Natural Resources Canada / Ressources naturelles Canada

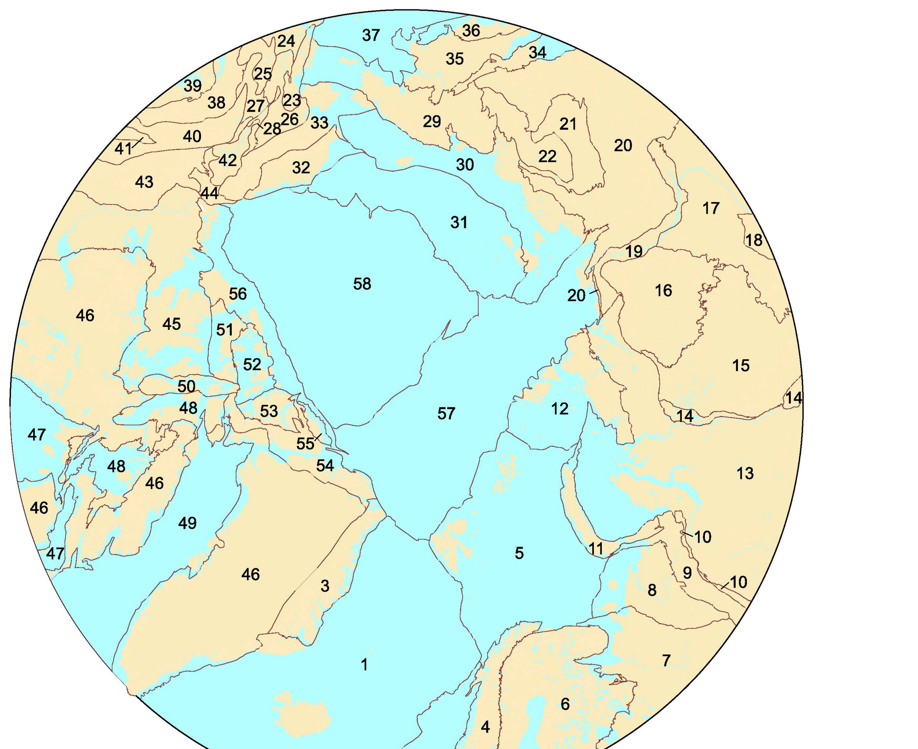
GEOLOGICAL SURVEY OF CANADA — COMMISSION GÉOLOGIQUE DU CANADA

PHANEROZOIC LEGEND

Age	Sedimentary and/or volcanic: undivided	Sedimentary: undivided	Clastic: continental	Clastic: deltaic and nearshore	Clastic: shallow marine	Evaporite	Carbonate	Slope and deep water	Marine sedimentary: undivided	Igneous: undivided	Extrusive: undivided	Extrusive: alkalic	Extrusive: felsic	Extrusive: intermediate	Extrusive: mafic	Extrusive: ultramafic	Intrusive: undivided	Intrusive: granitic	Intrusive: tonalitic-granodioritic	Intrusive: gabbroic	Intrusive: peridotitic	Intrusive: syenitic	Intrusive: kimberlitic	Intrusive: carbonatitic	Mélange	Impact structure	Metamorphic: undivided
		SEDIMENTARY									IGNEOUS: EXTRUSIVE						IGNEOUS: INTRUSIVE								OTHER		
AGE UNKNOWN																									Unk		
QUATERNARY (2.6–0.0 Ma)		Q1	Q2		Q3			Q4							Q5												
CENOZOIC (65.5–0.0 Ma)		Cz27						Cz28					Cz29		Cz30												
PLIOCENE TO HOLOCENE (5.3–0.0 Ma)			Cz23	Cz24				Cz25							Cz26												
NEOGENE (23.0–2.6 Ma)	Ng19	Ng20	Ng21	Ng22	Ng23			Ng24			Ng25		Ng26	Ng27	Ng28			Ng29		Ng30							
PLIOCENE (5.3–2.6 Ma)		Ng14	Ng15	Ng16	Ng17										Ng18												
Langhian to Piacenzian (16.0–2.6 Ma)		Ng13																									
MIOCENE (23.0–5.3 Ma)		Ng3	Ng4	Ng5	Ng6			Ng7			Ng8		Ng9	Ng10	Ng11											Ng12	
Aquitanian and Burdigalian (23.0–16.0 Ma)		Ng1		Ng2																							
PALEOGENE AND NEOGENE (65.5–2.6 Ma)	Cz9	Cz10	Cz11	Cz12				Cz13			Cz14	Cz15	Cz16	Cz17	Cz18		Cz19	Cz20	Cz21	Cz22							
OLIGOCENE AND MIOCENE (33.9–5.3 Ma)		Cz3	Cz4	Cz5										Cz6	Cz7				Cz8								
OLIGOCENE AND YOUNGER (33.9–0.0 Ma)				Cz1				Cz2																			
PALEOGENE (65.5–23.0 Ma)		Pg54	Pg55	Pg56				Pg57					Pg58		Pg59					Pg60		Pg61					
OLIGOCENE (33.9–23.0 Ma)		Pg47		Pg48	Pg49		Pg50						Pg51		Pg52											Pg53	
Chattian (28.4–23.0 Ma)			Pg45	Pg46																							
Rupelian (33.9–28.4 Ma)			Pg43	Pg44																							
EOCENE AND OLIGOCENE (55.8–23.0 Ma)		Pg33	Pg34	Pg35	Pg36			Pg37			Pg38		Pg39	Pg40	Pg41			Pg42									
EOCENE (55.8–33.9 Ma)		Pg26	Pg27	Pg28	Pg29						Pg30		Pg31		Pg32												
EOCENE AND YOUNGER (55.8–0.0 Ma)		Pg24						Pg25																			
Lutetian and Priabonian (48.5–33.9 Ma)				Pg22	Pg23																						
