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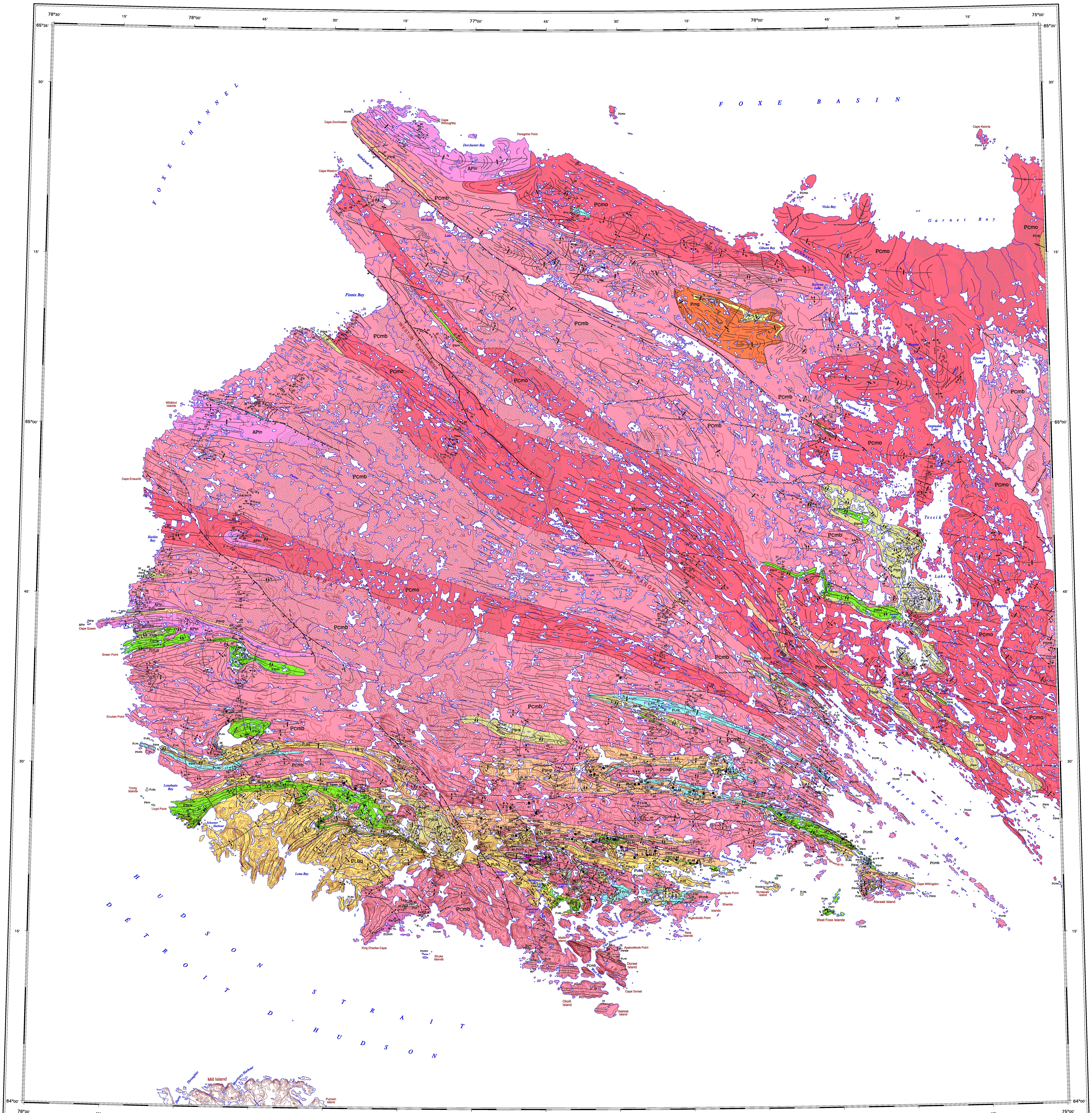
GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA

