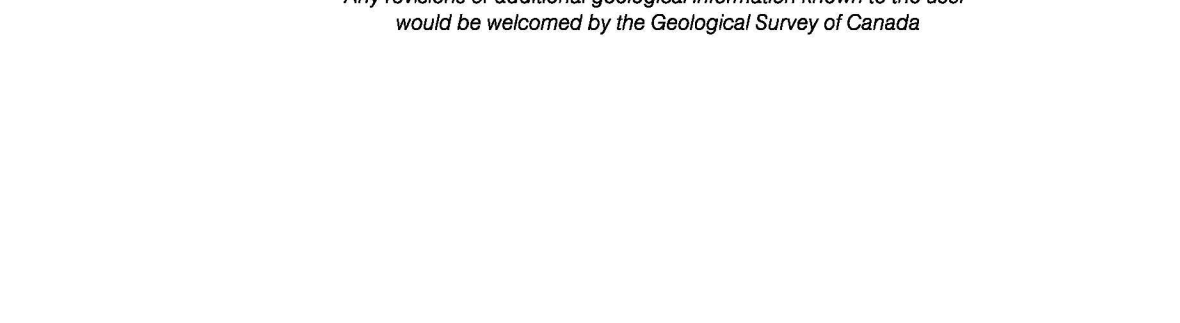
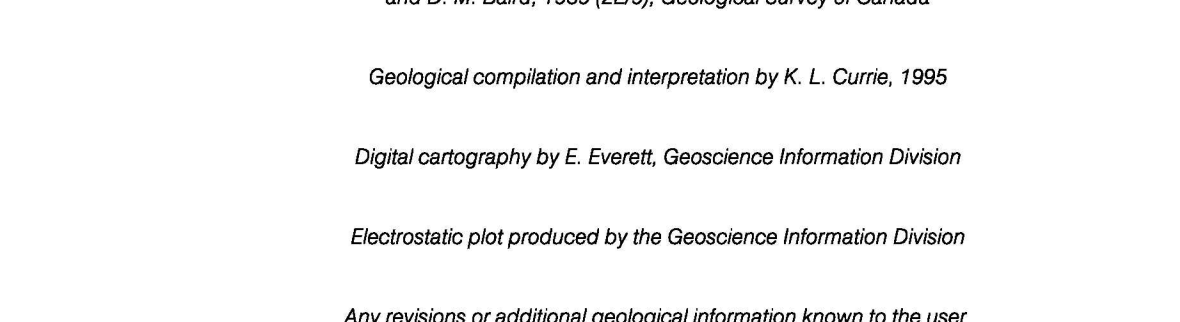
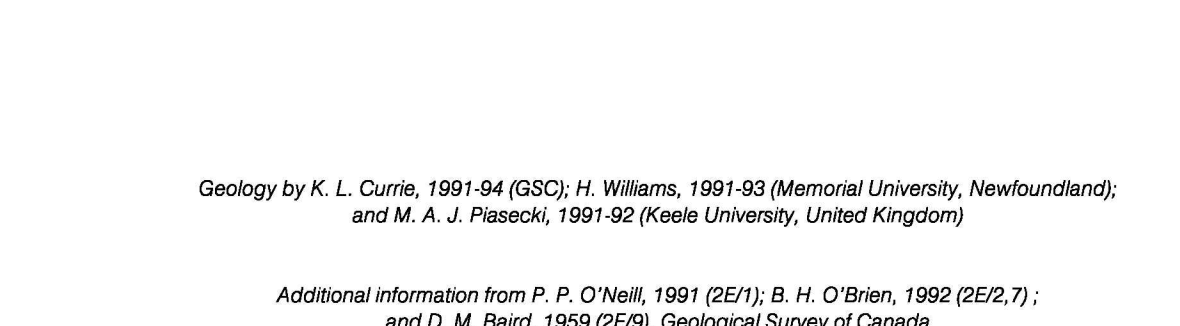
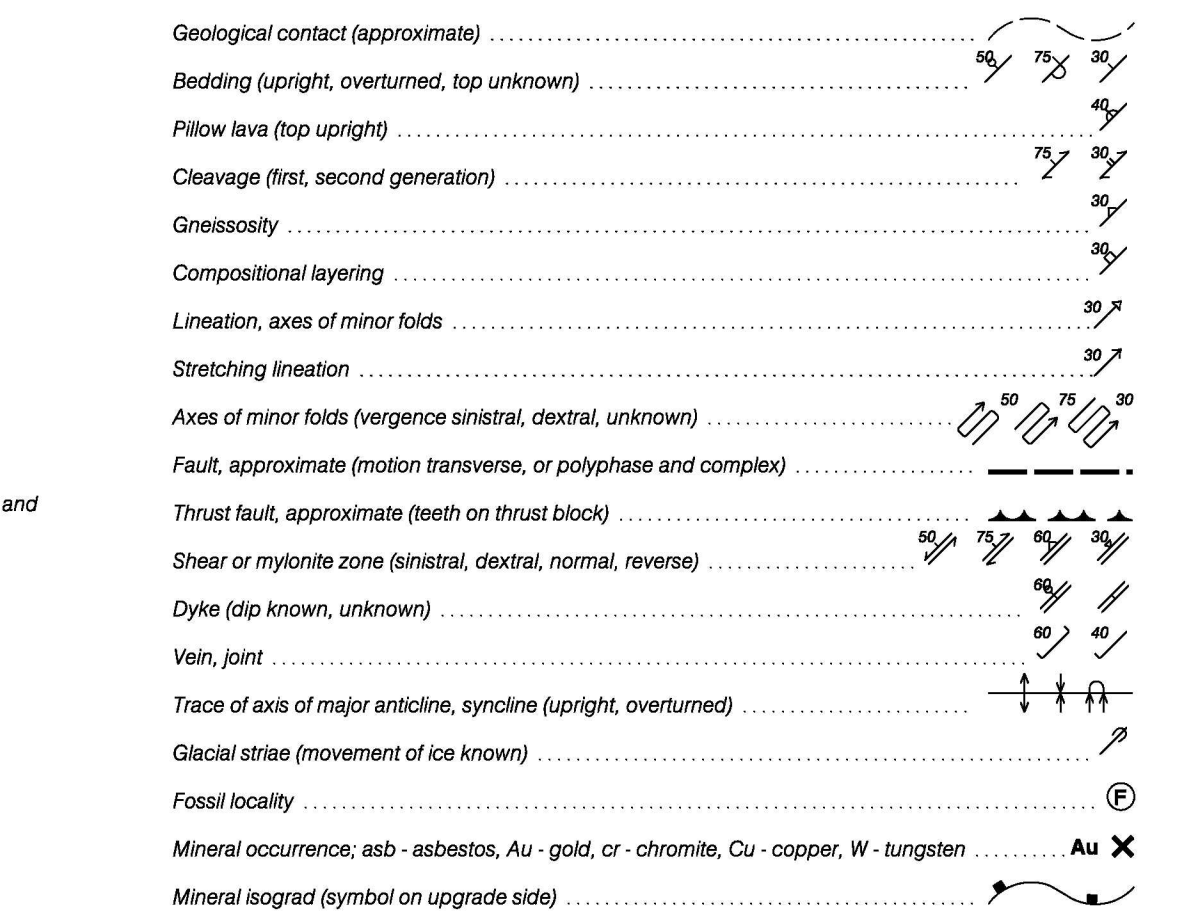