Ypresian to Priabonian (55.8–38.2 Ma)		Pg19		Pg20	Pg21																						
PALEOCENE AND EOCENE (65.5–33.9 Ma)	Pg13	Pg14	Pg15	Pg16	Pg17										Pg18												
PALEOCENE (65.5–55.8 Ma)		Pg7	Pg8	Pg9	Pg10			Pg11							Pg12												
Selandian and Thanetian (61.1–55.8 Ma)		Pg4	Pg5																		Pg6						
Selandian (61.1–58.7 Ma)			Pg2		Pg3																						
Danian (65.5–61.1 Ma)		Pg1																									
CRETACEOUS AND YOUNGER (145.5–0.0 Ma)	KQ1	KQ2	KQ3	KQ4	KQ5			KQ6			KQ7	KQ8	KQ9	KQ10	KQ11		KQ12	KQ13	KQ14	KQ15					KQ16		KQ17
Campanian to Thanetian (83.5–55.8 Ma)		KPg1	KPg2	KPg3	KPg4																						
MESOZOIC (251–65.5 Ma)		Mz1												Mz2					Mz3	Mz4					Mz5		
CRETACEOUS (145.5–65.5 Ma)	K52	K53	K54	K55	K56		K57	K58	K59		K60	K61	K62	K63	K64		K65	K66	K67			K68			K69		K70
LATE CRETACEOUS (99.6–65.5 Ma)	K35	K36	K37	K38	K39		K40	K41			K42	K43	K44	K45	K46			K47	K48	K49	K50	K51					
Campanian and Maastrichtian (83.5–65.5 Ma)		K31			K32			K33																		K34	
EARLY AND LATE CRETACEOUS (145.5–65.5 Ma)		K23	K24	K25				K26			K27		K28	K29	K30												
Albian and Cenomanian (112–93.6 Ma)				K21																			K22				
EARLY CRETACEOUS (145.5–99.6 Ma)		K8	K9	K10	K11		K12	K13			K14		K15	K16	K17			K18	K19	K20							
late Early Cretaceous (~134–99.6 Ma)			K1	K2	K3			K4									K5			K6						K7	
JURASSIC AND CRETACEOUS (199.6–65.5 Ma)		JK4	JK5	JK6	JK7			JK8	JK9		JK10		JK11	JK12	JK13			JK14	JK15			JK16					
LATE JURASSIC AND EARLY CRETACEOUS (161.2–99.6 Ma)				JK1	JK2				JK3																		
JURASSIC (199.6–145.5 Ma)		J49	J50	J51	J52		J53	J54		J55	J56			J57	J58		J59		J60	J61	J62	J63					
LATE JURASSIC (161.2–145.5 Ma)	J35	J36	J37	J38	J39		J40	J41			J42		J43	J44	J45			J46	J47	J48							
MIDDLE AND LATE JURASSIC (175.6–145.5 Ma)			J27	J28	J29		J30	J31					J32	J33	J34												
MIDDLE JURASSIC (175.6–161.2 Ma)		J19	J20	J21	J22			J23						J24	J25				J26								
EARLY AND MIDDLE JURASSIC (199.6–161.2 Ma)		J14		J15	J16			J17			J18																
EARLY JURASSIC (199.6–175.6 Ma)		J1	J2	J3	J4		J5	J6			J7		J8	J9	J10				J11	J12							J13
TRIASSIC AND JURASSIC (251–145.5 Ma)		TJ1	TJ2	TJ3	TJ4		TJ5	TJ6	TJ7		TJ8								TJ9	TJ10		TJ11					
TRIASSIC (251–199.6 Ma)	T44	T45	T46	T47	T48			T49			T50	T51			T52	T53				T54		T55					
LATE TRIASSIC (228.7–199.6 Ma)	T32	T33	T34	T35	T36		T37	T38			T39		T40	T41	T42						T43						
