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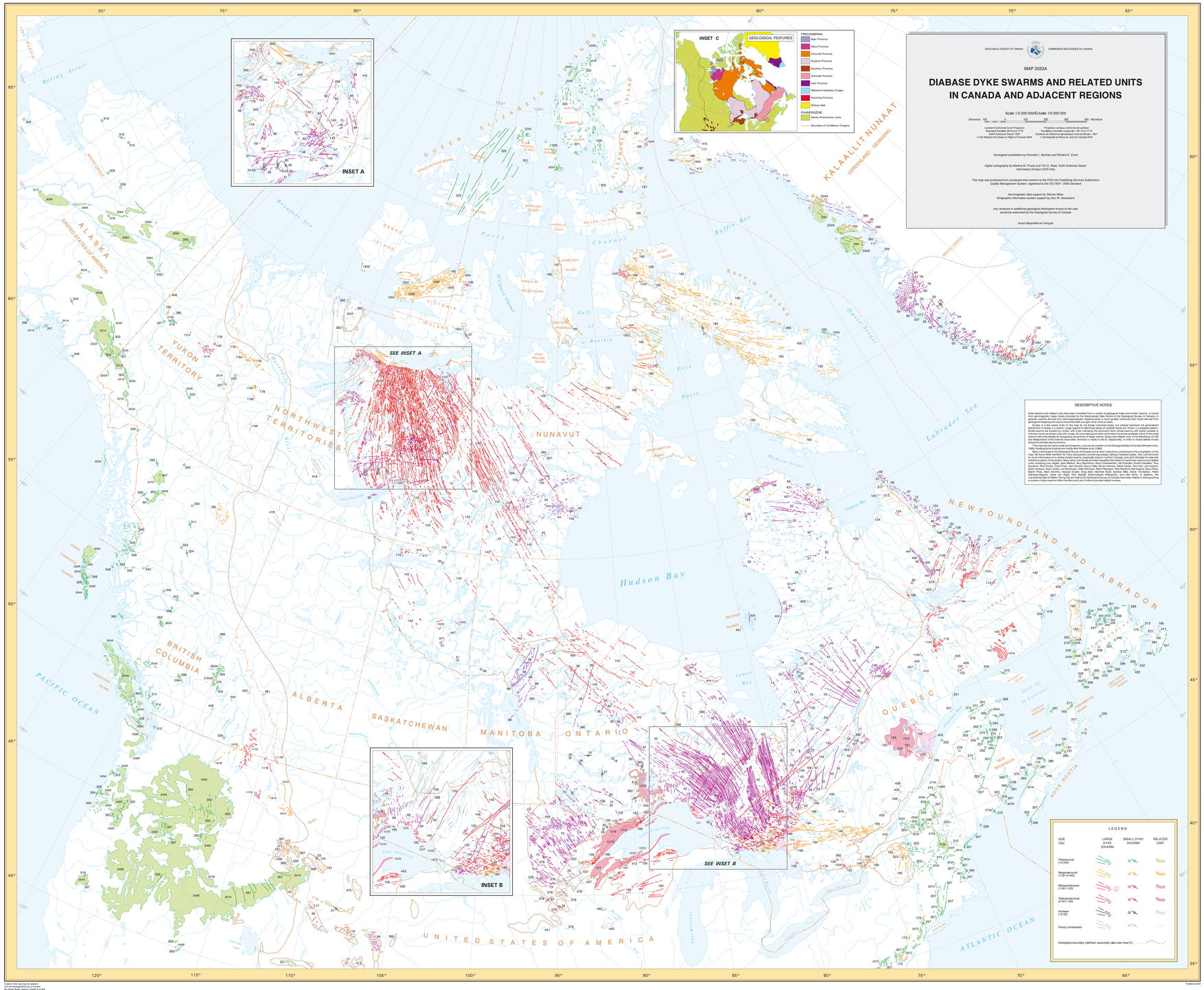

GEOLOGICAL SURVEY OF CANADA

COMMISSION GÉOLOGIQUE DU CANADA

MAP 2022A

DIABASE DYKE SWARMS AND RELATED UNITS IN CANADA AND ADJACENT REGIONS

Scale 1:5 000 000/Échelle 1/5 000 000

Kilometres 100 0 100 200 300 400 Kilomètres

Projection conique conforme de Lambert
Parallèles d'échelle conservée: 50° N et 77° N
Conic Conformal Projection, Lambert Conformal Conic
Standard Parallels 50°N and 77°N
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Geological compilation by Kenneth L. Buchan and Richard E. Ernst

Digital cartography by Marlene M. Proulx and Tim D. Weal, Earth Sciences Sector Information Division (ESS Info)

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Aeromagnetic data supplied by Warner Miles
Geographic information system support by Dorin W. Denoyers

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

Aussi disponible en français

EXPLANATORY NOTES

A more detailed table and a reference list are provided in a booklet that accompanies this map.