Map Key	GSC Sample No.	AU	PT	PD	AU_1	AG	CU	CD	MO	PB	NI	ZN	S	AL	AS	BA	BE	BI	BR	CA	CO	CR	CS	EU	FE
	Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	Detection Limit	1	0.5	0.5	2	0.3	1	0.3	1	3	1	1	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01
	Analysis Method	FA-MS	FA-MS	FA-MS	INAA	MULT INAA / TD-ICP	TD-ICP	TD-ICP	MULT INAA / TD-ICP	TD-ICP	MULT INAA / TD-ICP	MULT INAA / TD-ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA
1	06SAB-S124C-01	5	4	2	< 2	< 0.3	143	< 0.3	5	11	430	57	4	3	18	400	1	3	3	10	46	1220	2	1	6
2	06SAB-Y138A-01	2	0	2	< 2	0.3	114	0.6	4	5	82	136	2	2	18	3570	2	0	0	7	27	218	2	2	6
3	06SAB-Y136A-01	3	0	0	3	< 0.3	45	< 0.3	11	7	81	0	1	4	8	0	3	0	5	15	9	300	2	3	3
4	06SAB-Y092A-01	0	0	0	< 2	< 0.3	117	< 0.3	3	35	128	26	2	2	18	300	2	0	0	3	21	14	0	4	5
5	06SAB-Y092A-02	2	5	3	< 2	< 0.3	273	0.5	3	15	397	87	4	3	463	410	1	3	0	7	48	983	0	1	8
6	06SAB-Y092A-03	2	2	8	< 2	< 0.3	117	0.5	3	26	123	57	3	3	277	1680	1	0	0	4	27	198	2	2	6
7	06SAB-Y090A-03	2	4	4	< 2	< 0.3	134	< 0.3	3	11	335	75	3	3	278	540	1	0	0	10	41	898	0	1	7
8	06SAB-Y192A-01	3	5	5	5	< 0.3	364	< 0.3	3	0	711	31	6	2	21	170	4	4	0	9	98	1370	0	1	14
9	06SAB-D145A-01	3	1	1	9	< 0.3	62	0.5	2	81	19	101	1	3	37	960	2	0	0	1	7	67	15	1	4
10	06SAB-J202B-01	4	3	9	< 2	< 0.3	400	< 0.3	8	0	1300	0	18	1	84	0	1	15	0	3	232	33	0	1	26
11	06SAB-Y159A-01	0	1	2	< 2	< 0.3	94	0.3	4	31	64	87	4	6	20	970	2	0	0	0	24	139	4	2	7
12	06SAB-Y186A-01	0	1	1	14	< 0.3	46	< 0.3	4	24	30	135	1	4	4	400	1	0	0	2	11	105	3	2	6
13	06SAB-Y173A-01	0	1	1	< 2	< 0.3	66	< 0.3	19	8	118	3	2	4	9	0	0	0	0	5	12	84	0	0	4
14	06SAB-S257A-01	0	0	0	< 2	< 0.3	47	< 0.3	4	36	22	38	2	2	6	380	1	0	0	1	6	28	0	1	3
15	06SAB-Y191A-01	2	5	6	< 2	< 0.3	178	0.5	3	0	573	26	3	2	250	0	0	6	0	7	71	1680	0	1	9
16	06SAB-J201B-01	0	6	4	< 2	< 0.3	179	0.4	3	7	309	0	2	3	13	190	0	6	0	8	48	1400	0	1	7
17	06SAB-Y165B-01	0	0	1	< 2	< 0.3	100	< 0.3	11	7	131	15	8	2	6	1680	1	0	0	4	29	25	0	1	14
18	06SAB-Y165B-02	4	0	6	< 2	0.5	381	< 0.3	15	13	245	27	13	1	18	1160	0	8	3	2	67	33	0	0	20
19	06SAB-M223A-01	2	0	0	< 2	1	111	< 0.3	3	11	217	21	3	3	214	310	12	0	0	11	60	423	0	3	10
20	06SAB-W089A-01	0	1	0	8	< 0.3	26	< 0.3	3	23	12	119	0	4	5	860	1	0	0	1	5	90	5	1	4
21	06SAB-Y193A-01	2	2	2	< 2	< 0.3	71	0.5	7	7	193	31	1	4	32	850	2	0	0	5	29	536	0	2	5
22	06SAB-Y190A-01	1	4	3	< 2	< 0.3	204	< 0.3	4	5	260	146	2	3	14	200	2	0	0	12	35	1260	0	1	10
23	06SAB-D143A-01	6	6	7	8	< 0.3	104	< 0.3	2	8	375	41	1	3	246	220	0	8	0	7	44	1050	0	1	8
24	06SAB-J200A-01	8	6	5	< 2	< 0.3	301	< 0.3	5	0	1500	12	12	2	50	0	0	0	0	5	177	842	0	1	19
25	06SAB-Y194A-01	2	1	1	5	< 0.3	123	0.5	8	15	150	117	1	3	21	330	2	0	0	9	42	350	1	4	10