MIDDLE AND LATE TRIASSIC (245.9–199.6 Ma)			T28	T29	T30				T31																		
MIDDLE TRIASSIC (245.9–228.7 Ma)					T26			T27																			
EARLY AND MIDDLE TRIASSIC (251–228.7 Ma)			T21	T22	T23		T24	T25																			
EARLY TRIASSIC (251–245.9 Ma)		T8	T9	T10	T11		T12	T13	T14		T15	T16			T17					T18	T19			T20			
Olenekian (249.5–245.9 Ma)											T5				T6	T7											
Induan (251–249.5 Ma)					T1						T2				T3					T4							
PALEOZOIC AND MESOZOIC (542–65.5 Ma)	PzK1	PzK2		PzK3	PzK4		PzK5	PzK6		PzK7	PzK8				PzK9					PzK10	PzK11				PzK12		PzK13
PERMIAN AND TRIASSIC (299–199.6 Ma)		PT1	PT2	PT3	PT4		PT5	PT6			PT7									PT8							
PALEOZOIC (542–251 Ma)	Pz1	Pz2		Pz3	Pz4		Pz5	Pz6			Pz7				Pz8			Pz9		Pz10	Pz11						
PERMIAN (299–251 Ma)	P34	P35	P36	P37	P38		P39	P40	P41										P42	P43		P44					
GUADALUPIAN AND LOPINGIAN (271–251 Ma)		P23	P24	P25	P26		P27	P28	P29		P30	P31		P32	P33												
GUADALUPIAN (~KAZANIAN) (271–260 Ma)					P21		P22																				
Roadian (~Ufimian) (271–268 Ma)					P18	P19	P20																				
CISURALIAN AND GUADALUPIAN (299–260 Ma)				P14	P15		P16	P17																			
CISURALIAN (299–271 Ma)		P7	P8	P9	P10		P11	P12			P13																
Kungurian (276–271 Ma)							P6																				
Sakmarian (295–284 Ma)							P5																				
Asselian to Artinskian (299–276 Ma)					P3		P4																				
Asselian and Sakmarian (299–284 Ma)							P2																				
Asselian (299–295 Ma)							P1																				
CARBONIFEROUS AND PERMIAN (359–251 Ma)	CP1	CP2	CP3	CP4	CP5	CP6	CP7	CP8			CP9			CP10	CP11			CP12	CP13	CP14							CP15
CARBONIFEROUS (359–299 Ma)		C31	C32	C33	C34		C35	C36					C37			C38				C39		C40					
PENNSYLVANIAN (318–299 Ma)		C22	C23	C24	C25		C26	C27			C28		C29		C30												
Gzhelian (303–299 Ma)							C21																				
Kasimovian (307–303 Ma)							C20																				
Moscovian (312–307 Ma)							C19																				
Tournaisian to Moscovian (359–307 Ma)			C12	C13	C14	C15	C16	C17			C18																
MISSISSIPPIAN (359–318 Ma)		C5		C6	C7		C8	C9			C10		C11														
Serpukhovian (328–318 Ma)							C4																				
Viséan and Serpukhovian (345–318 Ma)							C3																				
Viséan (345–328 Ma)					C1			C2																			
DEVONIAN AND CARBONIFEROUS (416–299 Ma)	DC1	DC2	DC3	DC4	DC5		DC6	DC7	DC8		DC9		DC10		DC11			DC12	DC13	DC14	DC15	DC16					DC17