No.: Dyke swarm number.

DRAINE NAME: A dyke swarm is a set of dykes (emplaced as subvertical sheets) of similar age that are parallel to subparallel in spite of local variations in orientation. Dyke swarms are named and numbered; there are few details concerning ages, a single name has been employed for dykes having more than one trend or age, Swarm names assigned herein or in Ernst et al. (1995) and Ernst and Buchan (2001) are used here and on the map. Alternate names for the swarm are in parentheses, preceded by a semicolon. Alternate names for the swarm are in round brackets, (.). Obsolete names for the swarm are in square brackets, [.]. Abbreviations are used to indicate dowsed dykes (sd) and feeder dykes (fd). In addition, abbreviations are used to indicate that the dyke is a: (a) Mesozoic dyke (Mz); (b) Neoproterozoic dyke (Np); (c) Paleoproterozoic dyke (Pa). The numbers (1), (2), and (3) indicate respectively that more than one swarm, possibly more than one swarm, or two swarms are referred to by a single swarm name, to indicate that the dyke is a member of a dyke swarm but the dyke is not known to be part of any specific well-established regional dyke swarm. Several swarms of alkaline lamprophyres that are volcanic enriched equivalents of alkali basaltic rocks (e.g., Rock, 1991, p. 11–12, 123) have been included and are indicated by the suffix (lam). Dykes of the Mackenzie Large Igneous Province, including olivine tholeiites and gabbro/diorite, to swarms in which some dykes have compositions other than basalt, a plus (+) precedes the additional composition. The word 'mafic' is used for dyke swarms that are known to be mafic, but have not been analysed as basalts or composites.

LAT and LONG: Locations of small swarms and representative localities within large swarms are given in terms of latitude (LAT) and longitude (LONG) to assist the reader in locating the swarms on the map.

AGE: Swarms are listed in approximate chronological order (oldest to youngest), except for very poorly dated swarms. Ages are in millions of years (Ma) or in millions of years ago (Ma). Ages for which only one age information was obtained after the map was compiled. The symbol '~' indicates a standard geological interval with age range assigned on the basis of the Geological Time Chart of Okulitch (2002). Ages in parentheses are ages that are not considered reliable for various reasons (e.g. inconsistent relationships, by paleomagnetic correlation (M), or by isotopic dating (I) = U-Pb (T = ID-TIMS), K = K-Ar, A = Ar/Ar, R = Rb-Sr, S = Sm-Nd, o = baddeleyite, z = zircon). In general, U-Pb ages are the best dates for the igneous crystallization of the dyke, but inherited zircon can make dates too old, while metamorphic overprints or other methods are commonly less well constrained and may represent age of emplacement or age of metamorphic overprinting. Other abbreviations include dykes (d), sills (s), intrusive (i), and intrusions (i). A question mark indicates that the age or age correlation is unknown.

RELATED UNIT(S): Related igneous units include volcanic rocks (v), sills (s), intrusions (i), other dyke swarms (d), and symplutonic complexes (c) that are linked to a dyke swarm only because of a feeder relationship or identical age and geographic proximity. Note that in the case of sills and dykes, some sills may be feeders to dykes but others may not, depending on the level of erosion and there is inevitably uncertainty in the correlation. Only related units whose names are followed by a label (v,s, d(i), i(d)d), are shown on the map. Labels that include a letter (e.g.,i(d)d) do not refer to dyke swarms and hence do not appear in the Volume No.1, Obsolete related unit names are in square brackets, [.].