26	06SAB-Y189C-01	2	3	3	< 2	< 0.3	334	< 0.3	3	0	555	21	3	3	17	170	0	2	0	11	63	903	0	2	9
27	06SAB-Y185A-01	0	1	1	< 2	0.5	112	0.3	2	6	113	68	4	2	7	220	2	0	0	7	32	179	3	6	7
28	06SAB-S256A-01	0	0	2	< 2	0.3	60	< 0.3	11	4	24	13	1	2	4	220	0	0	0	1	5	64	2	1	3
29	06SAB-W088A-01	0	0	3	< 2	0.4	165	1	2	38	45	87	2	6	30	680	2	0	0	1	18	116	3	1	3
30	06SAB-J199A-01	6	0	2	< 2	< 0.3	65	< 0.3	1	9	14	30	1	2	16	220	1	0	0	1	7	22	0	1	2
31	06SAB-D142A-01	14	4	12	13	< 0.3	275	1.1	4	11	78	209	3	3	17	0	2	0	0	3	27	58	0	1	7
32	06SAB-D141A-01	4	1	5	< 2	< 0.3	284	0.7	3	12	47	186	2	3	4	470	2	0	0	3	18	85	0	1	5
33	06SAB-Y188A-01	7	6	4	9	< 0.3	148	< 0.3	3	0	622	10	3	3	17	270	1	5	0	9	68	1580	0	4	8
34	06SAB-Y188B-01	2	5	5	< 2	< 0.3	80	0.8	2	0	545	21	3	2	23	0	0	6	0	8	62	1370	0	1	7
35	06SAB-Y197A-02	0	4	6	5	< 0.3	69	< 0.3	2	79	18	36	1	3	4	600	1	0	0	0	11	110	3	2	5
36	06SAB-S255A-01	6	1	1	< 2	< 0.3	20	< 0.3	7	5	27	2	1	4	14	0	0	0	0	5	9	67	0	1	3
37	06SAB-S255B-01	2	1	1	3	< 0.3	111	< 0.3	4	7	149	0	3	3	14	160	4	0	0	7	41	155	0	3	6
38	06SAB-M222A-01	1	4	3	7	< 0.3	257	0.6	7	12	92	88	5	3	8	520	3	0	0	2	30	58	3	1	7
39	06SAB-D140A-01	4	0	1	< 2	< 0.3	42	< 0.3	4	43	31	25	2	3	8	4900	2	0	0	0	10	42	2	1	6
40	06SAB-J198A-01	6	5	7	11	< 0.3	126	0.3	12	13	59	75	2	4	19	450	2	0	0	5	22	78	1	1	6
41	06SAB-J198A-02	3	2	5	< 2	< 0.3	139	0.6	46	11	45	92	1	3	14	400	2	0	0	1	12	90	3	1	9
42	06SAB-Y187A-01	0	1	1	6	< 0.3	80	< 0.3	9	22	78	58	2	3	11	900	2	0	0	1	19	126	4	2	6
43	06SAB-Y184A-01	1	2	3	12	< 0.3	66	3.3	214	25	254	187	8	3	294	0	1	0	0	1	39	150	0	2	10
44	06SAB-Y184A-02	2	3	4	6	< 0.3	105	4.5	17	14	88	221	4	3	27	670	1	0	2	1	31	105	3	2	5
45	06SAB-J197A-02	3	3	12	< 2	0.4	194	1.5	4	7	100	39	3	3	21	680	1	0	0	1	32	58	2	1	4
46	06SAB-D139A-01	4	2	9	< 2	< 0.3	18	0.3	3	10	24	37	2	3	4	670	2	0	0	0	11	77	2	1	3
47	06SAB-J196B-01	3	4	17	< 2	< 0.3	201	2.4	12	15	51	328	2	3	7	260	1	0	0	1	13	151	1	1	6
48	06SAB-J196B-02	0	4	8	2	< 0.3	155	1	6	15	62	168	2	3	3	280	1	0	0	1	16	95	2	1	7
49	06SAB-C297A-01	3	0	1	< 2	< 0.3	218	1.7	12	15	194	251	5	3	3	360	2	0	0	0	13	109	2	1	7
50	06SAB-W087B-01	2	0	0	< 2	< 0.3	81	0.7	13	10	43	9	2	5	36	370	0	0	0	7	19	145	0	1	4
51	06SAB-M221A-01	2	1	2	10	< 0.3	96	< 0.3	3	5	49	2	3	4	6	360	2	0	3	5	47	63	0	1	4
52	06SAB-S254A-01	3	5	8	< 2	< 0.3	166	0.7	16	21	102	160	7	3	54	680	1	0	0	1	56	54	2	1	10
53	06SAB-S254A-02	0	0	0	6	< 0.3	9	< 0.3	2	7	5	5	0	3	4	420	7	0	0	10	15	18	2	4	9
54	06SAB-Y183A-01	1	2	4	< 2	< 0.3	104	< 0.3	6	17	36	5	2	3	10	420	2	0	0	3	32	62	3	1	6
55	06SAB-Y182B-01	2	1	2	< 2	< 0.3	43	< 0.3	9	8	33	12	2	3	22	1010	2	0	0	1	6	82	0	1	3
56	06SAB-S264B-01	0	0	1	< 2	< 0.3	55	< 0.3	2	4	61	24	2	4	9	0	4	0	2	3	25	76	0	1	5
57	06SAB-J172A-03	3	0	0	6	< 0.3	197	0.8	4	6	97	41	2	1	36	0	4	0	0	0	26	28	3	0	4

