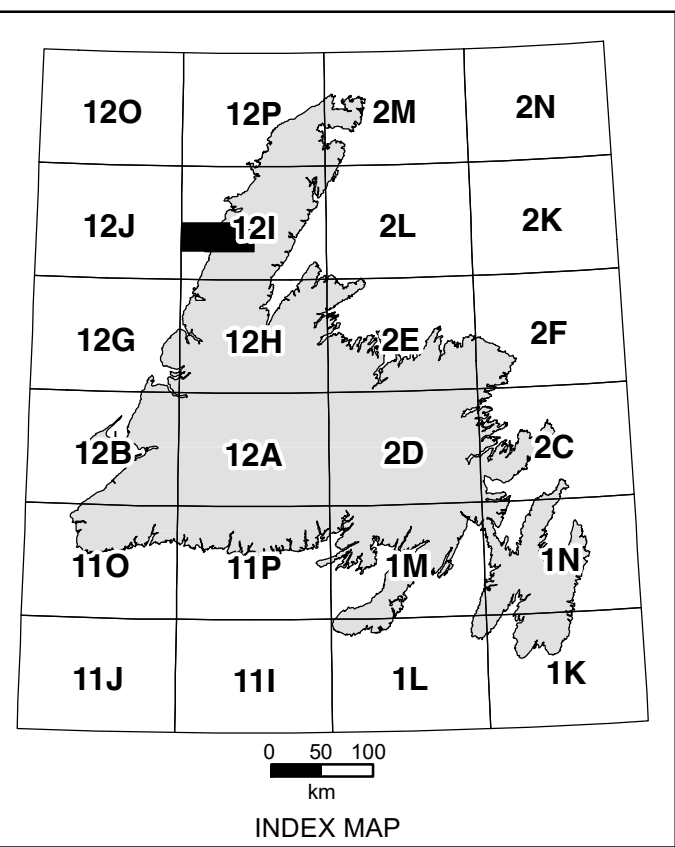
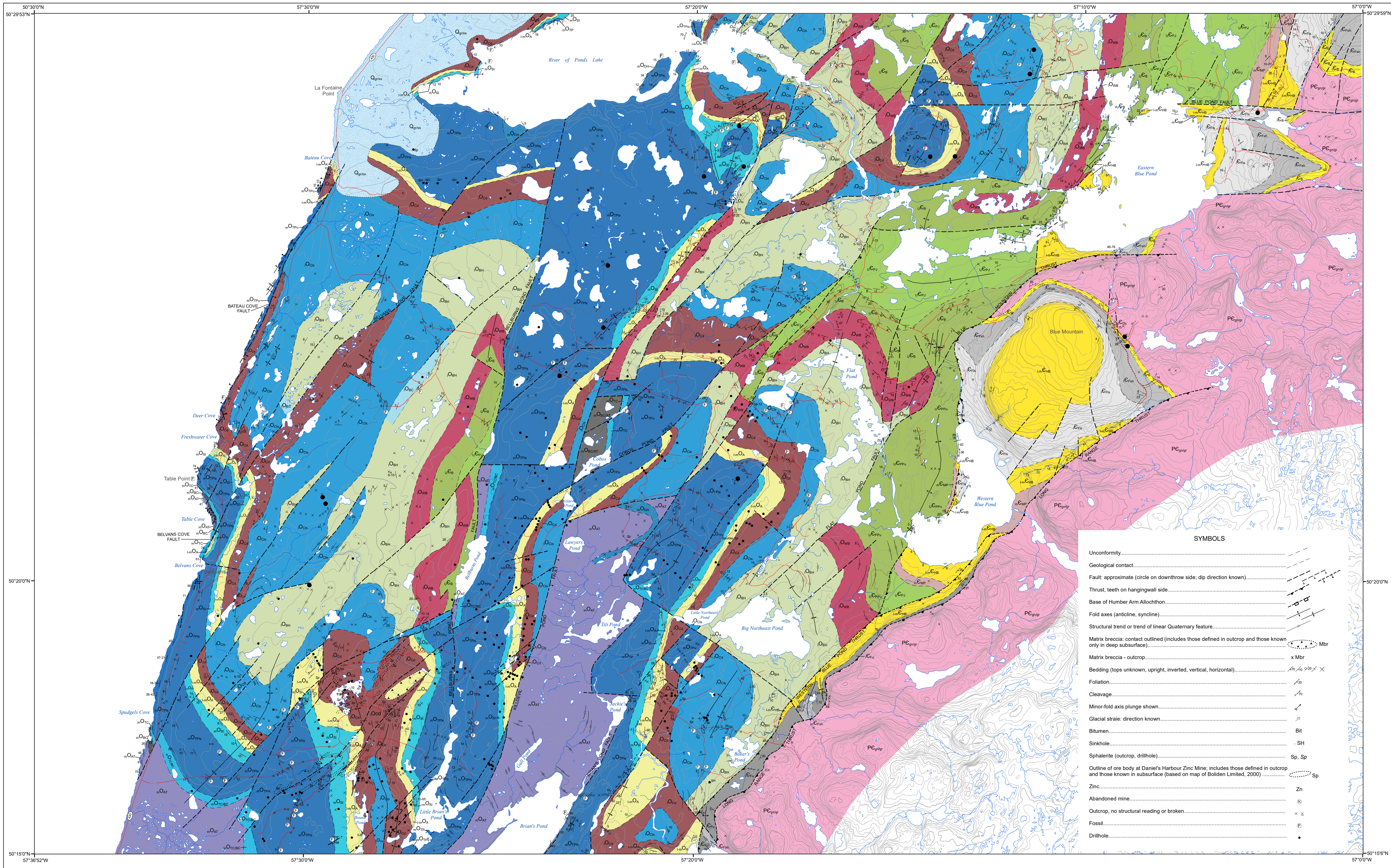


LEGEND

	Quaternary gravel, sand
AUTOCHTHONOUS LOWER PALEOZOIC SHELF AND FORELAND BASIN SEQUENCE	
GOOSE TICKLE GROUP	
American Tickle Formation	
	Interbedded green-grey to grey-thick sandstone, siltstone and shale; thick sequences of amalgamated lithic sandstone, locally pebbly and convoluted; slump beds; graptolites common
Daniel's Harbour Member	
	Thick amalgamated, dark- to matrix-supported limestone conglomerate consisting of mega stromatolite boulders and pebbles of limestone derived from the Table Point and Table Cove formations set in a dolomitic to shaly limestone matrix; some shale and sandstone tholoids. Top of the conglomerate is overlain by lime granitoid and lime mudstone. The member rests directly on the Table Point Formation at several localities and is intercalated within the American Tickle Formation at others. O_{Dm} - dolomitized
Black Cove Formation	
	Black shale, graptolite, with thin beds and laminae of siltstone and lime mudstone; O_{Dm} - undivided Black Cove and American Tickle formations
TABLE HEAD GROUP	
Table Cove Formation	
	Interbedded dark grey, thin bedded, stylonodular, bioturbated and fossiliferous limestone passing up into thin bedded lime mudstone and grey shale; slump scars, slides and slump beds throughout; O_{Dm} - undivided Table Cove and Black Cove formations
Table Point Formation (<math>\text{O}_{\text{Dm}}</math> - undivided)	
	Dark grey, well bedded, massive, bioturbated, stylonodular and lesser thin bedded, lime mudstone and peloidal fossils include lime wackestone and packstone; lime granitoid and sponge-rich mudstone mounds locally; slump beds; fossils include stromatolites, brachiopods, high to planispiral gastropods, large straight to coiled cephalopods, ostracods, bryozoan, and sponges; molluscan fossils commonly replaced by white calcite spar; dark-grey chert common on bedding surfaces; the dark-grey limestone constitutes the bulk of the formation above the Spring Inlet Member; O_{Dm} - White-weathering, dull grey, medium to finely crystalline, saccharine dolomite rich in porosity and irregular vugs; dolomite spar replaces fossils especially molluscs
Spring Inlet Member	
	Well-bedded, fenestral-rich, off-white to light grey, peloidal and fossiliferous, lime granitoid to mudstone, laminated limestone, fossil-rich beds and coquinas; and meta-thick, shallowing upward sequences of bioturbated and stylonodular grey dolomitic limestone and laminated lime mudstone and dolostone. The fenestral limestone facies varies in thickness and dominates the member in the map area. The meter-thick, limestone-dolostone sequences locally intercalate with fenestral limestone generally at or near the base of the formation; O_{Dm} - White to cream, finely crystalline dolostone generally preserving depositional fabrics and rich in porosity