No.	DRAINE NAME	LAT (°N)	LONG (°W)	AGE (Ma)	RELATED UNIT(S)
			Archean		
1	**Amerdlok** (mc; dc) (+1)	64.09	51.37	(a) 3012 ± 7 (U-Pb, z)	(?) Malene (d) (R2)
2	**Akilia** (mc; dc) (+1)	64.92	51.50	3.7–3.850	(?) Amitsoq (d) (R1)
3	**Tasiusaq** (mc; dc)	63.58	51.08	2.2820	(?) Arkaitsilik (d) (R1) Nunuaq (d) (R4)
4	**Nunuaq** (mc; dc)	63.83	50.90	2.2820; >M1	
5	**Qasigiannguit** (mc; dc)	63.73	50.85	2.2820; >M4	
6	**Sarqarqiuseq Nord** (mc; dc)	62.71	50.32	2.2820	
7	**Ruotan Lake** (mc)	45.14	89.78	2.2820	
8	**Batson Lake** (mafic) (mc; dc)	49.83	89.41	2.2820	n, v)
9	**Fungus Lake** (mc)	50.52	89.10	2.2820	
10	**Stone Rock Lake** (mc; dc) (+1 in part) (+2)	48.90	91.40	2.2820	
11	**Lake of the Woods** (mc; dc)	49.50	94.00	2.2820	
12	**Bell River Complex**	49.80	77.63	2.2820	Bell River Complex
13	**Sagdlata Nuuk Dikes** (mc; dc)	62.69	49.37	2.71–2.2820	
14	**Lac Leo**	62.19	60.48	2.71–2.2820	
15	**Sugluk** (mc; dc)	56.55	62.75	2.9620–2620	
16	**Tersiarsiq** (mc; dc) (+1)	65.16	50.00	(c) 2462–2462	
17	**Hopedale** (mc; dc)	55.50	59.85	(i) 2100–2840	
18	**Montalvo-Cauchon-Assiniboiaan** (mc)	51.19	92.83	(c) 2875–2806	Montalvo assemblage (v) Cauchon assemblage (v)
19	**Kaminak Lake-Beaverlodge** (mc)	62.68	113.08	(a) 2734 ± 2	(?) Chan Formation (d) (R4) (?) Chan Formation (v)
20	**Post-Fairchild Dikes** (mc)	53.15	76.75	(i) ca. 2732–2716	
21	**Eye Bay** (mc)	69.50	76.00	(a) 2717 ± 19 (+1)	
22	**Post-Boehnite Intrusions**	55.35	76.75	(i) ca. 2716–2699	
23	**Stillwater Complex** (mafic)	45.39	110.00	(a) 2713–2703	Stillwater Complex (lc)(A)
24	**Wild Bight Group**	62.62	114.32	>2712	Otter Formation (v) (?) Pelican Lake-Swan 1 (d) (R16)
25	**Rowan Lake** (dyke) (mafic)	51.07	94.11	(a) 2708 ± 4	
26	**Ship Harbor** (sd)	52.95	112.25	ca. 2700	
27	**Eastern Lac Seul** (mafic) (mc; dc)	50.30	91.90	Q ~2692	
28	**Ely Greenstone**	47.67	92.00	# 2690 ± 80	Upper Ely Greenstone Member (v, s)
29	**Patterson Lake-Swain 2**	62.88	113.05	(a) 2687 ± 1	
30	**Lac de Gras**	64.50	110.25	(i) 2684–2661	
31	**Richmond Gulf**	56.20	76.20	Q ~2625	
32	**Kenoshi** (Cherry Creek; Kenoshi) (mc and dc in part)	42.20	108.50	(a) 2511 ± 1 (dikelet); 2505 ± 3 (sandstone)	
33	**Pickle Crow**	51.50	90.10	A ca. 1880	(?) Wolkom (d) (R8)
34	**Beverley** (Bathurst)	66.50	107.00	ca. 2000	
35	**Clotilde Bay** (mafic)	44.83	66.07	ca. 2000	
36	**Molson**	57.30	75.00	U(i) 1998 ± 1	
37	**Malda Group** (sd)	61.83	74.00	(+ Malda Group, metagabbro clast in Ketilidian Belt) (c)	(?)Malda Group (s, v) (R5W) (of Puhynirq ophiolite complex)
38	**Post-Thompson Lake Formation**	55.23	66.12	(+ Chance Lake-Kelly Lake Formation) 1930 ± 65	(Chance Lake-Kelly Lake Formation (v); Willbob Formation (v)
39	**Post-GTS Suite** (sd)	60.20	64.50	(2)TG Suite (ca. 1870)	
40	**Ivujivik**	58.50	71.50	ca. 1900	Eskimo Formation (v); Parrsboro Formation (v); and Nastapoka Group (c) (R2A)
41	**Wetungan**	49.67	91.75	ca. 1900	
42	**Sutton Inlier**	54.42	64.75	(?) Sutton Inlier (s) (R4A)	
43	**Wizard Lake** (sd)	54.42	64.75	(a) 2483 ± 1 (U-Pb, z); 2448 ± 3	
44	**Watscheseu** (Hearst) (d1)	49.50	82.50	(a) 2473 ±16 (U-Pb, zircon); 2448 ± 2	(?) Sutton Inlier (s) (R4A)
45	**Maksoq**	52.50	73.50	U ca. 2470	
46	**Kanmuk** (mm in part)	62.50	95.00	ca. 2470	
47	**Du Chef** (mc; dc)	49.50	74.00	≥ 2468 ± 3	