CAMBRIAN TO DEVONIAN (542–359 Ma)	CmD1	CmD2		CmD3	CmD4		CmD5	CmD6	CmD7				CmD8				CmD09	CmD10	CmD11	CmD12	CmD13						CmD14
DEVONIAN (416–359 Ma)		D50	D51	D52	D53		D54	D55			D56		D57		D58			D59	D60	D61	D62	D63					D64
LATE DEVONIAN (385–359 Ma)		D38	D39	D40	D41		D42	D43				D44	D45		D46			D47		D48	D49						
MIDDLE AND LATE DEVONIAN (398–359 Ma)		D24	D25	D26	D27		D28	D29	D30		D31	D32	D33		D34			D35	D36			D37					
MIDDLE DEVONIAN (398–385 Ma)		D16	D17	D18	D19	D20	D21	D22							D23												
EARLY AND MIDDLE DEVONIAN (416–385 Ma)		D9	D10	D11	D12		D13	D14											D15								
EARLY DEVONIAN (416–398 Ma)		D1	D2	D3	D4		D5	D6											D7			D8					
SILURIAN AND DEVONIAN (444–359 Ma)		SD1	SD2	SD3	SD4		SD5	SD6	SD7			SD8						SD9	SD10	SD11	SD12	SD13					
SILURIAN (444–416 Ma)		S1			S2	S3	S4	S5		S6	S7							S8	S9								
ORDOVICIAN AND SILURIAN (488–416 Ma)		OS1		OS2	OS3		OS4	OS5					OS6	OS7				OS8		OS9	OS10						
ORDOVICIAN (488–444 Ma)		O21		O22	O23		O24	O25		O26	O27	O28															O29
LATE ORDOVICIAN (461–444 Ma)				O17			O18	O19			O20																
MIDDLE AND LATE ORDOVICIAN (472–444 Ma)				O13	O14		O15	O16																			
MIDDLE ORDOVICIAN (472–461 Ma)					O10		O11	O12																			
EARLY AND MIDDLE ORDOVICIAN (488–461 Ma)		O6			O7		O8	O9																			
EARLY ORDOVICIAN (488–472 Ma)					O1		O2	O3		O4											O5						
CAMBRIAN AND ORDOVICIAN (542–444 Ma)		CmO1			CmO2	CmO3	CmO4	CmO5	CmO6		CmO7				CmO8			CmO9			CmO10	CmO11					
CAMBRIAN (542–488 Ma)		Cm16	Cm17	Cm18	Cm19		Cm20	Cm21							Cm22												
LATE CAMBRIAN (FURONGIAN) (499–488 Ma)					Cm13		Cm14				Cm15																
MIDDLE AND LATE CAMBRIAN (SERIES 3 AND FURONGIAN) (510–488 Ma)		Cm9			Cm10		Cm11	Cm12																			
MIDDLE CAMBRIAN (SERIES 3) (510–499 Ma)					Cm7		Cm8																				
EARLY AND MIDDLE CAMBRIAN (TERRENEUVIAN TO SERIES 3) (542–499 Ma)							Cm6																				
EARLY CAMBRIAN (TERRENEUVIAN AND SERIES 2) (542–510 Ma)		Cm1		Cm2	Cm3		Cm4	Cm5																			
NEOPROTEROZOIC AND **PALEOZOIC** (1000–251 Ma)	NPz1	NPz2																									
NEOPROTEROZOIC AND CAMBRIAN (1000–488 Ma)	NCm1	NCm2		NCm3	NCm4		NCm5	NCm6	NCm7		NCm8							NCm9	NCm10	NCm11							
PROTEROZOIC TO DEVONIAN (2500–359 Ma)	PrD1	PrD2					PrD3	PrD4							PrD5					PrD6	PrD7						PrD8

