

ONTEREGIANS	APPALACHIAN PROVINCE
MESOZOIC	PALEOZOIC
amafic alkaline intrusive rocks, e breccias and hornfels	
VERENCE PLATFORM	CARBONIFEROUS TO PERMIAN
wlands and Anticosti platforms)	A39 Conglomerate, sandstone, mudrock and limestone A38 Basalt, collapse breccia, volcaniclastic rocks, mu sandstone, limestone, gypsum and anhydrite
PALEOZOIC	SILURIAN TO DEVONIAN
ne and reefal limestone	A37 Hornfel
ll limestone	A36 Granite, granodiorite, tonalite, monzonite, syenite and monzodiorite
mudstone and limestone conglomerate	A35 Diorite and gabbro
DOVICKIAN	A34 Sandstone, arenite, mudrock, limestone and cong
e and shale	A33 Arkosic wacke, mudslate, phyllite and sandstone
ostone and sandstone	A32 Siltstone, mudstone, sandstone, limestone and co
andstone, siltstone, gypsum and anhydrite	A31 Mudrock, sandstone, limestone and conglomerate
andstone, siltstone and limestone	A30 Limestone, calcareous mudstone, sandstone and
nd argillaceous limestone	A29 Basalt, andesite, chlorite schist, rhyolite, dacite and volcaniclastic rocks
dolostone and sandstone	
ents of dolostone, limestone and careous matrix	ORDOVICKIAN TO LOWER SILURIAN
e, quartzitic sandstone and dolostone	A28 Granite and tonalite
one, limestone and shale	A27 Sandstone, arenite, wacke, siltstone, shale and c
ne, arkosic sandstone, one and conglomerate	A26 Siltstone, shale, sandstone and chert
one, quartzitic sandstone and conglomerate	A25 Mudstone, siltstone, sandstone, limestone and co
ne and shale	A24 Slate, slaty schist, phyllite, sandstone, limestone, and conglomerate
ON BAY PLATFORM	A23 Limestone, mudstone and sandstone
PALEOZOIC	A22 Tectonic mélange
ose	A21 Ultramafic rocks, amphibolite, gabbro and ultrama sedimentary rocks mélange
JURIAN	A20 Felsic volcaniclastic rocks, rhyolite, rhyolitic brecc and quartz schist
one, siltstone, sandstone, stone	A19 Basalt, mafic volcaniclastic rocks and chlorite sch
ne, chert, sandstone and siltstone	
ne, limestone and calcareous breccia	CAMBRIAN TO LOWER ORDOVICIAN
ne and claystone	A18 Feldspathic sandstone, wacke, slaty schist and s conglomerate and mudslate interbeds
	A17 Mudrock, slate, sandstone, limestone and congl
	A16 Slate, schist and siltstone
	A15 Shale and mudstone with conglomerate and lime
	A14 Grey and green mudslate with mudstone, siltston and limestone interbeds
	A13 Red, green and grey mudslate with mudstone, sil sandstone, limestone and conglomerate interbeds
	A12 Dolomitic or calcareous claystone and limestone
	A11 Limestone, dolostone and sandstone
	A10 Quartzitic sandstone, quartzite and quartzitic aren
	A9 Slaty schist with sandstone and quartzite interbeds