48	**Matachewan** (d)	48.00	84.75	≥ 2446 (U-Pb, zircon)	Nipissing Complex (v); (?)Nelson River Complex (v); (R6B); Palatin Complex (v); (R6B)
49	**Kikkertavak** (mc and dc toward Nain, Post-Promotory) (d1)	55.00	61.00	(a) 2235 ± 2	
50	**Matoq** (Earlimiut)	64.00	109.50	U ca. 2230	
51	**Uogara** (entire Sk-Sm)	-	-	ca. 2230–2210	#5SA
52	**Nemalaborn** (Nain) (mc; dc)	49.50	77.25	(i) 2210 ±6 w	Nipissing Diabase (s) (R5N)
53	**Magpie**	56.00	73.00	(a) 2220–1991(?)	
54	**Nisa** (Inner Quebec)	60.30	73.00	(sd)–2210 ± 1	
55	**Early E–W** (K2) (Ugaruk, Kuanito)	61.53	48.50	>M54; T 2500±1500	
56	**M21** and **BN1** (K2) (Ugaruk, Kuanito, High Mg-Ti)	65.00	51.00	(a) 2214 ± 10; >M55; >M53	
57	**M22** and **BN2** (K2) (Ugaruk, Kuanito, High Mg-Ti)	65.30	51.50	2200±1900; >M56; >M53	(?) Kangiliniq(d) M56 (d) (R6G)
58	**M23** (K2) (Ugaruk, Kuanito)	65.35	50.50	2200±1900; >M53	
59	**MacKay** (?)	64.00	110.00	U ca. 2210	
60	**Indin NW**	64.00	115.00	ca. 2200	-
61	**Indin NE**	64.00	115.00	ca. 2200	-
62	**Dogrib**	63.00	113.00	(sd) 2190	-
63	**Takrouna–MacQuoid** (mc and dc in northeast)	62.00	98.00	(sd) 2190	-
64	**Easter Island,** dyke (Distaval Island)	61.75	112.80	K 2170	-
65	**Payne River**	60.50	71.50	U ca. 2170–2160	-
66	**Bloodsucking** (Pinware, Nain)	48.00	81.30	(sd) 2167 ± 2	-
67	**Wind River** (Kaminak)	62.80	109.20	2160–1880	-
68	**Assyuk** (mm in part; dc in west) (d1)	60.00	64.50	(a) 2143 ± 12; (sd) 1834 ±7(c)	-
69	**Napaktok Bay** (mc; dc) (mm in part; dc in west) (d1)	58.60	63.00	Q ~2134 ± 3; K (ab)	(?) Tikkigalaaqik (d) (R6B)
70	**Tikkigalaaqik**	57.24	61.85	(ab) 2121 ± 1.5	
71	**Marathon** (d1)	49.50	87.00	(d) 2121 +1/-0.7; 2121 ± 2	
72	**Griffin** (d1)	50.83	96.50	≥ 2120 (U-Pb zircon)	Griffin Diabase (Kyle/lo Diabase) (s) (R7W)
73	**Snowy Fiats**	47.25	107.00	(+ Snowy Plain 3) (sd) 2092 ± 8	Snowy Plain (s, i)
74	**Cauchon Lake** (Mistassini)	50.50	76.50	(sd) 2091 ± 2; (d) 2072 ± 3	
75	**Fort Frances** (Kenoran) (d1)	47.50	95.00	(sd) 2075 +5/-4	
76	**Lac Esprit N**	53.50	77.50	(sd) 2069 ± 1	
77	**Lac Esprit NW**	53.50	77.50	M ca. 2050	
78	**Wizaweus River** (Franklin)	44.53	94.88	(sd) 2047 ± 1	(?) Fort Frances (d) (R7)
79	**Kapuskasing** (d1)	48.10	82.80	A ca. 2000	
80	**Ignouaksikauak** (mc)	57.04	62.10	(R ca. 2045 ± 3	
81	**Kangiksa E** (sulfide) (d1)	66.39	91.00	some dykes (sd) 2045 ± 1; M ≥ 1880 (d)	(?) SN2 (d) (see #55)
82	**Kangiksa NNE** (mm in part)	65.80	92.50	some dykes (sd) 2045 ± 1; M ≥ 1880; 1000 ± 200 (d)	
83	**Hearne** (McKinley Point)	62.20	112.45	(sd) 2038 ± 3	
84	**Lac de Gras**	64.50	110.20	(i) 2030–2023	
85	**Richmond Gulf**	56.20	76.20	Q ~2025	
86	**Kenoshi** (Cherry Creek; Kenoshi) (mc and dc in part)	42.20	108.50	(a) 2011 ± 1 (dikelet); 2005 ± 3 (sandstone)	
87	**Pickle Crow**	51.50	90.10	A ca. 1880	(?) Wolkom (d) (R8)
88	**Beverley** (Bathurst)	66.50	107.00	ca. 2000	
89	**Molson**	57.30	75.00	U(i) 1998 ± 1	
90	**Malda Group** (sd)	61.83	74.00	(+ Malda Group, metagabbro clast in Ketilidian Belt) (c)	(?)Malda Group (s, v) (R5W) (of Puhynirq ophiolite complex)
91	**Post-GTS Suite** (sd)	60.20	64.50	(2)TG Suite (ca. 1870)	
92	**Ivujivik**	58.50	71.50	ca. 1900	Eskimo Formation (v); Parrsboro Formation (v); and Nastapoka Group (c) (R2A)
93	**Wetungan**	49.67	91.75	ca. 1900	