Map Key	GSC Sample No.	HF	HG	IR	K	MG	MN	NA	P	RB	SB	SC	SE	SR	TA	TI	TH	U	V	W	Y	LA	CE	ND	SM	SN	TB	YB	LU	MASS
	Unit Symbol	ppm	ppm	ppb	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	g
	Detection Limit	1	1	5	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1	0.01	0.5	0.2	0.05	
	Analysis Method	INAA	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
1	06SAB-S124C-01	2	< 1	< 5	2	5	1240	0	0	< 15	1	20	< 3	326	< 0.5	1	6	2	175	< 1	13	15	32	10	3	< 0.01	< 0.5	1	0	28
2	06SAB-Y138A-01	4	< 1	< 5	1	4	1320	0	0	49	0	15	< 3	188	3.6	1	5	4	170	< 1	15	44	89	23	7	< 0.01	< 0.5	2	0	19
3	06SAB-Y136A-01	6	< 1	< 5	1	5	313	1	0	< 15	0	26	< 3	54	4.7	1	8	14	245	< 1	64	99	255	87	22	< 0.01	2.3	7	1	26
4	06SAB-Y092A-01	15	< 1	< 5	0	0	366	4	0	< 15	0	6	< 3	450	6.3	0	8	2	17	< 1	52	0	134	41	15	< 0.01	2.6	10	1	25
5	06SAB-Y092A-02	1	< 1	< 5	0	8	1780	1	0	< 15	0	26	< 3	337	< 0.5	0	1	0	238	< 1	14	10	22	9	3	< 0.01	< 0.5	2	0	24
6	06SAB-Y092A-03	3	< 1	< 5	1	3	1300	2	0	< 15	0	19	< 3	575	< 0.5	1	7	0	157	< 1	12	26	51	14	4	< 0.01	< 0.5	2	0	22
7	06SAB-Y090A-03	2	< 1	< 5	0	5	1880	1	0	< 15	0	24	< 3	704	4	1	4	0	255	< 1	18	16	39	10	4	< 0.01	1	2	0	26
8	06SAB-Y192A-01	3	< 1	< 5	0	8	1500	0	0	29	0	24	< 3	209	1.3	1	2	2	182	< 1	18	18	38	22	4	< 0.01	0.6	2	0	16
9	06SAB-D145A-01	4	< 1	< 5	4	1	548	1	0	136	0	14	< 3	125	< 0.5	0	13	2	89	< 1	6	38	70	19	5	< 0.01	< 0.5	2	0	25
10	06SAB-J202B-01	1	< 1	< 5	0	0	167	1	0	43	0	6	< 3	78	< 0.5	0	2	1	77	< 1	3	7	16	0	2	< 0.01	< 0.5	1	0	34
11	06SAB-Y159A-01	2	< 1	< 5	3	1	397	1	0	107	0	17	< 3	179	< 0.5	0	20	7	132	< 1	13	62	126	30	8	< 0.01	< 0.5	3	1	17
12	06SAB-Y186A-01	5	< 1	< 5	2	1	434	3	0	102	0	19	< 3	166	2	0	18	5	144	< 1	6	49	85	40	6	< 0.01	1.3	3	1	15
13	06SAB-Y173A-01	4	< 1	< 5	0	3	192	3	0	< 15	0	6	< 3	27	2.9	0	16	7	76	5	7	0	14	0	1	< 0.01	< 0.5	1	0	22
14	06SAB-S257A-01	16	< 1	< 5	2	0	169	1	0	63	0	5	< 3	110	< 0.5	0	52	26	69	< 1	10	21	43	8	2	< 0.01	< 0.5	2	0	26
15	06SAB-Y191A-01	3	< 1	< 5	0	11	1060	0	0	< 15	0	26	< 3	47	1.4	1	2	0	225	< 1	12	12	27	20	3	< 0.01	< 0.5	2	0	17
16	06SAB-J201B-01	2	< 1	< 5	0	11	1110	0	0	< 15	0	27	< 3	621	< 0.5	1	1	0	268	< 1	11	14	26	10	3	< 0.01	< 0.5	1	0	28
17	06SAB-Y165B-01	3	< 1	< 5	2	2	382	0	0	106	0	8	< 3	161	< 0.5	0	13	8	65	< 1	14	35	69	16	4	< 0.01	< 0.5	2	0	15