Canada

PHANEROZOIC GEOGRAPHIC REGIONS
(*see* correlation chart, Sheets 4 and 5)



Arctic-North Atlantic region
1. Iceland, North Atlantic, East Greenland volcanic belt
2. Faroe Islands, Shetland Platform
3. Caledonides: East Greenland
4. Caledonides: Scandinavia
5. Svalbard, Barents Shelf

East European Platform, Ural Mountains
6. Fennoscandian Shield, Gulf of Bothnia, Oslo graben
7. Russian Plate
8. Timan fold belt, Pechora Plate
9. Urals foredeep, Western Ural Mountains
10. Eastern Ural Mountains
11. Pai-Khoi, Novaya Zemlya

West Siberian Basin, Siberian Platform
12. North Kara Plate, Taimyr-Severnaya Zemlya fold region
13. West Siberian Plate, South Kara depression, Yenisei-Khatanga Trough
14. Yenisei fold-thrust belt, Turukhansk-Noril'sk fold-thrust belt
15. Tunguska depression
16. Anabar-Olenek uplift
17. Lena-Vilyui depression
18. Baikal-Patom fold-thrust belt

Verkhoyansk-Kolyma region
19. Verkhoyansk foredeep
20. Yana-Kolyma fold-thrust belt, western Okhotsk-Chukhotsk volcanic belt
21. Chersky-Polousnensk fold-thrust belt
22. Alazeya-Oloi fold belt, Dzhakhtardak-Oloi volcanic belt

Interior western Alaska
23. Western Basin
24. Ahklun Mountains
25. Southwest Basin
26. Yukon-Koyukuk Basin
27. Medfra-Kantishna region
28. Ruby region

Brooks Range, Chukotka, Arctic Shelf
29. Chukotka deformed belt, eastern Okhotsk-Chukhotsk volcanic belt
30. Novosibirsk Plate
31. East Arctic Plate
32. Alaska North Slope
33. Brooks Range, Seward, western Chukotka

Okhotsk, Bering Sea, Pacific Alaska
34. Uda-Murgal fold belt, Gizhiga depression, Oklan-Penzhina volcanic belt
35. Koryak-west Kamchatka fold belt, central Kamchatka volcanic belt
36. Olyutor-Kamchatka fold belt, eastern Kamchatka volcanic belt
37. Bering Sea Basin
38. Alaska Range
39. Coast Mountains

Eastern Alaska, Yukon, Mackenzie region
40. Yukon-Tanana upland
41. Intermontane Belt
42. Yukon Flats, Old Crow Basin
43. Selwyn Mountains, Mackenzie Mountains
44. Mackenzie Plain

Canadian Shield, Greenland Shield, and cover
45. Interior Platform, Arctic Platform, M'Clintock Basin
46. Canadian Shield, Greenland Shield
47. Hudson Bay Basin, Hudson Strait Basin
48. Foxe Basin, Prince Regent Basin
49. Baffin Bay-Labrador Sea basins, West Greenland volcanic belt

Innuitian region, North Greenland
50. Boothia uplift, Cornwallis fold belt
51. Parry Islands fold belt, Canrobert fold belt
52. western Sverdrup Basin
53. eastern Sverdrup Basin, Eurekan Orogen
54. Ellesmere-North Greenland fold belt
55. Pearya, north Ellesmere Island

Arctic Ocean
56. Mackenzie Delta, Beaufort Sea, Arctic Coastal Plain
57. Lomonosov Ridge, Laptev Sea Basin, Eurasian Basin
58. Alpha Ridge, Mendeleev Ridge, Amerasian Basin

GEOLOGICAL DOMAINS HOSTING PRECAMBRIAN UNITS
(*see* correlation chart, Sheet 3)

Northern Europe
- a. Caledonian Orogen (Northern Europe, undivided)
- b. Sveconorwegian Orogen
- c. Gothian Domain
- d. Dala-Rapakivi Domain
- e. Svecofennian and Lapland-Kola orogens
- f. Karelian Craton
- g. Murmansk Craton
- h. Fennoscandian Shield-Gulf of Bothnia-Oslo graben
- i. Timan fold belt
- j. Urals folded region

North Asia
- k. Yenisei-Turukhansk-Noril'sk fold-thrust belt
- l. Taimyr-Severnaya Zemlya fold region
- m. Anabar Shield
- n. Anabar-Olenek uplift
- o. Baikal-Patom fold-thrust belt
- p. Yana-Kolyma fold-thrust belt
- q. Sette-Daban folded system
- r. Chersky-Polousnensk fold-thrust belt
- s. Okhotsk massif
- t. Omolon massif
- u. Okhotsk folded region

