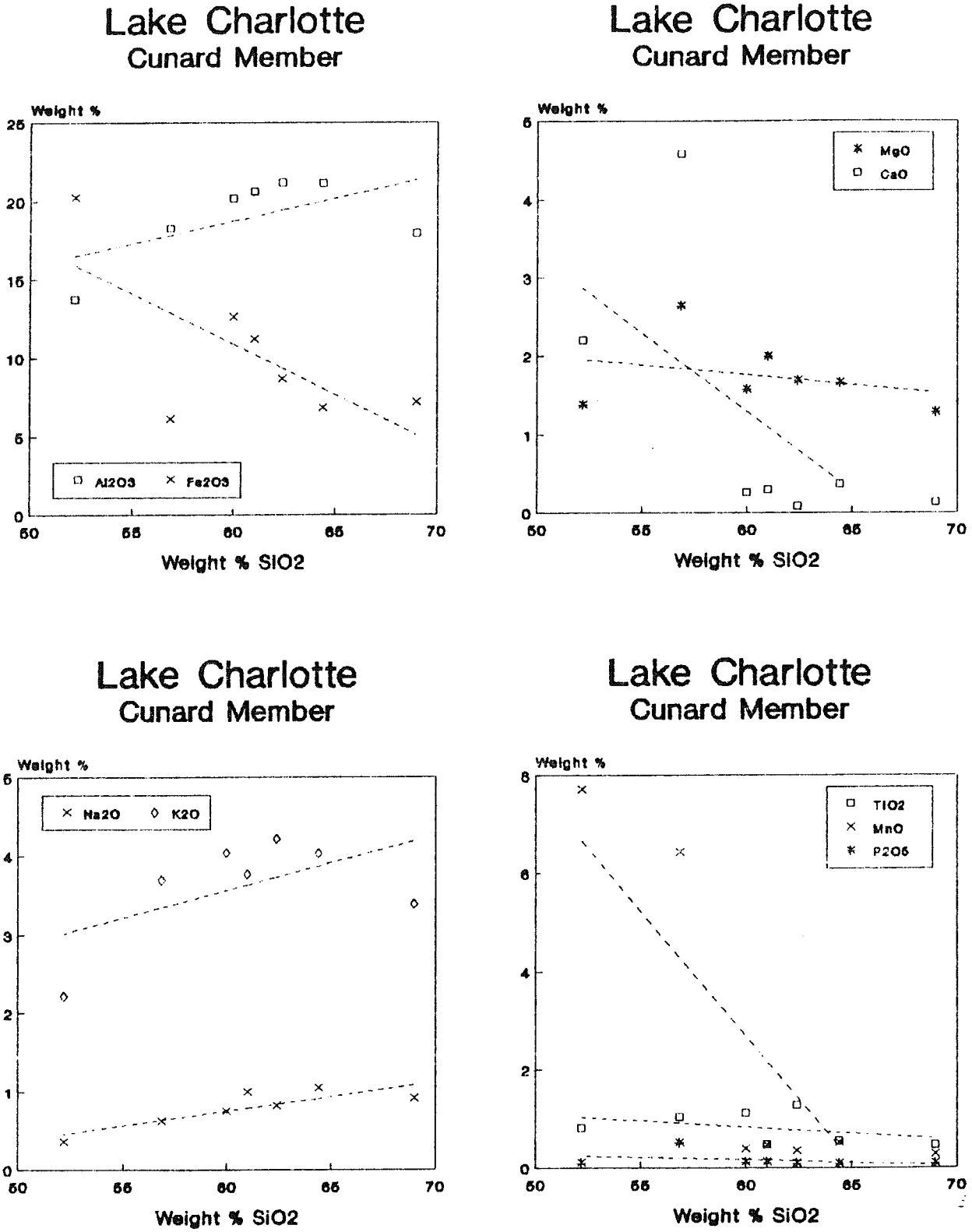


Figure 50: Lake Charlotte drillcore (LC86-1 drilled and held by the Nova Scotia Department of Mines and Energy, Stellarton, NS), Halifax County, Cunard Member black slates, Halifax Formation - major element Harker variation diagrams.

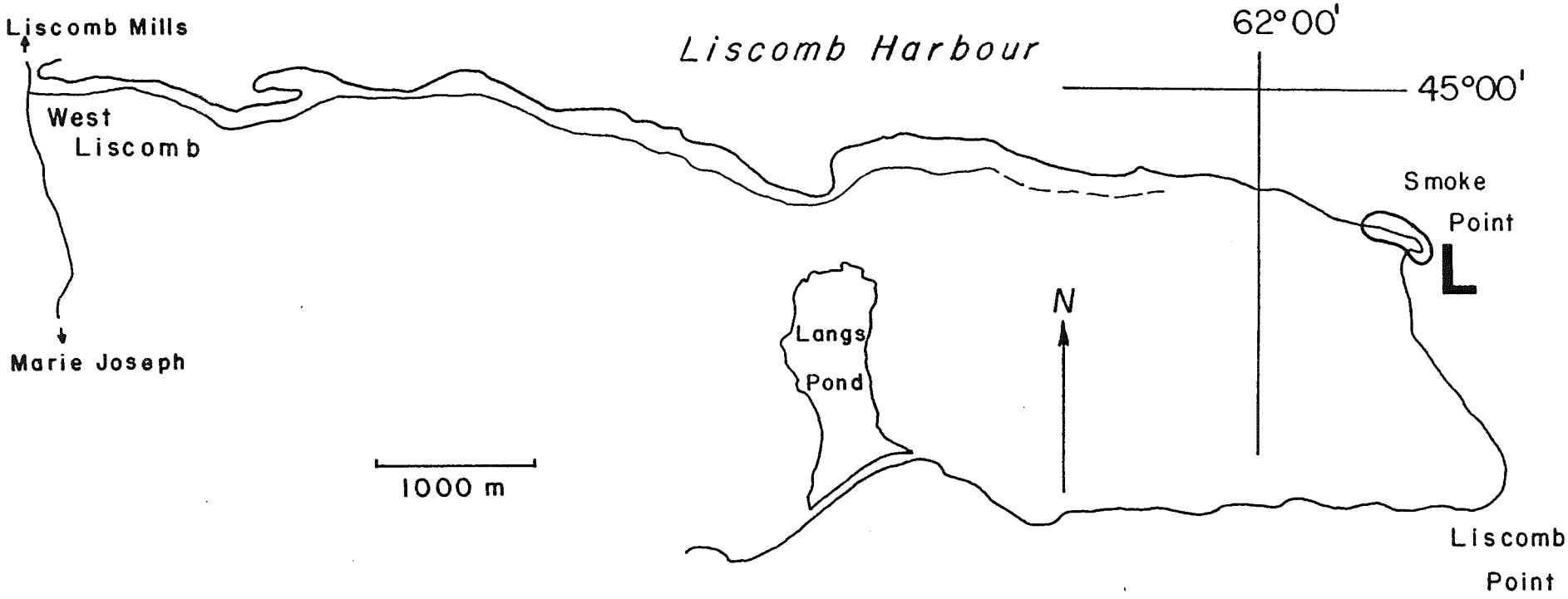


Figure 51: Location map for the Smoke Point, Liscomb Harbour sample section, Guysborough County.

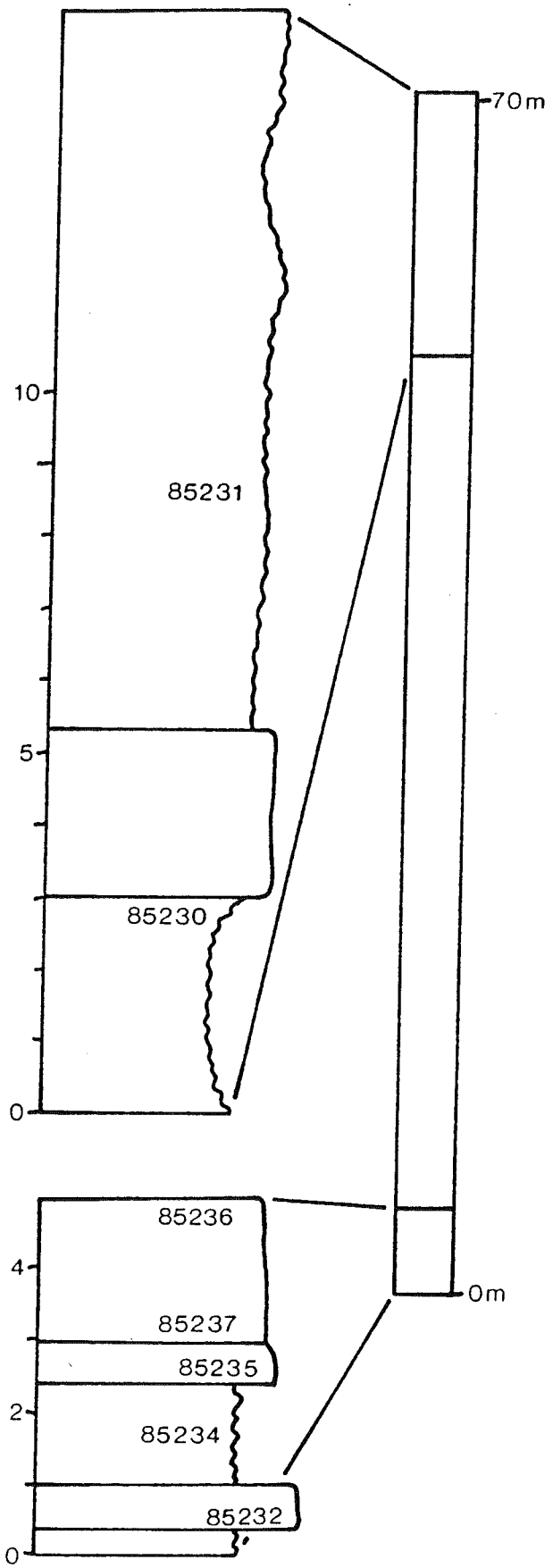


Figure 52: Sample section of Smoke Point, Liscomb Harbour, the contact between the Goldenville Formation and the Halifax Formation is between the detailed sections.

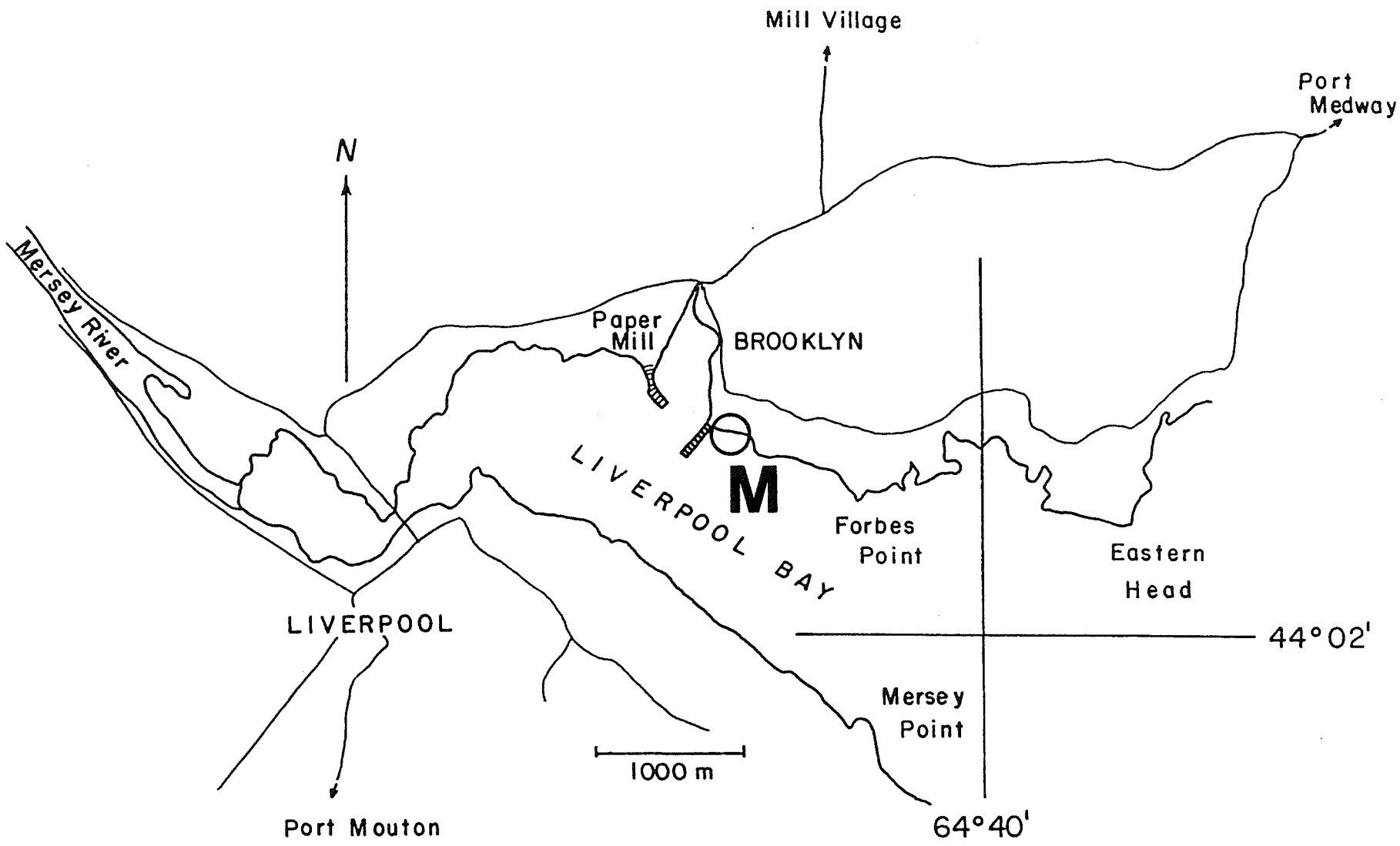


Figure 53: Location map for the Brooklyn, Liverpool Harbour shore section, Queens County.

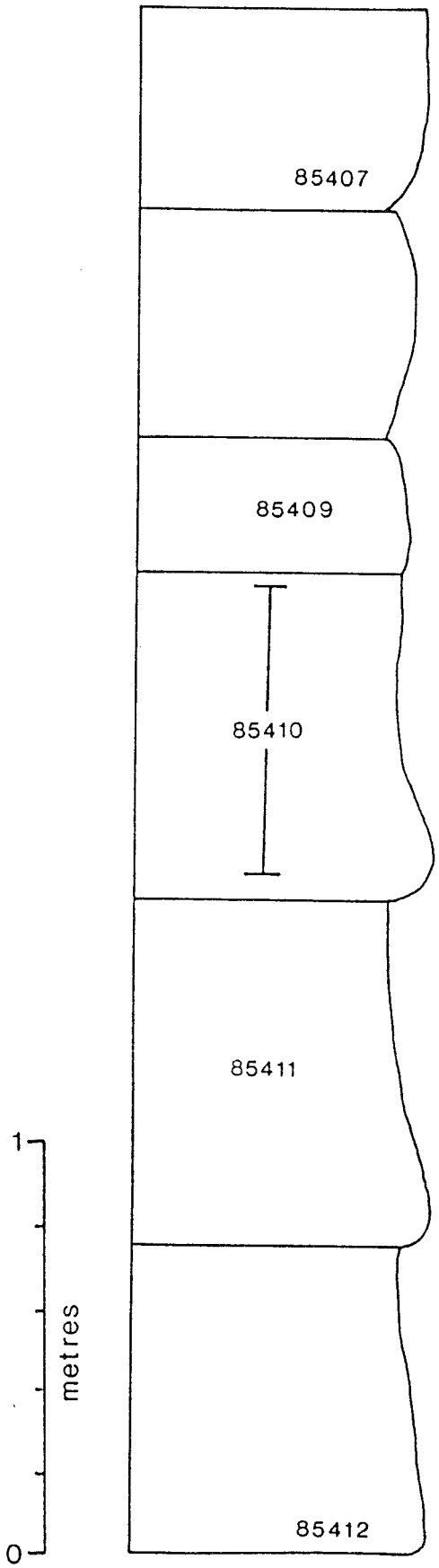


Figure 54: Sample section of the Brooklyn, Liverpool Harbour shore section, Queens County, lower portion (continuous with sample section in figure 55).

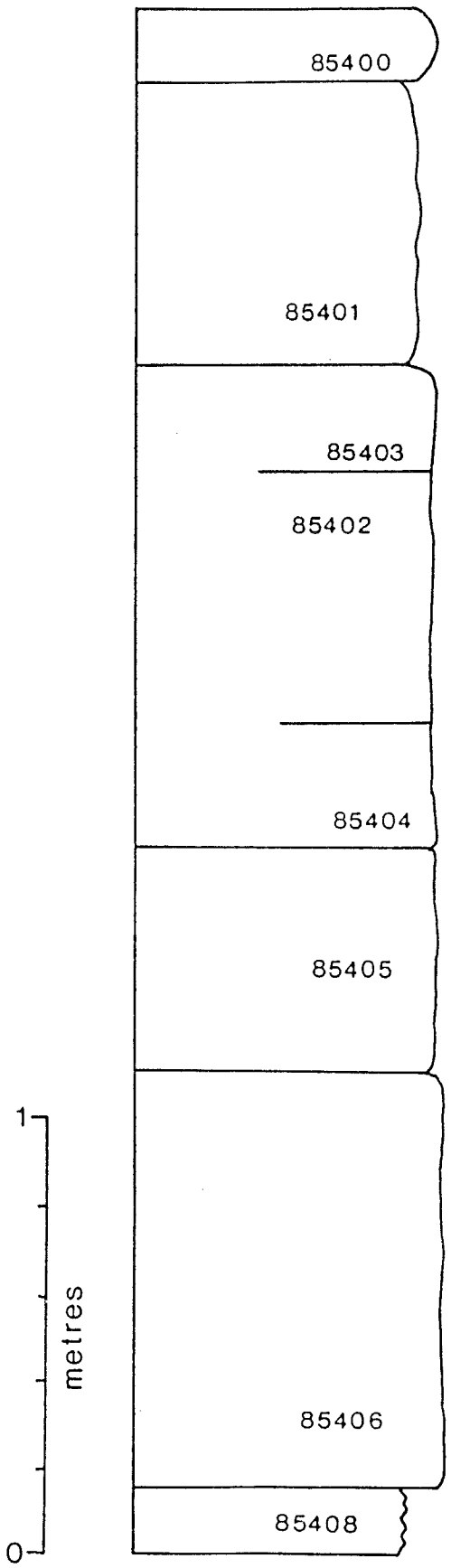


Figure 55: Sample section of the Brooklyn, Liverpool Harbour shore section, Queens County, upper portion (continuous with sample section in figure 54).

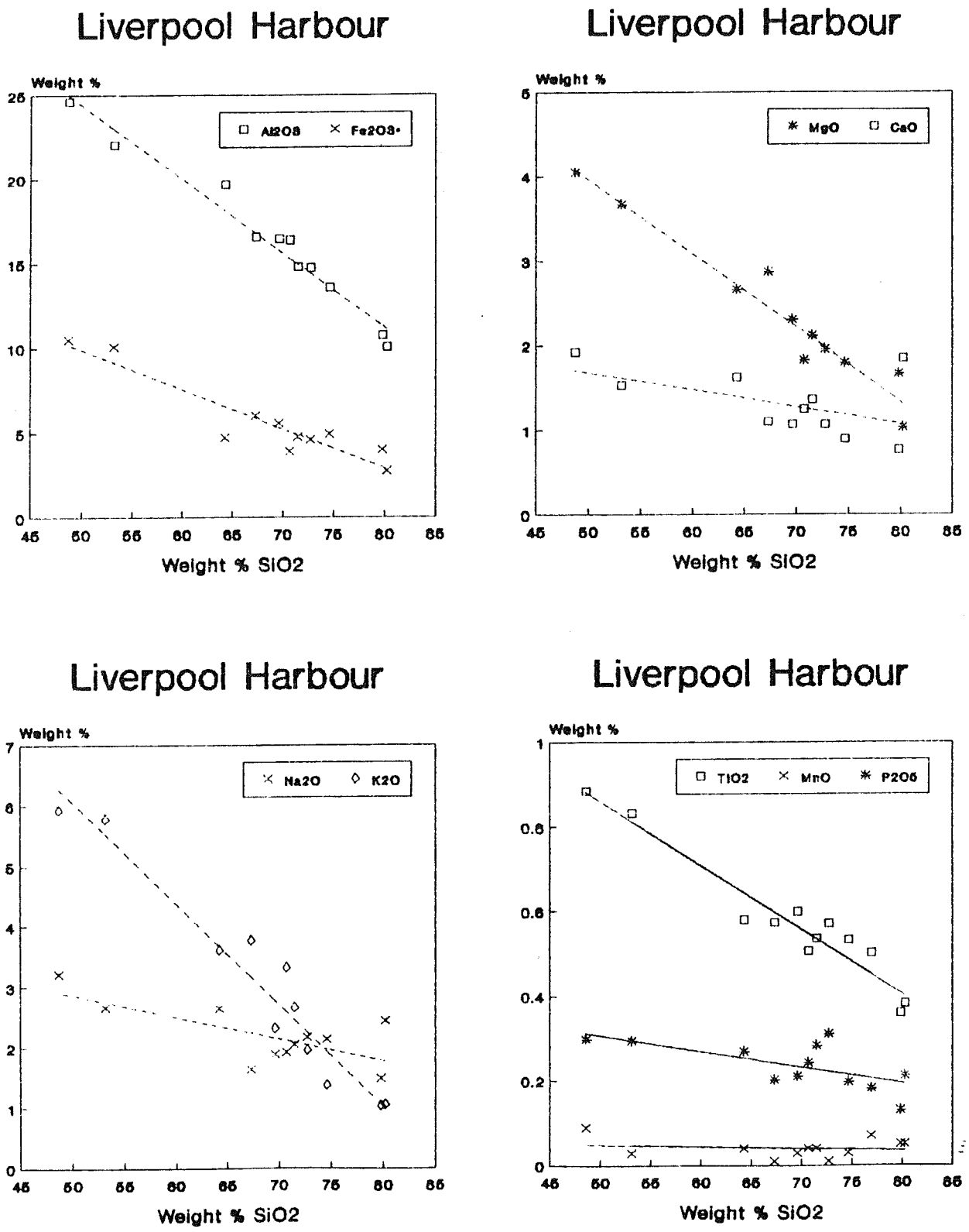


Figure 56: Brooklyn, Liverpool Harbour shore section, Queens County, Goldenville Formation greywackes - major element Harker variation diagrams.

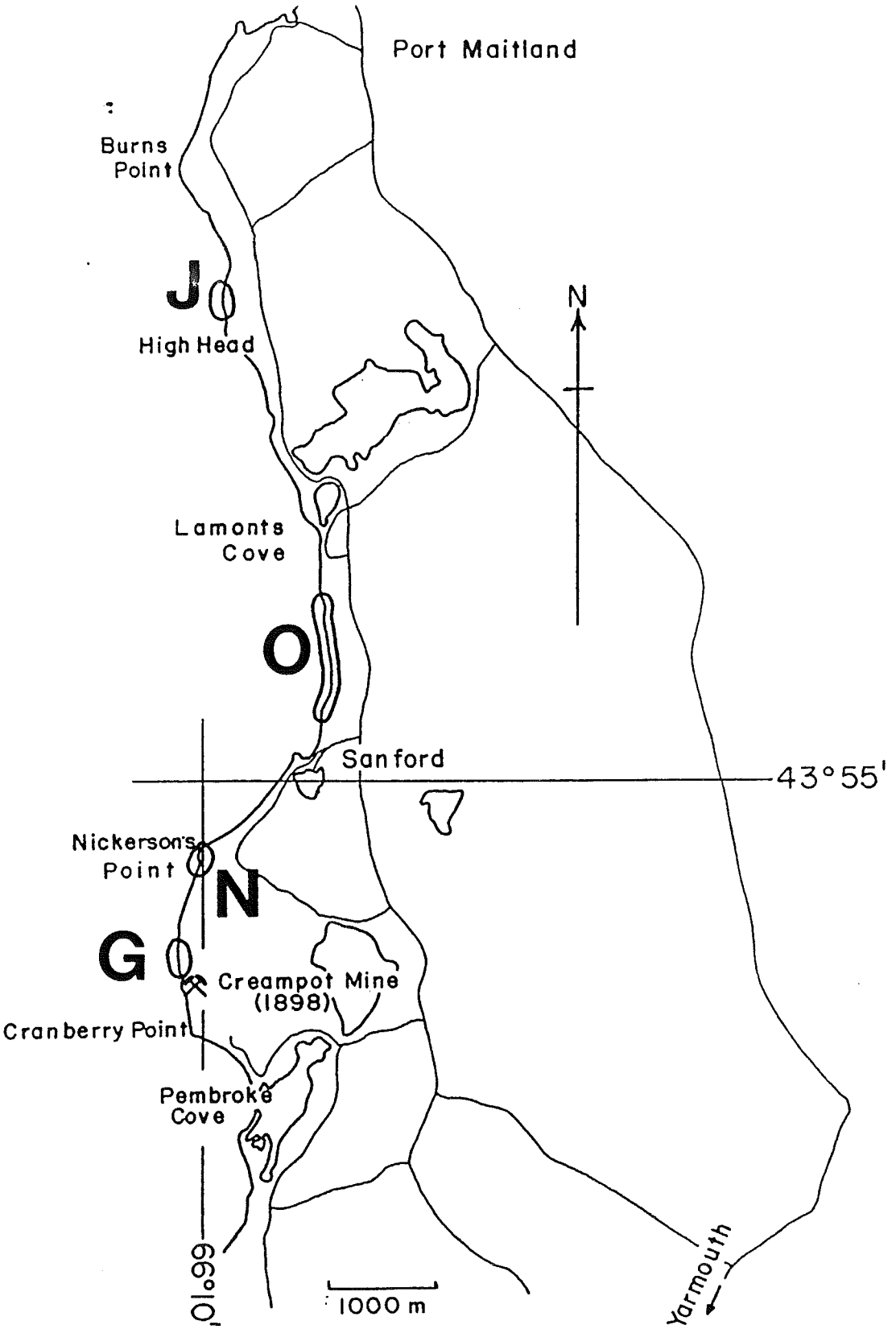


Figure 57: Location map for the Nickerson Point shore section, Yarmouth County. Indicated at N on the map.

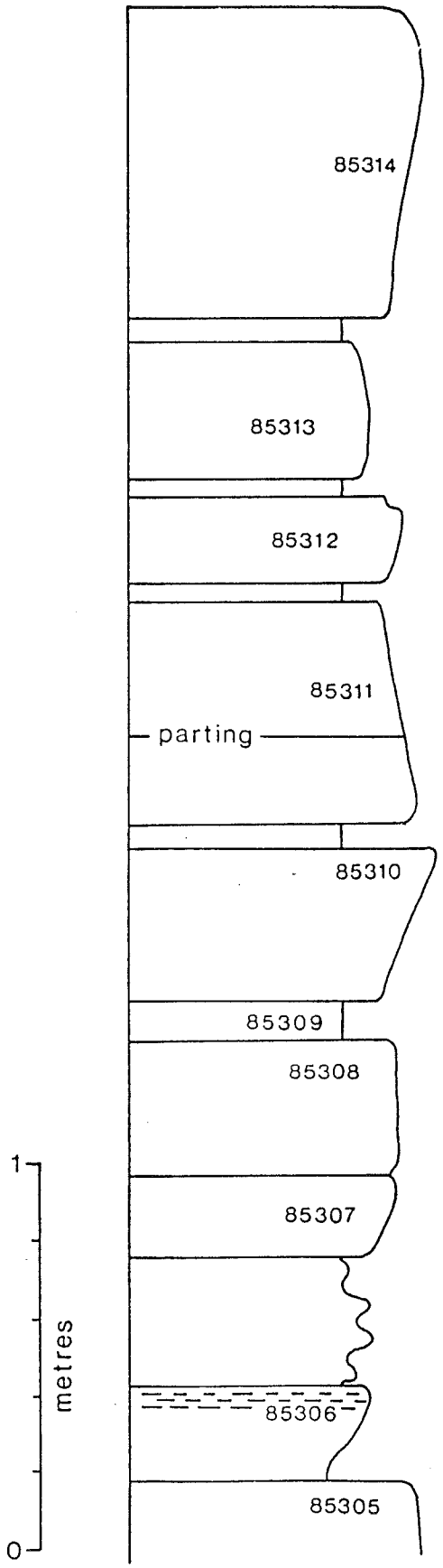


Figure 58: Sample section for the Nickerson Point shore section, Yarmouth County.

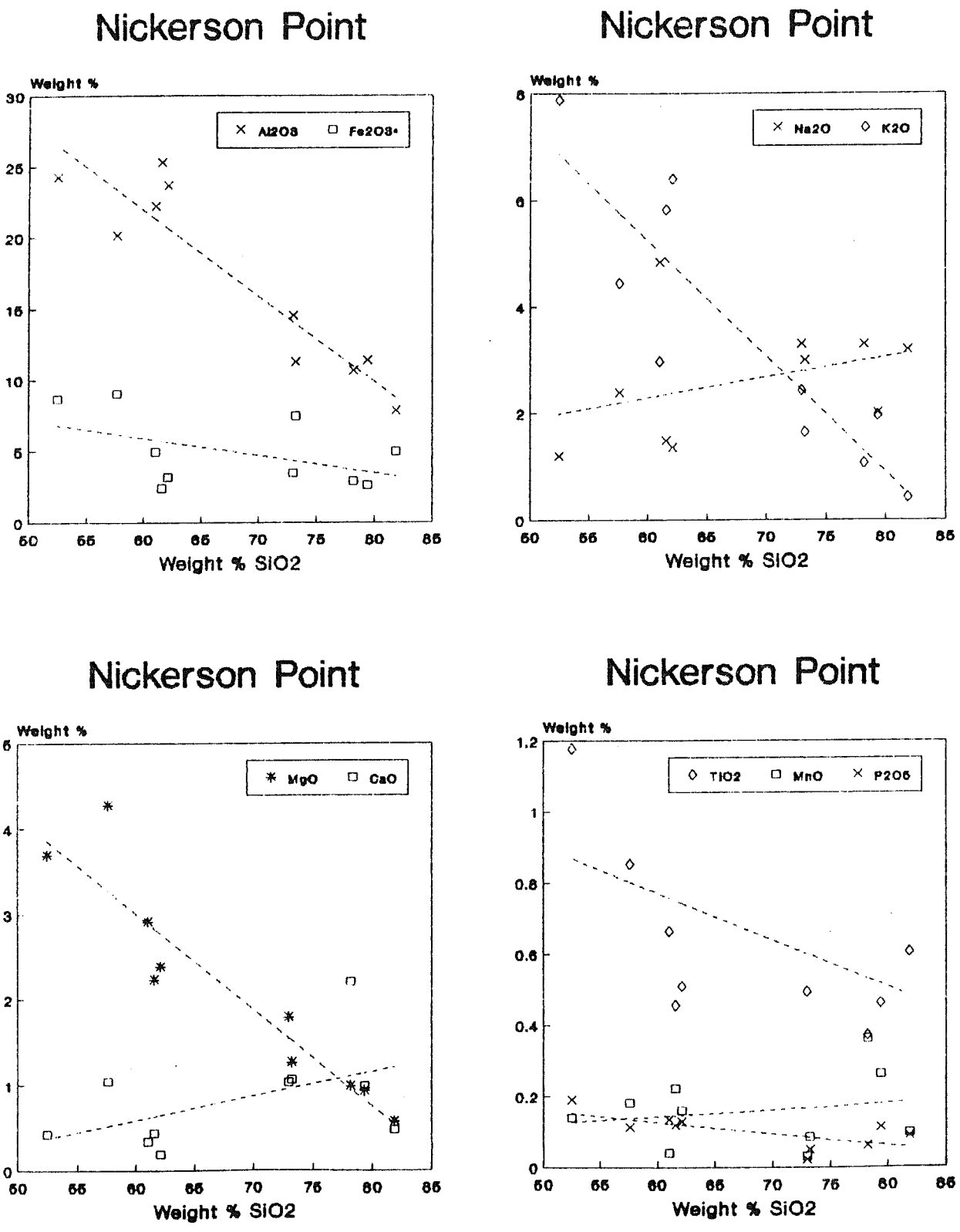


Figure 59: Nickerson Point shore section, Yarmouth County, Goldenville Formation greywackes - major element Harker variation diagrams.