18	06SAB-Y165B-02	2	< 1	< 5	1	1	226	0	0	82	0	6	< 3	85	< 0.5	0	9	6	40	< 1	7	24	45	11	2	< 0.01	< 0.5	1	0	18
19	06SAB-M223A-01	7	< 1	< 5	1	6	1390	1	0	< 15	0	28	< 3	407	5.5	3	5	0	371	< 1	22	56	110	37	10	< 0.01	< 0.5	2	0	33
20	06SAB-W089A-01	4	< 1	< 5	4	1	514	1	0	165	0	18	< 3	119	1.9	0	17	5	158	< 1	5	48	102	24	6	< 0.01	< 0.5	3	0	26
21	06SAB-Y193A-01	7	< 1	< 5	2	4	666	1	0	51	0	14	< 3	143	< 0.5	0	17	3	124	5	17	34	57	25	4	< 0.01	0.5	3	0	16
22	06SAB-Y190A-01	2	< 1	< 5	0	2	4320	0	0	< 15	0	21	< 3	286	0.5	1	4	3	209	6	18	14	32	17	3	< 0.01	< 0.5	3	1	27
23	06SAB-D143A-01	2	< 1	< 5	0	11	1490	0	0	< 15	2	24	< 3	81	< 0.5	1	4	4	222	< 1	15	15	27	10	3	< 0.01	< 0.5	2	0	29
24	06SAB-J200A-01	1	< 1	< 5	0	5	400	1	0	< 15	0	17	< 3	67	< 0.5	0	2	1	170	< 1	6	8	20	7	2	< 0.01	< 0.5	1	0	28
25	06SAB-Y194A-01	10	< 1	< 5	0	4	1480	1	0	< 15	0	24	< 3	536	5	2	9	3	337	< 1	28	57	128	9	11	< 0.01	1.3	3	0	22
26	06SAB-Y189C-01	3	< 1	< 5	0	7	1180	0	0	< 15	0	22	< 3	349	1.5	1	3	0	265	< 1	17	20	40	26	4	< 0.01	< 0.5	2	0	23
27	06SAB-Y185A-01	9	< 1	< 5	1	4	1740	0	0	37	0	18	< 3	121	4.5	1	7	2	208	< 1	24	61	113	67	10	< 0.01	1.6	2	0	16
28	06SAB-S256A-01	3	< 1	< 5	1	1	88	1	0	43	0	7	< 3	59	< 0.5	0	7	3	108	< 1	5	22	47	11	3	< 0.01	< 0.5	2	0	26
29	06SAB-W088A-01	4	< 1	< 5	4	2	1320	1	0	124	0	14	< 3	85	< 0.5	0	11	4	95	< 1	9	36	88	35	5	< 0.01	< 0.5	2	0	13
30	06SAB-J199A-01	2	< 1	< 5	1	1	279	1	0	< 15	0	5	< 3	64	< 0.5	0	4	2	42	< 1	11	17	33	8	3	< 0.01	< 0.5	2	0	25
31	06SAB-D142A-01	2	< 1	< 5	1	2	2540	1	0	< 15	0	17	< 3	144	< 0.5	1	6	2	191	< 1	18	13	34	11	3	< 0.01	1	2	0	31
32	06SAB-D141A-01	3	< 1	< 5	2	3	1230	2	0	< 15	0	19	< 3	146	< 0.5	1	8	4	191	< 1	21	17	33	12	3	< 0.01	< 0.5	2	0	28
33	06SAB-Y188A-01	3	< 1	< 5	0	10	1090	0	0	< 15	0	29	< 3	336	1.3	1	2	0	269	< 1	13	22	50	23	5	< 0.01	< 0.5	2	0	15
34	06SAB-Y188B-01	2	< 1	< 5	0	12	1180	0	0	< 15	0	22	< 3	74	0.7	0	1	1	182	< 1	10	9	20	14	2	< 0.01	< 0.5	1	0	16
35	06SAB-Y197A-02	6	< 1	< 5	4	1	691	0	0	89	0	13	< 3	99	1.4	0	17	3	127	< 1	6	45	87	37	6	< 0.01	0.7	2	0	13
36	06SAB-S255A-01	2	< 1	< 5	1	3	704	3	0	< 15	0	24	< 3	188	< 0.5	1	4	2	400	< 1	16	0	36	19	3	< 0.01	< 0.5	2	0	23
37	06SAB-S255B-01	5	< 1	< 5	1	4	341	3	0	< 15	0	13	< 3	42	5.8	1	12	4	206	< 1	36	141	298	79	16	< 0.01	1.9	3	0	26
