

LEGEND

Layered Rocks

POST-ACCRETION OVERLAP ROCKS

QUATERNARY	Dr	Recent sands, unconsolidated ash, conglomerate and columnar basalt flows; brown, red and black, distinctly alkaline
MIDDLE JURASSIC - LOWER CRETACEOUS	Gravina Basalt	Sandstone, conglomerate and shale as submarine turbidite deposits; interbedded with andesitic to basaltic volcanic rocks, metamorphosed to amphibolite facies; locally igneous diatremite gneiss
	Gr	Predominantly mafic metasedimentary rocks and lesser undeformed metasedimentary rocks
	GrM	Mafic metasedimentary rocks and lesser undeformed metasedimentary rocks
LOWER TO MIDDLE JURASSIC	Moffet volcanics	Basaltic flows with andesite and quartz-bearing myelite; minor thin volcanic unit stratigraphically underlying Unit JMG in Chatham Sound area

ALEXANDER TERRANE

TRIASSIC (?)

TrM	Mudstone, mudstone and conglomerate, quartzite and metasedimentary rocks of mafic to felsic composition; metamorphosed to amphibolite facies
TrG	Mafic, grey, thickly bedded

PALEOZOIC or MESOZOIC

PrM	Metasedimentary, siliceous green, biotite and garnet bearing; well sorted, medium grained and thickly bedded
PrG	Metasedimentary, siliceous green, biotite and garnet bearing; well sorted, medium grained and thickly bedded
PrM	Metasedimentary, siliceous green, biotite and garnet bearing; well sorted, medium grained and thickly bedded
PrG	Metasedimentary, siliceous green, biotite and garnet bearing; well sorted, medium grained and thickly bedded

WRANGELL TERRANE

UPPER TRIASSIC

WTr	Basalt flows with pillow structure; exposed on Bonilla Island, west of Bonilla fault; 10 km west of North Strait of Barka Island
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YUKON - TANANA TERRANE

PALEOZOIC to TERTIARY

YTr	Metasedimentary and lesser metasedimentary rocks
YTrM	Granitic quartz diorite, rhyolite and andesite, migmatite, minor garnet amphibolite and lesser amphibolite, quartzite, schist, marble and slates

Intrusive Rocks

SYN- and POST-ACCRETION INTRUSIVE ROCKS

PALEOGENE - EOCENE

Em	Quartz monzonite
EmM	Quartz monzonite
EmG	Quartz monzonite

LATE CRETACEOUS to PALEOGENE

PrM	Metasedimentary, siliceous green, biotite and garnet bearing; well sorted, medium grained and thickly bedded
PrG	Metasedimentary, siliceous green, biotite and garnet bearing; well sorted, medium grained and thickly bedded

LATE CRETACEOUS

Gr	Biotite-hornblende tonalite
GrM	Biotite-quartz monzonite
GrG	Biotite-hornblende granodiorite
GrM	Biotite-quartz monzonite
GrG	Biotite-hornblende granodiorite
GrM	Biotite-quartz monzonite
GrG	Biotite-hornblende granodiorite

McCauley Suite (ca. 81-87 Ma)

McM	Tonalite distinguished regionally by abundant prismatic titanite and magmatic epidote; numerous mafic enclaves
McM	Quartz monzonite
McM	Hornblende-biotite granodiorite
McM	Quartz diorite
McM	Diorite, gneissic metadiorite

EARLY to LATE CRETACEOUS

Captain Cove Suite (ca. 94-115 Ma)

CCM	Tonalite and quartz diorite; coarse-grained, locally abundant
CCM	Tonalite, locally abundant; coarse-grained, locally abundant
CCM	Tonalite, locally abundant; coarse-grained, locally abundant
CCM	Tonalite, locally abundant; coarse-grained, locally abundant
CCM	Tonalite, locally abundant; coarse-grained, locally abundant

LATE JURASSIC

LI	Felsic tonalite
LI	Biotite-hornblende-quartz monzonite; white, locally apatitic to coarse grained
LI	Hornblende-biotite granodiorite; medium- to coarse-grained, non- to well-foliated
LI	Hornblende-biotite-quartz diorite
LI	Diorite

PRE-ACCRETION INTRUSIVE ROCKS

ALEXANDER TERRANE

EARLY PERMIAN

Ap	Muscovite-rich orthogneiss, with or without kyanite; strongly foliated and banded
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DEVONIAN to MISSISSIPPIAN

Sweden Point Suite

SpM	Phylogeny: diorite
SpM	Phylogeny: diorite
SpM	Phylogeny: diorite

LATE SILURIAN to EARLY DEVONIAN

Ogish Channel Intrusive Complex

OgM	Metadiorite, metagabbro, metagranite and lesser metasedimentary and metasedimentary rocks; polydeformed under amphibolite facies conditions
OgM	Metadiorite, metagabbro, metagranite and lesser metasedimentary and metasedimentary rocks; polydeformed under amphibolite facies conditions