No.	DRAINE NAME	LAT (°N)	LONG (°W)	AGE (Ma)	RELATED UNIT(S)
94	**Chapman** (mc; dc)	59.45	105.10	ca. 1895	
95	**Ear Falls**	50.80	93.40	M (T) 1883±1750	
96	**Fairbridge Lake**	64.50	118.52	ca. 1888	Fairbridge Lake (s; olivine-tholeiites); Bloom Basalt
97	**Smallwood Lake**	65.60	118.00	ca. 1880–1750	
98	**Molson**	55.00	97.50	(a) 1884 ± 2; 1877 +7/-4	Fox River (s) (R8M); (?) Pickle Crow (d) (R8); (?) Wolkom (d) (R8); (?) Molson (d) (R8); Thompson Pb (d) (R8; Hamilton, pers. comm., 2002)
99	**Echo Lake Pluton** (dc) (i)	54.87	100.97	ca. 1880–1850	
100	**Kasan–Thirty Mile** (mm and dc in part)	62.25	99.90	Q ca. 1852	
101	**Sparrow**	61.30	110.00	Q 1847 ± 4	
102	**Wardrillo Lake** (Coronation)	68.26	90.78	K 1840	
103	**North Channel**	46.40	83.00	(a) 1842	
104	**Nabob**	57.40	81.67	(i) ca. 1775	
105	**McRae Lake**	64.00	98.50	(i) ca. 1770	
106	**Hadley Bay**	72.00	108.20	(i) ca. 1747	
107	**Clavaux**	65.60	116.25	(i) ~1750–1840	
108	**Otish** (Ok)	52.25	71.10	K 1750±1200; S 1710 ± 30	Otish (s) (R18A)
109	**Dawes**	67.50	119.00	>Remnant (s) (Ur 1662 ± 8)	
110	**Lake Dubis** (Mina)	53.00	56.43	Q 1716 ± 160	
111	**Melville Bay**	73.00	55.00	R 1693 ± 20	
			Mesoproterozoic		
112	PP (Pilgrim/Green River) (mc; dc) (R1)	61.75	48.60	K 1620–1510	
113	**North West River**	53.50	60.60	Q 1622–1510	Moaby (s) (R14A); (?) Nastapoka (s) (R14NA)
114	**Western Channel Dikes**	66.40	117.70	>M1001 (d); (?)Ur 1590–1663	Western Channel Diabase (s; olivine-tholeiites)
115	**Athin County**	46.40	69.20	>1600–1500	
116	**Uranium City** (Beaverlodge)	59.60	109.00	K 1495 ± 100	Martin Formation (s)
117	**Tobacco Root Group A**	45.08	112.00	(a) ca. 1460	Wade (Purcell) (s) (R17TA); Purcell (c) (R17B)
118	**Gardar Mountains**	42.60	107.50	(a) ca. 1460	
119	**Shabogamo**	52.30	66.00	> #1084 (U-Pb 1456 +23/-22)	Shabogamo Gabbro (s) (R15M); Michael Gabbro (sheet-like intrusions) (R15A); Indian Harbour (s) (R15)
120	**Indian Harbour**	54.45	57.23	> #1084 (U-Pb 1456 +23/-22)	Michael Gabbro (sheet-like intrusions) (R15A); Shabogamo Gabbro (s) (R15M)
121	**Hart River**	64.40	134.40	> #1214 (U-Pb)	Hart River (s) (R12TA); Hart (s) (R12)
122	**Injisoq** (Narsaq)	50.75	65.40	Q 1371–1320	
123	**Lac Mistert** (Mistassini)	50.75	73.75	Q ca. 1351 ± 6	
124	**Kunwi**	58.22	84.70	ca. 1330	Kunwi (sheet-like intrusions)
125	**Queensborough** (mafic)	44.57	77.40	1350–1270	Queensborough (s) (R12BA)
126	**Nukasusutok** (Sw, dc)	56.36	61.23	ca. 1326–1314	(?) Nain Plutonic Suite (s)
127	**Lac Arthur**	51.10	62.35	(a) 1300	
128	**Kiglapait Mts**	54.80	66.80	(c) 495–512	Skaergaard Intrusion (c) (R1A)
