



LEGEND

POST-ORDOVICIAN OVERLAP SEQUENCES

Carboniferous (Viséan to Westphalian)

Cs Fluviatile and lacustrine, siliciclastic and minor carbonate rocks; intercalated marine, siliciclastic, carbonate and evaporitic rocks; minor coal beds and mafic volcanic flows

Devonian and Carboniferous (Tournaisian)

DCs Fluviatile and lacustrine sandstone, shale, conglomerate and minor carbonate rocks

DCsv Fluviatile and lacustrine, siliciclastic and carbonate rocks; subaerial, bimodal volcanic rocks; may include some Late Silurian rocks

Silurian and Devonian

SDs Shallow marine sandstone, conglomerate, limey shale and thin-bedded limestone

Silurian

Sv Bimodal to mainly felsic subaerial volcanic rocks; includes unseparated sedimentary rocks of mainly fluviatile and lacustrine facies

Ss Shallow marine and non-marine siliciclastic sedimentary rocks, including sandstone, shale and conglomerate

HUMBER ZONE

Stratified rocks

Taconic allochthons and related rocks

Early and Middle Ordovician

EOsm Shale-matrix melange, containing blocks of ophiolitic, rift, continental slope and foreland basin rocks

Cambrian to Middle Ordovician

EOsl Continental slope facies: (within Taconic allochthons) sandstone, shale, thin-bedded to conglomeratic carbonate rocks, chert, mafic volcanic and minor metamorphic rocks; (within autochthon) metamorphic equivalents, including unseparated rocks of Middle Ordovician foreland basin and Neoproterozoic to Cambrian rift facies

Neoproterozoic and Cambrian

P₃Crs Rift and transitional continental slope facies: (within Taconic allochthons) sandstone, shale, conglomerate and mafic volcanic rock; (within autochthon) metamorphic equivalents, including unseparated probable basement rocks and Cambrian to Ordovician rocks of continental slope and foreland basin facies

Autochthon and parautochthon

Middle Ordovician

Olp Shallow marine limestone, shale and sandstone

Early and Middle Ordovician

Osf Foreland basin facies: sandstone and shale turbidites, and carbonate breccia; calcareous and black shale, carbonate breccia and conglomerate

Oc Shelf facies and marginal facies of foreland basin: limestone and dolostone

Cambrian

Ec Shelf facies: thin-bedded limestone, dolostone and shale

Neoproterozoic and Cambrian

P₃Crc Rift and transitional shelf facies: non-marine conglomerate, sandstone and mafic volcanic rocks; marine shale, sandstone, limestone, dolostone and limestone conglomerate

Neoproterozoic to Middle Ordovician

P₃Cou Undivided siliciclastic and carbonate rocks; excludes siliciclastic rocks west of Long Range Mountains

Intrusive rocks

Neoproterozoic

P₃g Granitoid intrusions

 P₃md Mafic dykes

Basement rocks

Paleoproterozoic(?) and Mesoproterozoic

EOg Granitoid intrusions

P₂m Mafic and anorthositic intrusions

P₁P₂gn Granitoid orthogneiss and subordinate mafic gneiss and paragneiss

DUNNAGE ZONE

Stratified rocks

Late Ordovician and Early Silurian

OSsm Melange, containing volcanic and sedimentary blocks of Middle and Late (?) Ordovician age

OSs Turbidites consisting of sandstone, shale and conglomerate; other marine sedimentary rocks

Middle and Late Ordovician

Osc Llandeilo to Ashgill black shale, slate and argillite, including subordinate chert and greywacke

Middle Ordovician

Osp Breccia, shale and sandstone

Cambrian to Middle Ordovician

EOsm Melange, containing sedimentary and volcanic blocks of Cambrian to Ordovician age

EOs Marine siliciclastic sedimentary rocks, including slate, shale, argillite, siltstone, sandstone, conglomerate, and minor unseparated carbonate, volcanic and intrusive rocks, and schist, gneiss and migmatite

EOv Submarine mafic, intermediate and felsic volcanic rocks, including mafic volcanic rocks of ophiolite complexes; includes unseparated intrusive, sedimentary and metamorphic rocks

Intrusive rocks

Cambrian and Ordovician

EOg Granitoid intrusions, including trondhjemite of ophiolite complexes

EOm Mafic intrusions, including unseparated granitoid rocks, and gabbro, diabase and trondhjemite of ophiolite complexes

EOu Ultramafic rocks of ophiolite complexes

POST-ORDOVICIAN INTRUSIVE ROCKS

Mesozoic

Mm Gabbro and diabase

Devonian and Carboniferous

DCg Granite and high silica granite (sensu stricto), and other granitoid intrusions that are posttectonic relative to mid-Paleozoic orogenies

Silurian and Devonian

SDm Gabbro and diorite intrusions, including minor ultramafic phases

SDg Posttectonic gabbro-syenite-granite-peralkaline granite suites and minor unseparated volcanic rocks (northwest of Red Indian Line); granitoid suites, varying from pretectonic to syntectonic, relative to mid-Paleozoic orogenies (southeast of Red Indian Line)

GANDER ZONE

Stratified rocks

Cambrian(?) and Ordovician

EOsg Quartzite, psammite, semipelite and pelite, including minor black slate, conglomerate, limestone, mafic and felsic volcanic rocks, and unseparated migmatitic rocks

EOmg Migmatitic schist, gneiss, and minor amphibolite, derived in whole, or in part from Cambrian(?) and Ordovician protoliths

Intrusive rocks

Ordovician

Og Granite intrusions

AVALON ZONE

Stratified rocks

Central Newfoundland

Neoproterozoic and Cambrian

P₃C Siliciclastic sedimentary and volcanic rocks; amphibolitic and quartzofeldspathic schist, gneiss and migmatite; includes unseparated granitoid and gabbroic intrusions

Eastern Newfoundland

Neoproterozoic to Early Ordovician

P₃EOs Shallow marine, mainly fine grained, siliciclastic sedimentary rocks, including minor unseparated limestone and volcanic rocks

Neoproterozoic

P₃sf Fluviatile and shallow marine siliciclastic sedimentary rocks, including minor unseparated limestone and bimodal volcanic rocks

P₃vb Bimodal, mainly subaerial volcanic rocks, including unseparated siliciclastic sedimentary rocks

P₃sd Marine deltaic siliciclastic sedimentary rocks

P₃st Sandstone and shale turbidites, including minor unseparated tillite, olistostromes and volcanic rocks

P₃vl Bimodal, submarine to subaerial volcanic rocks, including minor siliciclastic sedimentary rocks

P₃vm Pillow basalt, mafic volcanoclastic rocks, siliciclastic sedimentary rocks, and minor limestone and chert

Intrusive rocks

Neoproterozoic to Cambrian

P₃Em Mafic intrusions

P₃Cg Granitoid intrusions, including unseparated mafic phases