ST. GEORGE GROUP	
St George Group: Undivided (<math>\text{O}_{\text{Dm}}</math> - dolomitized)	
Aguathuna Formation	
	Yellow to buff weathering, pale grey to green-grey, finely crystalline to microcrystalline dolostone and green-grey shaly dolostone includes bioturbated and laminated types, the former often displaying a light and dark mottling and the latter associated with shale interbeds with mudstones and packstones; lime granitoid and sponge-rich mudstone mounds locally; slump beds; fossils include stromatolites, brachiopods, high to planispiral gastropods, large straight to coiled cephalopods, ostracods, bryozoan, and sponges; molluscan fossils commonly replaced by white calcite spar; dark-grey chert common on bedding surfaces; the dark-grey limestone constitutes the bulk of the formation above the Spring Inlet Member; O_{Dm} - White-weathering, dull grey, medium to finely crystalline, saccharine dolomite rich in porosity and irregular vugs; dolomite spar replaces fossils especially molluscs
Catoche Formation	
	A thick upper succession of alternating well-bedded, finely crystalline, burrow-mottled and unevenly thin stratified (razor bedded) dolostone displaying fossils of fossils, and dark grey, saccharine, medium to coarse crystalline dolostone rich in white sparry dolomite veins and vuggy cavities; beds and wedges of grey limestone are present locally. The limestone ranges from fossiliferous to peloidal, bioturbated wackestone-packstone to cross-bedded peloidal granitoid
	A thick uniform, lower succession of dark grey, burrow-mottled, dolomitic lime wackestone to packstone rich in fossils, peloids and micritic tholoids; beds of intraclastic and skeletal-rich ruststone mark the lower part of the formation alternating with undulating thinly stratified to nodular dolomitic limestone and a rare thin bed of mudcracked, dolomitic and argillaceous lime laminites; thick beds of thrombolitic boundstone rich in large gastropods, cephalopods, brachiopods, stromatolites, crinoids and the sponge <i>Archaeocypris</i> are spaced throughout the succession including one mound bed just above the base of the formation; horizons of black, coarsened chert nodules are locally present
Boat Harbour Formation	
	Metre-scale sequences of dark to light grey dolomitic limestone and dolostone. The sequences include bioturbated dolomitic limestone, micritic limestone, uneven, thinly stratified dolomitic limestone and laminated limestone and dolostone. The formation is extensively dolomitized in the map area except at the top of the formation, the Barbace Cove Member
Barbace Cove Member	
	Metre-scale sequences of bioturbated, fossil-rich packstone and grainstone, beds of intraclastic and skeletal-rich ruststone, undulating thinly stratified dolomitic limestone and beds of mudcracked, dolomitic and argillaceous, laminated limestone. A basal ruststone rich in chert pebbles, silicified fossils, and dolostone pebbles marks the base of the member at the contact of the Boat Harbour disconformity