129	**Gardar** (arrows in Sw, dc)	-	-	ca. 1300–1100	Eriksfjord Formation (v) (R12A)
130	**Gardar Southeast Greenland**	62.00	42.30	1300–1100	
131	**Gardar Big Feldspar** (DYC)	61.40	48.04	Q >#1112 (ca. 1250)	
132	**Gardar BDI**	60.81	46.01	ca. 1250	Redna (?) (d) (R13B) (Buchan et al. 1996)
133	**Gardar BDI, BDJ, BDO** (mc)	61.40	46.50	ca. 1250–1170	(?) Helo (d) (R13B)
134	**Gardar Giant Dykes of Southern Greenland**	60.83	46.31	Ub 1163 ± 2	
135	**Gardar Giant Dykes of Isortoq** (mc) (+1)	61.00	47.25	(?) ca. 1163	
136	**Belcher Domain** (dc) (+1)	44.90	77.75	1300–1100	
137	**Nain-Hopedale**	56.25	61.40	Q >#1130; R 1216 ± 23; Ub >1250	
138	**Nain-LP**	56.50	61.50	Ub >1250–1217	Gardar BDD (d) (R13D)
139	**Harp** (Disko)	55.00	61.00	Ubz 1213 ± 1	(?) Gardar BD1, BD2, BD3 (d) (R13B)
140	**Ikar River**	64.80	134.50	Ub ca. 1270	(?) Mackenzie (d) (R4D)
141	**Nulok**	67.52	61.75	U ca. 1268	
142	**Mackenzie**	66.00	111.00	Ub 1267 ± 2	Muskox (s) (R12CA); Coppermine (v) (R14CB); Kudlulik (s) (R14CA); Dismal Lake (s) (R14CA); Hornby Bay (R14CE); Hanson (s) (R14CF); Tremblay (s) (R14CG); Dolphin Bay (s) (R14CH)
143	**Sill**	65.00	110.00	M ca. 1250	
144	**Healy Lake** (mafic)	53.40	59.00	Ub 1250 ± 2	(?) Nastapoka (s) (R14AA); North Bluff Dolerite (s) (R14AB)
145	**Lac La Ronge** (Sutte metfuse de Mun) (mc)	51.40	91.50	Q >1230 (Rb/Sr); 1240	Lake Wollaston Group (s)
146	**Sudbury** (mc and dc in Grenville Front)	47.00	81.50	Ub 1238 ± 4; Ub >1235–1170	Sudbury Diabase (s) (R7A); Onaping Formation (v) (R7B); Mellon Complex (c) (R7C); Levack Gneiss (c) (R7D); Coldwell Complex, (R15L)
147	**Dory**	50.80	62.80	> #1074 (U-Pb 1177 +6/-4)	Dory Group (s) (R14TA)
148	**Perry Island** (dc)	45.20	80.15	Ubz ca. 1170–1150	
149	**Kingston**	44.40	76.25	Ub ca. 1160	
150	**Abitibi** (Ok)	48.42	79.00	> #1019 (U-Pb 1141 ± 3)	
151	**Sagaseqy–Amphibolite III** (dc)	48.45	71.15	(?) > #1014 (U-Pb 1120–1142)	(?) Lac-Saint-Jean Anorthosite (s) (R15A)
152	**Tamarack** (Sudbury) (dc)	46.95	79.20	Q (?) > #1014 (U-Pb 1120–1142)	(?) Lac-Saint-Jean Anorthosite (s) (R15A)
153	**Rivière Mistassini** (+1)	49.21	72.12	Q >#1014 (U-Pb 1120–1142)	
154	**La Tourmente** (Charlevoix)	48.52	71.47	Q >#1014 (U-Pb 1120–1142)	
155	**Aerolo**	46.00	82.80	Ub 1141 ± 1	Nonfaller Harbour tempestites (d) (Platt et al., 1983; Queen et al., 1996)
156	**Eye Dashes**	49.00	92.10	K ca. 1140	