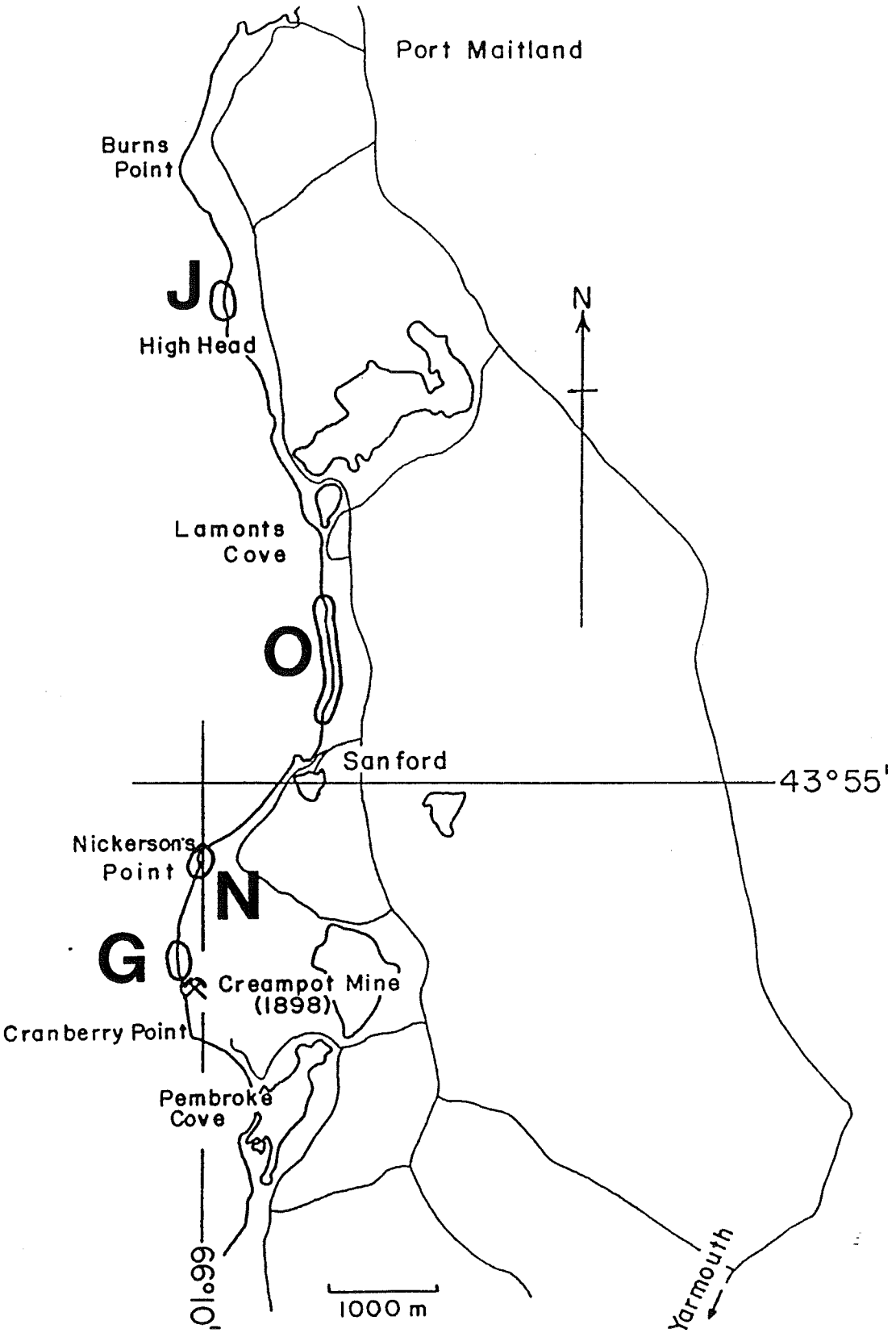


Figure 60: Location map for the Sanford shore section, Yarmouth County. Indicated at O on the map.

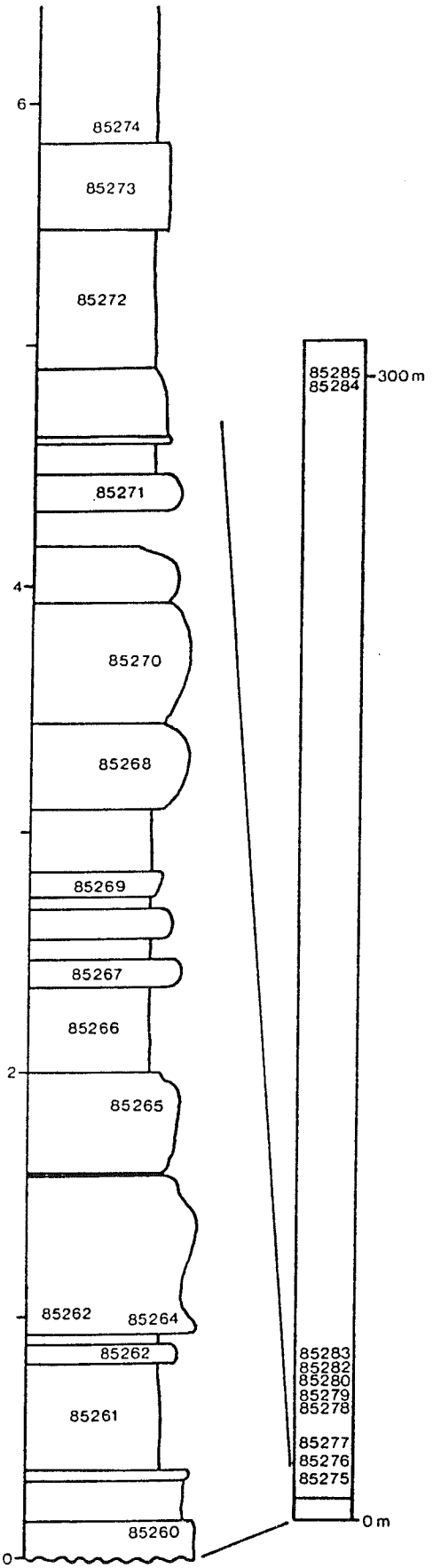


Figure 61: Sample section for the Sanford shore section, Yarmouth County.

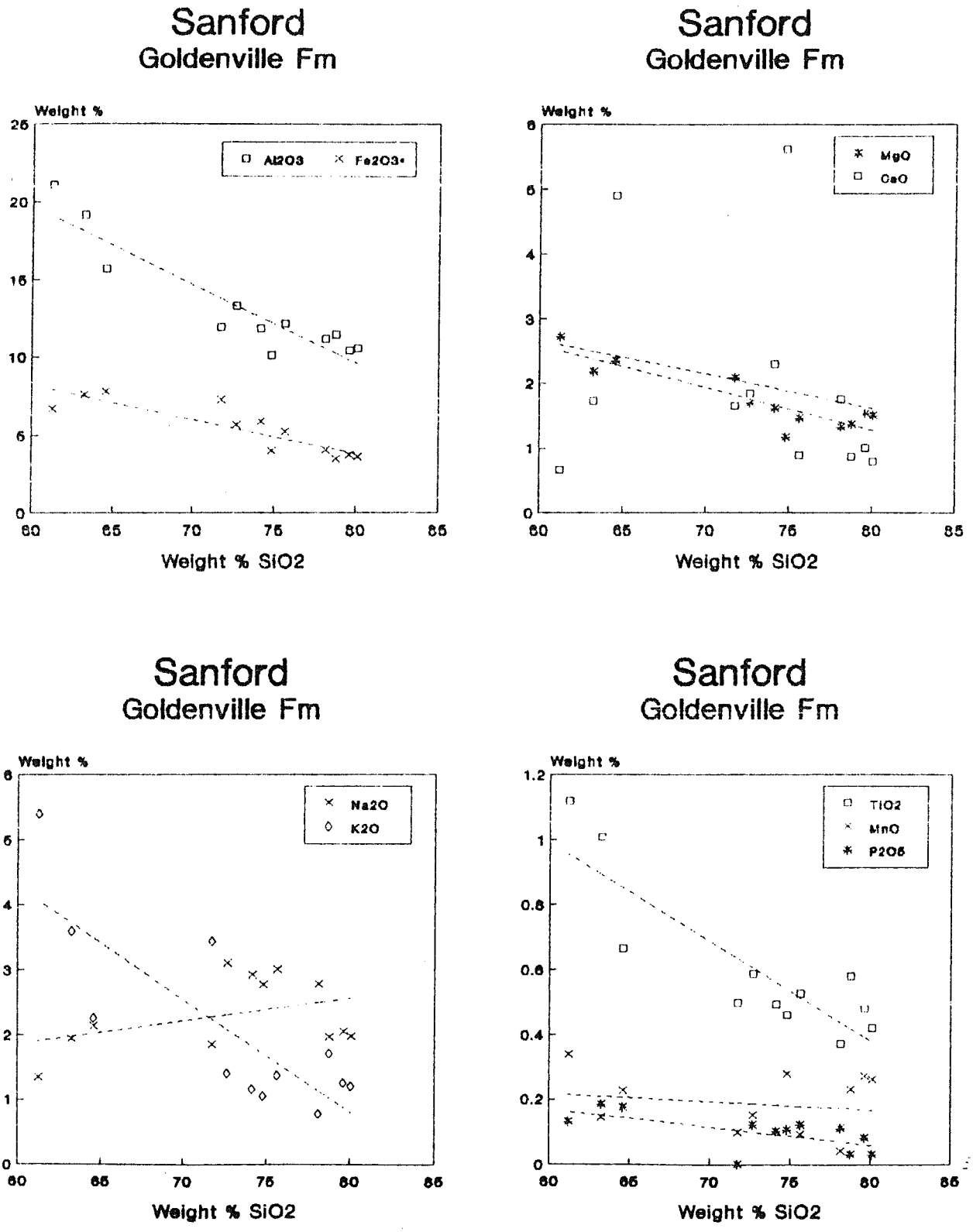


Figure 62: Sanford shore section, Yarmouth County, upper Goldenville Formation greywackes - major element Harker variation diagrams.

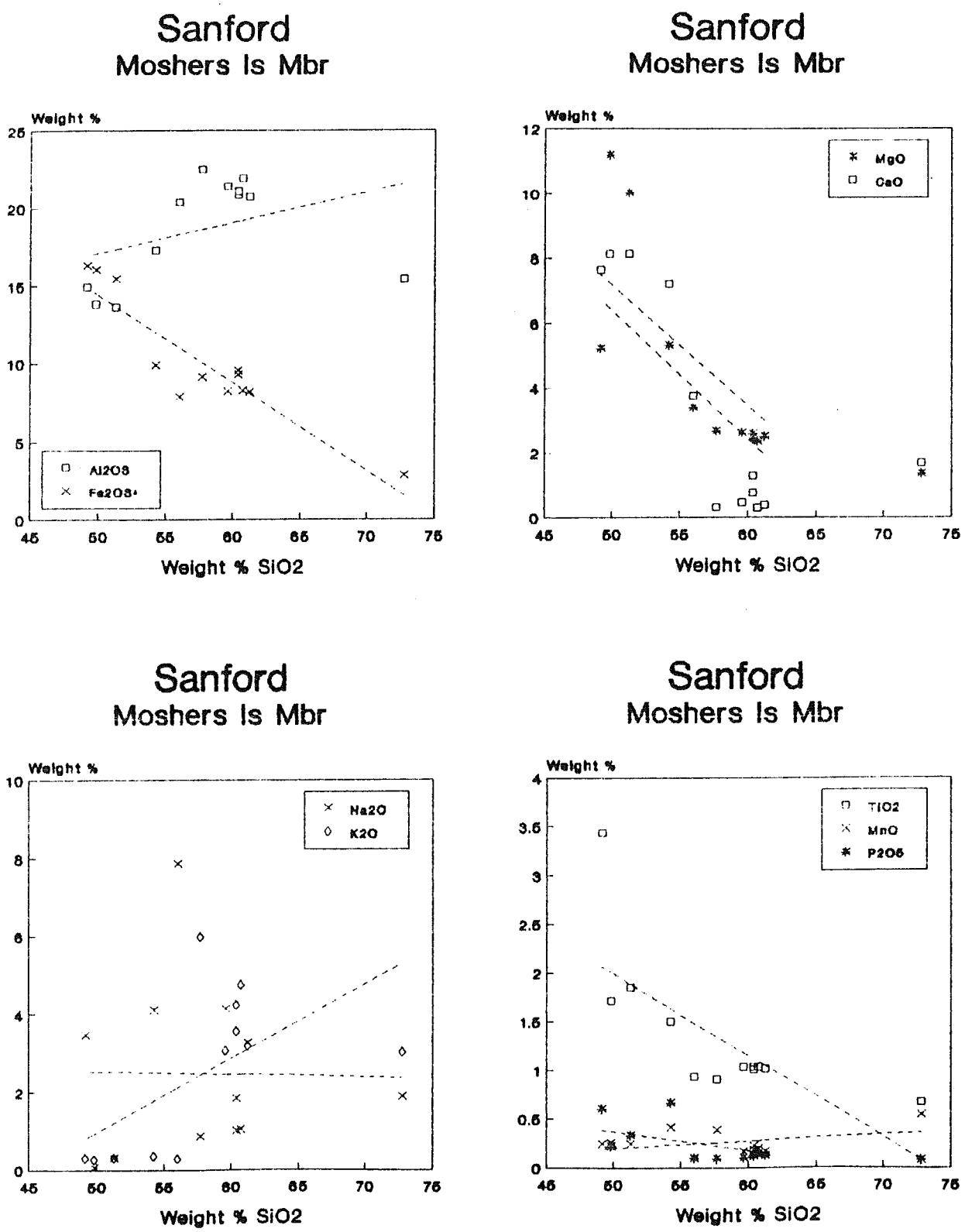


Figure 63: Sanford shore section, Yarmouth County, Moshers Island Member slates, Halifax Formation - major element Harker variation diagrams.

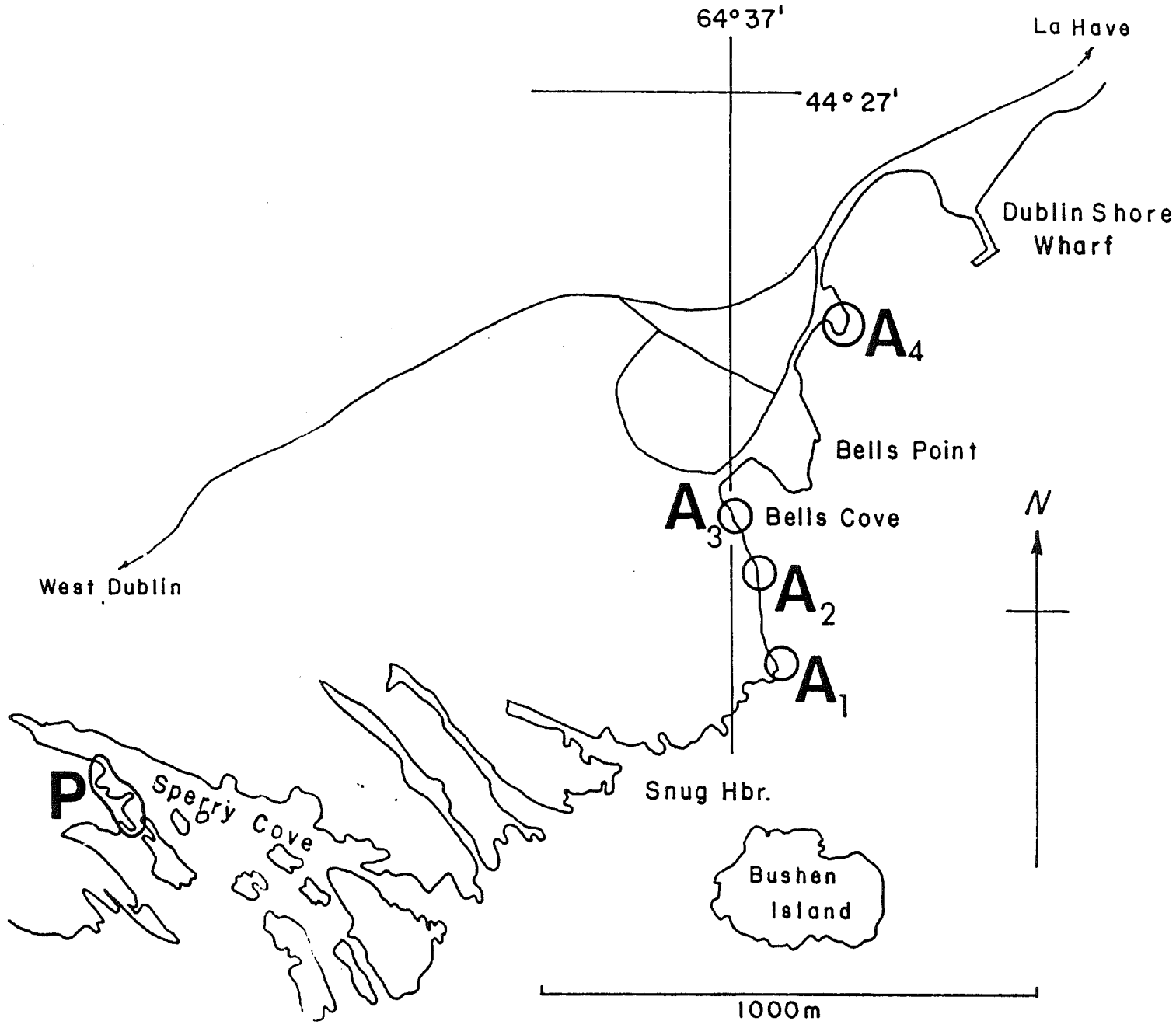


Figure 64: Location map for the Sperry Cove shore section, Dublin Shore, Lunenburg County. Indicated at P on the map.

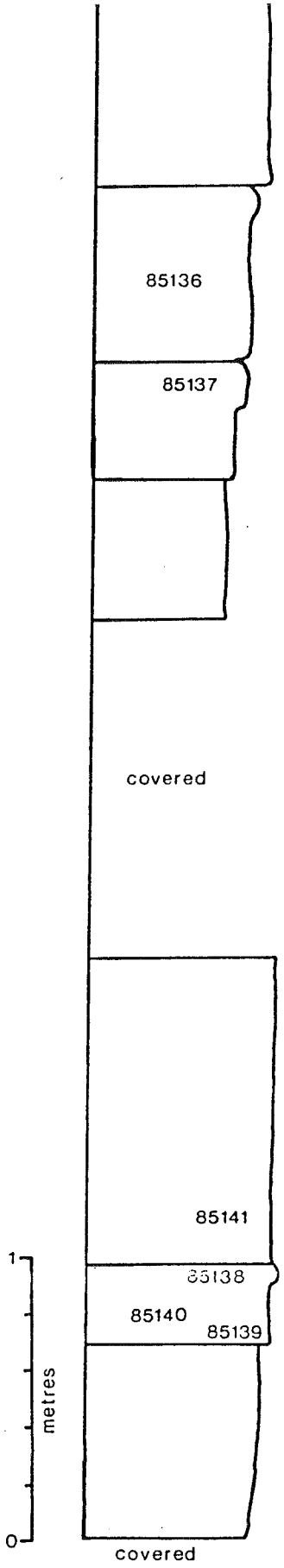


Figure 65: Sample section for the Sperry Cove shore section, Dublin Shore, Lunenburg County, lower portion (continuous with sample section of figure 66).

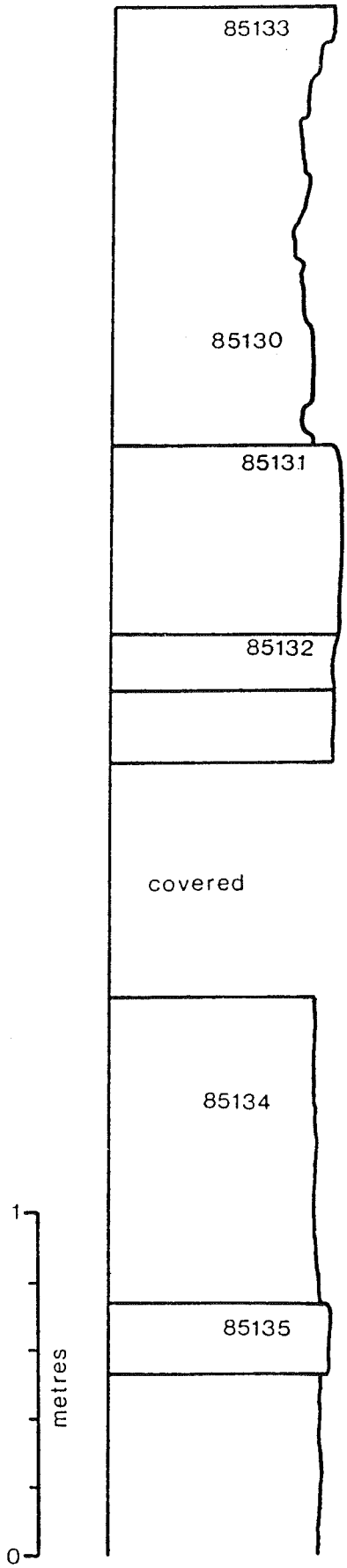


Figure 66: Sample section for the Sperry Cove shore section, Dublin Shore, Lunenburg County, upper portion (continuous with sample section of figure 65).

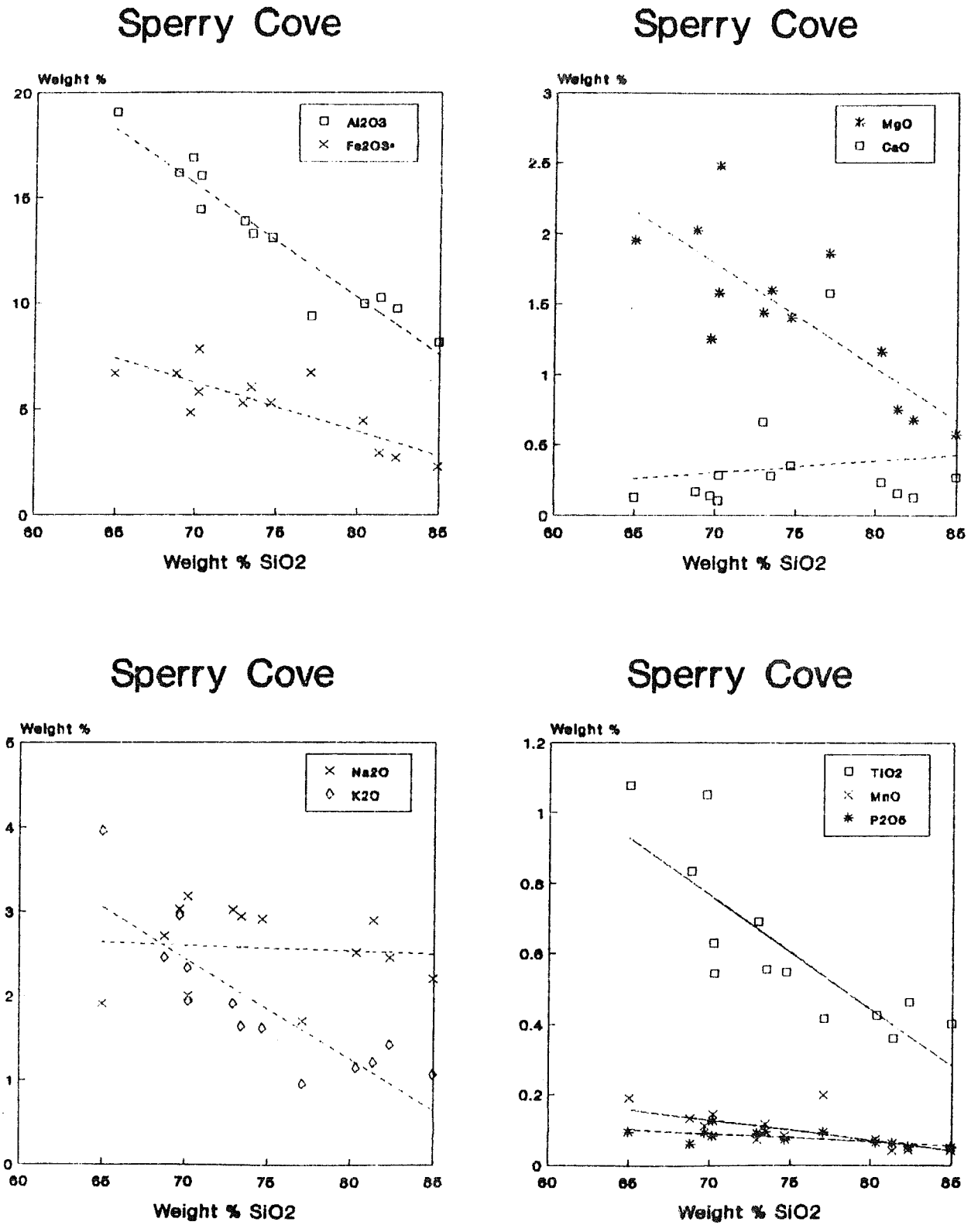


Figure 67: Sperry Cove shore section, Dublin Shore, Lunenburg County, West Dublin Member greywackes, upper Goldenville Formation - major element Harker variation diagrams.

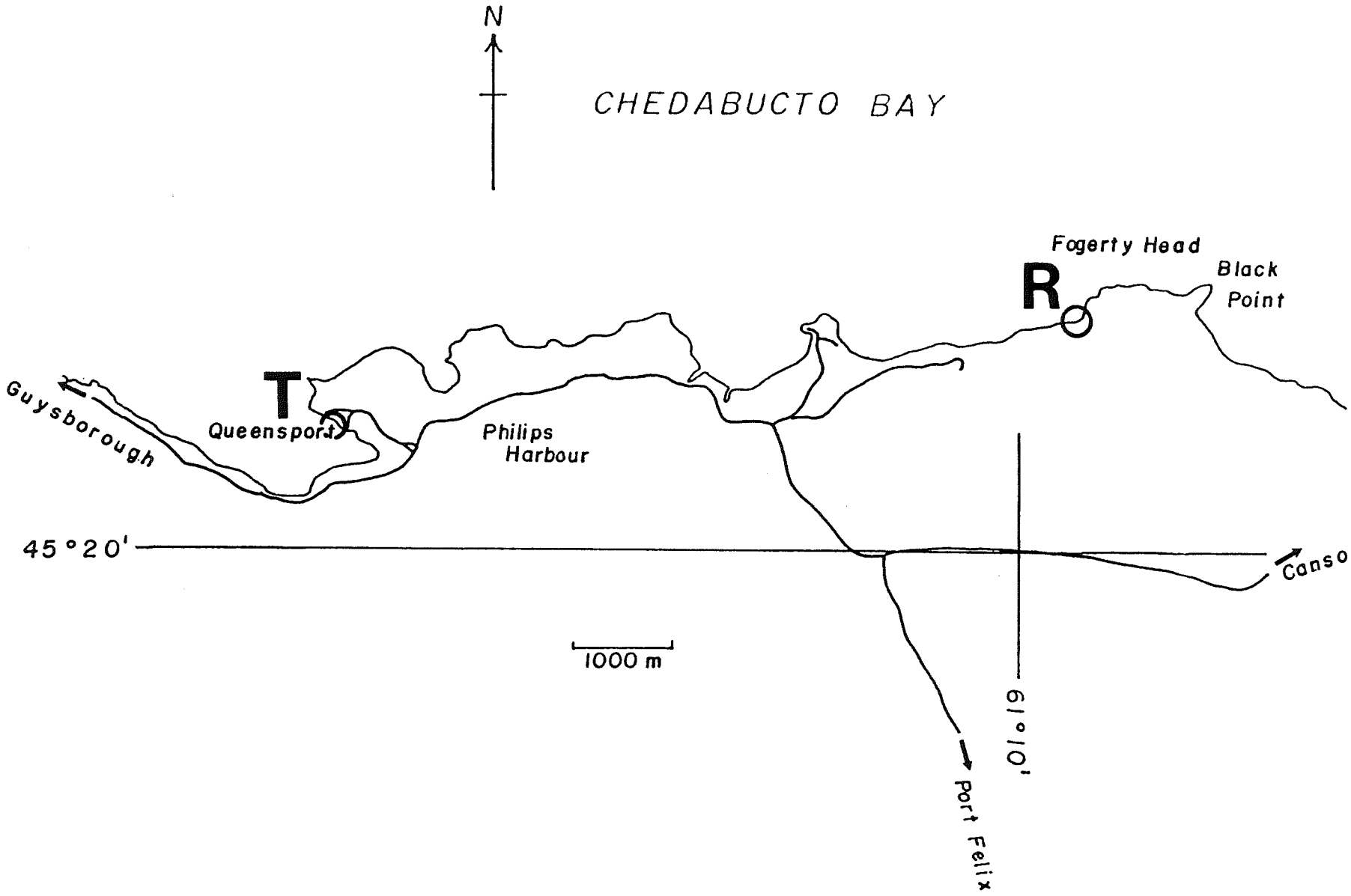


Figure 68: Location map for the Canso area, Guysborough County. The Fogerty Head shore section is indicated at R on the map. The Queensport shore section is indicated at T on the map. the Lundy Road outcrop is not shown.

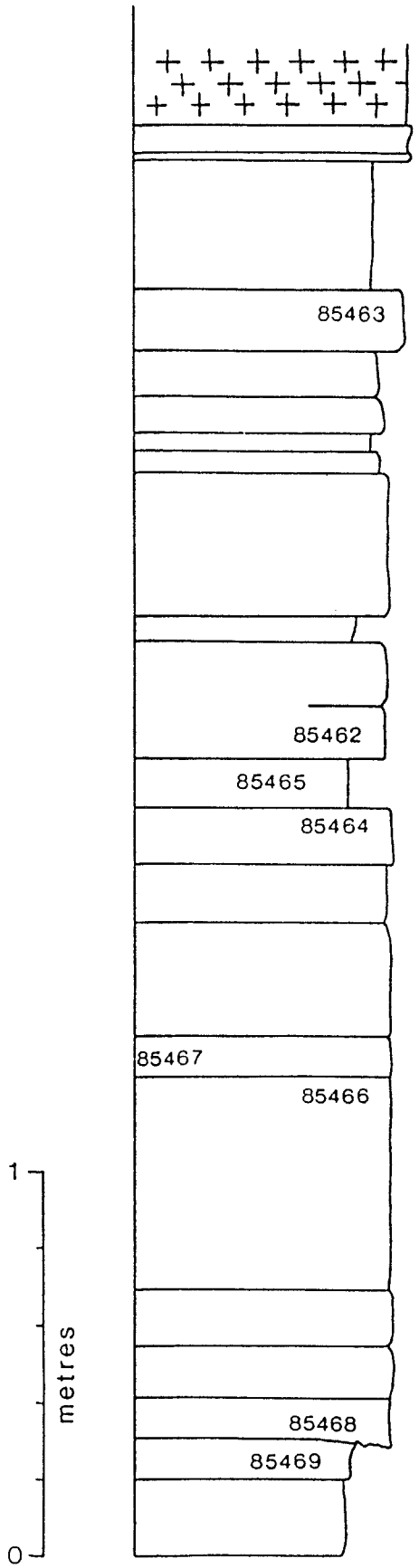
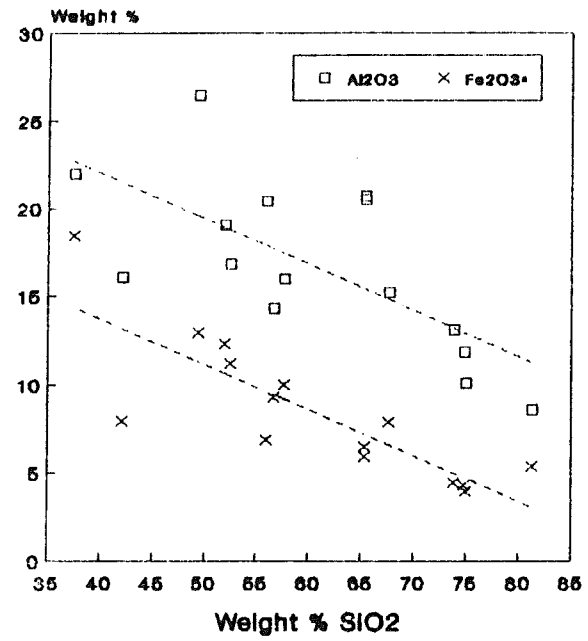
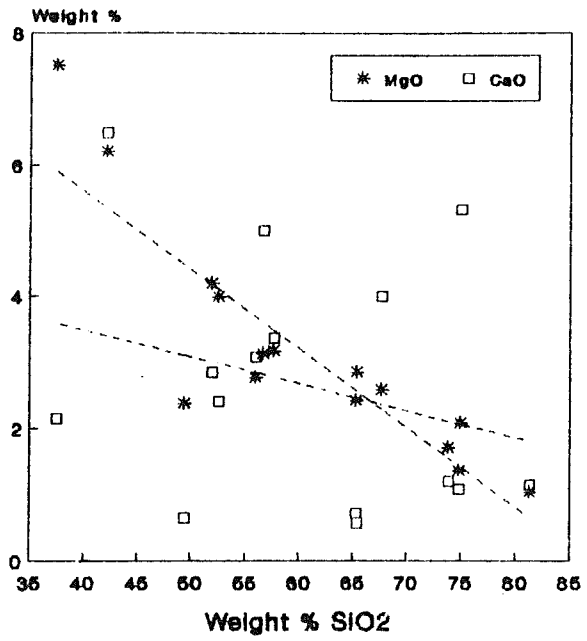
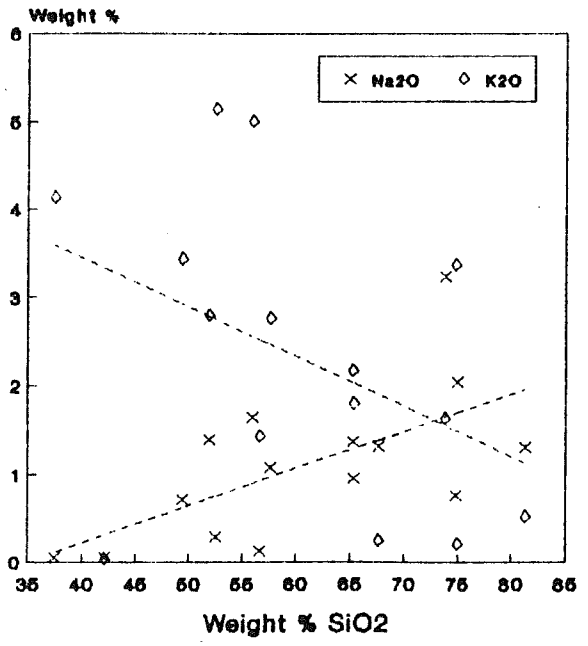


Figure 69: Sample section for the Fogerty Head shore section, Guysborough County. The patterned unit is a granitic intrusion.