CAMBRIAN to ORDOVICIAN

Or	Tonalite and diorite; texturally heterogeneous
Or	Tonalite and diorite; texturally heterogeneous
Or	Tonalite and diorite; texturally heterogeneous

YUKON - TANANA TERRANE

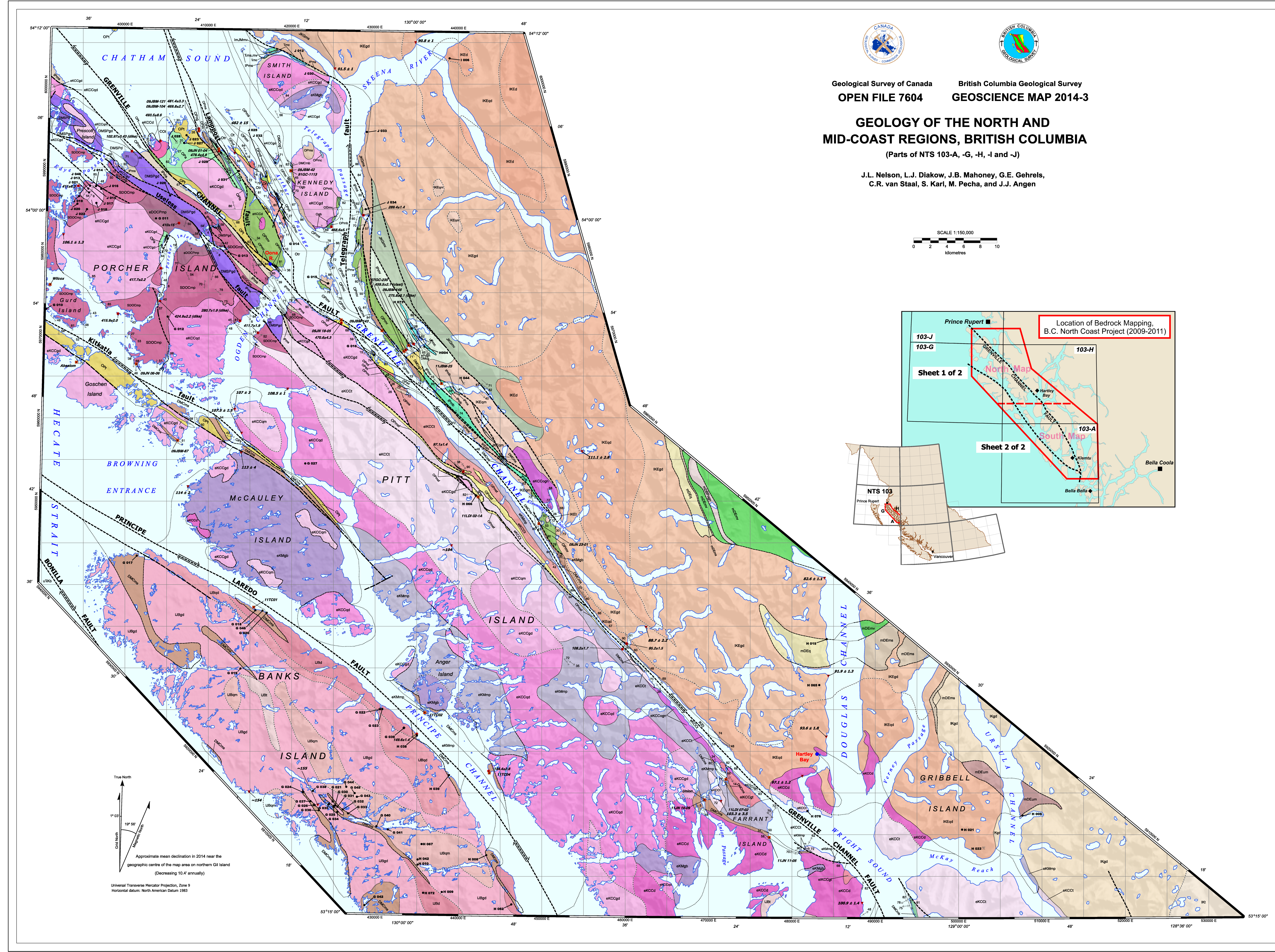
MIDDLE to LATE DEVONIAN

Big Falls Orthogneiss

BF	Ortho- and paragneiss, schist, migmatite, marble and slates
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OPEN FILE 7604
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GEOLOGY OF THE NORTH AND MID-COAST REGIONS, BRITISH COLUMBIA
 (Parts of NTS 103-A, -G, -H, -I and -J)
 J.L. Nelson, L.J. Diakow, J.B. Mahoney, G.E. Gehrels, C.R. van Staal, S. Karl, M. Pecha, and J.J. Angen