LEGEND

JURASSIC	Ji Biotite pyroxene lamprophyre; d-DILD POND PLUTON
LATEST SILURIAN AND DEVONIAN	Dmc DEADMAN'S BAY PLUTON: megacrystic biotite granite
	SDp Two-mica (+ and -) garnet granites, migmatite matrix RAGGED HARBOUR PLUTON; ISLAND POND PLUTON
	SDq Diorite, tonalite, monzonite, hybrid mafic and calc phases FOGGO BATHOLITH, L'LOON BAY BATHOLITH (core)
	SDm Gabbro, norite, mafic dykes; FOGGO BATHOLITH (includes layered Tilling complex); p-MOUNT PEYTON IGNEOUS SUITE
	SDft FLINN'S TACKLE COMPLEX: migmatite COG, amphibolite
SILURIAN	ST TEX MILE LAKE FORMATION: red shale, siltstone, minor sandstone
	SDs Laminated siltstone with rare volcanic blocks
	SDv Tectonic mélange; gabbro and basalt blocks in sheared mudstone
	SDp Pelitic schist with rare volcanic blocks
	SBB BIRMINGHAM HEAD FORMATION: ignimbrite, tuff, minor sandstone
	SBF FOGGO HARBOUR FORMATION: green siltstone with tuff beds
	SBW WIGWAM FORMATION: red and green cross-bedded sandstone
	SBL LAWRENCEVILLE FORMATION basalt flows, tuff, ignimbrite
	OSd DARK HOLE FORMATION: black pyritic shale with graptolites
	OSc COBB'S ARM FORMATION: limestone and marble
	OSv Basaltic volcanic rocks, locally pillowed
	SIH HORWOOD FORMATION: black shale with thin buff siltstone beds
	SIC CHARLES COVE FORMATION: grey siltstone with coralline lenses
	SIS SEAL ISLAND FORMATION: brecciated fossiliferous limestone