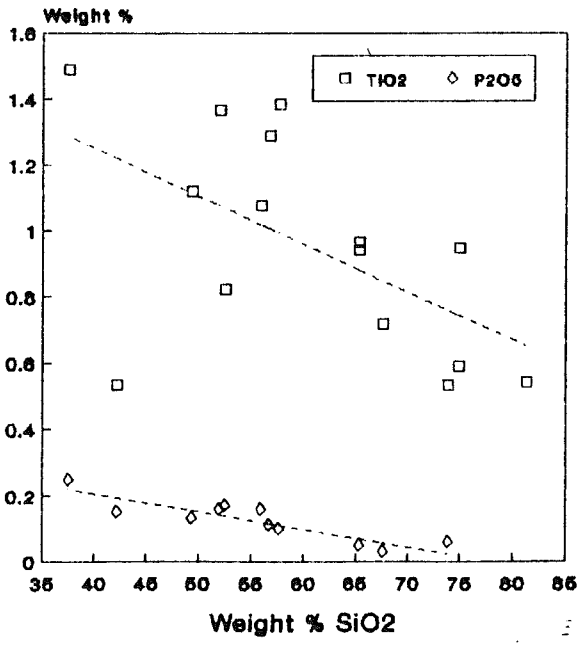


Figure 70: Canso area, Guysborough County (Fogerty Head shore section, Moshers Island Member coticule beds and argillites; Queensport shore section, Cunard Member black slates; Lundy Road outcrop, Halifax Formation) - major element Harker variation diagrams.

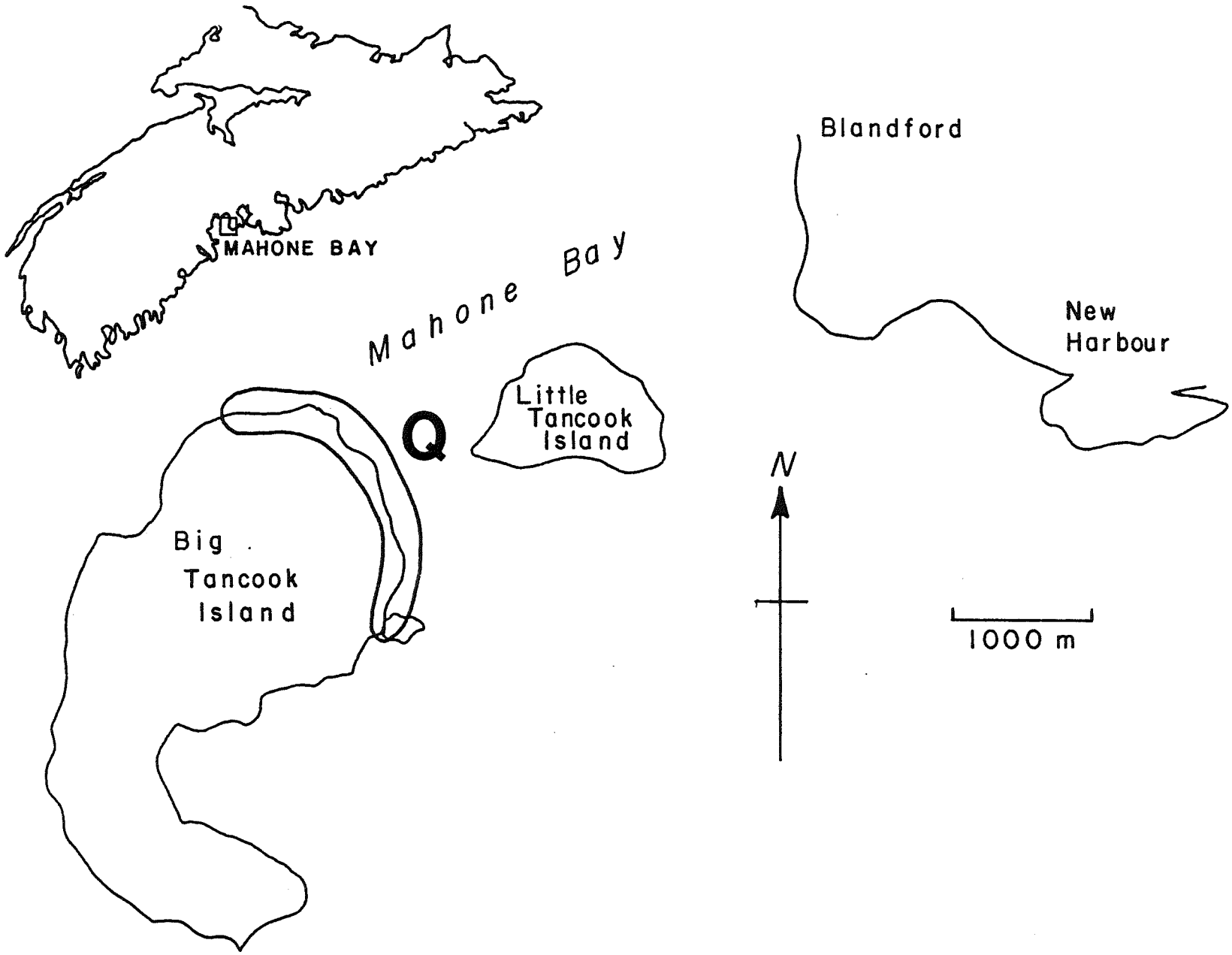


Figure 71: Location map for the Tancook Island shore section, Mahone Bay, Lunenburg County (after Waldron and Graves, 1987).

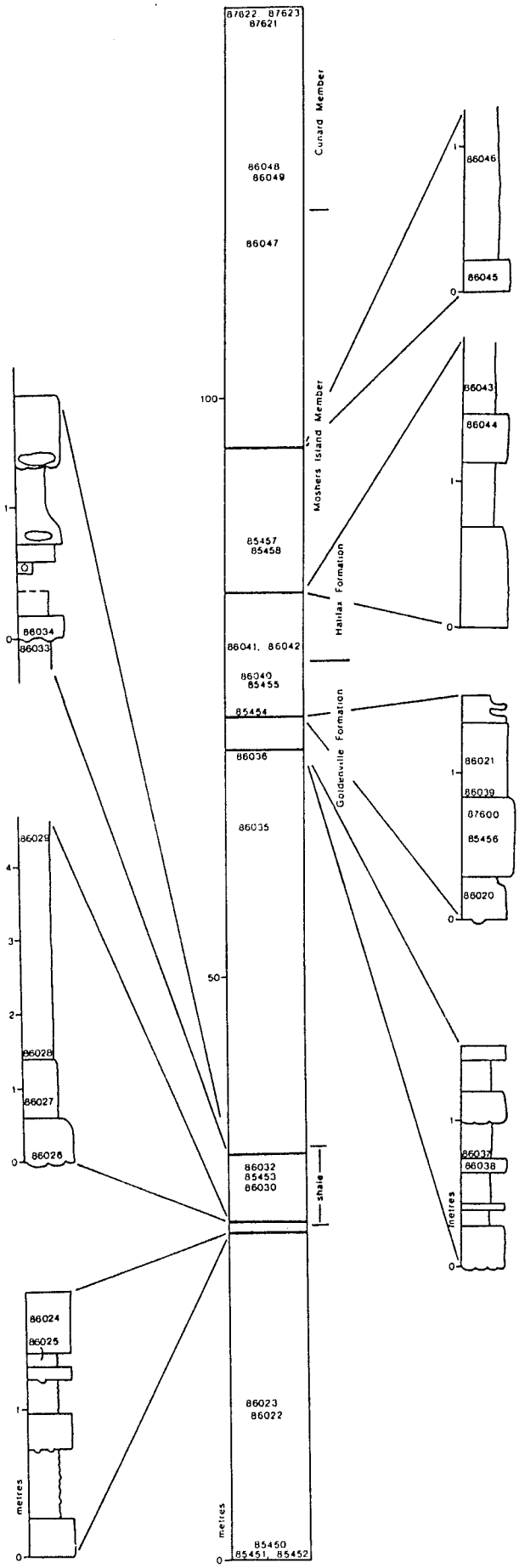


Figure 72: Sample section for the Tancook Island shore section, Mahone Bay, Lunenburg County.

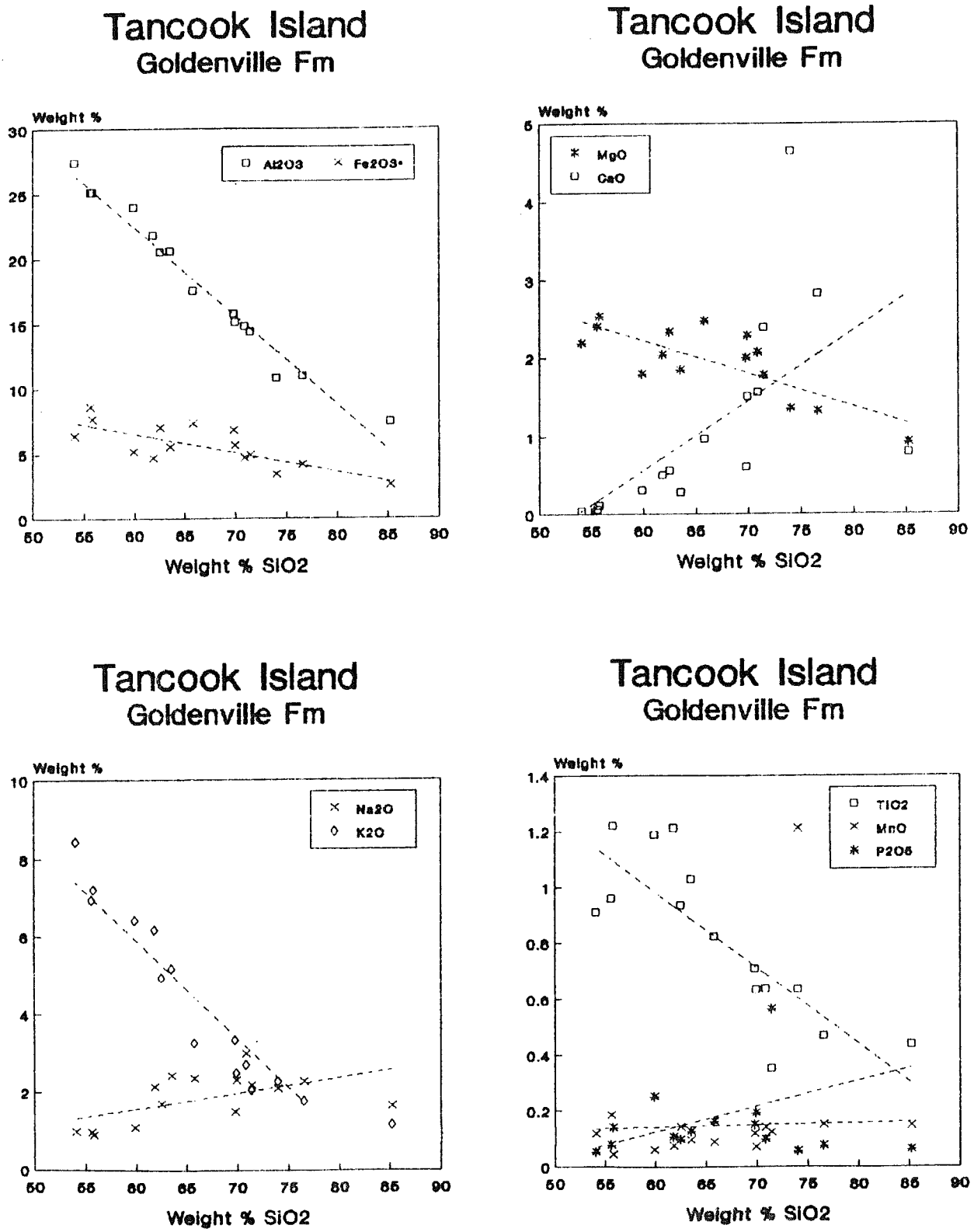


Figure 73: Tancook Island shore section, Mahone Bay, Lunenburg County, Tancook Member, upper Goldenville Formation greywackes - major element Harker variation diagrams.

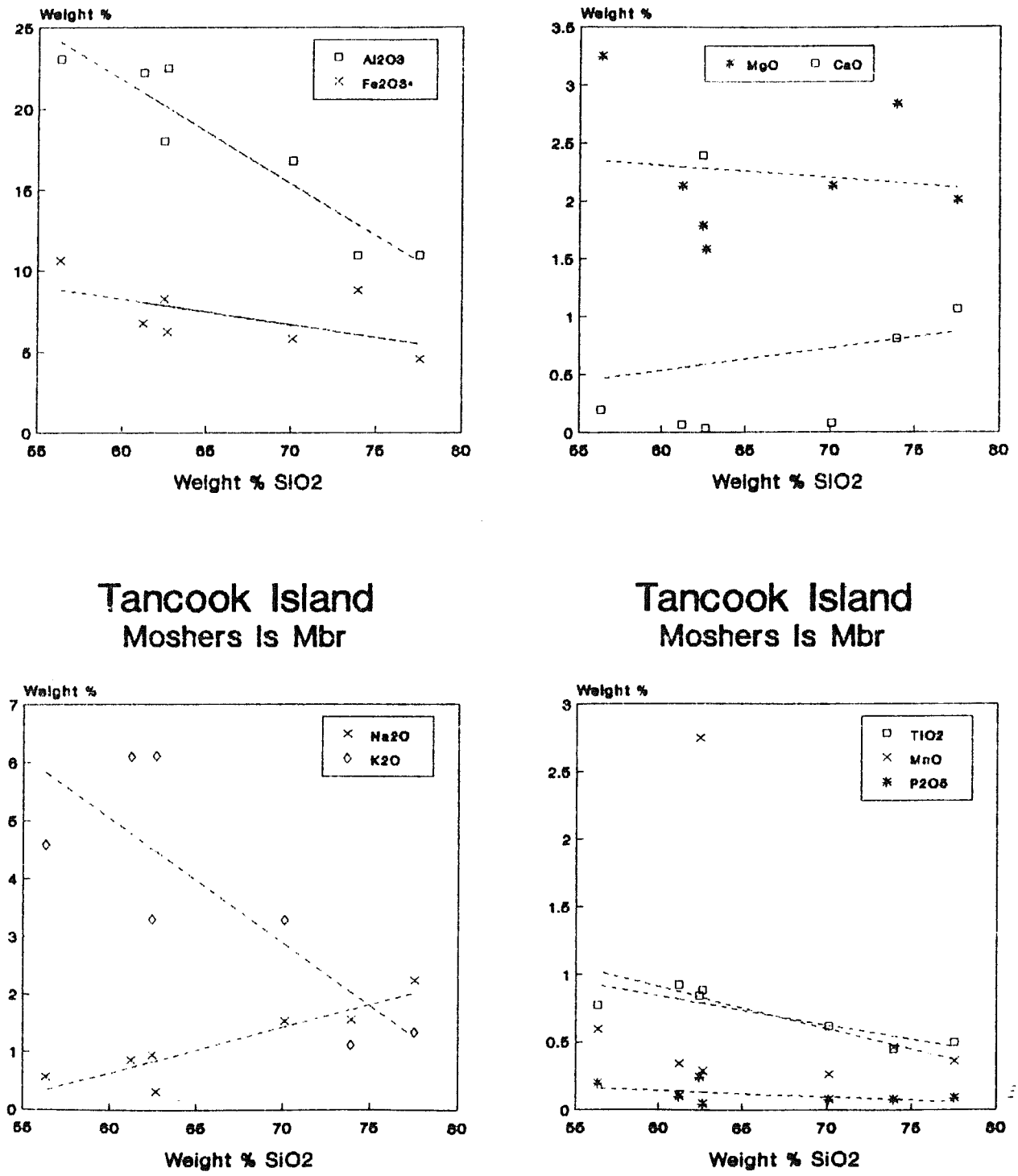


Figure 74: Tancook Island shore section, Mahone Bay, Lunenburg County, Moshers Island Member argillites, Halifax Formation - major element Harker variation diagrams.

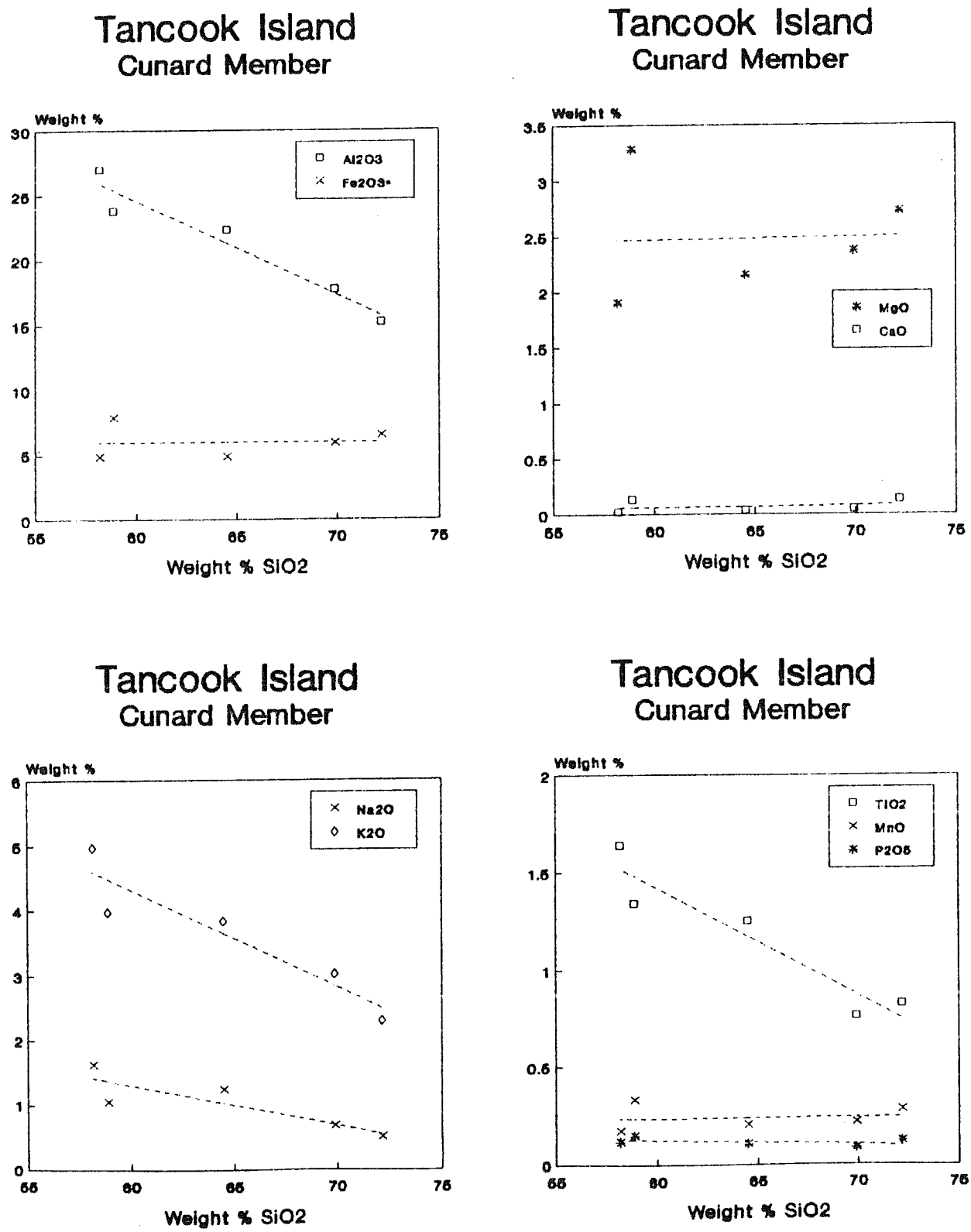


Figure 75: Tancook Island shore section, Mahone Bay, Lunenburg County, Cunard Member metasiltstones and black slates, Halifax Formation - major element Harker variation diagrams.

GEOCHEMICAL CHARACTERIZATION OF THE GOLDENVILLE FORMATION - HALIFAX FORMATION TRANSITION ZONE OF THE MEGUME GROUP, NOVA SCOTIA

PART 2

DATA TABLES AND SAMPLE DESCRIPTIONS

M.C. Graves and M. Zentilli

Legend to Data Tables

1. Major elements reported in percentages as oxides

2. Major elements reported volatile-free. Raw data table available upon request from the authors.

3. Major elements determined by Dalhousie University Department of Geology, Halifax, NS by
   a. atomic absorption analyses
   b. electron microprobe fusion analyses (100 samples with prefix 85xxx)
   c. P_2O_5 determined by colorimetric titration
   d. TiO_2 determined by atomic absorption and XRF - XRF results only are reported (AA analyses rejected).
   e. Total Fe reported as Fe_2O_3%; FeO determined by wet chemistry; Fe_2O_3 determined by subtraction.

4. Trace elements (Ba, Rb, Sr, Y, Zr, Nb, Pb, Ga, Zn, Cu, Ni, V, and Cr) determined by XRF analyses at the Regional XRF Centre at St. Mary's University, Halifax, NS. XRF data in ppm and reported as delivered.

5. Trace elements (Sc, Co, As, Mo, Sb, Cs, La, Sm, Tb, Yb, Lu, Hf, Ta, W, Th, U - all reported as ppm; Au - as ppb) and Na and Fe (both in terms of percentages) analysed by instrumental neutron activation by Bondar Clegg and Associates, Ltd, Ottawa, Ontario.
   a. The analytical package changed several times during the analytical programme. It is attempted to present meaningful results only.
   b. W, Co, and Ta (all in terms of ppm) are only reported if the sample was powdered by hand in agate.

6. S, CO_2, and total C (all in terms of percentages) determined by Leco titrators at Dalhousie University Department of Geology. C determined by subtraction and reported in terms of CO_2.

7. All 1985 samples prepared and powdered by the same hand in the same facilities at Dalhousie University Department of Geology. All 1986 samples prepared in the same facilities by another hand. Aliquots of the same powder split and sent to each lab except for 150 INAA samples crushed and powdered by hand in an agate mortar.

UNIT AND LITHOLOGY CODES

Code	Unit	lithology
1	Goldenville Fm	slate
2	upper Goldenville Fm	siltstone
3	Rissers Beach Member, Goldenville Fm	wacke
4	Moshers Island Member, Halifax Fm	argillite
5	Cunard Member, Halifax Fm	other
6		concretion
7		coticule
8		quartz vein
9		limestone
10		shelly bed

Bells Cove, Dublin Shore, Lunenburg County,
Mosher Island Member

	SiO_2	Al_2O_3	Fe_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	B	CO_2	C	Ba	Rb	Sr	Y	Zr
85011	61.45	19.30	6.47			1.00	0.66	2.02	3.50	1.30	4.05	0.25				1671	123	131	32	194
85012	56.34	18.76	12.07			2.31	0.76	1.52	2.30	1.09	4.66	0.19				1430	87	92	38	176
85013	62.54	19.38	5.89			0.09	0.53	1.97	3.42	1.42	4.62	0.14				1832	127	128	32	202
85014	52.48	15.32	14.82			2.94	1.82	0.78	0.35	1.04	10.26	0.19				277	18	53	26	169
85015	59.45	16.31	11.25			2.12	1.01	1.47	1.53	1.13	5.63	0.09				968	59	82	38	181
85016	63.29	20.87	4.71			0.98	0.09	2.20	4.51	1.17	2.06	0.11				2396	172	154	32	206
85020	42.96	19.63	18.25			3.65	3.21	0.10	1.35	1.23	8.53	1.09				564	51	69	43	155
85021	51.25	18.66		2.03	14.28	3.54	1.14	0.10	1.49	1.33	6.02	0.17	0.63	0.01	0.05	674	55	35	77	180
85022	51.91	19.45		0.36	13.96	3.38	1.35	0.11	1.73	1.26	6.26	0.23	0.45	0.11	0.06	751	62	45	26	174
85023	55.37	16.38		1.45	8.33	1.98	4.45	0.14	1.73	1.13	8.85	0.17	0.03	2.59	.00	778	64	90	29	162
85024	32.35	11.97		5.56	3.85	1.96	28.29	0.17	1.56	0.71	13.21	0.36	0.08	18.29	0.45	561	43	353	32	108
85025	48.49	17.37		2.75	13.89	3.67	1.65	0.04	0.56	1.15	10.29	0.14	0.17	0.33	0.04	301	26	29	24	140
85026	58.58	19.32		0.69	6.46	1.70	4.37	0.27	3.86	1.24	3.30	0.21	0.00	0.11	0.02	1383	124	135	31	179
85027	61.32	20.81		0.55	6.90	1.81	0.35	0.26	4.12	1.08	2.65	0.15	0.00	0.11	0.03	1606	140	89	31	181
85028	59.74	18.13		0.53	9.18	2.02	1.20	0.17	2.68	1.10	5.12	0.14	0.24	0.27	0.01	1133	97	61	29	173
85029	61.84	17.50		0.06	8.17	1.98	2.67	0.20	2.92	0.99	3.51	0.17	0.08	1.18	0.01	1193	105	85	25	167
85035	58.14	15.96	8.73			0.75	1.99	0.09	1.29	1.13	11.84	0.10				584	52	29	50	151
85090	51.27	19.34	17.24			4.53	0.97	0.12	1.62	0.94	3.64	0.34				775	62	42	31	155
85091	64.28	19.91	7.53			1.70	0.07	0.29	4.13	1.00	0.99	0.11				1535	148	86	19	164
85092	63.21	19.63	7.90			1.66	0.20	0.27	3.87	1.17	1.96	0.13				1498	139	81	31	179
85093	60.12	14.91	7.50			0.55	1.70	0.13	1.45	0.87	12.70	0.08				674	60	31	57	134
85094	63.20	18.55	9.60			2.27	0.29	0.24	3.37	1.15	1.14	0.19				1416	121	72	22	186
85095	60.31	20.25		0.44	9.14	2.61	0.34	0.24	3.42	1.07	2.04	0.14	0.00	0.00	0.01	1494	125	73	24	186
85096	61.89	14.08		1.67	7.48	1.47	1.17	0.15	1.25	0.93	9.76	0.14	0.05	0.00	0.08	614	53	27	46	147
85097	60.44	18.99		0.26	9.45	2.68	0.75	0.20	2.85	1.11	2.98	0.29	.00	0.00	0.03	1261	103	62	36	195
85098	52.30	22.60		0.72	11.18	3.10	0.75	0.24	3.31	1.05	4.61	0.14	0.03	0.00	0.08	1538	120	71	30	167
85100	60.37	17.73		0.16	11.82	3.34	0.50	0.16	2.19	1.09	2.47	0.15	0.01	0.00	0.07	1019	84	48	37	182
85101	57.72	15.35		1.33	6.62	0.48	2.29	0.07	0.85	0.99	14.24	0.07	0.14	0.00	0.28	381	33	16	48	144
85102	62.26	19.13		0.79	6.77	1.78	0.76	0.22	3.28	1.09	3.70	0.22	.00	0.00	0.05	1501	121	72	26	174
85103	57.83	16.00		1.64	6.08	0.82	1.88	0.09	1.39	0.97	13.21	0.09	0.07	0.00	0.33	695	62	32	45	147
85104	59.43	20.98		0.00	9.63	2.89	0.42	0.47	3.41	0.99	1.58	0.19	0.03	0.00	0.03	1512	122	75	26	174
85105	55.34	18.12		0.39	14.65	4.02	0.76	0.28	1.60	1.01	3.60	0.22	0.12	0.00	0.04	752	59	39	32	153
85106	58.13	21.18		0.04	9.78	2.81	0.48	0.50	3.59	1.17	2.12	0.20	0.02	0.00	0.01	1586	124	76	32	184
85107	56.92	20.59		0.21	11.60	3.35	0.52	0.65	2.96	0.96	2.06	0.18	0.05	0.00	0.04	1412	105	69	29	169
85108	57.78	21.02		0.98	8.09	2.41	0.67	0.93	3.38	1.16	3.40	0.18	0.01	0.00	0.07	1563	121	82	32	185
85109	59.43	20.41		0.79	8.36	2.88	0.53	0.98	3.43	1.07	1.86	0.26	.00	0.00	0.05	1626	118	88	30	188
85110	59.49	20.96		0.90	8.02	2.40	0.50	1.21	3.48	1.17	1.63	0.24	.00	0.00	0.03	1645	123	92	37	193
85111	50.50	12.04		1.36	6.18	1.08	15.03	0.05	0.87	0.63	12.11	0.15	0.01	11.12	1.16	409	27	207	50	124
85113	60.24	20.05		0.04	8.96	2.60	0.51	1.23	3.15	1.08	1.93	0.20	0.02	0.00	0.05	1561	108	89	32	180
85114	60.74	17.57		1.44	8.35	1.59	0.78	1.02	2.66	0.97	4.73	0.16	1.73	0.00	0.08	1314	96	73	51	185
85115	62.10	18.70		1.30	6.61	1.76	0.59	1.15	3.18	1.13	3.29	0.19	0.25	0.00	0.08	1533	111	87	41	191
85116	59.33	21.02		0.00	8.99	2.54	0.41	1.30	3.49	1.06	1.71	0.16	0.03	0.00	0.10	1691	121	95	34	178
85120	64.50	17.41		5.31	2.48	1.82	0.98	1.63	2.95	1.00	1.75	0.18	0.04	0.38	0.13	1457	105	106	32	178
85121	60.42	19.29		0.79	7.89	2.31	1.53	1.50	3.10	1.09	1.89	0.20	0.04	1.21	0.06	1473	106	107	33	184
85122	64.47	17.20		2.29	5.24	1.52	0.49	1.02	2.91	0.99	3.73	0.15	0.01	0.00	0.19	1419	108	91	121	165
85123	62.78	20.06		1.08	6.56	1.86	0.21	0.84	3.74	1.12	1.59	0.15	0.01	0.00	0.07	1830	134	85	39	175
85125	57.23	22.22		0.00	9.93	3.12	0.33	1.45	3.26	1.03	1.26	0.17	0.01	0.00	0.02	1644	110	96	25	160

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	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Se	Br	Mo	Cd	Sb	Cs	La	Ce	Sm
85011	19	16	27	42	14	33	233	99	1.30		3.9		61.1					0.6		32		
85012	17	10	26	103	29	51	125	126	1.10		7.7		19.0					0.6		17		
85013	20	11	26	44	12	36	345	108	1.30		3.2		13.0			3		0.4		35		
85014	17	28	21	183	30	58	85	96	0.63		10.0		58.4					0.3		50		
85015	17	15	24	117	35	41	117	109	1.00		6.8		37.0					0.4		29		
85016	20	69	31	37	93	41	340	112	1.50		2.6		63.5			29		0.7		26		
85020	12	9	24	166	47	116	183	114	0.15		12.0		271.0					1.0		85		
85021	16	9	30	163	73	114	183	135	0.17		12.0		189.0					0.6		14		
85022	17	4	26	160	39	88	194	126	0.16		10.0		168.0					0.7		71		
85023	15	9	21	80	16	42	154	115	0.15		6.6		90.8			2		0.4		34		
85024	10	9	15	50	21	34	69	41	0.13		5.0		58.9					0.3		37		
85025	14	9	27	171	52	46	168	108	0.12		12.0		91.7					0.7		55		
85026	15	15	27	65	16	55	165	114	0.23		4.8		81.0					0.4		33		
85027	17	10	31	71	10	45	208	125	0.25		5.5		89.2					0.3		33		
85028	15	21	29	89	38	68	201	121	0.17		6.6		109.0					0.6		45		
85029	15	23	23	88	20	47	181	115	0.20		6.0		132.0					0.3		42		
85035	16	81	16	30	40	23	204	104	0.12		5.9		446.0					0.9		47		
85090	13	29	27	176	23	51	232	127	0.16	19.0	12.0	21	84.8					0.6	3.0	31	24	2.9
85091	15	24	28	66	11	23	288	119	0.25	26.5	4.6	18	5.4		2.1	4		0.2	7.9	10	57	4.5
85092	17	330	25	67	17	21	297	145	0.24	30.1	4.9	36	260.0		2.9	15		1.0	8.4	22	57	4.8
85093	12	148	17	27	36	25	176	91	0.12	20.9	4.9	80	258.0			70		0.8	2.9	23	48	5.0
85094	17	21	26	94	52	38	260	138	0.25	22.9	6.4	28	66.8			2		0.4	5.9	25	51	4.4
85095	17	20	27	108	14	40	242	131	0.23	29.3	6.9	15	25.0			1		0.3	7.1	17	36	3.3
85096	21	121	17	79	93	34	177	100	0.10		6.8		382.0			7		1.4		25		
85097	16	10	29	110	17	45	189	166	0.21		7.6		14.0					0.2		37		
85098	13	14	32	151	18	60	197	124	0.24		9.1		153.0					0.4		22		
85100	17	19	27	147	20	41	223	129	0.16		8.5		39.0					0.3		24		
85101	15	290	11	26	65	43	154	92	0.09		5.6		443.0			23		0.8		25		
85102	18	17	25	76	12	29	252	118	0.20		5.1		1.5			1	3	0.2		17		
85103	14	267	14	42	81	35	187	94	0.13		6.2		384.0			10		0.8		65		
85104	17	8	29	123	18	38	181	118	0.41		7.8		50.0					0.3		9		
85105	14	16	23	177	42	61	125	120	0.27		11.0		52.2					0.6		32		
85106	17	15	28	120	14	54	184	153	0.40		7.5		93.4					0.6		53		
85107	15	12	31	148	25	60	190	119	0.52		8.8		70.9				3	0.9		28		
85108	19	20	28	101	18	48	210	129	0.67		6.4		44.0					0.3		24		
85109	18	33	26	146	48	81	252	119	0.76	22.4	7.8	36	26.0					0.5	5.3	52	33	2.8
85110	18	19	30	96	9	50	173	129	0.80		5.9		53.5					0.6		44		
85111	11	26	8	49	10	28	69	60	0.38	15.0	5.2	31	62.1					0.2	2.1	34	70	6.5
85113	17	14	28	130	19	56	178	116	0.88	22.1	7.0	36	45.0			1		0.3	5.4	39	74	5.4
85114	18	755	16	85	478	58	187	120	0.65		7.1		199.0			9		1.4		13		
85115	19	170	22	119	462	73	218	123	0.92		6.8		433.0			1		2.0		27		
85116	18	18	28	138	21	66	176	122	0.87		6.7		53.9					0.3		60		
85120	19	16	21	93	17	50	149	114	1.00		4.9		62.3					0.3		34		
85121	20	12	26	114	23	58	146	113	0.94		5.7		57.0					0.5		40		
85122	17	540	17	90	100	81	205	108	0.73		5.3		527.0	6		25		1.4		190		
85123	17	204	24	88	40	41	237	133	0.65		5.8		165.0			82		0.7		20		
85125	16	13	29	153	30	65	216	123	1.20		10.0		40.0					4.2		55		