157	**Keweenawan** (entire 158–170)	-	-	1109–1085	Logan (s) (R15TA); Duluth Complex (R15TB); Nipigon Bay (R15TC); Osler Volcanics (R15TD); Cape Gargarin (s) (R15TE); Coppermine (s) (R14CB); Kudlulik (s) (R14CA); Dismal Lake (s) (R14CA); Hornby Bay (R14CE); Hanson (s) (R14CF); Tremblay (s) (R14CG); Dolphin Bay (s) (R14CH); Mellon Complex (c) (R15D); Levack Gneiss (c) (R15E); Coldwell Complex, (R15L)
158	**Carlton County**	46.60	92.60	1095–1100	
159	**Baraga** (Marquette)	46.60	88.30	Q 1101–1095	
160	**Keweenaw** (Marquette)	45.00	90.00	ca. 1100	
161	**Nellen Dolphin**	46.00	91.00	ca. 1100	
162	**Thunder Bay** (Pigeon River)	48.30	89.00	ca. 1100	
163	**Arrow River**	48.20	89.66	Q ca. 1100; > #1014	
164	**Ely–Moose Lake**	47.83	91.67	ca. 1100	
165	**Pukaskwa** (Ok)	48.10	85.90	(a) ca. 1100; K ca. 1100	
166	**Cooper Island**	46.80	87.45	Keweenawan	
167	**Upson**	46.42	89.46	Keweenawan	
168	**Duluth**	46.70	92.14	Keweenawan	
169	**Grand Portage**	47.90	89.80	Keweenawan	
170	**Gunflint Lake**	48.07	91.00	K 1100–1070	
171	**Adie**	55.20	59.20	ca. 1100	
172	**Dawes**	67.50	119.00	>Remnant (s) (Ur 1662 ± 8)	
173	**Lake Dubis** (Mina)	53.00	56.43	Q 1716 ± 160	
174	**Melville Bay**	73.00	55.00	R 1693 ± 20	
			Neoproterozoic		
175	PP (Pilgrim/Green River) (mc; dc) (R1)	61.75	48.60	K 1620–1510	
176	**North West River**	53.50	60.60	Q 1622–1510	Moaby (s) (R14A); (?) Nastapoka (s) (R14NA)
177	**Western Channel Dikes**	66.40	117.70	>M1001 (d); (?)Ur 1590–1663	Western Channel Diabase (s; olivine-tholeiites)
178	**Athin County**	46.40	69.20	>1600–1500	
179	**Uranium City** (Beaverlodge)	59.60	109.00	K 1495 ± 100	Martin Formation (s)
180	**Tobacco Root Group A**	45.08	112.00	(a) ca. 1460	Wade (Purcell) (s) (R17TA); Purcell (c) (R17B)
181	**Gardar Mountains**	42.60	107.50	(a) ca. 1460	
182	**Shabogamo**	52.30	66.00	> #1084 (U-Pb 1456 +23/-22)	Shabogamo Gabbro (s) (R15M); Michael Gabbro (sheet-like intrusions) (R15A); Indian Harbour (s) (R15)
183	**Indian Harbour**	54.45	57.23	> #1084 (U-Pb 1456 +23/-22)	Michael Gabbro (sheet-like intrusions) (R15A); Shabogamo Gabbro (s) (R15M)
184	**Hart River**	64.40	134.40	> #1214 (U-Pb)	Hart River (s) (R12TA); Hart (s) (R12)
185	**Injisoq** (Narsaq)	50.75	65.40	Q 1371–1320	
186	**Lac Mistert** (Mistassini)	50.75	73.75	Q ca. 1351 ± 6	
187	**Kunwi**	58.22	84.70	ca. 1330	Kunwi (sheet-like intrusions)
188	**Queensborough** (mafic)	44.57	77.40	1350–1270	Queensborough (s) (R12BA)
189	**Nukasusutok** (Sw, dc)	56.36	61.23	ca. 1326–1314	(?) Nain Plutonic Suite (s)
190	**Lac Arthur**	51.10	62.35	(a) 1300	
191	**Kiglapait Mts**	54.80	66.80	(c) 495–512	Skaergaard Intrusion (c) (R1A)
192	**Gardar** (arrows in Sw, dc)	-	-	ca. 1300–1100	Eriksfjord Formation (v) (R12A)
193	**Gardar Southeast Greenland**	62.00	42.30	1300–1100	