GOLDSON ARM GROUP (Sg)	Sgc Red boulder langiugonate and sandstone
	Ssg GREEN COVE FORMATION: green pebbles to cobble conglomerate
	Sj JOEY'S COVE MÉLANGE: Silurian blocks in mudstone matrix
LATE ORDOVICIAN AND EARLY SILURIAN BADGER GROUP (OSB)	OSbc Grey matrix-supported conglomerate with chert clasts
	OSbg Basal green siltstone and shale, massive greywacke
MIDDLE ORDOVICIAN EXPLOITS GROUP (OE)	OEB BAYTONA FORMATION: coloured chert, black Mn-chert, graptolite shale
	OEL LOON HARBOUR FORMATION: basalt flows, breccia, tuff, siltstone, dacite
	OEN NEW BAY FORMATION: interbedded green sandstone and shale, olistostromes
DAVIDVILLE GROUP (OD)	ODH HUNT'S COVE FORMATION: interbedded shale and siltstone
	ODO OUTFLOW FORMATION: sandstone, conglomerate, breccia
	ODW WEIRS POND FORMATION: sandstone with calcareous cement, limestone
HAMILTON SOUND GROUP (OH)	OHC CARMANVILLE MÉLANGE: volcanic and ultramafic clasts in pelite
	OHM MAIN POINT FORMATION: black pyritic shale with graptolites
	OHN NOGGIN COVE FORMATION: pillow lava, basalt agglomerate
	OHW WOODY ISLAND FORMATION: thin bedded siltstone with calcitules
SUMMERFORD GROUP (OH)	OSd DARK HOLE FORMATION: black pyritic shale with graptolites
	OSc COBB'S ARM FORMATION: limestone and marble
	OSv Basaltic volcanic rocks, locally pillowed

EARLY ORDOVICIAN	OP COAKER PORPHYRY: kaolinite porphyry, ultramafic inclusions
	OmC DUNNAGE COMPLEX (Om)
	Omn CHAPÉL ISLAND FORMATION: graded siltstone, olistostromes
	Omv Mélange: volcanic and sedimentary blocks in mudstone
	OCr Mappable volcanic blocks in mélange
LATE CAMBRIAN AND/OR EARLY ORDOVICIAN	OCr GANDER RIVER COMPLEX: p-peridotite, 1-trondhjemite, s-serpentine, chlorite and actinolite schist; g-gabbro, b-basalt, mafic volcanics, x-pagiteaceous porphyry
GANDER GROUP (Oa)	Oai INDIAN BAY BIG POND FORMATION: calcareous siltstone
	Ooc CUFF POND PELITE: siltstone and shale rhythmites; mylonite
	OCOG JONATHAN'S POND FORMATION: feldspathic psammite; amphibolite
CHANCEPORT GROUP (OC)	OCog Greywacke, argillite
	OCoc Coloured chert, siliceous volcanics
	OCocv Pillowed basalt, red chert
	COH HATCHET HARBOUR DYKE COMPLEX: sheeted mafic dykes
MORETON'S HARBOUR GROUP (COM)	COMW WESTERN HEAD FORMATION: bimodal volcanics
	COML LITTLE HARBOUR FORMATION: basaltic tuff
	COMB WEBBER BIGHT FORMATION: pillowed lava
CAMBRIAN	CT TWILLINGATE PLUTON: foliated and mylonitic trondhjemite
	CSv Bimodal volcanics at greenschist grade
	CSm Mafic volcanics, greenschist



The Gander River-Gander Bay region (NTS 2E, east half) spans the junction between oceanic and continental terranes, a first-order tectonic boundary associated with gold and base metal mineralization. The terranes were formed from west to east in northern Newfoundland and Fogo Islands through subduction, erosion and tectonic unroofing. The terranes were formed from west to east in northern Newfoundland and Fogo Islands through subduction, erosion and tectonic unroofing. The terranes were formed from west to east in northern Newfoundland and Fogo Islands through subduction, erosion and tectonic unroofing.

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