Balls Cove, Dublin Shore, Lunenburg County,
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	Eu	Tb	Yb	Lu	Hf	Ta	W	Au	Th	U	unit	lith
85011					11				11.0	2.4	4	4
85012					8				10.0	1.8	4	4
85013					12				12.0	3.7	4	4
85014					10				8.7	1.0	4	4
85015					11				11.0	1.8	4	4
85016					8			46	12.0	7.8	4	4
85020					6				10.0	2.2	4	1
85021					7			3	10.0	2.3	4	4
85022					9				10.0	2.0	4	5
85023					14				8.3	2.4	4	4
85024					6				5.6	1.4	4	4
85025					7				8.4	1.9	4	4
85026					8				8.6	2.1	4	4
85027					7				10.0	2.2	4	4
85028					6			4	10.0	2.2	4	4
85029					6				9.5	2.1	4	4
85035					14			13	11.0	18.0	4	4
85090		0.9	3	0.5	5	1.1	2		9.3	3.1	4	4
85091		0.9	3	0.6	6	1.3	6	3	10.0	5.1	4	4
85092	2	1.3	3	1.0	7	1.8	5	26	10.0	17.0	4	4
85093	3	1.9	6	1.0	11	2.8	5	26	10.0	10.0	4	4
85094		0.9	3	0.5	7	1.5	6		11.0	5.3	4	4
85095		0.8	3	0.6	6	1.4	4		12.0	2.5	4	4
85096					7			29	7.1	1.9	4	4
85097					7				11.0	2.4	4	4
85098					6				8.2	1.9	4	4
85100					7				8.8	3.6	4	6
85101					10			8	8.9	17.0	4	4
85102					6				8.8	3.7	4	4
85103					10			9	13.0	9.4	4	4
85104					6				9.0	1.8	4	4
85105					7				9.3	1.5	4	4
85106					7				13.0	2.0	4	4
85107					6				10.0	1.8	4	4
85108					7				11.0	2.2	4	4
85109		0.8	3	0.5	6	1.4	3	2	11.0	3.9	4	4
85110					6			5	12.0	2.0	4	4
85111	2	1.7	4	0.6	4	1.5	2	8	6.3	1.3	4	4
85113		1.1	3	0.6	6	1.4	2		11.0	2.0	4	4
85114					7			19	9.4	3.2	4	4
85115					6			38	13.0	4.2	4	4
85116					5			3	12.0	2.1	4	4
85121					5			8	10.0	2.0	4	4
85122					5				10.0	1.8	4	4
85124					5			67	22.0	9.0	4	4
85124					5			17	10.0	5.6	4	4
85125					6			8	13.0	3.5	4	4

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	SiO_2	Al_2O_3	Fe_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb
argillites																					
mean	58.61	19.52	9.75	0.61	9.65	2.43	0.88	0.74	2.95	1.11	3.48	0.18	0.07	0.16	0.04	1357	106	82	32	177	17
stdev	3.99	1.60	3.86	0.68	2.33	0.91	0.85	0.65	1.00	0.11	2.26	0.05	0.14	0.36	0.02	438	34	29	10	14	2
n	30	30	10	20	20	30	30	30	30	30	30	30	20	20	20	30	30	30	30	30	30
crusts																					
mean	57.71	16.29	8.11	2.10	6.34	1.47	4.31	0.54	2.09	0.97	8.06	0.16	0.20	2.70	0.24	991	76	94	48	157	16
stdev	7.90	2.47	0.62	1.53	1.73	0.64	7.58	0.52	0.97	0.15	4.78	0.07	0.47	5.61	0.30	489	33	86	22	24	3
n	14	14	2	12	12	14	14	14	14	14	14	14	12	12	12	14	14	14	14	14	14
concretions																					
	60.37	17.73		0.16	11.82	3.34	0.50	0.16	2.19	1.09	2.47	0.15	10.01	0.00	0.07	1019	84	48	37	182	17
joint coating																					
	51.91	19.45		0.36	13.96	3.38	1.35	0.11	1.73	1.26	6.26	0.23	10.45	0.11	0.06	751	62	45	26	174	17
Cunard slate																					
	42.96	19.63	18.25			3.65	3.21	0.10	1.35	1.23	8.53	1.09	1			564	51	69	43	155	12

	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Se	Br	Mo	Cd	Sb	Cs	La	Ce	Sm
argillites																					
mean	28	27	111	27	50	203	123	0.56	25.0	7.2	26	70.5		2.5	7.0	3.0	0.6	6.3	33	50	4.2
stdev	57	3	41	19	17	60	14	0.42	4.0	2.5	8	54.5		0.4	9.4	0.0	0.7	1.8	14	16	0.9
n	30	30	30	30	30	30	30	30	6	30	6	30		2	8	2	30	6	30	6	6
crusts																					
mean	191	18	72	108	46	174	101	0.42	19.4	6.0	49	252.7			25.4		0.9	3.4	45	50	4.8
stdev	211	5	35	150	19	52	24	0.33	3.2	0.9	22	171.9			28.3		0.5	1.4	42	15	1.5
n	14	14	14	14	14	14	14	14	3	14	3	14	1	0	9	0	14	3	14	3	3
concretions																					
	19	27	147	20	41	223	129	0.16		8.5		39.0					0.3		24		
joint coating																					
	4	26	160	39	88	194	126	0.16		10.0		168.0					0.7		71		
Cunard slate																					
	9	24	166	47	116	183	114	0.15		12.0		271.0					1.0		85		

	Eu	Tb	Yb	Lu	Hf	Ta	W	Au	Th	U
argillites										
mean	2.0	1.0	3.0	0.6	7.1	1.4	4.2	12.3	10.4	3.1
stdev		0.2	0.0	0.2	1.7	0.2	1.7	14.7	1.3	2.9
n	1	6	6	6	30	6	6	8	30	30
crusts										
mean	2.5	1.5	4.3	0.7	7.9	1.9	3.3	20.3	10.4	6.4
stdev	0.5	0.5	1.2	0.2	3.2	0.6	1.2	17.3	3.9	5.4
n	2	3	3	3	14	3	3	12	14	14
concretion										
					7				8.8	3.6
joint coating										
					9				10.0	2.0
Cunard slate										
					6				10.0	2.2

Bells Cove, Dublin Shore, Lunenburg County,
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	description
85011	argillite
85012	argillite
85013	argillite
85014	argillite
85015	argillite
85016	argillite
85020	silty sl; Cunard slate
85021	argillite
85022	jt coatings
85023	Mn-argillite interbed
85024	Mn-argillite interbed
85025	argillite
85026	lam argillite w/py
85027	argillite
85028	argillite
85029	argillite
85035	Mn-argillite interbed
85090	argillite
85091	argillite
85092	massive blk argillite
85093	crenulated argillite
85094	argillite
85095	argillite
85096	crenulated argillite
85097	argillite
85098	argillite
85100	concretions
85101	crenulated argillite w/sulphs
85102	argillite (footwall to 850101)
85103	Mn-argillite interbed
85104	argillite
85105	argillite
85106	argillite
85107	parallel-lam argillite
85108	dense hanging wall argillite to 850109
85109	parallel-lam Mn-argillite
85110	footwall argillite to 850109
85111	argillite interbed
85113	argillite
85114	parallel-lam argillite (oxidized)
85115	parallel-lam argillite
85116	argillite
85120	parallel-lam argillite interbed
85121	argillite
85122	parallel-lam argillite (top 1/2)
85123	parallel-lam argillite (bottom 1/2)
85125	argillite

Bells Cove, Dublin Shore, Lunenburg County

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb
85180	72.42	15.19	0.00	5.51	2.46	0.05	1.26	2.04	0.82	0.24	0.02	3.69	0.00	0.14	539	76	113	34	155	13	24
85181	75.12	13.30	0.00	5.63	2.18	0.09	0.95	1.74	0.73	0.21	0.04	2.24	0.00	0.08	459	66	94	25	180	12	26
85182	64.30	21.55	0.64	4.71	2.51	0.04	1.42	3.23	1.22	0.25	0.12	0.05	0.06	0.55	820	125	233	33	150	19	19
85183	61.20	24.53	0.20	4.36	2.49	0.10	1.82	3.67	1.29	0.25	0.09	0.03	0.00	0.74	921	145	201	35	173	19	20

	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Br	Mo	Sb	Cs	La	Ce	Sm	Tb	Yb	Lu	Hf
85180	22	144	59	26	107	67	0.89	13.0	6.9	82	64.1	2.4	4	7.0	5.8	3	8	1.1	1.0	3	0.6	5
85181	18	123	31	23	84	66	0.68	10.0	5.1		20.0		2	1.5	5.2	7	9	0.9	0.8	3	0.5	5
85182	28	92	1	11	171	138	1.10	21.3	4.0	9			6	0.8	8.6	7	15	1.5	0.8	4	0.6	5
85183	27	77	5	12	194	137	1.30	24.2	4.0	12			3	0.7	11.0	14	25	2.4	0.9	4	0.6	5

	Ta	W	Au	Th	U
85180	1.7	2	5	7.1	3.0
85181			2	7.4	2.4
85182	1.4	2	2	11.0	3.6
85183	1.3	2		11.0	3.4

	description	unit	lith
85180	siltstone; pyritiferous	5	2
85181	siltstone; pyritiferous	5	2
85182	parallel-lam slatey siltst	5	1
85183	slate	5	1

Blockhouse Drillcore BH-9, Lunenburg County
Moshers Island Member, Halifax Formation

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb
87500	57.37	20.72	1.39	8.39	2.56	1.64	0.74	3.95	0.61	2.50	0.14	0.75	1.03	0.00							
87504	55.35	20.75	2.22	9.56	3.25	1.52	0.55	4.09	0.63	1.92	0.15	1.10	1.22	0.00	717	149	145	28	112	14	5
87505	54.18	20.66	2.24	9.02	2.65	3.20	0.74	3.82	0.54	2.76	0.19	1.37	1.49	0.00							
87506	57.10	21.33	1.44	8.21	2.80	0.61	0.77	4.39	0.75	2.48	0.11	0.53	0.39	0.00	790	161	134	17	118	13	
87507	55.06	19.31	4.27	6.17	2.10	5.57	0.71	4.42	0.50	1.78	0.11	1.48	3.82	0.00							
87509	54.50	15.73	0.82	2.86	1.39	15.91	1.46	3.45	0.37	3.45	0.06	0.41	10.97	0.00	532	109	524	42	148	9	7
87510	60.29	20.96	1.99	6.33	2.39	0.39	0.95	4.71	0.68	1.19	0.09	0.92	0.23	0.03	787	173	150	24	118	12	29
87511	57.06	21.18	2.24	6.13	2.05	2.92	0.86	4.77	0.61	2.07	0.09	0.97	2.12	0.00							
87512	51.05	20.94	3.12	6.35	2.40	5.96	0.70	4.66	0.64	4.06	0.12	1.50	4.57	0.00	764	165	275	39	109	14	45
87514	53.65	23.62	1.87	7.04	2.39	1.25	0.08	5.37	0.71	3.89	0.13	0.93	1.63	0.00							
87515	61.37	21.55	3.20	3.78	1.91	0.19	1.00	5.62	0.65	0.66	0.06	1.48	0.42	0.00	833	203	174	26	122	13	28
87517	55.52	21.61	2.74	4.60	2.11	4.65	0.90	5.25	0.57	1.97	0.09	1.32	3.90	0.00							
87518	53.53	20.34	3.20	4.37	1.86	7.46	0.90	5.02	0.58	2.64	0.11	1.94	7.04	0.00							
87519	59.59	21.40	3.76	5.00	2.42	0.25	0.89	5.21	0.69	0.70	0.08	1.84	0.31	0.01	804	190	165	28	115	14	15
87520	56.87	21.44	2.90	7.47	3.12	0.84	1.06	4.34	0.64	1.19	0.12	1.62	0.74	0.00							
87521	48.87	21.85	3.94	5.59	2.19	7.87	0.85	5.19	0.61	2.95	0.10	1.85	5.27	0.00							
87522	62.94	14.92	1.04	6.45	2.23	5.66	1.30	2.44	0.51	2.45	0.08	0.59	5.18	0.00							
87523	55.54	19.73	1.71	6.36	2.32	5.04	0.60	4.21	0.64	3.72	0.13	0.79	3.45	0.00	686	149	243	31	103	12	40
87524	57.41	20.54	1.42	8.33	3.01	0.57	0.66	3.92	0.75	3.28	0.12	0.56	0.17	0.02	660	144	123	29	115	13	1
87525	57.34	21.03	2.57	6.81	2.45	1.04	0.81	4.38	0.70	2.76	0.09	1.16	0.60	0.00	774	164	154	30	117	12	18
mean	56.23	20.48	2.40	6.44	2.38	3.63	0.83	4.46	0.62	2.42	0.11	1.16	2.73	.00	735	161	209	29	118	13	21
stdev	3.24	1.92	0.95	1.72	0.43	3.75	0.28	0.73	0.09	0.97	0.03	0.46	2.75	0.01	85	25	115	7	11	1	15
n	20	20	20	20	20	20	20	20	20	20	20	20	20	20	10	10	10	10	10	10	9

	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Mo	Sb	Cs	La	Ce	Sm	Tb	Lu	Hf	Ta	W	Au	Th	U	unit	lith
87500							0.59	18.0	8.4	37	25.0		1.1	10.0	37	70	5.5	1.0	0.5	3	1.0	4		12.0	2.4	4	4
87504	27	125	50	31	127	109	0.47	20.0	10.0	23	11.0		1.6	13.0	63	119	8.1	2.0	0.6	4	1.0	7		13.0	2.3	4	1
87505							0.40	29.0	12.0	29	9.0		0.7	11.0	67	130	11.0	2.0	0.9	5	2.0	4		20.0	3.5	4	4
87506	28	111	35	41	129	122	0.63	20.7	10.0	59	61.0		1.2	10.0	71	141	9.4	2.0	0.8	4	1.0	2		15.0	2.2	4	4
87507							0.53	19.0	5.5	10	2.0		1.2	11.0	40	74	5.8	1.0	0.5	3		2		14.0	1.8	4	4
87509	15	72	12	11	54	30	1.30	10.0	3.4	16	2.0	2	0.8	7.0	48	91	10.0	2.0	0.7	7	1.0			11.0	3.6	4	2
87510	25	102	42	43	116	111	0.83	20.5	7.6		28.0	2	1.1	12.0	67	114	7.1	1.2	0.5	5				14.0	2.2	4	4
87511							0.59	20.0	8.7	41	21.0	2	1.2	12.0	48	93	6.8	1.0	0.5	3	1.0	2		15.0	2.8	4	4
87512	26	103	83	36	110	95	0.49	20.5	8.1	38	3.0	7	1.5	14.0	69	127	8.5	1.0		4	1.0	5		18.0	3.0	4	4
87514							0.63	23.6	7.1	23	2.0	3	1.1	15.0	86	159	11.0	2.0	0.7	4	1.0	5		19.0	3.2	4	7
87515	27	85	46	38	132	109	0.83	20.0	5.8	60	45.0	8	1.3	14.0	54	101	4.8	1.0	0.5	3	1.0	6		16.0	5.3	4	4
87517							0.86	17.0	7.5	58	14.0	6	1.2	12.0	79	154	10.0	1.0		3	1.0	5		14.0	3.5	4	4
87518							0.73	17.0	6.3	39		3	1.5	12.0	50	88	7.7	1.0		4	1.0	4		13.0	2.2	4	4
87519	26	96	45	26	117	117	0.66	18.0	8.5	60	4.0	3	1.1	14.0	53	109	9.0	1.0		3	1.0	3	6	13.0	2.4	4	4
87520							0.76	17.0	10.0	32			1.4	11.0	69	141	10.0	1.0	0.6	3	1.0	4		13.0	1.8	4	4
87521							0.37	12.0	6.5	39	1.0	2	1.5	8.0	29	61	5.7	2.0	0.7			3	5	7.9	1.3	4	4
87522							1.00	14.0	8.2	20			0.7	8.0	45	84	7.1		0.5	5	1.0	3		11.0	2.1	4	7
87523	21	90	56	29	110	102	0.58	21.7	8.0	41	35.0		1.5	12.0	54	106	7.5	1.0	0.8	4	1.0	3	8	13.0	2.9	4	7
87524	23	112	36	40	119	115	0.56	19.0	8.5		34.0		0.9	10.0	55	108	8.0	1.0	0.6	4				13.0	2.3	4	7
87525	26	118	60	47	117	109	0.66	19.0	7.9		40.0	4	0.9	10.0	50	91	6.2	1.2	0.5	4				13.0	2.3	4	4
mean	24	101	47	34	113	102	0.67	18.8	7.9	37	19.8	3.8	1.2	11.3	57	108	8.0	11.3	0.6	3.9	1.1	3.9	6.2	13.9	2.7		
stdev	4	15	18	10	21	25	0.21	3.9	1.8	15	17.7	2.1	0.3	2.1	14	27	1.8	00.5	0.1	1.0	0.2	1.4	1.2	2.7	0.9		
n	10	10	10	10	10	10	20	20	20	17	17	11	20	20	20	20	20	19	16	19	15	16	3	20	20		

Blockhouse Drillcore BH-9, Lunenburg County

	depth	description
87500	32.84	bioturbated argillite
87504	20.77	carbon-rich slate
87505	27.71	banded argillite with sulphides
87506	32.38	unbanded low-sulphide argillite
87507	15.38	thick-banded argillite
87509	8.13	cross-laminated siltstone
87510	38.37	unbioturbated calc argillite (see 87525)
87511	39.74	bioturbated calc argillite with sulphides
87512	44.29	po-rich bioturbated calc argillite
87514	49.46	4cm garnetiferous bed
87515	53.34	typical massive, unbanded slatey argillite
87517	59.53	banded argillite with sulphides
87518	56.77	banded argillite
87519	62.94	banded argillite
87520	66.04	dark grey slatey argillite
87521	68.58	banded argillite with sulphides
87522	72.12	hard veined banded argillite
87523	72.88	coticule
87524	75.51	coticule
87525	38.37	bioturbated calc argillite (87510)

Broad River, Queens County

	SiO_2	Al_2O_3	Fe_2O_3*	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)
85413	77.44	12.28	3.81	1.16	1.04	2.70	0.86	0.52	0.06	0.14	542	81	206	19	190	11	14	18	48	7	20	75	52	2.03
85414	76.28	12.13	4.68	1.70	0.86	1.74	1.82	0.52	0.06	0.22	404	101	153	20	169	11	18	18	63	18	19	73	53	1.30
85415	77.21	12.78	3.39	1.30	0.98	2.67	0.96	0.54	0.04	0.14	373	80	171	21	186	11	16	18	52	11	14	66	59	2.00
85416	77.42	12.34	2.68	1.01	2.69	2.68	0.40	0.55	0.04	0.20	240	51	209	20	270	14	11	14	43		13	56	50	2.01
85420	63.46	20.93	6.09	2.51	1.54	1.64	2.44	0.85	0.25	0.28	576	140	411	29	170	16	30	29	92	26	39	168	140	1.20
85422	72.61	12.68	5.13	1.62	5.53	0.90	0.48	0.61	0.22	0.23	21	24	412	30	200	13	15	13	77	32	19	72	70	0.67
85424	83.08	9.03	2.28	0.82	1.36	2.28	0.50	0.46	0.09	0.11	112	35	153	18	251	11	16	9	32		8	57	56	1.70
85425	78.03	10.44	4.35	1.06	2.28	3.02	0.06	0.54	0.04	0.19	13	3	517	19	190	12	27	16	65	34	15	94	86	2.28
85426	75.96	12.25	5.40	1.66	0.92	1.18	1.70	0.61	0.07	0.25	291	54	208	16	147	11	20	16	71	39	16	87	78	0.88
85427	67.46	19.35	5.04	1.57	1.30	1.49	2.60	0.86	0.12	0.22	570	114	281	24	213	16	29	22	63	13	30	133	118	1.10
85428	58.55	24.12	7.67	2.47	1.45	1.91	2.44	0.76	0.61	0.02	773	173	348	26	170	18	34	28	89	18	32	171	157	1.40
85429	79.40	11.18	2.99	0.93	2.25	2.28	0.10	0.55	0.32	0.01	95	22	447	19	253	11	27	13	39	77	11	52	81	1.70
85430	74.89	13.76	4.41	1.63	1.30	1.61	1.56	0.67	0.14	0.02	273	58	305	28	312	12	21	16	53	8	25	92	96	1.20
85431	54.25	26.53	5.97	2.13	2.44	3.43	4.26	0.73	0.24	0.04	679	162	676	26	199	19	43	30	69	13	33	183	147	2.56
85432	59.06	22.81	4.39	1.19	10.19	0.76	0.06	0.37	0.63	0.54	2	2	177	23	111	13	8	31	37	163	13	64	46	0.57
85433	73.59	14.23	4.58	1.92	1.46	1.89	1.54	0.57	0.16	0.04	240	42	170	18	179	11	20	15	55	9	12	79	85	1.40
85434	78.60	11.46	2.85	1.12	0.85	2.42	2.15	0.50	0.06		453	64	184	17	198	10	14	13	38	2	9	62	55	1.80
85435	73.16	14.61	3.56	1.52	1.00	2.55	2.86	0.57	0.09	0.08	671	85	214	17	160	12	10	15	43	7	16	75	63	1.90
85436	72.44	14.46	3.29	1.38	3.36	2.29	1.87	0.50	0.22	0.19	372	67	316	18	198	10	20	12	49	11	16	62	59	1.70
85437	56.79	20.99	8.54	2.98	0.93	2.25	6.28	0.87	0.23	0.15	1681	197	191	28	192	20	20	30	88	39	40	160	121	1.70
85438	66.62	16.62	5.72	2.52	1.16	2.43	4.13	0.54	0.17	0.08	692	121	200	22	213	13	16	18	65	32	24	75	57	1.80
85439	76.68	12.66	2.85	1.17	0.76	2.82	2.50	0.47	0.09		549	67	188	18	157	10	13	12	43	7	10	62	50	2.10
85440	73.48	14.81	3.19	1.43	1.37	2.33	2.48	0.45	0.41	0.06	501	71	165	16	160	10	11	12	47	14	12	58	46	1.70
85441	72.92	14.44	3.88	1.41	1.29	2.30	2.82	0.56	0.37	0.01	590	91	214	19	177	11	14	16	55	8	19	71	64	1.70
Goldenville concretion																								
mean	72.44	14.46	3.29	1.38	3.36	2.29	1.87	0.50	0.22	0.19	372	67	316	18	198	10	20	12	49	11	16	62	59	1.70
Goldenville slate																								
mean	56.79	20.99	8.54	2.98	0.93	2.25	6.28	0.87	0.23	0.15	1681	197	191	28	192	20	20	30	88	39	40	160	121	1.70
Goldenville wacke																								
mean	74.98	13.41	3.66	1.43	1.20	2.46	2.10	0.52	0.14	0.12	502	81	190	19	188	11	14	15	50	12	16	67	55	1.83
stdev	3.38	1.54	0.89	0.41	0.53	0.29	1.07	0.04	0.13	0.07	132	19	21	2	32	1	2	2	9	8	5	7	6	0.22
n	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	10	9	10	10	10	10
Mosher Island siltstone																								
mean	77.49	11.81	4.00	1.34	1.60	2.04	0.91	0.56	0.14	0.10	171	36	300	20	222	11	22	14	53	33	15	77	80	1.53
stdev	3.15	1.82	1.05	0.42	0.50	0.58	0.71	0.06	0.09	0.09	103	19	139	4	55	0	4	3	14	25	5	17	12	0.44
n	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6
Mosher Island slate																								
mean	60.93	22.73	6.19	2.17	1.68	2.12	2.93	0.80	0.31	0.14	650	147	429	26	188	17	34	27	78	18	34	164	141	1.57
stdev	4.98	2.79	0.95	0.38	0.44	0.77	0.77	0.06	0.18	0.11	83	23	150	2	19	1	6	3	12	5	3	19	14	0.58
n	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mosher Island concretion																								
mean	65.83	17.74	4.76	1.41	7.86	0.83	0.27	0.49	0.43	0.39	12	13	295	27	156	13	12	22	57	98	16	68	58	0.62

Broad River, Queens County

	Fe	As	Mo	Cd	Sb	La	Hf	Au	Th	U	unit	lith
85413	2.7	0.9	5		0.1	30	12		6.5	1.6	2	3
85414	3.3		6			35	12	7	6.8	1.4	2	3
85415	2.4		6			30	13	10	6.8	1.6	2	3
85416	1.9		6		0.1	11	16		7.6	1.1	2	3
85420	4.2	16.0	1			30	5	4	12.0	2.4	2	1
85422	3.6		6		0.3	40	14		7.4	1.8	2	6
85424	1.6		2			29	11		7.8	2.1	4	3
85425	3.1	0.6	1			20	7	6	7.3	1.5	4	4
85426	3.8		19			14	8	33	6.8	2.5	4	1
85427	3.5		13			15	10		12.0	2.9	4	1
85428	5.3		23		0.3	23	5	5	15.0	3.3	4	1
85429	2.1	3.4	4	4	0.4	7	11	20	7.3	2.7	4	2
85430	3.1	2.9	4			58	14		9.2	2.7	4	2
85431	4.2	0.6	1			28	6		16.0	2.8	4	1
85432	3.1	8.8	3		0.2	36	6	6	4.3	1.6	4	6
85433	3.2		1			24	7	3	7.0	1.7	4	2
85434	2.0	0.8	4			25	12		6.8	1.6	2	3
85435	2.5	2.1	3			22	6		5.4	1.2	2	3
85436	2.3	3.0	4			31	12		6.3	1.5	2	6
85437	6.1	26.0	1			44	6		14.0	3.0	2	1
85438	4.0	4.2	2			34	9		7.2	1.9	2	3
85439	2.0		5		0.3	20	13		5.1	1.3	2	3
85440	2.2		3			22	10		5.4	1.4	2	3
85441	2.7	4.1	3			27	12		6.6	1.5	2	3
Goldenville concretion												
mean	2.3	3.0	4.0			31	12		6.3	1.5		
Goldenville slate												
mean	6.1	26.0	1.0			44	6		14.0	3.0		
Goldenville wacke												
mean	2.6	2.4	4.3		0.2	26	12	8.5	6.4	1.5		
stdev	0.6	1.5	1.4		0.1	7	3	1.5	0.8	0.2		
n	10	5	10	0	3	10	10	2	10	10		
Mosher Island siltstone												
mean	3	2.3	5.2			25	9.7	15.5	7.6	2.2		
stdev	1	1.2	6.3			16	2.6	12.0	0.8	0.5		
n	6	3	6	1	1	6	6	4	6	6		
Mosher Island slate												
mean	4	8.3	9.5			24	6.5	4.5	13.8	2.9		
stdev	1	7.7	9.2			6	2.1	0.5	1.8	0.3		
n	4	2	4	0	1	4	4	2	4	4		
Mosher Island concretion												
mean	3.4	8.8	4.5		0.3	38	10.0	6.0	5.9	1.7		

Broad River, Queens County

	description
85413	bt-msc wacke
85414	wacke
85415	wacke
85416	wacke
85420	gt-bt schist
85422	calc-silic conc
85424	wacke
85425	x-lam arg
85426	slatey sltst
85427	gt-bt schist
85428	gt-bt schist
85429	x-lam sltst w/py
85430	x-lam sltst
85431	sltst/bt-gt phyll
85432	concretion
85433	x-lam sltst
85434	wacke (base)
85435	wacke
85436	wacke w/concretion
85437	phyllitic bt sch
85438	wacke (base)
85439	wacke (top)
85440	wacke (base)
85441	wacke (top)

Note: Samples 85413 to 85416 from roadcut (C_2 on Figure 14).

Bush Island, Dublin Shore, Lunenburg County

	SiO_2	Al_2O_3	Fe_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga
85200	79.29	11.95	3.01			1.09	0.39	2.77	1.03	0.34		0.13				266	53	95	17	123	9	17	14
85201	76.67	12.80	3.89			1.32	0.51	2.92	1.39	0.36		0.14				256	51	93	18	117	8	22	14
85202	76.10	13.89	3.33			1.34	0.29	2.94	1.65	0.34		0.10				269	52	96	14	111	8	11	15
85203	67.06	18.77	5.32			1.83	0.32	2.89	2.92	0.70	0.02	0.16				546	105	122	38	162	20	18	21
85204	79.81	11.77	2.75			1.10	0.19	2.77	1.12	0.37		0.12				218	39	88	17	127	7	13	13
85205	74.30	14.65	3.74			1.32	0.24	3.05	1.98	0.67	0.01	0.04				367	72	110	20	219	15	16	16
85206	82.78	9.43	1.16			0.58	2.11	2.73	0.70	0.42		0.10				118	22	107	17	232	8	18	7
85207	85.32	8.79	1.01			0.44	0.62	2.18	0.96	0.51	0.01	0.16				150	31	90	16	391	10	12	10
85208	77.35	13.46	2.16			0.82	0.45	2.44	2.53	0.62		0.17				410	82	102	24	249	14	14	17
85209	85.68	8.00	1.62			0.49	0.32	2.26	1.09	0.41	0.04	0.08				199	38	75	20	272	10	23	5
85210	82.80	9.23	1.58			0.56	2.05	2.17	1.03	0.34	0.09	0.14				147	33	102	19	201	8	19	8
85211	52.71	6.74		0.24	0.70	0.34	35.18	1.36	1.15	0.18	1.24	0.15	0.01	15.58	0.00	207	35	665	31	131	7	9	10
85212	82.23	9.89	2.29			0.74	1.14	2.29	0.99	0.29	0.01	0.14				193	40	90	15	140	7	15	12
85213	79.60	10.68	3.62			1.10	0.39	2.76	1.32	0.37	0.07	0.09				245	47	90	21	151	6	23	15
85214	88.42	5.74		0.03	1.84	0.57	0.33	1.74	0.77	0.39	0.06	0.11	0.01	0.35	0.00	132	22	58	18	210	10	20	8
85215	88.35	5.53		0.00	1.81	0.52	0.80	1.73	0.68	0.38	0.06	0.13	0.01	0.34	0.01	98	18	60	18	190	6	17	7
85216	48.42	4.69		0.07	1.04	0.35	42.13	1.05	0.83	0.25	1.03	0.13	0.01	16.29	0.00	139	22	514	33	208	6	10	6
85217	55.10	24.11		0.00	9.60	3.42	0.21	1.64	4.70	0.86	0.27	0.09	0.01	0.02	0.00	928	166	103	17	178	14	14	29
85218	57.45	23.13		0.00	8.82	3.07	0.25	1.76	4.42	0.73	0.27	0.10	0.00	0.07	0.02	915	159	105	16	173	17	16	28
85219	80.27	9.60		0.00	3.78	1.26	1.13	2.21	1.09	0.48	0.10	0.08	0.03	0.37	0.01	190	34	71	37	244	11	17	9
85220	63.44	19.09		0.41	7.14	2.38	0.34	2.79	3.15	0.96	0.20	0.10	0.03	0.00	0.02	662	120	116	43	203	24	17	24
85221	84.12	7.92		0.00	2.44	0.81	1.20	1.89	0.62	0.66	0.33	0.01	0.07	0.37	0.01	124	25	70	28	455	11	15	9
85222	82.66	10.04		0.10	2.37	0.95	0.22	1.90	1.22	0.43		0.11	0.01	0.06	0.00	222	46	60	15	182	9	8	12
85223	82.31	10.46		0.12	1.70	0.66	0.33	2.44	1.37	0.51		0.09	0.01	0.00	0.01	198	43	74	16	235	11	13	12
wacke	80.80	10.66	2.73	0.04	2.32	0.92	0.69	2.42	1.29	0.45	0.07	0.11	0.02	0.25	0.01	229	45	87	20	211	10	16	12
slate	58.67	22.11		0.14	8.52	2.96	0.27	2.06	4.09	0.85	0.25	0.09	0.01	0.03	0.01	835	148	108	25	185	18	16	27