North America
- v. Cordilleran Orogen (Canada - Alaska, undivided)
- w. Hottah terrane
- x. Great Bear batholith
- y. Hepburn batholith
- z. Wopmay Orogen
- aa. Slave Craton
- ab. Hornby Bay and Amundsen basins
- ac. Taltson-Thelon Orogen
- ad. Nonacho Basin
- ae. Rae Craton (Canada)
- af. Thelon Basin
- ag. Nueltin suite
- ah. Hearne Craton
- ai. Baker Lake Basin
- aj. Hudson suite
- ak. Fury and Hecla Basin
- al. Borden Basin
- am. Ellesmere-Inglefield belt (Canada)
- an. Superior Craton
- ao. Purtuniq ophiolite
- ap. Narsajuaq Arc
- aq. Meta-Incognita microcontinent
- ar. Cumberland batholith
- as. Burwell Arc
- at. Ellesmerian Orogen (Canada and Greenland)

Greenland
- au. Thule Supergroup (Greenland and Canada)
- av. Ellesmere-Inglefield belt (Greenland)
- aw. Rae Craton (Greenland)
- ax. Aasiaat Domain
- ay. North Atlantic Craton (Greenland and Canada)
- az. Gardar Province
- ba. Ketilidian Orogen
- bb. Independence Fjord Group
- bc. Eleonore Bay Supergroup
- bd. Caledonian Orogen (Greenland, undivided)

ONSHORE AND OFFSHORE UNITS

- Unit occurs both onshore and offshore
- Unit occurs onshore
- Unit occurs offshore

COMPOSITIONAL UNITS AND ROCK TYPES
(all sheets)

PATTERN*	COMPOSITIONAL UNITS	EXAMPLE ROCK TYPES
	Supracrustal rocks	
CmD1	Sedimentary and/or volcanic: undivided	Sedimentary and/or volcanic rock: undivided
	Sedimentary	
Ng1	Sedimentary: undivided	Sandstone, siltstone, shale, limestone
Ng15	Clastic: continental	Redbeds, quartz arenite, arkose, conglomerate, evaporites
KPg3	Clastic: deltaic and nearshore	Sandstone, siltstone, shale, coal; plant fossils
D41	Clastic: shallow marine	Sandstone, siltstone, shale; marine fossils
D20	Evaporite	Salt, anhydrite, gypsum, dolostone
J40	Carbonate	Limestone, dolostone, shale, evaporites, chalk carbonate reefs
Ng24	Sedimentary: slope and deep water	Shale, chert, iron-formation, greywacke, turbidite, argillaceous limestone, matrix-supported conglomerate
SD7	Marine sedimentary: undivided	Limestone, dolostone, shale, evaporites, chalk, shale, iron-formation, gerywacke, turbidite, argillaceous limestone, matrix-supported conglomerate, carbonate reefs
	Igneous	
O26	Igneous: undivided	Igneous complex; volcanic and subvolcanic rocks
	Extrusive	
P30	Extrusive: undivided	Volcanic rocks, lava flows, pyroclastic debris
T51	Extrusive: alkalic	Trachyte, phonolite, carbonatitic lavas, leucitic volcanic rocks
D45	Extrusive: felsic	Rhyolite, felsic tuff, felsic pyroclastic rocks, felsic agglomerate
Pg40	Extrusive: intermediate	Dacite, latite, andesite, rhyolite, related pyroclastic rocks
K17	Extrusive: mafic	Basalt, olivine basalt, tholeiite, alkali basalt, basanite, pillow basalt, flood basalt
T7	Extrusive: ultramafic	Komatiite, nephelinite, picrite, basalt
	Intrusive	
CmD09	Intrusive: undivided	Plutonic rocks, intrusive complex, batholith
K18	Intrusive: granitic	Granite, monzogranite, quartz monzonite, leucogranite, alkalic granite, alaskite
P42	Intrusive: tonalitic-granodioritic	Monzonite, quartz monzonite, granodiorite, diorite, tonalite, granitoid rocks
SD11	Intrusive: gabbroic	Gabbro, olivine gabbro, diabase, norite, quartz norite, diorite, tonalite
PrD7	Intrusive: peridotitic	Pyroxenite, peridotite, dunite, harzburgite, wherlite, gabbro
i7	Intrusive: anorthositic	Anorthosite, gabbroic anorthosite
CmO11	Intrusive: syenitic	Syenite, lamprophyre, minette, foid syenite
K22	Intrusive: kimberlitic	Kimberlite, lamproite
T20	Intrusive: carbonatitic	Carbonatite
	Other compositions	
PzK12	Mélange	Mélange, polymict breccia, accretionary wedge complex
Pg53	Impact structure	Impact breccia, impact melt rock, crater fill
PrD8	Metamorphic: undivided	Schist, gneiss, migmatite, diatexite, tectonite, mylonite, granulite

* Certain compositional units have a distinctive pattern overlay as indicated in this column. Other units have a distinct colour fill only. Unit colours and labels shown only as examples.