38	06SAB-M222A-01	4	< 1	< 5	2	1	1380	1	0	< 15	0	7	< 3	91	< 0.5	0	11	5	187	< 1	24	37	72	18	5	< 0.01	< 0.5	3	1	27
39	06SAB-D140A-01	6	< 1	< 5	3	1	288	0	0	< 15	0	6	< 3	56	1.9	0	16	4	65	< 1	7	35	59	16	4	< 0.01	< 0.5	2	0	30
40	06SAB-J198A-01	3	< 1	< 5	1	2	1130	1	0	66	0	25	< 3	217	2.2	1	6	3	379	< 1	15	23	46	13	4	< 0.01	< 0.5	3	0	27
41	06SAB-J198A-02	3	< 1	< 5	2	1	334	2	0	92	0	12	< 3	157	< 0.5	0	12	6	322	< 1	7	29	57	10	4	< 0.01	< 0.5	2	0	25
42	06SAB-Y187A-01	5	< 1	< 5	3	1	466	2	0	137	0	11	< 3	120	2.5	0	17	7	122	12	5	49	89	43	7	< 0.01	< 0.5	3	1	15
43	06SAB-Y184A-01	4	< 1	< 5	2	1	186	0	0	114	0	16	< 3	93	< 0.5	0	29	27	406	< 1	10	85	155	44	9	< 0.01	< 0.5	4	1	14
44	06SAB-Y184A-02	5	< 1	< 5	3	1	294	1	0	95	0	19	< 3	72	< 0.5	0	23	4	164	5	6	57	110	43	7	< 0.01	< 0.5	2	0	15
45	06SAB-J197A-02	3	< 1	< 5	3	1	454	0	0	< 15	0	13	< 3	47	< 0.5	0	14	3	91	< 1	9	40	76	25	5	< 0.01	< 0.5	2	0	24
46	06SAB-D139A-01	5	< 1	< 5	4	0	120	0	0	131	0	6	< 3	36	2.4	0	23	24	122	3	8	32	54	14	3	< 0.01	< 0.5	2	0	28
47	06SAB-J196B-01	3	< 1	< 5	3	2	943	0	0	84	0	15	< 3	76	< 0.5	0	11	7	318	< 1	19	36	60	19	5	< 0.01	< 0.5	3	0	24
48	06SAB-J196B-02	4	< 1	< 5	2	2	1010	0	0	47	0	16	< 3	62	< 0.5	0	9	4	263	< 1	19	33	59	18	5	< 0.01	< 0.5	3	0	23
49	06SAB-C297A-01	5	< 1	< 5	4	1	459	1	0	110	0	14	< 3	39	3.1	0	19	13	495	< 1	18	51	83	27	7	< 0.01	1.2	4	1	25
50	06SAB-W087B-01	3	< 1	< 5	1	4	815	2	0	< 15	0	31	< 3	247	< 0.5	1	4	2	368	< 1	22	20	48	23	5	< 0.01	< 0.5	2	0	25
51	06SAB-M221A-01	3	< 1	< 5	2	3	227	4	0	< 15	0	10	< 3	131	2.8	0	14	6	59	< 1	8	0	63	0	4	< 0.01	< 0.5	1	0	29
52	06SAB-S254A-01	2	< 1	< 5	3	1	192	1	0	92	0	13	< 3	73	< 0.5	0	10	4	166	< 1	4	37	70	12	5	< 0.0	< 0.5	2	0	27
53	06SAB-S254A-02	12	< 1	< 5	1	6	1780	1	0	< 15	0	5	< 3	189	5.1	2	2	2	300	< 1	46	80	142	28	10	< 0.01	1.7	3	0	30
54	06SAB-Y183A-01	2	< 1	< 5	2	2	1790	1	0	< 15	0	11	< 3	52	< 0.5	0	11	3	75	< 1	15	35	82	20	5	< 0.01	< 0.5	2	0	16
55	06SAB-Y182B-01	3	< 1	< 5	3	1	113	2	0	99	1	17	< 3	96	< 0.5	0	16	6	168	< 1	12	42	81	25	5	< 0.01	< 0.5	3	0	18
56	06SAB-S264B-01	3	< 1	< 5	0	2	277	5	0	81	1	13	< 3	41	< 0.5	0	13	5	72	< 1	9	9	35	12	3	< 0.01	< 0.5	1	0	24
57	06SAB-J172A-03	0	< 1	< 5	1	0	156	0	0	54	0	3	< 3	34	1.4	0	2	4	33	6	5	0	10	0	1	< 0.01	< 0.5	1	0	25