	Zn	Cu	Ni	V	Cr	Na(%)	Fe	As	Mo	Sb	La	Hf	Au	Th	U	lithology detail	unit	lith
85200	42	5	10	54	39	2.05	2.1	1.7	5	0.4	27	11	5	3.7	0.9	wacke	2	3
85201	44	5	8	53	46	2.15	2.7	2.0	3	0.3	42	6		4.2	0.8	wacke	2	3
85202	39	1	9	57	36	2.15	2.3	1.5	2	0.3	27	5	2	3.6	0.7	wacke (scoop struct)	2	3
85203	55	5	21	104	81	2.13	3.7	10.0	4	0.7	44	9		6.4	1.5	x-bdd wacke	2	3
85204	41		5	40	39	2.03	1.9		4	0.2	36	11		3.1	0.8	x-bdd wacke	2	3
85205	50	2	13	81	67	2.25	2.6	3.2	3	0.3	44	13		7.2	1.7	x-bdd wacke	2	3
85206	23	4	4	26	38	2.00	0.8		5	0.2	32	18		5.6	1.2	wacke	2	3
85207	19		1	25	49	1.60	0.7		5	0.2	29	24		8.9	1.5	wacke (scoop struct)	2	3
85208	29	2	13	53	63	1.80	1.5	2.3	5	0.3	26	15		7.8	1.7	wacke	2	3
85209	24	0	1	33	51	1.60	1.2			0.2	30	11		8.0	1.6	wacke	2	3
85210	21		5	28	37	1.60	1.1		7	0.2	22	19		5.0	0.9	wacke btw concretions	2	3
85211	13	11	11	16	16	0.85	0.6	2.1		0.1	15	5		3.9	0.7	concretion	2	3
85212	24	3	8	32	30	1.70	1.6		7	0.4	24	16		4.1	0.7	wacke (top)	2	3
85213	53	3	10	46	40	1.80	2.6	2.0		0.2	36	6		4.6	1.0	wacke (base)	2	3
85214	28	2	8	29	36	1.20	1.4		1	0.2	24	10	5	5.7	1.1	wacke (base)	2	3
85215	29	0	0	33	54	1.10	1.2			0.2	18	10		5.1	0.7	wacke (above 850216)	2	3
85216	15	4	9	20	23	0.69	0.8	1.7		0.0	27	6	3	4.8	0.7	concretion	2	6
85217	135	12	48	146	130	1.10	8.1	20.0		0.2	17	5		13.0	2.7	silty sl	2	1
85218	129	13	45	153	122	1.20	7.5	16.0		0.2	18	5		13.0	2.8	sl	2	1
85219	69	14	21	48	51	1.50	3.0	10.0		0.3	60	11	7	7.9	1.7	parallel-lam wacke	2	3
85220	99	20	45	117	95	1.90	6.0	25.0		0.2	25	6	15	11.0	2.3	slatey sltst	2	1
85221	51	12	10	33	49	1.40	1.9	1.1	5	0.2	83	30		12.0	1.9	wacke (load struct)	2	3
85222	38	1	11	41	40	1.40	1.9	1.1	5	0.2	30	14		5.1	0.7	wacke (base)	2	3
85223	26	4	7	37	42	1.80	1.4	1.5	7	0.4	24	17		7.1	1.2	wacke (top)	2	3
wacke	37	4	9	45	47	1.75	1.9	3.3		0.3	35	13		6.1	1.2			
slate	121	15	46	139	116	1.40	7.2	20.3		0.2	20	5		12.3	2.6			

Caribou Drillcore LL81-5A, Halifax County

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb
86073	57.85	21.79	0.96	7.86	2.21	0.93	0.55	5.26	0.89	1.63	0.07	0.03	0.36	0.06	1242	176	119	31	120	14	154
86074	72.78	15.44	0.43	3.22	1.32	0.74	1.37	3.51	0.63	0.48	0.07	0.01	0.71	0.11	687	120	139	28	156	12	18
86075	63.53	20.62	0.68	5.49	2.40	0.11	0.54	5.61	0.66	0.28	0.07	0.95	0.09	0.04	1066	193	111	35	141	14	8
86090	65.36	18.12	0.62	5.67	2.07	0.59	0.78	3.66	1.12	1.94	0.08	0.02	0.39	0.06	1184	130	97	32	178	17	5
86102	52.41	18.25	1.83	11.15	3.56	1.82	0.17	2.08	1.24	7.29	0.19	1.17	2.42	0.56	1068	72	79	39	148	15	1
86103	59.90	11.94	1.46	2.46	1.07	16.44	1.21	2.18	0.47	2.79	0.08	1.05	12.25	2.24	623	70	329	42	115	9	24
86125	56.34	25.11	3.46	4.62	2.20	0.24	0.86	5.40	1.29	0.43	0.05	2.09	0.00	1.71	1895	192	276	41	178	16	10
86126	72.40	13.51	4.44	3.11	1.56	0.24	1.54	2.10	0.70	0.35	0.05	2.17	0.18	0.14	734	78	134	24	138	11	15
86127	51.51	18.16	0.73	10.54	2.05	2.70	0.51	2.96	1.27	9.32	0.23	0.46	8.30	0.12	1988	101	144	37	163	14	7
86128	46.53	16.96	0.28	12.98	2.77	4.28	0.18	2.37	1.34	12.09	0.23	0.51	9.36	0.70	1265	81	133	36	145	13	48
86129	49.49	15.78	0.40	11.27	2.70	5.11	0.16	2.15	1.26	11.42	0.26	0.16	10.43	0.58	1257	74	132	34	144	15	32
86130	54.89	24.52	3.25	6.60	2.66	0.16	0.99	4.82	1.39	0.63	0.08	2.39	0.23	1.27	1700	169	272	46	170	16	13
86131	72.12	13.92	3.51	3.85	1.47	0.17	1.55	2.21	0.78	0.35	0.07	2.19	0.08	2.19	766	82	143	45	167	13	12
86134	61.59	23.50	1.68	4.46	1.79	0.06	1.45	3.89	1.30	0.21	0.05	1.15	0.00	0.92	963	148	574	50	187	18	10
86135	70.86	15.48	2.84	4.37	1.79	0.23	0.83	2.44	0.86	0.27	0.04	1.84	0.17	0.21	648	99	267	23	233	7	13
86320	56.98	21.49	0.60	9.82	2.95	0.84	0.09	5.68	0.89	0.59	0.06	0.15	0.44	0.08	1212	194	98	39	142	15	54
86321	80.98	10.69	0.40	2.03	0.82	0.82	1.36	2.11	0.52	0.21	0.06	0.01	0.32	0.00							
86322	87.50	6.48	0.10	0.85	0.34	1.62	1.18	1.41	0.37	0.07	0.07	0.06	0.70	0.45							
86323	86.53	7.08	0.31	1.20	0.50	1.10	1.30	1.44	0.40	0.10	0.03	0.03	0.90	0.22	224	49	202	13	201	8	12
86324	70.11	15.95	1.16	4.12	1.56	0.59	1.74	3.76	0.71	0.21	0.09	0.54	0.35	0.07	702	134	238	26	215	14	8
86325	61.80	20.31	0.78	7.06	2.63	0.39	0.93	4.93	0.70	0.36	0.10	0.87	0.08	0.12	966	171	122	37	172	11	5
86326	55.65	22.07	0.62	10.65	3.30	0.35	0.44	4.63	0.92	1.29	0.09	0.11	0.22	0.05	1141	157	77	33	121	13	
86327	71.55	14.35	0.65	4.69	2.08	0.74	2.90	2.02	0.67	0.26	0.09	0.67	0.46	0.07	462	70	128	29	172	10	13
86328	65.43	18.07	0.45	6.51	2.55	0.28	2.14	3.44	0.73	0.28	0.12	1.12	0.08	0.06	821	125	118	28	180	11	17
86331	70.59	17.91	1.23	3.42	1.59	0.08	0.88	3.12	1.00	0.11	0.07	1.12	0.04	0.44	679	122	226	26	286	15	13
86332	81.30	8.12	2.23	2.82	1.18	1.97	0.32	1.35	0.39	0.21	0.10	1.59	1.78	0.18	275	49	90	15	205	8	11
86333	58.12	25.73	2.52	4.38	1.65	0.06	1.43	4.50	1.14	0.39	0.06	1.46	0.00	1.31	1114	181	506	44	166	16	17
86335	72.97	11.77	1.78	3.93	2.91	2.64	0.41	2.04	0.69	0.80	0.05	1.20	4.51	0.45	481	76	116	29	278	12	5
86341	72.72	14.15	3.30	3.71	1.48	0.19	1.29	2.31	0.75	0.05	0.05	2.01	0.00	0.21	690	93	103	14	220	14	11
86342	58.56	27.24	1.18	3.22	1.71	0.01	1.70	4.93	1.37	0.04	0.06	0.47	0.00	1.19	1349	189	353	60	164	19	12
86343	63.79	21.42	1.58	4.50	2.07	0.22	1.98	3.78	0.52	0.05	0.08	2.17	0.00	2.28							
86344	56.05	26.96	2.94	4.01	1.95	0.19	2.44	4.79	0.51	0.05	0.11	2.07	0.00	2.57							
86346	64.91	18.52	5.46	4.14	1.52	0.79	1.15	2.96	0.32	0.12	0.10	3.56	0.35	0.60							
86347	67.77	22.26	0.65	1.89	1.16	0.04	1.86	3.04	1.19	0.06	0.07	0.18	0.00	1.00	733	122	487	52	151	15	11
86348	67.63	15.33	3.32	4.34	1.89	3.17	0.79	2.31	0.85	0.29	0.10	2.39	3.40	0.32	610	90	189	12	254	14	9
86350	66.64	20.34	1.67	3.18	1.50	0.21	2.19	3.68	0.49	0.03	0.06	0.98	0.00	1.12							
86351	66.29	22.72	0.54	2.18	1.27	0.10	2.24	4.21	0.36	0.02	0.07	0.09	0.00	2.29							
86352	67.23	19.79	1.53	3.63	1.57	0.26	2.15	3.45	0.26	0.03	0.09	1.49	0.26	1.58							
86353	55.67	26.65	2.54	4.87	1.91	0.27	2.14	5.47	0.31	0.05	0.11	2.82	0.01	3.94							
86354	58.98	25.92	1.82	3.66	1.53	0.17	2.38	5.07	0.35	0.03	0.07	2.29	0.00	2.83							
86355	61.80	25.14	0.93	2.75	1.50	0.12	2.19	5.03	0.44	0.03	0.07	0.54	0.01	3.04							
86356	74.50	14.30	2.09	3.45	1.57	0.06	1.50	2.22	0.22	0.04	0.05	1.49	0.00	0.49							

Caribou Drillcore LL81-5A, Halifax County

	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Br	Mo	Sb	Te	Cs	La	Ce	Sm	Tb	Yb	Lu
86073	25	112	113	64	161	115	0.42	18.0	8.7	37	57.0			1.6		9.0	91	172	11.0	1.0		0.6
86074	15	59	9	30	82	73	0.61	10.0	3.9	17	26.0			0.9		4.0	52	87	7.2	1.0		0.7
86075	24	119	24	20	105	80	0.49	15.0	5.3		3.6		2	1.6	11	10.0	32	65	6.0	1.6	3	0.5
86090	22	77	24	49	149	107	0.63	16.0	5.4	31	53.0			0.9		4.0	40	90	7.1	1.0		0.7
86102	27	162	51	95	205	132	0.18	19.0	10.0		131.0		10	1.8		4.0	49	113	7.7	2.0		0.6
86103	15	41	18	13	53	47	0.86	9.1	3.1		0.7		2	1.2		4.7	33	74	5.9	1.5	3	0.6
86125	33	112	32	31	179	185	0.73	29.4	7.2		0.5		9	3.3		13.0	79	146	9.5	1.8	5	0.9
86126	15	90	38	21	96	87	1.30	12.0	5.9		1.4		3	0.8		4.8	28	61	4.8	1.1	2	0.4
86127	31	122	24	85	92	121	0.38	17.0	8.8	56	94.0			0.9		5.0	42	95	6.4	1.0		0.5
86128	27	118	106	121	195	106	0.18	19.0	11.0		217.0	2.4	5	1.3		4.3	40	101	6.0	1.5	4	0.7
86129	21	99	37	93	171	102	0.18	18.0	9.2		171.0	2.0		0.9		4.0	40	95	6.5	2.0		0.6
86130	26	152	46	39	198	168	0.66	27.9	6.1	33	1.0		10	3.8		14.0	77	148	10.0	2.0		0.8
86131	16	92	40	18	91	79	1.20	12.0	5.7		4.8		2	0.9		5.5	27	61	5.4	1.8	4	0.6
86134	26	95	24	30	157	160	1.10	23.7	4.9		11.0		6	2.4		10.0	60	115	7.6	2.0	5	0.8
86135	18	97	34	25	91	91	0.39	8.4	5.9	12	130.0		2	0.9		4.0	29	69	5.8	1.0		0.6
86320	26	130	46	48	122	125	0.16	22.0	11.0	33	29.0			1.0		10.0	37	65	5.2	1.2	3	0.6
86321							0.91	4.8	2.1	6	10.0		1	0.7		3.1	25	44	3.1	0.5		0.3
86322							0.84	7.1	1.0	7	15.0		4	1.2		4.6	40	74	5.4	0.9	2	0.4
86323	10	23	3	9	34	41	1.10	4.6	1.2		9.0			0.7		3.0	26	47	3.5			
86324	17	88	33	25	95	97	1.40	13.0	4.0	13	9.0			1.5		7.0	46	94	6.5	1.0		0.6
86325	30	130	31	27	178	137	0.73	20.1	6.3	23	6.0		94	1.8		8.0	48	90	6.6	1.0	3	0.6
86326	28	149	67	60	130	132	0.42	21.4	11.0	49	52.0			1.4		9.0	56	109	7.8	2.0		0.6
86327	17	95	18	12	109	101	2.11	13.0	4.4	13	5.0		8	1.5		4.0	29	55	4.8	1.0		
86328	22	111	32	26	181	132	2.10	16.0	6.0	18	2.0		3	2.1		5.0	42	80	6.6	1.0		0.5
86331	21	69	14	18	140	121	0.65	17.0	4.3	13			4	0.9		9.0	33	72	4.9	1.0	5	0.9
86332	12	63	21	20	44	40	0.27	6.3	4.4	11	271.0		3	0.4		4.0	12	25	2.5			
86333	33	95	28	31	175	151	1.10	23.7	4.8	20			12	2.3		13.0	72	135	9.1	2.0		0.8
86335	18	86	21	15	54	49	0.30	7.8	4.7		5.0	5.0	2	0.7		5.0	25	52	5.2	1.0		0.6
86341	20	87	41	25	79	72	1.00	10.0	5.9		24.0		4	0.4		5.0	20	37	2.9	0.8	2	0.3
86342	27	87	10	18	201	170	1.20	24.4	3.4		8.6		18	0.7		12.0	82	135	11.0	2.8	7	1.0
86343							1.50	28.9	1.6				20	0.3		12.0	85	147	10.0	2.2	7	1.1
86344							1.40	28.5	5.9	32			16	1.2	11	11.0	71	122	8.4	2.3	6	0.9
86346							0.75	18.0	11.0	58	30.0		4	1.8		8.0	14	22	2.4	0.8	3	0.6
86347	23	60	4	4	168	162	1.50	22.2	1.0				5	0.6		11.0	88	159	11.0	2.0	5	0.9
86348	19	105	42	34	124	81	0.62	14.0	6.3		3.3		5	1.1		6.9	10	19	2.1	0.9	2	0.5
86350																						
86351																						
86352																						
86353																						
86354																						
86355																						
86356																						

Caribou Drillcore LL81-5A, Halifax County

	Hf	Ta	W	Au	Th	U	unit	lith
86073	3		4	9	14.0	3.4	4	4
86074	8	1.0	3		12.0	3.2	4	2
86075	5			5	10.0	5.1	4	4
86090	4	1.0	3		9.0	1.6	4	4
86102	7			8	10.0	2.8	4	4
86103	4			4	5.1	1.4	5	2
86125	6			5	15.0	5.1	5	1
86126	5				6.4	1.6	5	2
86127	4	1.0	10		7.7	1.7	4	4
86128	3			8	7.9	2.2	4	4
86129	6				7.3	2.5	4	4
86130	6	2.0	4	5	17.0	5.3	5	1
86131	6				7.2	1.9	5	2
86134	5			4	12.0	4.3	5	1
86135	11		3		12.0	2.9	5	2
86320	4	1.3	3	3	13.0	2.0	2	1
86321	6	0.7			5.5	1.2	2	3
86322	15	1.0	3		12.0	2.8	2	3
86323	8		7		7.0	1.6	2	3
86324	7	1.0	3		11.0	2.6	2	3
86325	6	1.0	4	4	10.0	3.8	4	4
86326	4	1.0	4		14.0	1.8	4	4
86327	5		2		6.7	2.6	4	3
86328	6		3	5	7.2	2.9	4	1
86331	10	1.0			12.0	3.9	5	1
86332	7				6.1	2.2	5	2
86333	5	2.0	5	5	14.0	7.3	5	1
86335	11	1.0			12.0	3.1	5	2
86341	7				10.0	3.0	5	2
86342	5				16.0	8.8	5	1
86343	7	1.5	3		18.0	9.1	5	1
86344	6	1.8	1		16.0	7.9	5	1
86346	13	1.3	2	6	11.0	3.9	5	2
86347	5	1.0			13.0	5.2	5	1
86348	9				8.9	2.5	5	2
86350							5	2
86351							5	1
86352							5	2
86353							5	1
86354							5	1
86355							5	2
86356							5	1

Caribou Drillcore LL81-5A, Halifax County

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb
Goldenville wackes																					
mean	81.28	10.05	0.49	2.05	0.81	1.03	1.40	2.18	0.50	0.15	0.06	0.16	0.57	0.19	463	92	220	20	208	11	10
stdev	6.91	3.77	0.40	1.27	0.47	0.38	0.21	0.96	0.13	0.06	0.02	0.22	0.24	0.17	239	43	18	7	7	3	2
n	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2
Moshers Island argillites																					
mean	56.02	19.12	0.77	9.18	2.63	1.81	0.47	3.74	1.05	5.07	0.15	0.48	3.52	0.25	1242	128	113	35	148	14	33
stdev	6.20	2.05	0.42	2.56	0.50	1.74	0.26	1.32	0.24	4.64	0.07	0.41	4.22	0.26	281	45	22	2	19	2	48
n	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8
Cunard siltstones																					
mean	70.26	14.76	2.80	3.58	1.63	2.20	1.24	2.44	0.56	0.45	0.07	1.83	1.92	0.81	603	80	171	26	201	11	13
stdev	5.22	3.36	1.20	0.57	0.44	4.42	0.57	0.61	0.22	0.74	0.02	0.68	3.43	0.75	148	15	80	12	53	3	5
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	8	8	8	8	8	8
Cunard slates																					
mean	60.56	24.47	1.90	3.84	1.74	0.13	1.71	4.52	0.89	0.17	0.07	1.39	0.02	1.88	1205	160	385	46	186	16	12
stdev	4.95	2.50	0.98	1.24	0.39	0.08	0.56	0.78	0.43	0.19	0.02	0.90	0.06	1.00	432	28	126	10	42	1	2
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	7	7	7	7	7	7	7

	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Br	Mo	Sb	Te	Cs	La	Ce	Sm	Tb	Yb	Lu
Goldenville wackes																						
mean	14	56	18	17	65	69	1.06	7.4	2.1	8.7	10.8		2.5	1.0		4.4	34	65	4.6	0.8		0.4
stdev	4	33	15	8	31	28	0.22	3.4	1.2	3.1	2.5		1.5	0.3		1.6	9	21	1.4	0.2		0.1
n	2	2	2	2	2	2	4	4	4	3	4	0	2	4	0	4	4	4	4	3	1	3
Moshers Island argillites																						
mean	26	121	53	68	154	115	0.40	18.2	8.4	39.2	87.2	2.2	27.8	1.4		6.4	49	103	7.2	1.5	3.3	0.6
stdev	3	24	33	31	37	17	0.19	1.9	2.1	11.9	68.9	0.2	38.4	0.4		2.4	16	28	1.5	0.4	0.5	0.1
n	9	9	9	9	9	9	9	9	9	5	9	2	4	9	1	9	9	9	9	9	3	9
Cunard siltstones																						
mean	17	83	32	21	79	68	0.74	10.8	5.9	27.0	52.2		3.0	0.9		5.3	22	47	4.1	1.1	2.7	0.5
stdev	2	19	10	6	25	19	0.36	3.4	2.0	21.9	86.5		1.1	0.4		1.2	8	20	1.5	0.3	0.7	0.1
n	8	8	8	8	8	8	9	9	9	3	9	1	9	9	0	9	9	9	9	8	6	8
Cunard slates																						
mean	27	96	23	24	174	160	1.04	24.6	4.7	24.5	5.3		10.0	1.9		11.6	70	129	8.9	2.0	5.5	0.9
stdev	4	28	13	11	20	18	0.31	3.8	1.8	8.4	4.6		4.8	1.2		1.6	16	25	1.9	0.5	0.8	0.1
n	7	7	7	7	7	7	8	8	8	4	4	0	8	8	1	8	8	8	8	8	6	8

Caribou Drillcore LL81-5A, Halifax County

	Hf	Ta	W	Au	Th	U
Goldenville wackes						
mean	9.0	0.9	4.3		8.9	2.1
stdev	3.5	0.1	1.9		2.7	0.7
n	4	3	3	0	4	4
Moshers Island argillites						
mean	4.7	1.0	5.0	6.8	10.0	2.8
stdev	1.3	0.0	2.5	1.9	2.4	1.1
n	9	4	5	5	9	9
Cunard siltstones						
mean	8.1	1.2	2.5	5.0	8.7	2.5
stdev	2.9	0.1	0.5	1.0	2.5	0.8
n	9	2	2	2	9	9
Cunard slates						
mean	6.0	1.6	3.3	4.8	14.4	6.0
stdev	1.6	0.5	1.7	0.4	1.8	1.7
n	8	5	3	4	8	8

	unit	description
86073	Moshers Island	dk gn slatey arg w/silt whisps
86074	Moshers Island	x-bdd siltstone
86075	Moshers Island	black slatey argillite w/sulphs
86090	Moshers Island	gn-gy parallel-lam banded arg
86102	Moshers Island	grey argillite w/sulphides
86103	Cunard	calc lt gy sltst
86125	Cunard	black slate w/sulphs
86126	Cunard	grey siltstone w/sulphs
86127	Moshers Island	nodular gn-gy banded argillite
86128	Moshers Island	nodular gn-gy banded argillite
86129	Moshers Island	calc wht speckled bed
86130	Cunard	black slate
86131	Cunard	lt gy sltst w/minor sl partings
86134	Cunard	blk sl w/silt lams
86135	Cunard	gy sltst w/sl partings
86320	Goldenville	slate
86321	Goldenville	calc wacke
86322	Goldenville	calc wacke; possibly bioturbated
86323	Goldenville	wacke
86324	Goldenville	graded bed from slt to sl w/sulphs
86325	Moshers Island	parallel-lam argillite
86326	Moshers Island	green slatey argillite w/sulphs
86327	Moshers Island	grey wacke
86328	Moshers Island	grey slate
86331	Cunard	gy sl
86332	Cunard	x-bdd wht sltst
86333	Cunard	blue-gy sl
86335	Cunard	x-bdd wht sltst
86341	Cunard	x-bdd sltst
86342	Cunard	typical blk sl
86343	Cunard	dfmd sl and silt ball
86344	Cunard	blk sl w/silt lams
86346	Cunard	x-bdd sltst
86347	Cunard	sl
86348	Cunard	sltst
86350	Cunard	x-bdd & ll-lam sltst
86351	Cunard	blk & gn-blk slate w/py+po
86352	Cunard	wht & gy lam sltst
86353	Cunard	black slate
86354	Cunard	black slate
86355	Cunard	black slate
86356	Cunard	x-bdd sltst

Chebogue Point, Yarmouth County

	SiO_2	Al_2O_3	Fe_2O_3*	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni
85340	71.59	11.22	8.73	1.18	1.23	3.54	1.35	0.93	0.09	0.12	869	214	194	26	142	15	19	27	104	2	39
85341	72.65	16.20	1.34	2.01	0.91	3.32	2.73	0.52	0.17	0.15	63	16	209	21	241	11	10	8	30	16	9
85342	80.56	9.65	2.86	1.16	0.59	2.92	1.37	0.48	0.22	0.18	304	51	114	19	167	12	11	10	44	8	12
85350	61.78	20.67	7.91	1.75	0.92	1.79	3.76	0.99	0.39	0.05	738	187	314	27	172	17	22	23	80	11	44
85352	61.36	19.97	8.40	2.02	1.28	1.95	3.70	1.02	0.18	0.11	799	170	190	31	170	17	23	25	98	5	43
85353	73.19	10.50	2.23	0.68	8.32	2.86	1.11	0.50	0.55	0.07	142	43	388	28	193	10	30	8	28	550	12
85354	79.13	11.07	2.71	1.25	0.68	3.42	0.75	0.57	0.32	0.12	132	35	226	19	168	11	11	12	60	97	16
85355	79.36	10.19	3.49	1.37	0.99	3.15	0.60	0.63	0.16	0.06	71	19	248	23	308	13	16	11	58	22	14
85356	73.07	13.91	3.56	1.62	1.35	3.89	1.30	0.74	0.37	0.20	226	63	273	26	208	15	19	14	69	1	22
85358	79.14	10.74	3.67	1.22	0.71	2.53	1.12	0.67	0.10	0.09	185	46	212	25	203	13	14	10	49	38	18
85359	76.53	11.74	4.28	1.73	0.83	2.60	1.06	0.69	0.36	0.19	194	48	216	26	210	14	14	14	72	67	20
85360	76.83	11.78	2.87	1.42	1.31	3.81	0.74	0.66	0.40	0.17	120	30	339	29	250	13	11	9	49	81	16
85361	82.24	9.30	2.68	0.91	0.32	3.19	0.63	0.53	0.14	0.07	83	17	186	21	231	10	16	8	47	57	10
85363	64.98	20.77	6.58	1.19	0.07	0.48	5.71	0.00	0.11	0.11	951	216	212	16	151	19	28	26	53		39
85364	79.97	10.28	3.63	0.94	0.30	3.02	0.88	0.69	0.14	0.14	144	25	101	21	264	14	12	9	44		13
85365	78.57	11.49	3.26	0.98	0.65	2.69	1.82	0.50	0.04	0.00	378	65	138	18	179	13	14	13	41	3	18
85366	78.65	10.77	3.13	0.82	1.55	2.91	1.52	0.49	0.06	0.09	410	57	220	21	224	12	13	11	25		16
85367	63.49	11.95	14.05	1.41	1.97	3.63	1.70	0.44	1.05	0.31	346	90	319	21	141	11	16	12	47	17	19
85368	75.18	12.20	4.11	1.17	1.66	3.17	1.82	0.49	0.08	0.11	335	92	359	23	162	12	11	10	50	5	20
85369	48.37	26.09	9.57	3.28	2.45	1.02	7.69	1.13	0.15	0.26	2127	245	176	33	186	20	8	33	87	14	49
85370	51.26	16.19	13.30	6.73	7.40	1.62	1.85	1.28	0.18	0.18	90	121	374	26	127	12	18	20	145	85	173
85371	77.92	11.13	3.44	1.35	0.75	3.25	1.14	0.46	0.29	0.26	242	44	152	19	218	11	18	12	49	8	12
85372	76.21	12.08	4.45	1.25	0.66	3.03	1.64	0.50	0.06	0.12	343	58	155	21	195	13	14	14	44	5	17
85373	80.22	9.05	4.51	1.15	0.92	2.49	0.93	0.55	0.06	0.11	173	28	128	18	239	14	9	10	43	3	6
85374	75.41	12.52	4.79	1.29	0.41	3.06	1.40	0.55	0.30	0.26	301	58	162	22	189	12	36	13	63	14	17
85375	76.86	12.25	4.09	1.22	0.20	2.93	1.77	0.62	0.05	0.00	351	61	147	21	202	13	17	13	50	3	17
85376	54.81	22.81	9.82	3.94	0.50	1.77	4.57	1.00	0.44	0.34	960	175	129	32	181	17	13	24	116	39	44
85377	76.93	11.98	3.31	1.43	0.57	3.17	1.73	0.49	0.37	0.02	289	56	119	19	169	11	10	13	52	8	13
Goldenville wackes																					
mean	76.40	12.25	4.06	1.31	0.40	3.05	1.63	0.56	0.24	0.09	314	58	143	21	187	12	21	13	55	8	16
stdev	0.70	0.22	0.61	0.09	0.15	0.10	0.17	0.05	0.14	0.12	27	2	18	1	14	1	11	0	6	4	2
n	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Halifax argillites																					
mean	77.51	11.34	3.28	1.27	1.40	3.11	1.15	0.59	0.23	0.13	181	38	218	23	225	12	15	11	48	79	14
stdev	2.82	1.78	0.85	0.35	1.95	0.41	0.53	0.09	0.15	0.06	96	15	75	3	34	2	5	2	14	146	4
n	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	12	14
Halifax green slates																					
mean	64.78	16.47	7.72	2.44	2.07	2.22	3.08	0.90	0.18	0.13	758	150	214	26	163	15	16	22	86	18	54
stdev	11.70	5.62	3.37	1.90	2.25	0.80	2.11	0.28	0.10	0.08	619	68	88	5	20	3	5	7	33	28	50
n	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

Chebogue Point, Yarmouth County

	V	Cr	Na(%)	Fe	As	Mo	Cd	Sb	La	Hf	Au	Th	U	unit	description	unit	lith
85340	133	107		6.5				2.2	49	3		13.0	1.9	Halifax	green slate	4	1
85341	32	55		0.9		9		1.4	24	6	9	5.9	1.9	Halifax	argillite	4	4
85342	56	51		2.0	8.7	8		0.5	27	4		6.0	1.4	Halifax	slate	4	1
85350	118	110		5.6		2		1.9	30	3		12.0	1.7	Halifax	green slate	4	1
85352	131	121	1.50	6.8	0.7			0.8	46	7		12.0	1.9	Halifax	green slate	4	1
85353	45	56	2.20	1.5				1.5	37	18	18	6.0	1.4	Halifax	green laminated argillite	4	4
85354	51	62		1.9		4		1.0	25	5	3	5.9	1.4	Halifax	green laminated argillite	4	4
85355	44	76	2.38	2.0			4	1.2	29	26		7.8	1.7	Halifax	light green argillite	4	4
85356	64	86		2.5		3		1.3	30	6		7.8	2.2	Halifax	argillite	4	4
85358	66	77	2.23	2.7				1.1	30	14	4	8.2	1.8	Halifax	argillite	4	4
85359	56	75		3.0		6		1.0	37	6	11	8.0	1.4	Halifax	argillite	4	4
85360	55	76		2.0	0.5	3		1.4	36	8	3	7.7	2.3	Halifax	argillite	4	4
85361	39	65	2.35	1.7				1.1	22	19		6.2	1.4	Halifax	argillite	4	4
85363	136	118	0.43	4.5			6	2.5	43	25		12.0	1.3	Halifax	lens	4	4
85364	70	64	2.20	2.1	4.3			0.3	37	20		10.0	1.4	Halifax	argillite 15 cm from mafic sill	4	4
85365	70	72	2.06	2.2	2.9			0.6	22	12		7.8	1.7	Halifax	slatey wacke	4	4
85366	55	51	2.19	2.0	4.1		4	0.7	25	18		7.3	1.5	Halifax	grey argillite	4	3
85367	62	58		10.0	7.3	1		0.7	27	3		6.4	1.6	Halifax	red shaley bands	4	4
85368	66	61	2.48	2.5	5.1			0.8	27	12		6.3	1.4	Halifax	red shaley bands	4	1
85369	196	147	0.91	7.1	29.0			2.1	53	6	18	17.0	3.8	Halifax	green slate	4	1
85370	252	398	1.30	10.0	40.0			3.3	17	5	6	2.2	1.0	Halifax	sandy slate	4	1
85371	69	63		2.4	1.8	2		0.3	28	7		7.5	1.5	Halifax	light grey slatey wacke	4	1
85372	74	65	2.44	2.7	2.5			0.5	25	15		7.7	1.5	Halifax	green slatey siltstone	4	3
85373	67	63	1.90	2.6				0.4	24	22		8.6	1.5	Halifax	pitted argillite	4	2
85374	64	55		3.4	1.2	6		1.0	32	6		7.0	1.6	Goldenville	grey wacke	4	4
85375	72	66	2.21	2.7	4.7			7.4	29	17		7.8	1.7	Goldenville	grey wacke	2	3
85376	140	114		6.9	5.4	2		3.0	51	4		14.0	2.7	Goldenville	grey-green slate	2	3
85377	73	50		2.3		6		0.5	24	4		5.7	1.3	Goldenville	grey-green wacke	2	1
Goldenville wackes																	
mean	70	57	2.21	2.8	3.0	6.0		3.0	28	9.0		6.8	1.5				
stdev	4	7	.00	0.5	1.8	0.0		3.1	3	5.7		0.9	0.2				
n	3	3	1	3	2	2	0	3	3	3	0	3	3				
Halifax argillites																	
mean	56	67	2.24	2.1	2.6	4.5	4.0	0.9	29.2	13.6	8.0	7.5	1.6				
stdev	12	10	0.16	0.5	1.4	2.4	0.0	0.4	5.3	6.9	5.4	1.1	0.3				
n	14	14	8	14	5	6	2	14	14	14	6	14	14				
Halifax green slates																	
mean	137	144	1.44	5.7	16.3	5.0		1.6	35	5.7	12.0	10.0	1.9				
stdev	63	108	0.41	2.6	15.5	3.0		1.0	13	2.9	6.0	4.6	0.8				
n	7	7	4	7	5	2	0	7	7	7	2	7	7				