A8	Phyllite, schist, slate, sandstone, quartzite, dolostone and conglomerate	G16	Marble, ca and pegm
A7	Tectonic mélange composed of lithologies of the Rivière-Ouelle, Tourelle and Des Landes formations	G15	Quartzite,
A6	Ultramafic to felsic intrusive rocks, mafic volcanic rocks, volcanoclastic rocks and amphibolite	G14	Schist, ph
A5	Basalt, chlorite schist, mafic tuff and gabbro	G13	Paragneis quatzite, r
NEOPROTEROZOIC TO LOWER ORDOVIANIC			
A4	Sandstone, mudrock, mafic volcanite rocks, breccia and conglomerate	G12	Felsic vol
A3	Schist, quartzite, phyllite, amphibolite and gabbro	G11	Amphiboli
A2	Basalt, metabasalt and metasedimentary rocks		
PROTEROZOIC			
A1	Quartzofeldspathic metasedimentary rock (diamictite)		
GRENVILLE PROVINCE			
MESOZOIC			
TRIASSIC			
G34	Impactite: monzonite	G10	Granite, g
G33	Impactite: latite and spherulitic basalt	G9	Tonalite, g
NEOPROTEROZOIC			
EDICARIAN			
G32	Syenite, monzonite, monzodiorite, granite and carbonatite	G8	Syenite, m
G31	Gabbro, troctolite, magnetitite, nelsonite and dunite	G7	Diatexite,
PALEOPROTEROZOIC AND MESOPROTEROZOIC			
GRANITOIDS			
G30	Granite, monzonite, monzogranite, monzodiorite, granodiorite, syenite and pegmatite	G6	Varied gra
G29	Tonalite, granodiorite, diorite and monzodiorite	G5	Charnocki
G28	Syenite, monzonite, monzodiorite, diorite and related alkaline intrusions	G4	Varied gne
G27	Hypersthene-bearing granitoids : magerite, charnecite, enderbite, jotunite, opdalite, hypersthene syenite and diorite		
G26	Migmatite complex, migmatitic paragneiss and granitic gneiss		
G25	Granitic, granodioritic, tonalitic, quartzfeldspathic, monzonitic, monzodioritic and syenitic gneiss		
G24	Charnockitic, mangeritic and enderbitic gneiss and mixed gneiss		
G23	Tonalitic, granodioritic, granitic and/or dioritic gneiss; migmatite, enderbite and tonalite		
G22	Unsubdivided gneiss		
MAFIC TO ULTRAMAFIC ROCKS			
G21	Anorthosite, leuconorite, norite, leucotroctolite, leucogabbro, gabbronorite and ultramafic rocks	C46	Granite
G20	Gabbro, gabbronorite, norite, troctolite, diorite, mangerite, amphibolite, schist and ultramafic rocks	C45	Hyperthe
G19	Mafic gneiss, amphibolite, schist and gabbro	C44	Quartz sy
SEDIMENTARY ROCKS			
G18	Arenite, arkose, sandstone, wacke, conglomerate, quartzite and schist	C43	Anorthositi
GRANITOIDS			
C42	Granite, m	C41	Granodior
C41	Granodior	C40	Enderbit

gneiss, quartzite	C38	Diorite and hypersthene quartz diorite, jotunite, mangerite and opdalite
osilicate rocks and gneiss	C37	Diorite, quartz diorite, monzodiorite, quartz monzodiorite and quartz monzonite
ss, calcosilicate rocks, formation and amphibolite	C36	Migmatitic rocks and anatetic granite derived from orthogneiss
	C35	Diatexite, metatexite and anatetic granite
mafic gneiss	C34	Hypersthene gneiss
onite and pegmatite	C33	Tonalitic, granitic, dioritic and granodioritic gneiss
monzodiorite		MAFIC TO ULTRAMAFIC ROCKS
and granite	C32	Carbonatite and carbonatitic tuff
anite and gneiss	C31	Gabbro, gabbronorite, monzogabbro, diorite, norite and anorthosite
ss and mixed gneiss	C30	Ultramafic rocks
c intrusive rocks		SEDIMENTARY ROCKS
e, felsic intrusive rocks,	C29	Arkose, quartz arenite, sandstone, conglomerate, mudrock and dolostone
	C28	Mudrock, wacke, schist, slate, phyllite and shale
	C27	Dolostone, stromatolitic dolostone, dolomitic sandstone and siltstone, chert and chert breccia
	C26	Iron formation, mudrock and quartz arenite
	C25	Metawacke, meta-arkose, meta-arenite and paraschiste
	C24	Quartzite
	C23	Marble, dolostone, schist, limestone and calcosilicate rocks
	C22	Migmatitized paragneiss
		VOLCANIC ROCKS
: gneiss of volcanic origin	C21	Metavolcanoclastites, rhyolite, augen schist and metabasalt
VINCE	C20	Basalt, mafic volcaniclastic rocks and amphibolite
OZOIC	C19	Alkaline mafic volcanic rocks
conglomerate	C18	Amphibolite and metabasalt
		ARCHEAN TO PALEOPROTEROZOIC
		GRANITOIDS
	C17	Granite, quartz monzonite and granodiorite
	C16	Granodiorite, monzogranite and tonalite
	C15	Tonalite, granodiorite and granite
	C14	Enderbite, opdalite and charnockite
	C13	Monzodiorite, monzogabbro and monzonite
	C12	Quartz monzonite, quartz monzodiorite, quartz diorite and monzogranite
	C11	Migmatitic rocks and anatetic granite
	C10	Granitic, granodioritic and quartz monzodioritic gneiss
	C9	Hypersthene granitic gneiss
	C8	Tonalitic, dioritic, monzodioritic and granitic gneiss
	C7	Hypersthene granitic gneiss