Table 1. Table of assay sample results.



LEGEND

This legend is common to maps OF5433 and OF5434. Coloured legend blocks indicate map units that appear on this map. Not all map symbols shown in the legend appear on this map.

QUATERNARY

PLEISTOCENE–RECENT

- **Q** — *Unconsolidated deposits including glacial (mostly till), marine, lacustrine, fluvial, and bog deposits.*

unconformity

ORDOVICIAN

UPPER ORDOVICIAN

- **uOF** — *FOSTER BAY FORMATION: limestone and dolomitic limestone; beige to medium brown; thin to thick uniformly bedded; bituminous in lower part with biohermal development.*
- **uOAK** — *AKPATOK FORMATION: limestone; light grey; argillaceous, resistant, nodular bedded.*
- **uOBR** — *BOAS RIVER FORMATION: limestone; dark brown; uniformly thin bedded; bituminous to petroliferous (?); distribution uncertain.*
- **uOA** — *AMADJUAK FORMATION: limestone; tan to dark brown; nodular bedded, weathers massive; argillaceous to shaly in lower part.*

MIDDLE ORDOVICIAN

- **mOF** — *FROBISHER BAY FORMATION: limestone; greyish brown to greenish grey; thin uniformly bedded to nodular bedded in lower part.*

unconformity

NEOPROTEROZOIC

- **NFdb** — *FRANKLIN INTRUSIONS: tholeiitic diabase dykes; medium-grained with ophitic texture; narrow chilled margins.*

intrusive contact

PALEOPROTEROZOIC

- **Pmg** — *Biotite-garnet monzogranite; peraluminous, locally with cordierite and sillimanite; commonly contains inclusions of sedimentary rock; foliated to gneissic.*

intrusive contact

CUMBERLAND BATHOLITH

- **PCmm** — *Muscovite-biotite monzogranite; medium- to fine-grained; foliated.*
- **PCmc** — *Clinopyroxene-biotite monzogranite; medium- to fine-grained; foliated.*
- **PCmb** — *Biotite±orthopyroxene monzogranite; locally with magnetite±hornblende medium- to coarse-grained; massive to foliated.*
- **PCmk** — *K-feldspar-megacrystic biotite±orthopyroxene monzogranite to syenogranite (charnockite); medium- to coarse-grained; foliated to massive.*
- **PCmo** — *Orthopyroxene-biotite monzogranite to syenogranite (charnockite); medium- to coarse-grained; foliated to gneissic; locally with quartz diorite, diorite, and metaperidotite boudins.*
- **PCd** — *Hornblende-orthopyroxene-clinopyroxene diorite, quartz diorite; locally layered with compositions ranging from leucodiorite to anorthosite; locally with abundant hornblende-biotite monzogranite; fine- to medium-grained; foliated to massive.*

intrusive contact

SCHOONER HARBOUR SEQUENCE

- **PSHp** — *Psammite, semipelite, pelite; minor hornblende-bearing calcsilicate layers and beds.*
- **PSHv** — *Metabasalt, amphibolite; ultramafic±intermediate volcanic rocks; massive amygdular strata and volcanic breccia; volcaniclastic sedimentary strata; minor quartzite, semipelite, iron-formation, conglomerate; metagabbro; metaperidotite.*
- **PSHg** — *Metagabbro, amphibolite; medium- to coarse-grained.*
- **PSHpe** — *Metaperidotite; olivine- and pyroxene-phyric; metapyroxenite, metadiorite.*
- **PSHs** — *Semipelite, pelite; graphitic, pyrrhotite-pyrite schist, and slate; silicate and sulphide-facies iron-formation.*

stratigraphic contact (?)

LONA BAY SEQUENCE

- **PLBq** — *Quartzite; K-feldspar+sillimanite±muscovite (faserkiesel) bearing; feldspathic arenite, conglomerate.*

disconformity (?)

LAKE HARBOUR GROUP

- **PLHp** — *Psammite, semipelite, pelite; white biotite-garnet leucogranite pods and seams.*
- **PLHc** — *Marble, calc-silicate; minor siliciclastic layers; white biotite-garnet leucogranite pods and seams.*
- **PLHq** — *Quartzite, feldspathic quartzite; semipelite, orthoquartzite, pelite; minor marble, calc-silicate, sulphide-facies iron-formation, conglomerate; white biotite-garnet leucogranite pods and seams; massive quartz veins.*

unconformity (?)