Cranberry Head, Yarmouth County

	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr
85315	75.51	11.26	3.44	1.57	3.38	1.78	2.14	0.60	0.19	0.12	244	37	110	20	237	12	15	12	49	2	21	69	61
85316	57.65	23.51	7.28	2.58	1.27	0.96	5.52	0.95	0.15	0.13	667	134	141	41	187	17	16	27	99	34	38	154	120
85317	57.32	23.42	5.90	3.99	2.25	1.57	4.32	0.54	0.32	0.38	249	52	137	22	155	11	16	16	73	7	26	79	58
85318	71.58	11.68	7.67	1.34	2.61	2.26	1.43	1.03	0.26	0.13	730	150	127	25	195	20	5	31	102	26	40	161	125
85319	74.66	12.93	4.27	1.39	1.98	2.32	1.51	0.58	0.23	0.14	261	54	119	20	183	12	8	17	63	3	18	77	68
85320	75.37	12.16	5.15	1.78	1.29	2.14	1.31	0.55	0.14	0.12	309	64	128	20	146	10	15	20	68	14	18	90	69
85321	63.34	20.19	5.11	2.25	2.21	1.64	3.98	0.61	0.31	0.37	317	66	127	21	178	14	10	16	66	11	20	93	75
85322	65.64	16.08	8.47	2.09	1.70	2.10	2.23	1.31	0.21	0.17	1209	246	130	33	212	24	19	43	118	34	61	204	156
85323	79.11	10.94	3.28	0.90	2.00	1.97	1.18	0.35	0.15	0.13	170	33	105	16	106	9	9	13	49	2	7	49	43
85325	64.40	20.95	4.06	2.95	1.84	0.98	3.60	0.52	0.38	0.34	211	44	131	19	168	12	5	13	50		13	62	60
85327	81.90	10.10	2.72	0.91	1.20	1.37	0.99	0.47	0.24	0.11	185	38	136	18	184	10	9	16	40	2	9	62	53
85328	50.64	28.94	6.98	2.69	1.10	0.55	7.73	0.63	0.35	0.39	342	69	162	29	163	13	11	19	86	15	31	93	80
85329	70.94	13.74	7.36	1.49	1.48	1.64	2.05	0.93	0.18	0.19	652	130	183	40	189	18	10	30	98	23	41	139	114
85330	74.01	13.95	4.84	1.39	1.36	1.60	1.90	0.53	0.24	0.18	185	37	111	23	178	11	6	14	72	4	18	67	64
85331	75.93	13.09	3.45	1.53	1.37	2.62	1.23	0.47	0.20	0.12	193	44	120	18	148	11	19	17	51		20	71	55
85332	63.08	22.68	3.27	2.72	0.56	2.47	4.38	0.45	0.15	0.24	183	39	117	20	145	9	28	12	53		16	61	52
85333	67.91	13.15	9.25	1.86	2.15	3.02	1.38	0.88	0.26	0.16	612	119	134	33	179	16	13	23	137	38	46	156	113
85334	60.58	20.40	7.71	2.21	0.86	2.70	3.94	0.94	0.37	0.29	819	172	118	31	152	15	36	28	113	37	66	222	127
85335	77.50	10.73	3.99	1.39	0.80	3.56	1.14	0.52	0.24	0.15	314	84	209	21	160	10	12	13	50	9	19	67	54
85336	71.21	11.92	6.82	0.95	2.59	3.24	1.80	1.12	0.22	0.12	812	194	147	28	162	17	21	27	86	42	33	140	129
Goldenville wackes																							
mean	69.60	16.72	4.37	2.00	1.71	1.75	2.86	0.52	0.24	0.22	237	48	125	21	166	11	13	15	60	7	18	73	62
stdev	9.19	5.94	1.21	0.89	0.70	0.58	1.93	0.08	0.08	0.11	57	12	15	3	30	1	6	3	13	5	6	13	10
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	9	12	12	12
Goldenville slates																							
mean	66.74	15.63	8.01	1.87	1.84	2.00	2.52	1.02	0.21	0.16	774	156	143	34	192	19	13	31	111	31	45	163	126
stdev	5.03	4.19	0.75	0.44	0.48	0.68	1.54	0.15	0.04	0.02	221	46	21	6	11	3	5	7	15	6	8	22	16
n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Moshers Island slates (n=2)																							
mean	65.89	16.16	7.27	1.58	1.72	2.97	2.87	1.03	0.30	0.21	816	183	133	30	157	16	29	28	100	40	50	181	128

Cranberry Head, Yarmouth County

	Fe	As	Mo	Sb	La	Hf	Au	Th	U	unit	lith	Unit	description
85315	2.4	121.0	5	1.3	32	7		7.9	1.4	2	3	Goldenville	x-bdd wacke
85316	5.1	136.0	4	5.3	44	5	6	13.0	3.0	2	1	Goldenville	black slate
85317	3.9	20.0	4	1.6	36	5		7.3	1.2	2	3	Goldenville	gy f-gnd wacke w/some c-gnd musc
85318	5.6	10.0	2	2.7	44	5		12.0	2.6	2	1	Goldenville	green slate
85319	3.0	19.0	3	1.4	30	5		7.4	1.5	2	3	Goldenville	wacke; base; base has white clay 'clasts'
85320	3.6	28.0	3	2.4	27	4		6.8	1.6	2	3	Goldenville	x-lam wacke; top; "interbdd sltst"
85321	3.5	23.0	4	1.9	33	5		8.0	1.4	2	3	Goldenville	gy f-gnd wacke w/micaceous base
85322	6.1	38.0	2	7.7	60	4	22	20.9	3.9	2	1	Goldenville	grey slate; pair w/85321 or 85323
85323	2.3	13.0	4	1.3	21	3		4.4	1.0	2	3	Goldenville	gy f-gnd wacke; top; micaceous
85325	2.7	16.0	4	1.7	29	6		7.8	1.4	2	3	Goldenville	wacke; bottom third
85327	1.9	17.0	6	1.5	36	5	7	6.7	1.2	2	3	Goldenville	gy f-gnd wacke; near top
85328	4.8	16.0	3	3.4	45	5	22	8.8	2.4	2	3	Goldenville	wacke; base
85329	5.3	30.0	2	2.9	45	6	55	13.0	3.7	2	3	Goldenville	slatey wacke; top of 85328; Bouma E
85330	3.4	32.0	4	1.5	33	6	14	6.9	1.0	2	3	Goldenville	wacke; middle
85331	2.4	13.0	4	1.5	24	4		5.4	0.9	2	3	Goldenville	wacke; middle
85332	2.2	11.0	3	1.6	27	4		5.9	1.0	2	3	Goldenville	top of last wacke
85333	6.8	85.2	2	3.8	62	6	21	13.0	1.9	2	1	Goldenville	grey slate; pair w/85330 or 85331
85334	5.5	105.0	2	4.3	56	3	27	14.0	3.2	4	1	Halifax	slate
85335	2.8	25.0	3	9.4	43	3	10	6.4	1.6	2	3	Goldenville	cherty band at top of 85325 wacke
85336	5.0	60.7	3	4.0	62	5	18	13.0	2.2	4	1	Halifax	slate (Cream Pot dump)
Goldenville wackes													
mean	3.0	27.4	3.9	1.8	31	4.9	14.3	6.9	1.3				
stdev	0.8	28.8	0.9	0.6	6	1.0	6.1	1.2	0.4				
n	12	12	12	12	12	12	3	12	12				
Goldenville slates													
mean	5.8	59.8	2.4	4.5	51	5.2	26.0	14.4	3.0				
stdev	0.6	45.4	0.8	1.9	8	0.7	17.9	3.3	0.7				
n	5	5	5	5	5	5	4	5	5				
Moshers Island slates (n=2)													
mean	5.3	82.9	2.5	4.2	59	4.0	22.5	13.5	2.7				

Crescent Beach, Dublin Shore, Lunenburg County
Rissers Beach Member, Goldenville Formation

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V
85160	75.24	11.82	0.59	5.00	1.77	0.79	3.03	0.93	0.63	0.11	0.11	0.00	0.00	.00	148	29	251	24	157	12	25	12	85	11	22	73
85162	71.94	15.82	3.30	1.34	1.42	0.63	3.22	1.15	0.65	0.43	0.11	0.04	0.00	0.03	441	100	298	57	206	15	35	19	76	25	38	111
85163	64.20	18.61	0.70	6.73	2.60	0.91	2.63	2.41	0.93	0.16	0.14	0.00	0.00	0.02	474	102	297	30	222	18	38	22	116	23	43	122
85164	79.40	10.14	0.05	3.78	1.27	0.96	2.61	0.86	0.75	0.08	0.11	0.01	0.00	0.01	142	29	201	34	517	23	20	13	60	22	16	64
85165	75.22	11.86	0.43	5.46	1.93	0.72	2.78	0.90	0.48	0.11	0.11	0.01	0.00	0.01	149	32	204	20	174	15	17	13	89	18	28	70
85166	64.02	20.72	0.92	5.34	2.02	0.42	2.18	3.56	0.56	0.13	0.14	0.01	0.00	0.02	647	144	233	24	196	16	17	25	92	16	36	146
85167	67.74	15.11	2.09	6.79	2.48	0.79	2.84	1.42	0.49	0.13	0.14	0.01	0.00	0.02	260	57	250	29	146	15	17	19	107	19	44	79
85168	74.67	13.80	2.53	1.27	1.01	0.66	2.46	2.11	0.77	0.61	0.13	0.01	0.00	0.03	379	90	243	82	292	18	29	17	63	13	35	95
85169	65.76	18.26	0.78	6.89	2.29	0.81	3.03	1.32	0.71		0.13	0.00	0.06	.00	226	48	255	29	238	19	16	18	109	7	33	89
85170	62.86	20.68	0.58	6.47	2.33	0.58	2.40	3.21	0.62	0.16	0.11	0.01	0.00	0.03	592	131	286	24	170	15	12	25	102	10	45	131
85171	70.51	14.81	0.66	5.95	2.15	0.70	3.02	1.38	0.62	0.12	0.09	0.01	0.09	0.01	258	53	262	21	173	15	19	16	94	13	28	86
mean	70.14	15.60	1.15	5.00	1.93	0.72	2.74	1.75	0.66	0.20	0.12	0.01	0.01	0.02	338	74	253	34	226	16	22	18	90	16	33	97
stdev	5.33	3.44	0.97	1.95	0.49	0.15	0.31	0.90	0.12	0.16	0.02	0.01	0.03	0.01	172	39	31	18	100	3	8	4	17	6	9	26
n	11	11	11	11	11	11	11	11	11	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11

	Cr	Na(%)	Fe	As	Mo	Cd	Sb	La	Hf	Au	Th	U	unit	lith	description
85160	76	2.03	3.9	8.2		4	0.2	20	6		5.9	1.3	3	3	x-bdd wacke
85162	90	2.43	3.4	30.0	4		0.5	70	7		8.0	2.2	3	3	x-bdd wacke (ox)
85163	119	1.80	5.7	23.0			0.4	38	7	3	12.0	2.2	3	3	wacke
85164	95	2.00	3.4	33.0			0.5	53	20		14.0	3.2	3	3	wacke w/py
85165	78	2.06	4.6	20.0			0.3	25	5		6.8	1.6	3	3	wacke
85166	128	1.40	4.5	22.0			0.3	30	6		12.0	2.5	3	3	wacke
85167	89	2.00	5.6	20.0			0.2	35	5		6.1	1.0	3	3	wacke
85168	100	1.70	2.9	21.0			0.3	89	11	3	10.0	2.4	3	3	wacke (stained)
85169	89	2.21	5.8	8.6	1		0.2	51	9		8.9	1.8	3	3	x-bdd wacke
85170	114	1.90	6.0	21.0			0.4	27	6	3	14.0	2.4	3	3	x-bdd wacke
85171	89	2.13	5.0	20.0			0.5	23	6	2	8.4	1.8	3	3	x-bdd wacke
mean	97	1.97	4.6	20.6	2.5		0.3	42	8.0	2.8	9.6	2.0			
stdev	16	0.26	1.0	7.1	1.5		0.1	21	4.2	0.4	2.8	0.6			
n	11	11	11	11	2	1	11	11	11	4	11	11			

Crescent Beach Cove, Dublin Shore, Lunenburg County
Rissers Beach Member, Goldenville Formation

	SiO_2	Al_2O_3	Fe_2O_3	%Fe_2O_3		FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr
85150	44.18	12.29	2.32				0.92	36.39	1.78	1.10	0.26	0.42	0.34				256	44	651	39	112
85151	69.99	16.51	5.15				1.81	0.62	3.16	2.01	0.66		0.08				368	74	147	24	210
85152	72.79	15.92	5.25				2.14	0.18	2.48	0.52	0.64		0.09				435	83	121	24	146
85153	78.29	12.17		1.29		1.71	1.08	1.06	2.73	1.15	0.38		0.14	0.03	0.34	0.00	174	34	103	16	157
85154	77.48	12.17	3.87				1.30	0.50	2.43	1.55	0.58		0.12				343	64	119	24	264
85155	51.99	13.82	2.89				1.19	25.64	2.05	1.63	0.35	0.24	0.18				404	71	507	34	102
wackes																					
mean	74.64	14.19	4.76				1.58	0.59	2.70	1.31	0.56		0.11				330	64	123	22	194
stdev	3.41	2.03	0.63				0.42	0.32	0.29	0.55	0.11		0.03				96	18	16	3	47
n	4	4	3	1		1	4	4	4	4	4	0	4	1	1	1	4	4	4	4	4
concretions																					
mean	48.09	13.06	2.61				1.06	31.02	1.91	1.36	0.31	0.33	0.26				330	58	579	37	107

	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Fe	As	Mo	Sb	La	Hf	Th	U	description	unit	lith
85150	9	20	14	29	10	22	36	38	1.30	1.6	8.3		0.2	30	3	4.1	1.1	concretion	3	6
85151	12	21	18	62	17	22	87	80	2.34	3.6	13.0	2	0.2	34	10	6.8	1.8	wacke	3	3
85152	14	28	15	78	10	24	100	91	1.90	3.8	13.0	2	0.4	19	6	6.7	1.3	x-bdd wacke	3	3
85153	8	15	10	40	9	9	42	45	2.00	2.2	8.4	4	0.2	26	13	4.4	0.8	wacke	3	3
85154	11	13	14	58	12	18	69	69	1.80	2.7	11.0	2	0.2	38	12	6.9	1.6	wacke	3	3
85155	9	15	15	40	10	21	49	44	1.50	2.0	5.8	2	0.1	32	3	4.5	1.2	concretion-like bed	3	6
wackes																				
mean	11	19	14	60	12	18	75	71	2.01	3.1	11.4	2.5	0.3	29	10.3	6.2	1.4			
stdev	2	6	3	14	3	6	22	17	0.20	0.7	1.9	0.9	0.1	7	2.7	1.0	0.4			
n	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
concretions																				
mean	9	18	15	35	10	22	43	41	1.40	1.8	7.1	1.0	0.2	31	3.0	4.3	1.2			

Long Point, Green Bay, Lunenburg County
Goldenville Formation

	SiO_2	Al_2O_3	Fe_2O_3t	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr
85040	76.17	11.65	5.28			1.45	0.56	2.65	1.62	0.45	0.09	0.07				399	61	169	18	176
85041	68.21	11.26	4.14			1.12	10.20	2.81	1.52	0.32	0.21	0.22				361	44	435	23	128
85042	69.42	15.01	6.83			1.95	0.40	2.82	2.52	0.83	0.07	0.15				611	96	188	25	178
85043	68.22	15.62	7.04			2.00	0.37	3.13	2.42	0.92	0.08	0.20				594	89	207	29	267
85044	72.17	14.19	5.96			1.69	0.19	2.91	2.18	0.56	0.06	0.08				554	80	187	18	191
85045	70.32	14.47	6.90			2.00	0.29	3.10	2.07	0.66	0.07	0.12				510	76	195	24	191
85047	73.47	14.02	4.96			1.39	0.14	3.21	2.14	0.53	0.05	0.08				554	70	198	18	120
85048	69.97	15.66	5.71			1.59	0.28	3.29	2.57	0.72	0.06	0.15				623	94	212	23	204
85049	49.73	12.25		0.76	3.35	1.10	26.69	2.63	2.09	0.49	0.56	0.35	0.01	15.02	0.00	483	56	853	36	177
85050	72.07	14.35		0.76	4.06	1.41	0.83	3.37	2.28	0.68	0.07	0.12	0.00	0.32	0.00	521	79	228	21	246
85051	78.96	11.45		0.05	2.81	0.86	0.61	3.18	1.58	0.39	0.04	0.06	0.00	0.36	0.02	333	52	206	16	171
85052	65.96	17.86	6.63			1.89	0.27	2.95	3.42	0.79	0.07	0.17				885	122	205	24	225
85053	73.29	13.32	4.74			1.16	1.28	3.47	1.91	0.65	0.06	0.12				456	72	251	22	231
85060	73.99	13.47		0.67	3.76	1.15	0.75	3.51	1.85	0.65	0.06	0.12	0.02	0.30	0.01	463	68	242	23	278
85061	73.82	13.71		0.72	3.79	1.25	0.61	3.42	1.91	0.61	0.06	0.10	0.01	0.25	0.00	461	69	223	23	242
85062	63.69	18.55		0.90	5.82	2.31	0.68	2.35	4.43	0.99	0.09	0.18	0.00	0.18	0.00	1458	145	175	35	243
85063	60.73	21.12		1.20	5.38	2.30	0.38	2.00	5.62	0.96	0.08	0.23	0.01	0.00	0.03	1453	178	166	33	213
85064	64.09	18.45		0.63	6.55	2.46	0.35	2.55	3.68	0.96	0.09	0.20	0.00	0.01	0.00	925	134	175	32	281
85065	81.09	9.94		0.00	2.89	1.03	0.29	2.51	1.67	0.46	0.04	0.06	0.01	0.03	0.03	380	60	152	21	196
85066	61.49	20.67		1.00	5.46	2.24	0.39	2.41	4.98	0.97	0.08	0.29	0.01	0.00	0.02	1238	163	188	36	203
85067	64.63	17.63		0.65	6.46	2.53	0.58	2.93	3.37	0.80	0.09	0.32	0.01	0.09	0.00	896	116	197	37	211
85068	82.46	9.60		0.29	1.83	0.74	0.21	2.87	1.50	0.40	0.04	0.06	0.00	0.01	0.05	352	47	165	17	143
85069	62.01	19.78		1.14	5.87	2.36	0.36	2.23	4.79	1.14	0.08	0.24	0.01	0.00	0.03	1317	159	172	31	201
85070	67.59	16.11	6.80			1.97	0.32	3.24	2.89	0.86	0.07	0.15				740	111	207	25	211
85071	71.78	15.06	5.05			1.44	0.15	3.13	2.61	0.64	0.06	0.09				666	91	208	21	192
85072	73.00	13.63	5.03			1.38	0.65	3.55	1.94	0.64	0.06	0.11				472	72	233	20	217
85073	79.94	9.96	3.55			0.85	0.54	2.82	1.47	0.73	0.04	0.08				351	46	189	25	431
85074	80.15	10.47	3.19			0.79	0.07	3.06	1.63	0.53	0.03	0.07				382	50	174	19	245
85075	75.73	12.36	4.39			1.40	0.29	2.91	2.10	0.66	0.05	0.10				544	71	183	24	231
85077	76.81	12.04	4.03			1.10	0.38	2.94	2.02	0.57	0.04	0.08				504	74	195	18	192
85079	60.23	20.43	8.02			2.63	0.38	2.51	4.60	0.88	0.09	0.22				1198	154	189	34	212
85080	77.63	11.29	3.96			1.04	0.61	3.04	1.83	0.49	0.05	0.06				442	70	202	17	170
85081	78.28	10.38	4.70			1.30	0.68	2.38	1.70	0.46	0.05	0.06				423	68	159	19	199
85082	73.78	13.42	5.38			1.53	0.21	2.87	2.18	0.52	0.04	0.08				589	88	186	23	151
85083	57.83	23.27	7.02			2.29	0.23	1.61	6.43	1.03	0.08	0.21				1799	213	164	37	214
85084	71.35	14.60	5.71			1.62	0.33	2.72	2.84	0.68	0.05	0.10				742	107	189	24	203
wackes																				
mean	73.49	13.38	5.24	0.52	3.57	1.41	0.78	3.00	2.18	0.63	0.06	0.11	0.01	0.18	0.02	544	78	206	22	208
stdev	4.81	2.41	1.13	0.39	1.18	0.41	1.83	0.32	0.69	0.17	0.03	0.05	0.01	0.15	0.02	198	25	50	4	57
n	28	28	21	7	7	28	28	28	28	28	28	28	7	7	7	28	28	28	28	28
silty slate interbeds																				
mean	61.81	20.02	7.52	0.88	5.93	2.40	0.43	2.34	4.73	0.94	0.09	0.23	0.01	0.06	0.01	1281	158	179	35	225
stdev	2.28	1.80	0.50	0.22	0.49	0.14	0.14	0.39	0.99	0.07	0.01	0.05	.00	0.07	0.01	296	29	12	2	26
n	7	7	2	5	5	7	7	7	7	7	7	7	5	5	5	7	7	7	7	7

Long Point, Green Bay, Lunenburg County
Goldenville Formation

	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Fe	As	Sb	La	Hf	Au	Th	U	description	unit	lith
85040	11	14	17	59	13	17	61	51	1.70	2.7	6.5	0.2	29	26		4.9	0.5	wacke	1	3
85041	8	6	14	46	12	14	41	38	1.90	2.3	6.6	0.2	26	10		4.1	0.8	parallel-lam wacke	1	3
85042	14	23	22	101	21	30	105	103	2.06	4.3	20.0	0.3	30	11		7.2	1.3	wacke	1	3
85043	15	10	19	80	10	32	107	94	2.32	4.6	21.0	0.3	38	14		11.0	2.1	x-bdd wacke	1	3
85044	13	10	19	86	25	27	104	69	2.14	3.8	14.0	0.3	25	14		6.4	1.1	wacke	1	3
85045	11	20	20	87	21	27	93	78	2.54	5.0	20.0	0.3	35	11	3	7.8	1.4	parallel-lam wacke	1	3
85047	11	14	17	51	18	17	88	63	2.19	2.7	11.0	0.2	17	13	8	4.2	0.9	wacke (base)	1	3
85048	14	11	22	70	28	31	102	77	2.45	3.5	20.0	0.3	22	18		7.8	1.6	wacke (top)	1	3
85049	12	10	14	34	19	22	52	42	1.50	2.0	12.0	0.2	31	8		6.2	1.8	concretion	1	6
85050	13	13	18	58	18	24	84	76	2.38	3.1	12.0	0.2	34	17	12	8.7	1.5	wacke (above 850049)	1	3
85051	10	12	16	37	11	12	61	38	2.11	1.8	5.3	0.3	24	30		5.1	0.8	wacke (below 850049)	1	3
85052	16	23	27	74	39	35	119	84	2.04	4.1	23.0	0.5	18	20		9.4	1.7	wacke interbed	1	3
85053	12	14	18	51	18	20	87	74	2.54	2.9	18.0	0.3	33	14		8.9	1.6	wacke	1	3
85060	13	21	18	51	17	18	87	66	2.39	2.7	19.0	0.3	33	20	4	9.4	1.8	wacke	1	3
85061	12	11	19	55	10	17	82	62	2.42	2.9	13.0	0.3	36	15		8.7	1.3	wacke	1	3
85062	18	18	25	129	17	43	137	116	1.30	4.2	20.0	0.5	36	8		13.0	3.3	sandy siltstone	1	1
85063	21	16	28	85	25	47	164	134	1.30	4.7	33.0	0.5	48	7		15.0	3.0	sandy siltstone	1	1
85064	17	14	23	122	26	36	120	122	1.70	5.2	19.0	0.5	34	13		13.0	2.0	sandy siltstone	1	1
85065	11	15	13	40	11	13	53	56	1.50	2.1	4.3	0.2	30	16		5.4	1.0	wacke	1	3
85066	17	12	33	68	32	45	155	126	1.60	4.6	27.0	0.5	28	8		11.0	2.5	sandy siltstone	1	1
85067	16	13	20	89	16	49	130	105	2.07	5.5	24.0	0.5	42	7		10.0	3.1	sandy slate	1	1
85068	10	10	9	32	1	6	57	49	2.00	1.6	5.8	0.2	23	9		4.9	1.1	x-bdd wacke	1	3
85069	21	21	32	79	17	44	169	134	1.40	4.6	26.0	0.5	35	7		10.0	3.0	slatey wacke	1	3
85070	17	15	20	104	23	37	117	99	2.27	4.6	30.0	0.4	27	10		7.9	1.9	wacke	1	3
85071	12	8	19	48	24	21	90	76	2.39	3.3	16.0	0.3	18	17		6.9	1.3	wacke scour	1	3
85072	12	8	18	57	20	19	92	75	2.50	2.8	13.0	0.2	39	11		7.3	1.5	wacke (under scour)	1	3
85073	15	15	13	45	17	15	68	69	1.90	2.0	6.5	0.4	38	28		11.0	1.8	x-bdd wacke	1	3
85074	10	16	13	35	6	14	62	56	2.16	1.9	7.8	0.3	28	26		7.1	1.2	parallel-lam wacke	1	3
85075	13	17	15	58	21	21	92	82	2.00	3.3	21.0	0.2	30	11	3	9.1	1.8	wacke (base)	1	3
85077	12	11	17	38	11	15	76	63	2.22	2.5	12.0	0.2	26	11		7.5	1.3	wacke	1	3
85079	18	12	30	113	42	51	145	109	1.90	5.7	29.0	0.3	38	8		10.0	2.5	siltstone	1	1
85080	12	16	11	53	12	13	65	57	2.05	2.0	7.9	0.2	25	15		5.6	1.0	wacke	1	3
85081	10	9	14	56	10	16	61	51	1.60	2.7	8.0	0.2	28	15		5.7	0.9	wacke	1	3
85082	9	12	19	104	13	23	74	64	2.00	3.1	11.0	0.2	39	13		5.5	1.0	wacke	1	3
85083	21	33	37	91	27	40	185	154	1.10	4.2	10.0	0.3	25	9		15.0	2.1	siltstone (weathered)	1	1
85084	14	18	22	72	20	28	89	80	1.90	3.3	19.0	0.3	43	13		7.7	1.4	wacke	1	3
wackes																				
mean	13	14	18	62	17	22	85	71	2.11	3.1	14.2	0.3	30	15.5	6.0	7.3	1.4			
stdev	3	5	5	21	7	9	25	20	0.30	0.9	6.8	0.1	7	5.8	3.5	1.9	0.5			
n	28	28	28	28	28	28	28	28	28	28	28	28	28	28	5	28	28			
silty slate interbeds																				
mean	18	17	28	100	26	44	148	124	1.57	4.9	23.1	0.4	36	8.6		12.4	2.6			
stdev	2	7	5	21	8	5	20	15	0.33	0.6	7.0	0.1	7	1.9		2.0	0.5			
n	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	7	7			

High Head, Yarmouth County

sample	SiO_2	Al_2O_3	Fe_2O_3t	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr
85240	67.09	16.19	6.92	3.18	1.46	3.40	1.22	0.92	0.08	0.24	208	55	126	24	140	13	9	18	87	23	32	174	129
85241	68.41	14.44	6.92	2.94	1.46	4.24	0.76	0.63	0.06	0.13	110	44	108	19	88	11	8	16	86	14	30	118	101
85242	61.09	20.16	7.82	3.25	1.10	2.15	3.38	0.81	0.04	0.20	572	110	138	28	186	19	10	29	95	22	36	170	109
85243	70.50	14.27	5.18	1.55	1.55	4.27	1.00	1.00	0.46	0.23	208	90	177	38	141	13	21	14	66	11	41	139	145
85244	68.58	14.56	6.98	2.84	1.41	3.65	0.98	0.73	0.08	0.20	130	54	123	20	108	10	21	17	90	18	30	133	105
85245	49.84	26.38	11.36	5.01	1.21	1.61	2.86	1.35	0.15	0.24	876	128	145	27	181	16	15	33	132	30	62	315	212
85246	67.81	15.51	7.72	3.35	1.13	3.31	0.26	0.70	0.10	0.13	106	46	116	20	96	9	15	15	100	19	28	127	104
85247	67.56	15.48	7.01	3.07	1.41	3.51	0.89	0.79	0.03	0.25	129	42	117	22	134	11	10	14	87	18	23	141	111
85248	60.85	17.96	9.54	3.68	1.32	3.45	1.95	0.98	0.06	0.21	313	74	122	24	142	15	12	22	105	37	41	214	150
85249	71.68	11.91	7.00	2.54	1.35	3.33	0.65	1.32	0.07	0.16	105	39	94	27	259	15	20	15	83	17	26	140	164
85250	69.09	15.32	6.08	2.50	1.19	4.20	0.64	0.77	0.04	0.18	129	31	114	20	124	10	10	16	71	32	22	148	114
wackes																							
mean	68.60	14.77	6.95	2.92	1.35	3.66	0.77	0.84	0.07	0.18	131	44	114	22	136	11	13	16	86	20	27	140	118
slates																							
mean	57.26	21.50	9.58	3.98	1.21	2.40	2.73	1.05	0.08	0.21	587	104	135	26	170	17	12	28	111	30	46	233	157

sample	Na	Fe	Ni	As	Mo	Cd	Sb	La	Hf	Au	Th	U	unit	lith	lith
85240	2.50	4.8	48	10.0	4		0.2	22	7		5.5	1.4	2	3	wacke
85241	3.18	4.9	49	3.4	3		0.3	20	6		3.3	0.9	2	3	wacke
85242	1.60	5.5	49	3.8	1	3	0.6	25	6		12.0	1.8	2	1	slate
85243	3.23	3.7	56	13.0	9		0.4	47	6		5.9	1.6	2	6	concr
85244	2.72	4.9	46	8.6	2		0.3	22	5		3.9	1.1	2	3	wacke
85245	1.20	8.0	76	17.0	2		0.2	21	5	4	10.0	1.7	2	1	slate
85246	2.50	5.5	38	3.4	2		0.4	16	5		3.6	1.1	2	3	wacke
85247	2.60	4.9	42	4.7	3		0.4	27	7	4	5.1	1.3	2	3	wacke
85248	2.61	6.8	71	21.0	1		0.9	17	5	3	6.9	1.6	2	1	slate
85249	2.52	5.0	37	4.0	4		0.4	31	13		9.4	1.7	2	3	wacke
85250	3.15	4.3	31	7.2	3		0.3	16	7		4.5	1.2	2	3	wacke
wacles															
mean	2.74	4.9	42	5.9	3	0	0.3	22	7	1	5.0	1.2			
slates															
mean	1.80	6.8	65	13.9	1	1	0.6	21	5	2	9.6	1.7			

Sample Descriptions; collected August 5, 1985

85240 grey, fine-grained wacke; top half of 23 cm bed

85241 dark green to grey, fine- to medium-grained wacke; top half of 17 cm bed with brown concretion-like zone and yellow minerals; pair with 85242

85242 green slate; some pyrite; middle of 52 cm interval; pair with 85241

85243 weathered concretionary material from band in top third of 26 cm bed of grey, fine-grained wacke with sulphides

85244 grey, fine-grained wacke; 26 cm bed; sample from brown-grey garnetiferous top of bed just above concretionary material of 85243

85245 green slate; 25 cm interval; pair with 85246

85246 grey, fine-grained wacke; 10 cm bed; pair with 85245

85247 grey, fine-grained wacke; 16 cm bed; pair with 85248

85248 green slatey wacke; occurs on 11 cm interbed between coarser wackes; pair with 85247

85249 grey, medium- to fine-grained wacke; probable sole marks; 44 cm bed with concretions in the top third; base of bed