METAMORPHIC CONDITIONS
(*see* correlation chart, Sheets 4 and 5)

SYMBOLOGY*	DESCRIPTION	EXPLANATION	EXAMPLE ROCK TYPES
Pz	Not specified		
Pz_1	1: Not metamorphosed	Rocks have experienced temperatures low enough to still allow for the generation of liquid or gaseous hydrocarbons	Lignite, shale, sandstone, diabase, basalt, granite
Pz_2	2: Metamorphosed and not metamorphosed	Contains both metamorphosed and not metamorphosed rocks over the extent of the mapped unit	Coal, limestone, argillite, quartzite, diabase, basalt, granite
Pz_3	3: Metamorphosed	Rocks of varying metamorphic grade are present	Slate, marble, phyllite, schist, quartzite, granitic gneiss
Pz_4	4: Metamorphosed; very low and low grade	Prehnite-pumpellyite to and including greenschist facies	Anthracite, slate, phyllite, greenstone, serpentinite, quartzite, marble
Pz_5	5: Metamorphosed: medium grade	Amphibolite facies	Graphitic rocks, mica schist, amphibolite, metagabbro, granitic gneiss, migmatite, quartzite, marble, andalusite and kyanite gneisses
Pz_6	6: Metamorphosed: high grade	Granulite facies	Granulite, orthopyroxene gneiss, pyribolite, eclogite, migmatite, sillimanite and kyanite gneisses
Pz_7	7: Metamorphosed: high pressure	Blueschist: glaucophane-lawsonite facies	Blueschist, eclogite

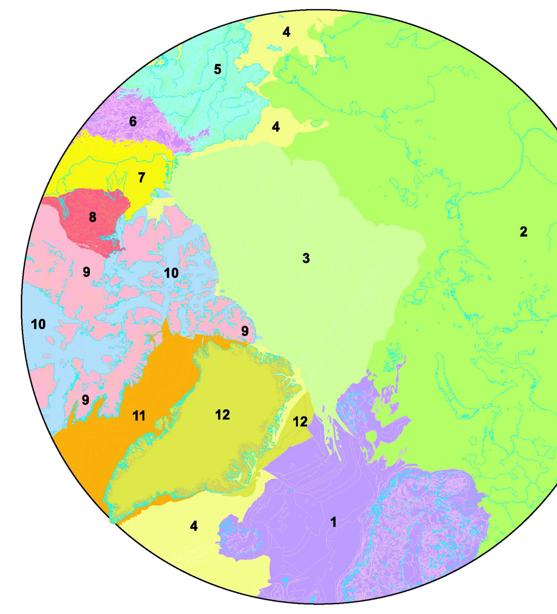
* Metamorphic condition varies widely between regions. Numeric keys (1 to 7) to metamorphic grade are located on the Phanerozoic correlation chart in the lower right corner of the legend box for selected map units (Sheets 4 and 5). No key indicates that the metamorphic attribute was not specified.

MAP SYMBOLS

- Geological contact (approximate)
- Unclassified fault (onshore, offshore)
- Thrust fault (teeth on hanging wall; onshore, offshore)
- Normal fault (hachures on downthrown side; onshore, offshore)
- Reverse fault (teeth on hanging wall; onshore, offshore)
- Strike-slip fault (arrows indicate relative movement; onshore, offshore)
- Active spreading ridge (offshore); axis of postglacial volcanic activity (onshore, Iceland)
- Extinct spreading ridge
- Diapir (salt or shale)
- Impact structure
- Kimberlite, kimberlitic lamprophyre, lamproite
- Volcano, cinder cone, lava dome
- Bathymetric contour
- Ice thickness contour

Depth in metres below General Bathymetric Chart of the Oceans (GEBCO) 2003 datum; variable contour interval.
Ice thickness in metres (Greenland); 250 m contour interval.

KEY TO COMPILATION AREAS WITH REFERENCES



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