ROCKS	S25	Gr
Gabbronorite, gabbro, hypersthene diorite and diorite	S24	Or
ENTARY ROCKS	S23	an
Meta-arkose, meta-arenite, metaconglomerate and paraschist	S22	Or
Quartzite	S21	ton
Migmatized paragneiss, paragneiss and paraschist	S20	To
NIC ROCKS	S19	tor
Felsic to intermediate metavolcanoclastites, felsic metavolcanites and metabasalt	S18	Or
Amphibolite and metabasalt		dic
		Dic
		int
		Dia
		Tu
NAIN PROVINCE		
ARCHEAN TO PALEOPROTEROZOIC		
TOIDS	S17	An
Granite, granodiorite and tonalite	S16	Ga
Opdalite and charnockite	S15	ult
Hypersthene quartz diorite, enderbite and hypersthene quartz monzodiorite		Py
Tonalitic, dioritic and granodioritic gneiss		we
ROCKS		an
Hypersthene anorthosite and norite	S14	Wa
Gabbro and diorite	S13	for
ENTARY ROCKS	S12	Co
Paragneiss, metatexite, diatexite and anatetic granite	S11	Iro
		Pa
		qu
VOLCANIC		An
	S10	Fe
	S9	Ba
	S8	am
	S7	An
		ma
		Ko
SUPERIEUR PROVINCE		
PALEOZOIC		
AN	S6	Gr
Impactite, mylolithenite, ignimbrite and breccia	S5	To
VICIAN	S4	To
Limestone, sandstone, shale and dolostone	S3	Pa
	S2	Me
PALEOPROTEROZOIC		
Gabbro and diabase	S1	Me
Ijolite, urtite, carbonatite, syenite and ultramafic intrusions		
Quartz arenite, sandstone, arkose, conglomerate and mudrock		
Conglomerate and sandstone		
Shale, wacke, siltstone and iron formation		
Stromatolitic dolostone, sandstone and conglomerate		
Iron formation		
Columnar basalt and subaerial basalt		
NEOARCHEAN		
SYMBOLS		
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▲	The	
—	Un	
<b>BOUNDARIES</b>		
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- - -	Qu	

ite, monzodiorite and monzonite  
opyroxene-bearing granite  
opyroxene-bearing intrusive  
diorite, granite, diorite and  
opyroxene-bearing quartz  
zonite, syenite and felsic  
ndifferentiated migmatite  
nd granodioritic gneiss  
e, peridotite et pyroxenite  
te, norite, anorthosite and  
te, hornblende, serpentinite,  
carbonatite  
ils  
ne, conglomerate, iron  
agneiss, schist, metawacke,  
etatexitte and diatexitte  
lastic rocks  
elsic volcaniclastic rocks,  
edimentary rocks  
metabasalt and undifferentiated  
lt and ultramafic sills

**RCHEAN**

rite and granodiorite  
s  
imentary rocks

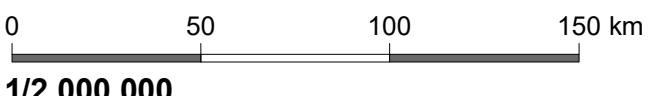
**CHEAN**

imentary rocks

— Normal fault  
////// Shear zone  
e boundary  
and Labrador boundary

## Metadata

Geodetic reference frame: GRS 80 ellipsoid  
Geodetic reference system: NAD 83 compatible with the world geodetic system WGS 84  
Cartographic projection: Lambert conical  
Central meridian: 68° 30' West



**Sources**

Data	Organization	Year
Geology:	Ministère des Ressources naturelles et des Forêts Direction de l'information géologique et de la promotion	2022
Topography:	Ministère des Ressources naturelles et des Forêts Direction générale de l'information géographique	2010

**Realization**

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Learn more :[https://gq.mines.gouv.qc.ca/documentation_en/additional_information/geological-map-of-quebec/](https://gq.mines.gouv.qc.ca/documentation_en/additional_information/geological-map-of-quebec/)

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## Location



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