85250 grey, medium- to fine-grained wacke; probable sole marks; 44 cm bed with concretions in the top third; top of bed above concretions

pairs: 1) 85241/85242; 2) 85245/85246; and 3) 85247/85248

Lake Charlotte Drillcore LC86-1, Halifax County

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb
86104	52.18	13.74	11.67	7.66	1.37	2.19	0.35	2.21	0.81	7.71	0.10	8.76	1.71	1.17	879	87	84	33	126	11	46
86105	60.29	19.77	0.92	8.35	2.99	0.52	1.29	3.16	1.13	1.40	0.19	0.03	0.08	0.11	915	119	176	25	199	17	13
86140	56.58	17.36	0.50	9.01	2.12	4.88	0.43	3.55	1.06	4.13	0.38	4.05	8.49	0.30	1278	128	164	37	149	12	17
86141	52.05	16.86	0.00	13.69	1.52	4.78	0.41	3.52	1.04	4.97	1.17	6.45	4.40	0.11	1360	129	170	40	156	12	9
86142	45.07	14.93	3.86	9.26	3.70	8.49	0.19	1.69	0.88	11.35	0.58	2.33	9.88	0.00	707	58	106	29	116	10	1
86143	50.26	17.13	0.85	12.37	3.20	3.08	0.16	1.70	1.18	9.80	0.26	0.23	3.46	0.00	858	64	67	33	160	12	
86145	60.98	20.58	2.71	7.65	1.99	0.29	0.99	3.76	0.47	0.45	0.11	4.91	0.22	3.46							
86146	68.98	17.92	1.55	5.05	1.28	0.13	0.90	3.38	0.45	0.27	0.09	2.46	0.10	6.15							
86147	64.39	21.15	1.28	4.96	1.66	0.36	1.04	4.02	0.54	0.51	0.09	1.39	0.52	6.18							
86148	49.05	17.59	0.44	12.91	3.16	2.99	0.18	1.73	0.89	10.85	0.22	0.13	9.03	0.00							
86152	38.58	14.46	0.26	10.98	2.82	6.12	0.15	1.72	1.08	23.55	0.29	0.03	14.80	0.00	784	55	100	51	120	10	5
86153	42.50	19.17	0.30	14.85	3.76	3.85	0.14	1.71	1.34	11.57	0.80	0.05	4.03	0.00	871	60	79	33	165	13	
86154	48.19	17.90	0.32	9.95	2.59	5.72	0.26	2.89	1.16	10.73	0.29	0.11	7.78	0.00	1348	99	135	35	154	12	21
86155	45.72	17.50	0.66	11.81	2.89	4.55	0.19	2.00	1.14	13.28	0.26	0.05	6.03	0.00	983	68	83	32	140	15	8
86162	56.85	18.21	0.00	5.47	2.64	4.58	0.62	3.69	1.03	6.42	0.50	3.36	8.58	2.64	1090	124	170	38	165	15	6
86164	56.76	20.87	3.10	3.19	2.19	2.05	0.51	4.43	1.17	5.54	0.18	1.56	4.63	0.49	1484	152	154	33	182	17	
86172	59.96	20.15	3.50	8.18	1.57	0.26	0.74	4.03	1.12	0.38	0.11	3.86	0.17	9.80	1019	154	269	61	143	15	11
86173	62.37	21.16	2.39	5.62	1.68	0.08	0.81	4.21	1.27	0.34	0.09	2.44	0.00	7.66	1048	152	297	36	180	16	21
86180	60.74	18.66	0.49	7.99	2.75	1.78	1.26	2.98	1.14	2.00	0.20	0.08	1.28	0.23	842	109	188	34	199	16	21
86181	66.83	17.09	0.32	6.45	2.13	0.39	1.06	2.95	1.06	1.62	0.10	0.17	0.22	0.11	828	113	157	32	176	14	106
86191	60.19	21.05	0.84	7.32	2.62	1.21	1.26	3.76	0.80	0.83	0.12	0.09	0.67	0.28	752	143	387	31	140	11	16
86201	27.17	11.65	0.69	5.49	1.71	41.52	0.55	1.89	0.47	8.60	0.26	0.28	25.68	0.34	362	57	862	37	92	8	
86203	24.30	10.12	0.47	4.80	1.49	46.65	0.47	1.70	0.38	9.43	0.18	0.19	29.82	0.49	308	53	829	48	70	7	1
86204	44.52	19.33	0.92	7.98	2.76	14.10	0.86	3.14	0.87	5.31	0.21	0.24	15.23	1.86	642	104	540	42	138	13	
86205	61.11	19.80	0.97	7.38	2.69	1.21	1.34	3.27	0.95	1.16	0.13	0.23	1.03	0.17	696	123	315	29	150	15	7
86358	62.37	18.44	0.54	6.77	2.36	2.44	1.42	3.03	0.88	1.50	0.25	0.13	2.76	0.42	658	117	336	32	156	14	9
86431	58.24	16.76	0.55	11.26	3.81	2.11	0.20	2.11	1.06	3.70	0.20	0.24	4.18	0.51	829	77	72	25	147	14	6
86432	60.63	16.58	0.38	9.26	2.55	1.40	0.20	2.31	1.12	5.42	0.16	0.09	1.58	0.49	935	83	73	52	159	15	15
86450	50.17	14.62	1.26	5.53	7.67	11.68	0.22	2.54	0.61	5.54	0.14	0.01	11.77	0.00							
86451	61.48	19.09	0.67	7.88	2.47	0.89	0.74	3.35	1.19	2.11	0.12	0.04	0.66	0.16	1187	121	113	30	179	17	19
86452	59.67	18.33	0.38	6.41	1.88	4.01	0.66	3.64	1.01	3.90	0.12	0.08	3.25	0.00							
86453	55.60	19.46	0.74	11.65	3.52	1.86	0.71	2.62	1.02	2.68	0.14	0.00	1.34	0.21	886	98	117	29	157	15	
86454	69.35	16.29	0.54	5.21	1.60	0.91	0.90	3.19	0.88	1.03	0.09	0.01	0.70	0.00							
86455	58.87	18.80	0.66	10.45	3.18	1.02	0.72	2.74	1.15	2.26	0.16	0.03	0.53	0.12	937	100	104	30	181	18	
86456	62.05	16.71	0.55	8.41	2.45	0.75	0.57	2.34	0.90	5.17	0.11	0.03	0.61	0.06							
86457	48.02	18.84	0.92	11.98	3.32	2.21	0.49	2.31	1.00	10.73	0.18	0.09	4.39	0.00							
86475	48.49	18.77	0.64	13.39	3.95	2.11	0.37	2.08	1.22	8.78	0.20	0.06	6.89	0.31	923	71	79	31	155	15	
86490	66.52	14.27	0.26	5.07	1.73	5.51	0.81	2.44	0.87	2.41	0.10	0.03	4.96	0.58	679	88	366	27	137	13	3
87491	63.97	18.17	0.62	6.78	2.10	1.03	1.13	3.31	1.00	1.77	0.12	0.03	0.78	0.00							

Lake Charlotte Drillcore LC86-1, Halifax County

	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Br	Mo	Sn	Sb	Te	Cs	La	Ce	Sm	Tb	Yb
86104	18	155	129	102	151	76	0.20	16.0	17.0	140	42.0		167		4.5	14	4.0	32	68	4.9	1.3	3
86105	22	135	11	48	158	115	1.10	23.7	8.3	35			1	110	0.9		5.3	42	92	7.3	1.4	4
86140	24	142	49	55	231	109	0.31	18.0	7.1	50	18.0		13		2.0		6.0	60	134	8.3	1.0	
86141	25	147	76	93	169	99	0.35	21.5	16.0	160	41.0		69		3.8		6.0	34	100	7.3	2.0	
86142	23	127	56	89	117	86	0.17	16.0	10.0	75	67.0		142		1.0		3.0	44	114	6.9	2.0	
86143	29	122	56	109	176	110	0.20	21.8	11.0	65	93.0		14		0.4		3.0	53	130	7.5	1.0	
86145							0.69	21.6	7.5	32	1.0		7		1.6		7.0	49	91	6.7	1.0	
86146							0.53	17.0	7.4	31	4.0		7		1.7		7.0	71	134	10.0	1.0	
86147							0.39	13.0	19.0	98	8.0		7		2.0		5.0	53	101	7.3		
86148							0.16	17.0	10.0	55	83.0		3		0.4		3.0	38	92	5.0		
86152	21	102	69	94	145	87	0.15	15.0	8.1		133.0		1		0.4		2.2	35	86	5.4	1.4	5
86153	24	160	64	149	189	169	0.18	23.1	12.0	120	169.0		1		0.8		2.8	49	116	7.5	1.5	3
86154	23	141	280	104	169	101	0.24	20.0	7.9	81	97.0		1		0.8		3.8	55	120	7.5	1.5	4
86155	27	152	101	128	175	111	0.19	20.4	10.0	100	136.0				0.9		3.0	38	91	6.2	2.0	3
86162	21	85	44	32	173	100	0.37	20.3	6.7	150	68.4	2.5	38		6.8	28	6.3	41	98	7.2	1.8	4
86164	24	90	23	20	196	118	0.39	22.9	5.0	17	28.0	3.0	7		0.4		6.9	32	68	5.1	1.3	4
86172	28	89	56	58	195	130	0.55	19.0	9.2	32	2.0		11		1.3		9.0	34	79	5.4	2.0	6
86173	25	117	46	35	188	144	0.56	19.0	12.0	61	6.9		11		2.3		7.1	51	93	6.4	1.2	3
86180	22	116	28	60	141	114	1.00	21.9	7.2	28	1.7		1		0.6		4.6	44	91	6.8	1.5	4
86181	18	95	62	51	136	107	0.90	21.3	6.3	36	21.0		4		0.8	10	5.5	28	61	4.5	1.2	3
86191	25	113	19	40	143	125	1.10	22.6	7.5	27	20.0		1		0.6		5.9	49	89	6.7	1.2	4
86201	13	54	38	18	47	35	0.36	8.2	2.9	16	10.0				0.3		2.0	32	62	5.2	1.3	3
86203	13	44	29	16	38	21	0.31	8.4	3.3		3.3				0.3		2.1	26	50	4.5	1.3	3
86204	21	97	49	53	108	89	0.65	18.0	6.8		32.0		1		0.7		4.4	48	95	7.4	1.6	4
86205	21	109	39	62	140	115	1.10	22.0	6.7	69	61.6		1		0.8		5.5	40	79	5.4	1.2	4
86358	22	102	26	36	143	99	1.20	23.6	9.0	23	3.7				0.7		5.9	54	97	7.4	1.4	4
86431	20	119	35	115	153	110	0.22	21.1	10.0	49	44.0	3.0			0.3		4.0	57	127	7.8	1.0	6
86432	21	96	43	94	159	133	0.21	19.0	7.9	110	136.0				0.4		3.0	28	59	4.3	1.0	6
86450							1.90	9.5	4.4	11	25.0				0.5		4.0	34	64	4.6		
86451	24	112	36	48	158	111	0.60	20.9	5.9	29	3.6				0.2		6.0	26	59	4.3	1.0	4
86452							1.50	9.3	3.4	13	52.0				0.9		4.0	30	56	5.0		
86453	24	159	25	70	128	103	0.55	21.7	7.0	41	8.0				0.3		6.0	46	98	7.1	1.0	4
86454							1.40	5.8	3.7		21.0				0.5		4.0	28	54	4.4		
86455	24	148	28	72	135	115	0.68	25.1	12.0	59	0.6		1		0.2		5.0	44	98	7.0	2.0	4
86456							0.46	6.7	1.8		9.0				0.4		2.0	38	79	6.3		
86457							0.48	22.3	9.3	21	53.0				2.1		13.0	58	110	7.7	2.0	
86475	25	145	68	105	159	105	0.28	20.0	7.7	400	433.0	2.0			0.8		3.0	77	161	10.0	2.0	4
86490	19	72	22	44	107	81	0.76	19.0	5.6	33	3.0		1		2.6		4.0	41	87	6.8	1.0	3
87491							0.88	23.1	6.5	36	4.5				2.2		5.6	46	82	6.4	1.5	3

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	Lu	Hf	Ta	W	Au	Th	U	unit	lith	section	description
86104	0.7	5	1.3	9	10	7.8	6.1	5	1	Cunard	black slate at contact (see 86164)
86105	0.6	7	1.4	3		11.0	3.2	4	1	Moshers Island	black slate w/sulphides (see 86181)
86140	0.7	4	1.0	5	7	10.0	8.3	4	1	Moshers Island	black slate
86141	0.9	5		7	24	10.0	9.3	4	1	Moshers Island	black slate w/sulphides
86142	0.5	3		8		6.8	1.4	4	4	Moshers Island	calc banded argillite
86143	0.8	6	1.0	6		9.1	1.9	4	4	Moshers Island	dk gy to blk calc banded argillite
86145	0.6	5	2.0	6		12.0	3.5	5	1	Cunard	black slate w/sulphides
86146	0.6	5	1.0	5		10.0	4.0	5	1	Cunard	black slate w/sulphides
86147	0.5	3		3	5	6.6	2.6	5	1	Cunard	black slate w/vein and sulphides
86148	0.5	4		6		7.3	1.6	4	4	Moshers Island	dk gy banded slatey argillite w/pink mineral
86152	0.8	4				6.2	2.0	4	4	Moshers Island	nodular calc argillite (bioturbated?)
86153	0.6	6	1.0	6		8.8	2.4	4	4	Moshers Island	dk gy banded slatey folded argillite
86154	0.6	5	1.0	10		7.6	2.4	4	1	Moshers Island	dk gy slate w/gy folded calc bands
86155	0.6	4	1.0	8		8.3	2.0	4	4	Moshers Island	purple nodules
86162	0.9	3		12	21	11.0	8.5	5	1	Cunard	unifora black slate with sulphide laas
86164	0.8	5	1.0	6	4	11.0	6.5	4	1	Moshers Island	grey slate w/folded calc bands at contact (see 86104)
86172	0.9	5	1.1	6	6	11.0	5.1	5	1	Cunard	silicified black slate w/py and po
86173	0.7	6	1.1	5	5	11.0	4.8	5	1	Cunard	black slate w/sulphides
86180	0.6	6	1.0	3		10.0	2.2	4	4	Moshers Island	gritty grey slate w/folded calc bands
86181	0.6	8	2.0	37	4	10.0	2.8	4	1	Moshers Island	grey slate w/sulphides (see 86105)
86191	0.6	5	1.0	2		13.0	2.5	4	1	Moshers Island	banded grey slate w/py & po
86201	0.4	2	0.5	3		3.6	0.9	4	9	Moshers Island	mottled limestone
86203	0.5	2			3	3.9	0.8	4	9	Moshers Island	mottled limestone
86204	0.6	4			4	9.2	2.1	4	9	Moshers Island	laminated limestone
86205	0.6	5	1.2	2	4	11.0	3.2	4	4	Moshers Island	light grey banded argillite
86358	0.6	6	1.3	3		12.0	2.5	4	1	Moshers Island	dark grey slate w/calc bands
86431	0.8	5	1.0	8		10.0	2.2	4	6	Moshers Island	nodular grey argillite w/thin grey folded calc bands
86432	0.6	4	1.3	6		8.8	1.8	4	4	Moshers Island	grey argillite w/thin grey folded calc bands
86450		6		2		6.7	1.5	4	6	Moshers Island	grey-green argillite and light grey calc band
86451	0.5	6	1.0	3		10.0	2.2	4	4	Moshers Island	grey argillite w/calc bands
86452		4		4		4.6	1.0	4	4	Moshers Island	grey argillite w/folded calc bands & graphitic partings
86453	0.5	6	2.0	4		11.0	2.4	4	4	Moshers Island	grey slatey argillite w/folded calc bands
86454		6		8	32	5.4	1.1	4	4	Moshers Island	grey argillite w/wedge-shaped calcite/quartz veinlets
86455	0.7	7	2.0	3		13.0	2.6	4	4	Moshers Island	grey slatey argillite w/folded calc bands
86456		9		2		7.9	1.2	4	4	Moshers Island	dark grey slatey argillite w/calc bands
86457	0.6	4	1.0	4		14.0	2.3	4	4	Moshers Island	nodular calc band
86475	0.6	5	1.0	6		8.9	2.2	4	1	Moshers Island	silicified dark grey slate w/ light grey folded bands w/pink blebs
86490	0.5	5	1.0	4		9.3	2.3	4	1	Moshers Island	silicified grey slate w/calc bands
87491	0.6	6	1.0	4		12.0	2.4	4	1	Moshers Island	dark grey slate w/ grey calc bands

Lake Charlotte Drillcore LC86-1, Halifax County

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb
Cunard black slate																					
mean	60.82	18.99	3.30	6.37	1.74	1.13	0.78	3.62	0.81	2.30	0.15	3.88	1.61	5.29	1009	129	205	42	154	14	21
stdev	4.97	2.47	3.57	1.29	0.42	1.57	0.22	0.62	0.31	3.04	0.14	2.25	2.89	2.80	79	27	84	11	21	2	15
n	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	4	4	4	4	4	4
Moshers Island argillites																					
mean	56.20	17.78	0.78	9.06	2.89	3.04	0.64	2.75	1.03	5.59	0.25	0.59	4.08	0.17	941	100	165	33	159	14	18
stdev	7.62	1.78	0.80	2.91	1.14	2.59	0.42	0.72	0.15	4.97	0.23	1.42	3.82	0.18	238	28	98	7	21	2	24
n	28	28	28	28	28	28	28	28	28	28	28	28	28	28	21	21	21	21	21	21	15
Moshers Island limestone beds																					
mean	32.00	13.70	0.69	6.09	1.99	34.09	0.63	2.24	0.58	7.78	0.22	0.24	23.58	0.90	437	71	744	42	100	9	
stdev	8.93	4.03	0.18	1.36	0.55	14.29	0.17	0.64	0.21	1.78	0.03	0.04	6.14	0.68	146	23	145	4	28	3	
n	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1

	Ba	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Br	Mo	Sn	Sb	Te	Cs	La	Ce	Sm	Tb	Yb
Cunard black slate																						
mean	23	112	69	57	177	113	0.47	18.0	11.3	77.7	18.9		35.4		2.9	21.0	6.5	47	95	6.8	1.4	4.0
stdev	4	28	35	28	17	26	0.15	2.7	4.6	48.0	24.1		54.7		1.9	7.0	1.5	12	19	1.5	0.4	1.2
n	4	4	4	4	4	4	7	7	7	7	7	1	7	0	7	2	7	7	7	7	6	4
Moshers Island argillites																						
mean	23	122	53	74	155	110	0.66	19.1	7.8	65.7	60.4	2.7	16.3		0.9		4.8	43	93	6.4	1.4	4.1
stdev	2	24	54	31	27	18	0.47	5.2	2.9	76.7	85.9	0.5	36.3		0.8		2.1	12	26	1.4	0.4	0.8
n	21	21	21	21	21	21	28	28	28	25	27	3	16	1	28	1	28	28	28	28	23	18
Moshers Island limestone beds																						
mean	16	65	39	29	64	48	0.44	11.5	4.3		15.1				0.4		2.8	35	69	5.7	1.4	3.3
stdev	4	23	8	17	31	29	0.15	4.6	1.8		12.3				0.2		1.1	9	19	1.2	0.1	0.5
n	3	3	3	3	3	3	3	3	3	1	3	0	1	0	3	0	3	3	3	3	3	3

	Lu	Hf	Ta	W	Au	Th	U
Cunard black slate							
mean	0.7	4.6	1.3	6.6	9.4	9.9	4.9
stdev	0.1	1.0	0.4	2.8	6.1	1.8	1.8
n	7	7	5	7	5	7	7
Moshers Island argillites							
mean	0.6	5.4	1.2	6.0	12.5	9.5	2.8
stdev	0.1	1.3	0.4	6.4	11.3	2.3	1.9
n	24	28	20	27	6	28	28
Moshers Island limestone beds							
mean	0.5	2.7			3.5	5.6	1.3
stdev	0.1	0.9			0.5	2.6	0.6
n	3	3	1	1	2	3	3

Liscomb Harbour, Guysborough County

	SiO_2	Al_2O_3	Fe_2O_3t	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V
85230	54.55	20.34	13.90	3.34	0.91	0.56	3.10	0.87	2.35	0.08	725	108	173	40	115	13	13	26	140	43	54	122
85231	82.22	8.14	5.16	0.94	0.10	1.54	0.88	0.53	0.44	0.04	150	29	106	19	212	12	24	11	48	20	10	39
85232	82.19	8.08	4.56	1.15	1.01	1.14	1.20	0.38	0.24	0.05	252	42	76	33	246	9	31	10	53	70	24	50
85234	60.08	20.09	9.92	2.51	0.33	1.16	4.05	1.00	0.74	0.13	1004	139	102	27	167	19	10	24	106	1	42	117
85235	66.01	15.98	8.63	2.10	1.29	1.63	2.80	0.75	0.71	0.09	696	96	126	30	217	13	5	20	88	42	45	105
85237	80.93	7.61	2.81	0.58	4.18	2.16	0.86	0.45	0.39	0.04	158	25	203	21	414	11	14	7	34	1	13	32
Goldenville wackes (n=2)																						
mean	74.10	12.03	6.60	1.63	1.15	1.38	2.00	0.57	0.47	0.07	474	69	101	32	232	11	18	15	71	56	35	78

	Cr	Na(%)	Fe	As	Sb	La	Hf	Au	Th	U	unit	lith	unit	description
85230	99	0.52	11.0	74.5	0.4	49	5		14.0	2.1	4	1	Halifax	green slate
85231	55	1.10	3.2	2.1	0.4	36	18	5	8.1	2.0	4	1	Halifax	x-laminated wacke lens
85232	41	0.91	2.9	13.0	0.3	69	31		6.0	3.5	2	3	Goldenville	hard wacke; base
85234	118	1.00	7.7	2.3	0.4	32	6		14.0	1.9	2	1	Goldenville	green slate
85235	76	1.30	6.4	31.0	0.4	56	12		11.0	1.5	2	3	Goldenville	wacke; middle
85237	40	1.50	1.7		0.3	41	50		8.3	1.3	2	3	Goldenville	wacke (scoured & ox)
Goldenville wackes (n=2)														
mean	59	1.11	4.7	22.0	0.4	63	22		8.5	2.5				

Liverpool Harbour, Queens County
Goldenville Formation

	SiO_2	Al_2O_3	Fe_2O_3t	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)
85400	67.26	16.58	6.03	2.87	1.09	1.62	3.75	0.57	0.01	0.20	615	143	146	20	140	12	12	17	75	71	27	69	67	1.20
85401	53.12	22.03	10.07	3.67	1.53	2.66	5.77	0.83	0.03	0.29	1108	222	253	31	143	16	22	29	114	33	46	149	116	2.02
85402	80.23	10.04	2.73	1.03	1.85	2.44	1.04	0.38	0.05	0.21	167	46	170	16	151	8	15	11	36	17	14	44	43	1.80
85403	70.64	16.38	3.91	1.82	1.25	1.91	3.31	0.51	0.04	0.24	452	85	145	19	131	11	19	14	39	16	12	64	64	1.40
85404	71.44	14.79	4.75	2.12	1.36	2.04	2.65	0.53	0.04	0.28	382	86	147	22	237	11	14	14	56	36	19	69	56	1.50
85405	48.57	24.58	10.50	4.05	1.91	3.21	5.91	0.88	0.09	0.30	1102	221	276	30	148	18	24	31	110	43	47	167	134	2.40
85406	76.86	11.30	3.15	1.14	5.40	1.00	0.40	0.50	0.07	0.18	243	21	261	24	213	12	9	13	40	47	13	52	60	0.74
85407	64.21	19.67	4.72	2.65	1.62	2.64	3.59	0.58	0.04	0.27	599	100	186	20	150	12	16	19	49	2	20	85	74	1.90
85409	74.58	13.56	4.93	1.78	0.90	2.13	1.36	0.53	0.03	0.20	553	96	148	21	171	11	12	17	56	17	26	77	65	1.60
85410	72.66	14.76	4.58	1.95	1.06	2.16	1.94	0.57	0.01	0.31	484	89	167	18	160	11	9	17	53	10	24	96	74	1.60
85411	79.80	10.74	3.99	1.66	0.77	1.48	1.03	0.36	0.05	0.13	393	68	128	16	128	8	14	15	58	15	15	58	42	1.10
85412	69.56	16.48	5.56	2.30	1.07	1.88	2.31	0.60	0.03	0.21	672	111	174	23	156	12	15	22	64	12	25	107	79	1.40
wackes																								
mean	72.26	14.78	4.58	2.02	1.22	2.03	2.33	0.51	0.03	0.23	480	92	157	19	158	11	14	16	54	22	20	74	63	1.50
stdev	5.01	2.85	0.91	0.52	0.32	0.35	1.01	0.08	0.01	0.05	145	25	17	2	31	1	3	3	11	19	5	18	13	0.24
n	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

	Fe	As	Mo	Sb	La	Hf	Au	Th	U	description	unit	lith
85400	4.2		6	0.1	14	10		5.7	1.4	metawacke	1	3
85401	7.2	5.1		0.3	20	4		13.0	2.4	bt schist	1	1
85402	1.9	3.9	8	0.3	24	19		4.6	0.7	metawacke	1	3
85403	2.7		5		14	11		5.5	1.5	x-bdd metawck	1	3
85404	3.3		6	0.2	36	21		8.3	1.9	metawacke	1	3
85405	7.4	6.6	2		30	4	58	15.0	2.7	gneiss	1	1
85406	2.2		8	0.3	30	23		6.7	1.5	garnet band	1	7
85407	3.2		1		30	6		6.8	1.6	metawacke	1	3
85409	3.5		4		32	11		6.8	1.5	metawacke	1	3
85410	3.2		3		30	8		7.3	1.6	metawacke	1	3
85411	2.8		4	0.1	20	10	23	4.5	0.8	metawacke	1	3
85412	3.9		2		32	6		7.9	1.7	metawacke	1	3
wackes												
mean	3.2		4.3	0.2	26	11.3		6.4	1.4			
stdev	0.6		2.1	0.1	8	5.0		1.3	0.4			
n	9	1	9	4	9	9	1	9	9			

Nickerson Point, Yarmouth County

	SiO_2	Al_2O_3	Fe_2O_3t	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr
85300	77.88	11.62	3.42	1.52	0.85	2.66	1.64	0.28	0.11	0.02	352	37	80	13	83	7	18	15	64	6	16	58	36
85301	77.10	12.28	3.28	1.61	0.67	2.80	1.93	0.28	0.06		375	39	90	12	83	6	13	13	66	2	12	63	35
85302	77.76	11.58	2.86	1.26	1.22	2.90	1.82	0.54	0.03	0.04	326	43	122	17	200	11	14	13	47	3	12	57	61
85305	79.37	11.36	2.58	0.93	0.98	2.00	1.95	0.46	0.26	0.11	272	42	130	17	190	10	19	12	42	5	12	54	55
85306	73.19	11.24	7.44	1.26	1.06	2.98	1.64	1.07	0.09	0.05	1413	199	142	39	182	19	23	36	115		54	174	144
85307	57.60	20.11	9.02	4.27	1.04	2.37	4.44	0.85	0.18	0.11	745	117	142	25	156	15	16	25	130	47	40	116	102
85308	72.96	14.52	3.45	1.79	1.02	3.29	2.42	0.49	0.03	0.02	366	56	169	18	158	10	9	16	52	2	13	67	62
85309	52.47	24.24	8.62	3.69	0.42	1.19	7.87	1.18	0.14	0.19	1460	201	126	39	191	20	14	31	122	47	65	181	148
85310	78.20	10.60	2.86	0.98	2.20	3.30	1.06	0.37	0.36	0.06	297	49	172	14	133	8	21	13	39	8	11	47	44
85311	61.00	22.20	4.95	2.90	0.34	4.82	2.96	0.66	0.04	0.13	524	76	169	21	169	12	10	20	76	6	24	86	79
85312	81.87	7.76	4.94	0.57	0.47	3.19	0.42	0.60	0.10	0.09	624	95	163	22	171	13	15	19	85	19	24	93	77
85313	62.10	23.63	3.18	2.38	0.18	1.34	6.39	0.51	0.16	0.13	315	43	157	17	181	10	16	14	46		15	57	54
85314	61.57	25.27	2.41	2.23	0.43	1.48	5.82	0.45	0.22	0.12	378	59	191	16	154	9	15	15	31	10	9	53	51
wacke mean	71.85	15.86	3.40	1.63	0.86	2.79	2.86	0.51	0.15	0.09	388	58	159	18	170	10	15	15	52	7	15	64	60
slate mean	61.09	18.53	8.36	3.07	0.84	2.18	4.65	1.03	0.13	0.12	1206	172	137	34	176	18	18	31	122	31	53	157	131

	Fe	As	Mo	Sb	La	Hf	Au	Th	U	unit	lith	description
85300	2.4	10.0	6	1.0	17	3		2.3	0.6	1	6	small disk-shaped nodule
85301	2.3	7.9	6	1.0	15	2	7	2.3	1.0	1	6	large doughnut-shaped nodule
85302	2.0	17.0	5	1.0	28	6		6.9	1.0	1	3	host bed to 85300 and 85301, 30 cm below the nodule zone
85305	1.8	10.0	5	0.8	26	6		6.3	1.3	1	3	dense, hard, grey, fine- to medium-grained quartzitic wacke; topmost part of bed
85306	5.5	66.3	2	2.5	40	4		15.0	3.0	1	1	grey slate atop 23 cm thick fining-upwards unit
85307	6.3	49.0	2	3.5	45	4		9.1	2.1	1	3	slatey wacke; 21 cm thick
85308	2.4	12.0	3	0.8	27	4		6.0	1.4	1	3	dense grey, medium-grained wacke; near top of 35 cm bed
85309	6.1	98.6	2	14.2	44	5	17	16.0	3.2	1	1	grey slate; 9 cm interbed unit
85310	2.0	7.7	4	0.8	23	4		4.7	0.9	1	3	dense grey, medium-grained wacke; top of 41 cm bed
85311	3.4	32.0	5	2.7	32	5		7.0	1.7	1	3	parallel-laminated, dense grey, medium-grained wacke; middle of 56 cm bed
85312	3.6	31.0	5	2.3	31	4		7.1	1.6	1	3	dark grey, fine-grained wacke with grey slate whisps; bed has 'mud clasts' on top surface; 28 cm bed
85313	2.1	10.0	3	1.2	25	5		5.7	1.1	1	3	grey wacke; 36 cm bed
85314	1.6	50.5	5	2.8	20	6		5.1	1.2	1	3	parallel-laminated, dense grey, fine-grained wacke; middle of 80 cm bed (parallel-laminations in sampled portion of bed)
wacke mean	2.4	21.3	4.4	1.6	27	5		6.1	1.3			
slate mean	6.0	71.3	2.0	6.7	43	4		13.4	2.8			

Sanford, Yarmouth County

	SiO_2	Al_2O_3	Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr	Nb	Pb
85260	74.12	11.82	1.20	4.21	1.60	2.29	2.91	1.15	0.49	0.10	0.10	0.02	0.86	0.00	215	36	77	21	152	11	13
85261	64.53	15.67	1.55	5.58	2.34	4.89	2.13	2.25	0.66	0.22	0.17	0.00	1.83	0.14	441	76	118	27	133	13	10
85262	78.12	11.14	0.08	3.52	1.33	1.75	2.77	0.77	0.37	0.04	0.11	0.01	1.19	0.15	189	34	75	18	122	10	17
85263	63.21	19.09	1.76	5.21	2.17	1.72	1.93	3.58	1.01	0.14	0.18	0.01	0.44	0.00	679	124	97	29	179	18	10
85264	71.72	11.91	3.06	3.74	2.08	1.64	1.84	3.43	0.49	0.10	0.00	0.01	0.95	0.00	240	42	79	19	152	10	13
85265	74.80	10.12	0.84	2.83	1.16	5.61	2.76	1.04	0.46	0.28	0.11	0.02	3.16	0.00	172	32	123	19	156	6	21
85266	61.20	21.05	1.02	5.06	2.71	0.65	1.33	5.39	1.12	0.34	0.13	0.00	0.26	0.00	883	153	105	32	197	19	11
85267	79.59	10.42	0.00	3.35	1.53	0.99	2.04	1.25	0.48	0.27	0.08	0.00	0.63	0.00	197	35	72	20	164	10	19
85268	78.74	11.43	0.26	2.84	1.36	0.86	1.96	1.70	0.58	0.23	0.03	0.00	0.47	0.03	236	48	88	17	169	11	16
85269	72.65	13.26	1.38	3.84	1.69	1.83	3.09	1.40	0.58	0.15	0.12	0.01	0.73	0.00	270	49	84	25	161	12	17
85270	75.63	12.14	1.20	3.59	1.46	0.88	3.00	1.36	0.53	0.09	0.12	0.01	0.33	0.00	258	46	84	17	177	11	13
85271	80.07	10.53	0.21	3.03	1.50	0.78	1.97	1.20	0.42	0.26	0.03	0.00	0.53	0.02	188	35	83	18	127	10	18
85272	61.23	20.70	1.82	5.69	2.50	0.35	3.24	3.18	1.01	0.16	0.12	0.00	0.00	0.01	781	113	187	27	161	16	15
85273	51.24	13.64	0.86	13.12	10.02	8.10	0.29	0.31	1.84	0.24	0.33	0.01	5.23	0.00			168	19	137	22	33
85274	59.59	21.33	1.97	5.61	2.60	0.44	4.12	3.06	1.03	0.16	0.10	0.00	0.00	0.01	742	115	232	30	160	16	19
85275	60.37	20.81	1.46	7.01	2.59	1.26	0.99	4.21	1.00	0.18	0.11	0.11	0.37	0.04	757	146	100	29	159	15	13
85276	60.71	21.90	2.11	5.53	2.36	0.28	1.03	4.73	1.03	0.19	0.13	0.00	0.07	0.00	795	173	127	23	149	16	23
85277	60.35	21.02	1.35	7.35	2.45	0.74	1.82	3.55	1.03	0.22	0.12	0.02	0.20	0.00	574	132	164	29	157	16	35
85278	49.13	14.92	4.44	10.65	5.22	7.62	3.46	0.29	3.43	0.24	0.60	0.20	3.48	0.00	24		598	27	280	45	10
85279	57.68	22.47	4.72	3.97	2.66	0.30	0.86	5.96	0.90	0.38	0.09	0.00	0.00	0.01	644	208	311	25	142	15	33
85282	56.01	20.35	2.19	5.08	3.40	3.74	7.83	0.29	0.93	0.09	0.10	0.02	1.21	0.00	12		888	28	144	17	22
85283	49.77	13.79	2.18	12.45	11.19	8.11	0.06	0.27	1.71	0.26	0.22	0.01	4.66	0.00			99	18	91	17	10
85284	72.78	15.39	0.69	1.94	1.35	1.68	1.87	3.02	0.67	0.54	0.08	0.49	0.98	0.00	396	105	166	22	147	15	27
85285	54.23	17.24	1.53	7.51	5.29	7.19	4.10	0.35	1.49	0.41	0.66	0.08	3.31	0.00	25	3	649	22	144	23	39
Goldenville wackes																					
mean	76.16	11.42	0.92	3.44	1.52	1.85	2.48	1.48	0.49	0.17	0.08	0.01	0.99	0.02	218	40	85	19	153	10	16
stdev	2.90	0.93	0.91	0.45	0.24	1.42	0.49	0.73	0.07	0.09	0.04	0.01	0.81	0.05	32	6	14	2	17	2	3
n	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Goldenville slates																					
mean	62.98	18.60	1.44	5.28	2.41	2.42	1.80	3.74	0.93	0.23	0.16	.00	0.84	0.05	668	118	107	29	170	17	10
stdev	1.37	2.22	0.31	0.22	0.22	1.80	0.34	1.29	0.19	0.08	0.02	.00	0.70	0.06	181	32	9	2	27	3	0
n	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Halifax green slates																					
mean	58.28	18.59	2.160	7.331	4.293	2.888	1.77	2.85	1.36	0.256	0.19	0.082	1.498	0.007	589	142	215	25	158	19	22
stdev	6.64	3.46	1.30	3.47	3.30	3.34	1.33	1.88	0.77	0.11	0.15	0.15	2.00	0.01	248	35	141	4	45	9	9
n	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	10	10	10	10	10