194	**Gardar Big Feldspar** (DYC)	61.40	48.04	Q >#1112 (ca. 1250)	
195	**Gardar BDI**	60.81	46.01	ca. 1250	Redna (?) (d) (R13B) (Buchan et al. 1996)
196	**Gardar BDI, BDJ, BDO** (mc)	61.40	46.50	ca. 1250–1170	(?) Helo (d) (R13B)
197	**Gardar Giant Dykes of Southern Greenland**	60.83	46.31	Ub 1163 ± 2	
198	**Gardar Giant Dykes of Isortoq** (mc) (+1)	61.00	47.25	(?) ca. 1163	
199	**Belcher Domain** (dc) (+1)	44.90	77.75	1300–1100	
200	**Nain-HP**	56.25	61.40	Q >#1130; R 1216 ± 23; Ub >1250	
201	**Nain-LP**	56.50	61.50	Ub >1250–1217	Gardar BDD (d) (R13D)
202	**Harp** (Disko)	55.00	61.00	Ubz 1213 ± 1	(?) Gardar BD1, BD2, BD3 (d) (R13B)
203	**Ikar River**	64.80	134.50	Ub ca. 1270	(?) Mackenzie (d) (R4D)
204	**Nulok**	67.52	61.75	U ca. 1268	
205	**Mackenzie**	66.00	111.00	Ub 1267 ± 2	Muskox (s) (R12CA); Coppermine (v) (R14CB); Kudlulik (s) (R14CA); Dismal Lake (s) (R14CA); Hornby Bay (R14CE); Hanson (s) (R14CF); Tremblay (s) (R14CG); Dolphin Bay (s) (R14CH)
206	**Sill**	65.00	110.00	M ca. 1250	
207	**Healy Lake** (mafic)	53.40	59.00	Ub 1250 ± 2	(?) Nastapoka (s) (R14AA); North Bluff Dolerite (s) (R14AB)
208	**Lac La Ronge** (Sutte metfuse de Mun) (mc)	51.40	91.50	Q >1230 (Rb/Sr); 1240	Lake Wollaston Group (s)
209	**Sudbury** (mc and dc in Grenville Front)	47.00	81.50	Ub 1238 ± 4; Ub >1235–1170	Sudbury Diabase (s) (R7A); Onaping Formation (v) (R7B); Mellon Complex (c) (R7C); Levack Gneiss (c) (R7D); Coldwell Complex, (R15L)
210	**Dory**	50.80	62.80	> #1074 (U-Pb 1177 +6/-4)	Dory Group (s) (R14TA)
211	**Perry Island** (dc)	45.20	80.15	Ubz ca. 1170–1150	
212	**Kingston**	44.40	76.25	Ub ca. 1160	
213	**Abitibi** (Ok)	48.42	79.00	> #1019 (U-Pb 1141 ± 3)	
214	**Sagaseqy–Amphibolite III** (dc)	48.45	71.15	(?) > #1014 (U-Pb 1120–1142)	(?) Lac-Saint-Jean Anorthosite (s) (R15A)
215	**Tamarack** (Sudbury) (dc)	46.95	79.20	Q (?) > #1014 (U-Pb 1120–1142)	(?) Lac-Saint-Jean Anorthosite (s) (R15A)
216	**Rivière Mistassini** (+1)	49.21	72.12	Q >#1014 (U-Pb 1120–1142)	
217	**La Tourmente** (Charlevoix)	48.52	71.47	Q >#1014 (U-Pb 1120–1142)	
218	**Aerolo**	46.00	82.80	Ub 1141 ± 1	Nonfaller Harbour tempestites (d) (Platt et al., 1983; Queen et al., 1996)
219	**Eye Dashes**	49.00	92.10	K ca. 1140	
220	**Keweenawan** (entire 158–170)	-	-	1109–1085	Logan (s) (R15TA); Duluth Complex (R15TB); Nipigon Bay (R15TC); Osler Volcanics (R15TD); Cape Gargarin (s) (R15TE); Coppermine (s) (R14CB); Kudlulik (s) (R14CA); Dismal Lake (s) (R14CA); Hornby Bay (R14CE); Hanson (s) (R14CF); Tremblay (s) (R14CG); Dolphin Bay (s) (R14CH); Mellon