ARCHEAN OR PROTEROZOIC

- **APtn** — *Biotite±hornblende±orthopyroxene granodiorite to tonalite; foliated to gneissic; interlayered with biotite monzogranite to syenogranite.*

Geological contact (defined, inferred)
Form lines
Normal fault (defined, inferred); solid circle indicates downthrown side
Oblique-slip fault (defined, inferred)
Bedding, top known (inclined, overturned)
Bedding, top unknown (inclined, vertical)
Bedding transposed with structural fabric (inclined)
Flow contact, top unknown (inclined)
Igneous layering, top known (vertical)
Igneous layering, top unknown (inclined)
Cleavage, first generation (inclined, vertical)
Cleavage, second generation (inclined)
Foliation, first generation (inclined, vertical)
Foliation, second generation (inclined, vertical)
Foliation, third generation (inclined)
Gneissosity, first generation (inclined)
Gneissosity, second generation (vertical)
Mineral lineation, first generation (plunging)
Mineral lineation, second generation (plunging)
Mesoscopic fold axis, first generation plunging (S-fold, U-fold, Z-fold)
Mesoscopic fold axis, second generation plunging (S-fold, U-fold, Z-fold)
Mesoscopic fold axis, third generation plunging (U-fold, Z-fold)
Mesoscopic fold axis, unknown generation plunging (U-fold, Z-fold)
Fold axial plane, first generation (inclined, vertical)
Fold axial plane, second generation (inclined, vertical)
Fold axial plane, third generation (inclined, vertical)
Shear band, dextral slip (inclined)
Shear band, sinistral slip (inclined)
Mesoscopic shear zone, reverse-slip (inclined)
Mesoscopic shear zone, dextral-slip (inclined)
Mesoscopic shear zone, oblique-slip (dextral, normal), (inclined)
Mesoscopic shear zone, oblique-slip (dextral, reverse), (inclined)
Mesoscopic shear zone, oblique-slip (sinistral, reverse), (inclined)
Glacial striae (direction of ice movement determined, undetermined)
D_1 antiform, defined (upright, overturned)
D_1 synform, defined (upright, overturned)
D_2 antiform, defined (upright, overturned)
D_2 synform, defined (upright, overturned)
D_2 fold (undefined)
D_3 antiform, defined (upright, overturned)
D_3 synform, defined (upright, overturned)
D_3 fold (undefined)
Assay sample location and number (see Table 1, OF5434)
Potential carving stone material; includes metaperidotite or metadiorite in granitic host; skarn developed at marble-granite contact; ultramafic metavolcanic strata

Authors: M.R. St-Onge, M. Sanborn-Barrie, and M.D. Young

Geology by M.R. St-Onge, M. Sanborn-Barrie, M.D. Young, J. Butler, J. Rae, A. Smye, C. Yakymchuk, N. Rayner, D.J. Scott, N. Wodicka, T. Lynds, and B. Harvey, 2006; D. James, 2006, Canada-Nunavut Geoscience Office

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Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Digital base map from data compiled by Geomatics Canada, modified by DDD

Mean magnetic declination 2007, 29°30'W, decreasing 29.3' annually. Readings vary from 26°51'W in the SW corner to 31°56'W in the NE corner of the map

Elevations in metres above sea level

OPEN FILE 5434

GEOLOGY

FOXE PENINSULA

BAFFIN ISLAND

NUNAVUT

Scale 1:200 000/Échelle 1/200 000

kilometres 5 0 5 10 15 20 kilomètres

Universal Transverse Mercator Projection
North American Datum 1983

Projection transverse universelle de Mercator
Système de référence géodésique nord-américain, 1983

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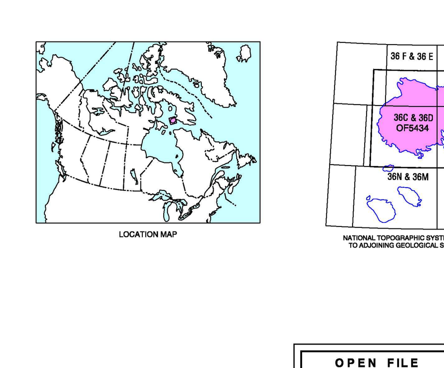
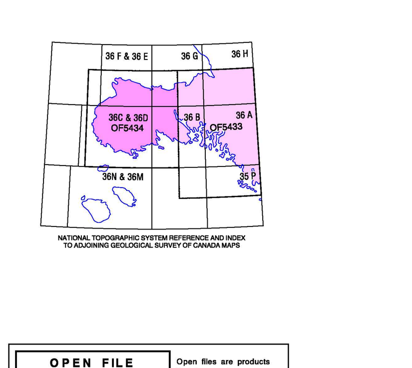


LOCATION MAP



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