Sanford, Yarmouth County

	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Fe	As	Mo	Cd	Sb	La	Hf	Au	Th	U	unit	lith
85260	12	59	4	16	72	68	2.20	3.4	11.0			0.9	32	20		6.2	1.1	2	3
85261	17	86	4	30	99	79	1.70	5.3	14.0			1.5	43	8	4	9.0	2.3	2	1
85262	16	55	14	11	63	45	2.06	2.8	11.0	3		1.0	26	7		4.4	0.7	2	3
85263	22	77	4	36	139	123	1.50	5.0	23.0		5	2.3	34	11		12.0	2.1	2	1
85264	13	55	5	17	70	63	2.35	3.1	11.0			1.0	32	29		5.8	1.3	2	3
85265	9	36		12	50	52	2.01	2.2	9.4			1.1	26	21		6.2	1.1	2	3
85266	32	97	23	45	174	137		4.7	22.0	3		2.1	48	6		15.0	2.9	2	1
85267	14	57	12	15	56	53		2.6	4.7	4		1.2	30	5		6.6	1.1	2	3
85268	13	54	10	17	74	57		2.4	11.0	3		1.3	28	5		6.3	1.4	2	4
85269	14	60	3	17	78	73	2.57	3.6	8.0			1.1	35	18		8.0	1.5	2	3
85270	13	49	12	14	77	67	2.75	3.6	35.0			1.5	37	23		8.2	1.2	2	4
85271	14	58	2	13	55	44		2.5	8.4	4		1.2	25	4		5.1	0.8	2	3
85272	22	90	21	40	161	114	2.56	5.4	32.0			7.8	44	9		12.0	2.6	4	1
85273	16	116	17	120	268	377	0.33	11.0	38.0			3.9	24	5	19	2.7	0.8	4	6
85274	25	86	21	44	188	132	3.03	4.9	34.0	2	5	12.2	46	6	21	12.0	3.5	4	1
85275	19	112	17	47	149	116	0.79	6.3	22.0		2	4.3	53	7	76	12.0	2.4	4	1
85276	25	98		50	169	131	0.88	5.7	31.0			2.4	51	5	8	15.0	2.4	4	1
85277	22	109	10	50	153	128	1.40	6.7	25.0			3.4	47	6	3	13.0	1.7	4	1
85278	21	136	18	62	336	42	2.83	12.0	4.7			14.6	42	10	4	4.1	1.0	4	4
85279	33	124	6	53	145	117		6.5	2.5	2		7.5	29	3		12.0	1.4	4	1
85282	17	57	155	36	158	132	6.64	5.6	1.8			25.8	46	14	28	13.0	1.5	4	3
85283	13	102	43	193	297	544	0.15	11.0	6.2			56.9	18	5	11	1.6	0.4	4	1
85284	18	50	95	27	81	75		2.0	1.4	4		24.5	39	3	8	8.6	2.2	4	1
85285	14	139	29	32	172	45	3.87	7.5	5.4			35.7	68	6		6.6	1.6	4	2
Goldenville wackes																			
mean	13	54	8	15	66	58	2.32	2.9	12.2	3.5		1.1	30	14.7		6.3	1.1		
stdev	2	7	4	2	10	10	0.27	0.5	8.3	0.5		0.2	4	8.9		1.2	0.2		
n	9	9	8	9	9	9	6	9	9	4	0	9	9	9	0	9	9		
Goldenville slates																			
mean	24	87	10	37	137	113	1.60	5.0	19.7			2.0	42	8.3		12.0	2.4		
stdev	6	8	9	6	31	25	0.10	0.2	4.0			0.3	6	2.1		2.4	0.3		
n	3	3	3	3	3	3	2	3	3	1	1	3	3	3	1	3	3		
Halifax green slates																			
mean	21	102	28	69	195	178	1.49	7.2	19.7	2.7	3.5	13.8	39	5.9	18.8	9.3	1.8		
stdev	5	23	26	48	75	149	1.08	3.0	13.7	0.9	1.5	15.7	11	2.2	22.5	4.5	0.9		
n	10	10	9	10	10	10	8	10	10	3	2	10	10	10	8	10	10		

Sanford, Yarmouth County

	unit	description
85260	Goldenville	grey wacke; top
85261	Goldenville	grey laminated slate
85262	Goldenville	grey wacke
85263	Goldenville	grey-green slate
85264	Goldenville	med-gnd wacke; base
85265	Goldenville	wacke; top
85266	Goldenville	grey slate
85267	Goldenville	grey wacke
85268	Goldenville	hard argillitic x-lam wacke
85269	Goldenville	grey wacke
85270	Goldenville	argillitic wacke
85271	Goldenville	grey wacke
85272	Halifax	green slate
85273	Halifax	speckled slate
85274	Halifax	grey-green slate
85275	Halifax	grey-green slate
85276	Halifax	grey-green slate
85277	Halifax	grey-green slate
85278	Halifax	hard green argillitic slate
85279	Halifax	speckled green slate
85282	Halifax	wacke lens
85283	Halifax	green slate
85284	Halifax	green slate
85285	Halifax	siltstone

Sperry Cove, Dublin Shore, Lunenburg County
West Dublin Member, upper Goldenville Formation

	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Fe
85130	77.05	9.41	6.74	1.86	1.58	1.70	0.95	0.42	0.20	0.09	183	35	93	38	205	8	11	14	102	72	27	42	38	1.20	4.4
85131	73.42	13.30	6.06	1.60	0.28	2.93	1.64	0.56	0.12	0.10	319	65	103	24	127	11	12	18	69	7	20	65	64	2.12	3.8
85132	69.68	16.86	4.85	1.25	0.13	3.02	2.95	1.05	0.11	0.09	586	122	145	28	248	19	17	22	62	5	23	98	109	2.10	2.8
85133	64.95	19.04	6.71	1.95	0.13	1.91	3.95	1.08	0.19	0.10	803	155	115	24	210	18	15	26	74	6	26	121	131	1.30	4.2
85134	70.20	14.44	7.83	2.48	0.28	2.01	1.94	0.55	0.15	0.13	414	80	88	34	150	13	17	19	100	11	30	76	56	1.40	5.4
85135	80.33	9.99	4.46	1.16	0.23	2.51	1.14	0.43	0.07	0.06	192	42	83	26	166	9	28	12	54	9	19	38	45	1.80	2.6
85136	81.34	10.27	2.93	0.75	0.15	2.88	1.20	0.36	0.04	0.06	212	48	97	17	119	9	19	14	37	7	9	43	41	2.24	1.7
85137	74.65	13.09	5.29	1.40	0.35	2.90	1.62	0.55	0.08	0.07	314	67	101	29	239	14	13	19	68	5	19	55	50	2.27	3.5
85138	68.76	16.17	6.70	2.02	0.16	2.71	2.45	0.83	0.13	0.06	504	100	107	32	172	15	15	19	74	6	18	89	101	2.00	4.4
85139	82.34	9.76	2.68	0.68	0.13	2.45	1.41	0.46	0.04	0.05	255	56	82	20	206	10	15	14	27	6	7	51	40	1.60	1.5
85140	84.96	8.17	2.28	0.58	0.27	2.20	1.06	0.40	0.04	0.05	190	41	77	19	203	8	20	9	28	13	5	38	35	1.60	1.4
85141	70.17	16.04	5.81	1.58	0.10	3.17	2.33	0.63	0.08	0.08	461	93	113	23	141	14	14	18	61	7	18	85	53	2.14	3.4
85142	51.08	9.19	2.55	0.66	31.13	1.93	1.50	0.25	1.67	0.06	233	41	846	21	104	6	7	12	25	15	11	22	19	1.00	1.1
85143	76.42	10.50	3.20	0.83	4.22	3.01	1.22	0.37	0.17	0.06	220	45	210	17	108	9	21	13	37	5	10	40	39	2.06	1.9
85144	72.92	13.90	5.31	1.43	0.66	3.01	1.91	0.69	0.07	0.09	399	79	126	24	190	14	17	17	63	6	17	84	82	2.12	3.1
wackes																									
mean	74.67	13.11	5.20	1.44	0.34	2.57	1.89	0.62	0.10	0.08	372	76	102	26	183	12	16	17	63	12	18	68	65	1.84	3.2
stdev	5.86	3.24	1.66	0.54	0.38	0.46	0.82	0.23	0.05	0.02	177	34	18	6	39	3	4	4	22	17	7	25	30	0.36	1.2
n	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

	As	Mo	Cd	Sb	La	Hf	Au	Th	U	description	unit	lith
85130	7.7			0.2	39	12	3	5.4	1.0	silty wacke	2	2
85131	11.0			0.3	15	9		4.2	0.8	wacke	2	3
85132	23.0			0.3	13	11		10.0	2.0	x-lam wacke	2	3
85133	12.0			0.3	15	8		13.0	2.4	wacke	2	3
85134	8.8			0.6	22	6		5.6	1.1	wacke	2	3
85135	11.0	2	5	0.2	49	12		5.2	1.0	wacke	2	3
85136	6.6	2		0.2	14	12		4.0	0.8	wacke	2	3
85137	3.6			0.7	35	12		8.3	1.4	x-bdd wacke	2	3
85138	19.0			0.2	41	8		7.9	1.4	x-bdd wacke	2	3
85139	8.0	2		0.3	30	17		6.0	1.2	wacke-sole mk	2	3
85140	4.8			0.2	55	14		5.6	1.1	wacke-middle	2	3
85141	23.0			0.2	45	7		6.8	1.0	x-bdd wacke	2	3
85142	5.3			0.1	19	4		2.9	0.6	concretion	2	6
85143	0.9			0.2	22	8		3.9	0.6	wacke w/conc	2	6
85144	11.0			0.4	17	9		7.4	1.6	wacke	2	3
wackes												
mean	11.5	2.0		0.3	30	11		6.9	1.3			
stdev	6.1	0.0		0.2	14	3		2.4	0.5			
n	13	3	1	13	13	13	1	13	13			

Canso Area Sections Fogerty Head, Queensport and Lundy, Guysborough County

	SiO_2	Al_2O_3	Fe_2O_3t	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	Ba	Rb	Sr	Y	Zr	Nb	Pb	Ga	Zn	Cu	Ni	V
85461	73.79	13.13	4.44	1.70	1.20	3.24	1.62	0.53	0.28	0.06	320	43	165	22	212	11	26	12	57	12	12	53
85462	56.64	14.32	9.28	3.14	4.99	0.12	1.42	1.29	8.69	0.11	520	76	52	32	202	14	25	20	118	31	42	131
85463	51.90	19.04	12.32	4.19	2.85	1.39	2.79	1.37	4.00	0.16	693	114	131	34	180	14	23	21	200	31	43	158
85464	57.62	15.97	9.96	3.18	3.36	1.07	2.76	1.38	4.61	0.10	878	135	189	33	214	15	13	17	122	51	46	157
85465	74.82	11.87	4.29	1.36	1.07	0.75	3.37	0.59	1.88		593	101	152	25	95	10	34	16	50	47	25	140
85466	52.47	16.81	11.20	4.00	2.41	0.28	5.15	0.82	6.70	0.17	1688	239	473	26	146	14	34	24	221	71	53	128
85467	37.43	21.99	18.47	7.50	2.16	0.05	4.13	1.49	6.54	0.25	1625	268	252	40	226	20	20	35	315	51	80	216
85468	42.09	16.08	7.90	6.20	6.49	0.05	0.03	0.53	20.50	0.15		1	11	31	95	11	34	22	1259	37	39	106
85469	55.90	20.40	6.83	2.77	3.08	1.63	5.00	1.08	3.16	0.16	1464	196	214	31	191	19	34	23	107	44	39	129
85470	81.27	8.56	5.33	1.04	1.14	1.31	0.51	0.54	0.30	0.01	204	21	101	10	227	13	17	10	67	21	4	42
85471	74.94	10.07	3.95	2.08	5.32	2.03	0.20	0.95	0.46		76	4	393	13	141	18	26	22	116	5	10	151
85472	67.58	15.23	7.87	2.59	3.99	1.31	0.25	0.72	0.44	0.03	358	9	157	10	168	12	18	17	130	50	12	78
85480	49.34	26.41	12.95	2.38	0.65	0.70	3.44	1.12	2.87	0.13	995	161	179	27	131	21	48	26	106	17	50	109
85481	65.31	20.52	6.46	2.85	0.57	0.95	1.80	0.94	0.55	0.05	523	82	124	51	133	12	10	25	119	15	23	97
85482	65.28	20.73	5.91	2.42	0.71	1.36	2.16	0.96	0.42	0.05	707	93	168	52	139	15	18	24	104	13	27	121

	Cr	Fe	As	Mo	Sb	La	Hf	Au	Th	U	unit	lith	section	description
85461	55	3.1	2.9	3		37	8		8.3	1.6	4	3	Fogerty Head	wacke
85462	98	6.5	35.0	4	0.1	29	7		5.5	2.0	4	3	Fogerty Head	wacke
85463	109	8.7	1.8	4	0.1	29	5		5.4	2.6	4	3	Fogerty Head	x-lam siltstone
85464	105	7.0	21.0	2		24	4		5.4	3.2	4	3	Fogerty Head	wacke w/sulphides
85465	57	3.1	249.0	37	0.1	47	2	16	7.2	5.0	4	1	Fogerty Head	black slate
85466	83	7.9	104.0	2	0.2	39			9.1	1.9	4	4	Fogerty Head	argillite
85467	139	13.0	311.0			78	4		14.0	3.6	4	4	Fogerty Head	argillite
85468	50	5.5	155.0	33	0.2	8	3		5.1	1.5	4	6	Fogerty Head	concretion layer
85469	89	4.8	0.9	15	0.1	47	5		11.0	2.7	4	1	Fogerty Head	stained slate
85470	40	3.8	162.0	3	0.2	4	8		7.4	2.0	5	3	Queensport	slatey wacke w/py
85471	123	2.8		13	0.1	16	4		9.3	3.9	5	1	Queensport	black slate
85472	72	5.6	25.0	7		16	5		10.0	3.2	5	3	Queensport	wacke
85480	109	8.9		2		66	3		17.0	2.7	4	1	Lundy	Mn black slate w/garnets
85481	117	4.6		5		383	4		19.0	4.6	5	3	Lundy	x-lam wacke
85482	119	4.2		5		299	4		18.0	4.3	5	1	Lundy	slate w/sulphides

Tancook Island, Lunenburg County

	SiO_2	Al_2O_3	Fe_2O_3	%Fe_2O_3		FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr
85450	69.88	15.06	5.60				2.28	1.50	2.30	2.49	0.63	0.07	0.19				423	79	104	21	218
85451	59.85	23.95	5.13				1.80	0.30	1.08	6.40	1.19	0.06	0.25				1474	224	77	29	184
85452	71.39	14.32	4.88				1.78	2.38	2.17	2.05	0.35	0.12	0.56				398	76	118	22	104
85453	65.14	21.06	3.01				1.15	0.25	2.43	5.17	1.48	0.07	0.23				835	195	97	27	321
85454	71.53	9.88	4.44				1.94	6.54	2.02	1.55	0.37	1.52	0.19				306	74	335	14	173
85455	33.64	11.25	14.65				5.77	22.18	0.14	1.92	0.38	9.71	0.37				416	65	841	45	82
85456	61.37	7.93	3.32				1.26	22.77	0.56	1.12	0.28	1.00	0.40				270	43	1509	24	237
85457	56.30	23.01	10.57				3.25	0.19	0.55	4.58	0.77	0.59	0.19				1101	175	154	31	139
85458	41.30	9.21	4.64				7.31	21.19	0.12	1.44	0.28	14.40	0.10				339	60	393	87	70
86020	69.73	15.71		0.75	5.43	1.99	0.60	1.49	3.33	0.71	0.12	0.15	0.03	0.25	0.09	717	124	146	28	134
86021	85.19	7.39		0.26	2.05	0.92	0.78	1.62	1.15	0.44	0.15	0.06	.00	1.01	0.16	220	43	91	15	211
86022	70.82	14.75		0.46	3.78	2.06	1.55	2.99	2.71	0.63	0.14	0.10	0.02	1.72	0.31	517	100	112	25	186
86023	61.76	21.76		0.85	3.41	2.04	0.49	2.14	6.16	1.21	0.07	0.11	0.02	0.65	0.28	1144	207	93	41	242
86024	76.49	10.91		0.22	3.53	1.31	2.82	2.27	1.76	0.47	0.15	0.07	0.01	1.89	0.32	303	66	144	22	225
86025	63.49	20.52		1.11	3.94	1.85	0.27	2.41	5.15	1.03	0.09	0.13	0.01	0.28	0.08	877	188	94	35	202
86026	73.94	10.74		0.41	2.66	1.35	4.64	2.09	2.28	0.63	1.21	0.05	0.01	5.46	0.56	390	90	236	29	559
86027	63.44	14.81		0.65	7.11	2.71	3.89	1.19	3.36	0.89	1.78	0.16	0.12	4.25	0.00	601	125	245	42	671
86028	58.07	18.06		0.64	9.77	3.23	2.44	0.83	4.26	0.71	1.84	0.15	0.17	3.00	0.00	824	153	156	41	222
86029	60.40	20.71		2.09	3.75	1.70	1.73	1.22	6.27	0.74	1.30	0.10	0.00	1.95	0.00	1206	226	147	39	152
86030	58.43	21.42		1.33	7.34	2.24	0.34	0.64	6.25	0.73	1.17	0.09	0.04	0.67	0.00	1345	234	53	33	131
86032	58.32	21.55		1.12	8.26	2.88	0.33	0.30	5.84	0.70	0.58	0.13	0.00	0.30	0.00	1107	204	46	32	130
86033	62.04	21.37		1.20	4.48	1.91	0.47	0.97	6.26	0.78	0.43	0.08	0.01	0.61	0.18	1125	226	72	34	146
86034	56.45	11.63		0.31	8.48	3.88	10.83	0.78	2.79	0.34	4.40	0.09	0.01	11.62	0.00	489	98	534	27	96
86035	65.75	17.51		0.48	6.14	2.47	0.96	2.35	3.26	0.82	0.09	0.16	0.05	0.92	0.20	703	119	128	40	191
86036	55.76	25.12		1.75	5.26	2.53	0.11	0.88	7.19	1.22	0.04	0.14	0.01	0.00	0.03	1485	256	109	40	185
86037	62.46	20.47		0.98	5.42	2.33	0.56	1.70	4.92	0.93	0.14	0.10	0.01	0.62	0.14	1024	178	153	34	186
86038																					
86039	54.03	27.38		1.89	4.01	2.19	0.03	0.96	8.42	0.91	0.12	0.05	0.00	0.06	0.01						
86040	55.54	25.08		1.34	6.49	2.40	0.05	0.95	6.93	0.96	0.18	0.08	.00	0.08	0.00	1391	248	188	25	166
86041	61.19	22.19		1.09	5.07	2.13	0.06	0.85	6.08	0.91	0.33	0.09	0.00	0.00	0.02	1349	223	222	29	153
86042	73.92	10.92		0.72	7.20	2.83	0.80	1.54	1.11	0.44	0.45	0.07	0.10	0.65	0.00	250	41	143	23	113
86043	62.63	22.45		1.61	4.10	1.58	0.03	0.31	6.10	0.88	0.28	0.04	0.45	0.16	0.02	1274	231	185	27	167
86045	77.53	10.88		0.00	4.04	2.00	1.05	2.22	1.34	0.49	0.35	0.08	0.36	0.95	0.00	260	49	125	22	120
86046	70.08	16.72		0.68	4.57	2.13	0.07	1.52	3.28	0.62	0.26	0.07	0.05	0.04	0.00	665	126	175	25	116
86047	62.42	17.95		0.29	7.13	1.79	2.39	0.94	3.28	0.84	2.74	0.24	0.01	2.56	0.00	1844	114	168	32	171
86048	72.15	15.15		0.00	5.83	2.72	0.13	0.50	2.29	0.82	0.28	0.12	1.30	0.06	0.07	559	88	224	25	168
86049	64.48	22.30		0.86	3.57	2.15	0.03	1.23	3.83	1.25	0.20	0.11	0.00	0.07	0.69	873	148	660	34	157
87621	58.87	23.77		0.60	6.53	3.28	0.13	1.05	3.96	1.34	0.33	0.15	0.16	0.00	0.38	932	147	520	40	176
87622	58.15	26.93		1.36	3.13	1.91	0.02	1.62	4.97	1.64	0.17	0.12	0.04	0.00	1.13	1031	186	876	51	202
87623	69.88	17.70		0.00	5.27	2.37	0.04	0.66	3.01	0.76	0.21	0.09	0.00	1.10	0.06	721	115	297	23	151

Tancook Island, Lunenburg County

	SiO_2	Al_2O_3	Fe_2O_3	%Fe_2O_3	FeO	MgO	CaO	Na_2O	K_2O	TiO_2	MnO	P_2O_5	S	CO_2	C	Ba	Rb	Sr	Y	Zr
Goldenville wackes																				
mean	72.90	13.30	5.24	0.43	3.93	1.77	1.90	2.16	2.38	0.59	0.25	0.17	0.02	1.88	0.27	459	87	135	25	229
stdev	5.50	3.10	0.36	0.17	1.44	0.50	1.26	0.43	0.69	0.15	0.36	0.16	0.02	1.69	0.15	166	25	42	7	131
n	8	8	2	6	6	8	8	8	8	8	8	8	6	6	6	8	8	8	8	8
Goldenville silty slate interbeds																				
mean	58.99	23.47		1.32	4.76	2.16	0.26	1.44	6.45	1.06	0.10	0.12	0.01	0.28	0.09	1233	217	119	34	194
stdev	3.54	2.43		0.39	1.06	0.26	0.19	0.59	1.12	0.13	0.05	0.06	0.01	0.26	0.10	233	29	39	6	24
n	7	7	1	6	6	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6
mottled zone within Goldenville																				
mean	60.83	19.85		1.17	6.79	2.26	1.35	1.08	5.34	0.86	1.03	0.14	0.06	1.80	0.03	1006	195	117	35	253
stdev	2.58	2.34		0.49	2.08	0.68	1.30	0.63	1.06	0.26	0.63	0.05	0.07	1.44	0.07	241	38	66	5	182
n	7	7	1	6	6	7	7	7	7	7	7	7	6	6	6	7	7	7	7	7
Moshers Island Member, Halifax Formation																				
mean	66.30	17.73		0.73	5.35	2.24	0.66	1.13	3.68	0.71	0.72	0.11	0.16	0.73	0.01	963	137	167	27	140
stdev	7.10	4.85		0.52	1.33	0.55	0.80	0.61	1.89	0.18	0.83	0.07	0.18	0.89	0.01	552	71	29	4	23
n	7	7	1	6	6	7	7	7	7	7	7	7	6	6	6	7	7	7	7	7
Cunard Member silty wackes (n=2)																				
mean	71.02	16.42		0.00	5.55	2.55	0.09	0.58	2.65	0.79	0.25	0.10	0.65	0.58	0.07	640	102	261	24	160
Cunard Member slates																				
mean	60.50	24.33		0.94	4.41	2.44	0.06	1.30	4.25	1.41	0.24	0.12	0.07	0.02	0.73	945	160	685	42	178
stdev	2.83	1.93		0.32	1.51	0.60	0.05	0.24	0.51	0.17	0.07	0.02	0.07	0.03	0.31	65	18	146	7	18
n	3	3	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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	Nb	Pb	Ga	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Mo	Sb	Cs	La	Ce	Sm	Tb	Yb	Lu
85450	12	13	17	59	5	21	80	78	1.70		3.9		26.0	2	0.5		35					
85451	20	7	33	52	41	33	183	152	0.80		3.6		70.2		0.9		38					
85452	8	7	13	48	32	17	72	48	1.60		3.4		72.4	4	1.0		31					
85453	25	12	27	38	3	27	127	195	1.80		2.1		76.6	2	1.0		51					
85454	9	6	14	33	4	8	45	30	1.50		3.1		47.0	2	0.6		27					
85455	12		13	88	15	27	37	46	0.10		10.0		75.9	1	1.1		13					
85456	7	11	10	37	15	10	33	31	0.41		2.3		12.0		0.3		37					
85457	13	5	27	117	5	48	145	116	0.41		7.4		39.0	1	1.7		40					
85458	7	21	7	14	7	32	31	27	0.09		3.2		15.0		0.3		31					
86020	11	11	19	84	15	35	107	94	1.00	14.0	5.0	20	43.0		0.9	7.0	37	87	5.7			
86021	8		11	26	3	10	39	45	1.20	4.7	1.9		5.0		0.4	2.0	28	56	3.8			
86022	10		17	67	9	25	86	79	2.32	11.0	3.3	14	52.0		0.8	5.0	32	64	4.7			
86023	22	5	28	134	24	29	158	167	1.50	21.2	3.4	11	46.0		1.3	8.0	44	90	6.6	1.0		0.7
86024	10	3	13	51	9	18	59	65	1.60	7.4	3.1		25.0		0.4	3.0	32	66	4.4			
86025	16	11	26	100	27	38	141	144	1.70	19.0	4.2	12	78.0		1.1	9.0	47	95	7.1	1.0		0.6
86026	11	5	16	26	1	10	60	60	1.50	8.0	2.5		26.0		0.6	5.0	51	95	6.8	1.0		
86027	15		18	74	350	47	86	96	0.93	14.0	5.9	12	51.0		1.5	6.0	54	113	8.2	1.0		0.8
86028	11		24	114	564	57	110	111	0.66	18.0	9.4	31	64.0		1.4	8.0	58	115	8.4	2.0		0.8
86029	14	3	26	60	7	29	235	138	0.95	19.0	4.5	23	107.0		1.3	9.0	22	50	4.5	1.0		0.6
86030	17	12	26	144	4	53	104	118	0.51	20.6	7.6	32	96.0		4.1	12.0	42	83	5.8	1.0		0.5
86032	14		26	99	32	61	129	118	0.35	20.0	7.4	25	278.0		3.1	10.0	45	84	5.9			0.6
86033	15		27	58	5	42	131	123	0.78	22.4	4.6		84.0	2	1.2	11.0	48	90	6.0	1.2	3	0.6
86034	6		15	58	7	23	54	45														
86035	13	8	20	156	49	48	108	101	1.90	14.0	5.8	18	40.0	2	0.6	7.0	59	113	8.1	2.0	4	0.7
86036	22		31	98	23	32	191	194	0.68	25.8	5.7	17	55.0	1	1.3	12.0	35	74	6.2	1.0	4	0.7
86037	17		25	99	15	44	131	129	1.10	20.0	4.8	15	35.0	1	0.8	10.0	42	84	6.3	1.0	3	0.6
86038									1.10	6.6	6.8	16	33.0	2	0.4	2.6	31	59	4.7	1.3		0.3
86039																						
86040	17	2	33	83	20	54	158	143	0.73	23.8	6.4	13	29.0		1.3	15.0	41	88	5.4	0.8	3	0.5
86041	18	13	28	116	41	43	136	142														
86042	8	34	11	279	718	52	54	48														
86043	16	21	31	65	32	35	133	131	0.27	21.4	4.6	30	22.0		1.2	15.0	53	96	6.6			
86045	10	20	13	68	4	12	57	73														
86046	11		25	88	16	32	68	111	1.10	16.0	4.3		22.0	2	0.5	7.3	37	64	4.8	1.0		0.4
86047	14		19	161	23	98	190	111														
86048	13	7	17	207	25	16	90	100														
86049	18		23	50	3	7	162	151														
87621	16	3	29	86	14	14	185	166														
87622	23	2	28	49	7	11	207	204														
87623	12	2	23	180	47	18	121	99														

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	Nb	Pb	Ba	Zn	Cu	Ni	V	Cr	Na(%)	Sc	Fe	Co	As	Mo	Sb	Cs	La	Ce	Sm	Tb	Yb	Lu
Goldenville wackes																						
mean	10	8	16	65	15	23	76	71	1.55	9.4	4.0	17.0	35.8	2.5	0.6	4.5	37	77	5.5	1.4		0.5
stdev	2	3	3	39	16	12	22	19	0.39	3.4	1.5	2.2	18.1	0.9	0.2	1.9	10	20	1.4	0.4		0.2
n	8	6	8	8	8	8	8	8	9	7	9	4	9	4	9	7	9	7	7	3	1	2
Goldenville silty slate interbeds																						
mean	19	6	29	94	25	38	160	155	1.09	22.0	4.7	13.6	52.2	1.0	1.1	10.8	41	86	6.3	1.0	3.3	0.6
stdev	2	3	3	24	8	8	21	21	0.39	2.5	1.1	2.2	17.7	0.0	0.2	2.5	4	7	0.6	0.1	0.5	0.1
n	6	4	6	6	6	6	6	6	6	5	6	5	6	2	6	5	6	5	5	5	3	5
mottled zone within Goldenville																						
mean	16	9	25	84	138	45	132	128	0.85	19.0	5.9	24.6	108.1	2.0	1.9	9.3	46	89	6.5	1.2	3.0	0.7
stdev	4	4	3	34	210	12	45	30	0.44	2.6	2.3	7.2	71.5	0.0	1.1	2.0	11	22	1.4	0.4	0.0	0.1
n	7	3	7	7	7	7	7	7	7	6	7	5	7	2	7	6	7	6	6	5	1	6
Moshers Island Member, Halifax Formation																						
mean	13	19	22	128	120	46	112	105	0.59	18.7	5.4	30.0	27.7	1.5	1.1	11.2	43	80	5.7			
stdev	3	10	7	69	245	25	49	30	0.36	2.7	1.4	0.0	8.0	0.5	0.5	3.9	7	16	0.9			
n	7	5	7	7	7	7	7	7	3	2	3	1	3	2	3	2	3	2	2	1	0	1
Cunard Member silty wackes																						
mean	13	5	20	194	36	17	106	100														
Cunard Member slates																						
mean	19	3	27	62	8	11	185	174														
stdev	3	1	3	17	5	3	18	22														
n	3	2	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	Hf	Ta	W	Au	Th	U	unit	lith	unit	description
85450	10				7.5	1.7	2	3	Goldenville	wacke
85451	6				17.0	3.4	2	1	Goldenville	sandy slate
85452	6				4.4	1.0	2	3	Goldenville	wacke w/concretions
85453	10			259	19.0	4.7	4	4	mottled zone	green argillite
85454	8			4	5.8	1.2	2	6	Goldenville	concretion w/red top
85455	1				7.0	1.4	4	6	Goldenville	concretion
85456	8				7.2	1.0	2	10	Goldenville	shelly bed
85457	4				13.0	2.0	4	4	Moshers Island	green slatey argillite
85458	2			3	3.9	1.1	4	4	Moshers Island	Mn-argillite
86020	4				8.6	1.2	2	3	Goldenville	bioturb wacke w/slate partings
86021	7				6.2	1.0	2	3	Goldenville	vfg wacke
86022	5		4		6.4	1.4	2	3	Goldenville	x-lam, graded wacke
86023	7	2.0	6	11	16.0	3.2	2	1	Goldenville	slate
86024	8		2		6.9	1.4	4	3	Goldenville	hard wacke
86025	7	2.0	5		13.0	2.8	4	1	Goldenville	silty hard slate
86026	21		6		16.0	2.2	4	3	Goldenville	hard wacke; last ss below mottled zone
86027	23	1.0	10		20.0	2.7	4	4	mottled zone	bioturbated mottled zone base
86028	10	1.0	5	7	16.0	2.3	4	4	mottled zone	parallel-lam argillite
86029	4	1.0	5		13.0	3.5	4	4	mottled zone	parallel-lam argillite (manganiferous)
86030	4	1.0	6		14.0	1.8	4	4	mottled zone	argillite
86032	4		5		13.0	2.0	2	1	mottled zone	silty slate
86033	5				13.0	2.3	2	1	mottled zone	silty slate
86034							2	6	Goldenville	wacke concretion
86035	7	1.0	2	23	10.0	1.9	2	3	Goldenville	x-lam wacke
86036	5	2.0	3		19.0	4.2	2	3	Goldenville	slate; 9 cm bed-pair w/86035
86037	6	1.0	2		13.0	2.1	2	1	Goldenville	x-lam silty sl w/cl
86038	4	1.5	1		3.3	0.6	2	3	Goldenville	wacke
86039							2	1	Goldenville	slate above the shelly bed
86040	4	1.0	6	13	16.0	2.3	4	1	Goldenville	green slate
86041							4	1	Mosher Island	slate
86042							4	3	Mosher Island	wacke (pair w/41)
86043	5	1.0	5		16.0	2.8	4	1	Mosher Island	green slate
86045							4	3	Mosher Island	x-lam wacke (pair w/46)
86046	4				10.0	2.3	4	1	Mosher Island	green slate
86047							5	1	Mosher Island	black banded slate
86048							5	2	Cunard	siltstone w/py
86049							5	1	Cunard	black slate (pair w/48)
87621							5	1	Cunard	black slate
87622							5	1	Cunard	black stale
87623							5	2	Cunard	siltstone

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	Hf	Ta	W	Au	Th	U
Goldenville wackes						
mean	8.0	1.3	3.0		7.7	1.4
stdev	4.9	0.3	1.8		3.5	0.5
n	9	2	5	1	9	9
Goldenville silty slate interbeds						
mean	5.8	1.6	4.4	12.0	15.7	3.0
stdev	1.1	0.5	1.6	1.0	2.1	0.7
n	6	5	5	2	6	6
mottled zone within Goldenville						
mean	8.6	1.0	6.2	133	15.4	2.8
stdev	6.4	0.0	1.9	126	2.8	0.9
n	7	4	5	2	7	7
Moshers Island Member, Halifax Formation						
mean	4.3				13.0	2.4
stdev	0.5				2.4	0.3
n	3	1	1	0	3	3
Cunard Member silty wackes						
mean						
Cunard Member slates						
mean						
stdev						
n	0	0	0	0	0	0