Watts Blight Formation	
	Dark grey and black, light grey- and white-mottled, fine- to medium-crystalline dolostone. Mottling is related to bioturbation and fabrics of large thrombolitic boundstone mounds. Dolostone is bituminous and has extensive chert
PORT AU PORT GROUP	
undivided Port au Port Group of fine dolostone, shale and minor limestone	
Berry Head Formation	
	Well bedded, buff to light grey-weathering, pale grey, thinly stratified and lesser burrow-mottled, microcrystalline dolostone with beds of dark grey medium to finely crystalline dolostone after columnar, stromatolitic boundstone; chert is common; rare dark grey shale
Petit Jardin Formation	
	Well bedded, buff to yellow-weathering, pale grey, thinly stratified, laminated and lesser burrow-mottled, microcrystalline dolostone with beds of dome stromatolitic dolostone; sparry dolomite and clear quartz lined vugs; green-grey shale occurs associated with thinly stratified and laminated dolostone; beds of intraclastic and skeletal-rich ruststone and red and green shale occur near the base; dolostone collapse breccias occur locally; minor chert near the top of the formation; stromatolitic, oolitic and fossiliferous limestone beds occur locally in the middle of the formation in the Bellburns map area
March Point Formation	
	Dark grey, burrow-mottled to thinly bedded, argillaceous, finely crystalline dolostone; trilobites present locally; sparry dolomite and clear quartz lined vugs
LABRADOR GROUP	
Hawks Bay Formation	
	Thick units of well-bedded and cross-bedded, fine to coarse grained, white, pink, purple and red quartz arenite alternating with units of thinly stratified grey sandstone, siltstone and shale
Forteau Formation	
	Undivided of dark grey grainy limestone, grey shale and siltstone, minor sandstone and pink to grey limestone
	Upper limestone of dark grey oolitic, oncoidic and skeletal grainstone, grey shale and thin-bedded sandstone, rich in olenellid and pychoparid trilobites and small cone fossil <i>Salterella</i>
	Middle shale of a lower succession of dark grey to grey shale rich in olenellid trilobites, scattered limestone nodules and some nodular fossiliferous limestone interbeds and an upper succession of grey, extensively bioturbated siltstone, lesser shale and minor sandstone
IC De Devils Cove Member - Pink, white to pale grey, nodular to locally grainy, fossil-rich limestone with thin shale partings and interbeds, sandy at the base	
Bradore Formation	
	Pink, red, and brown arkosic, fine to coarse grained, locally pebbly sandstone overlain by grey to dark green and pinkish grey, micaceous and glauconitic, fine-grained sandstone and siltstone with minor trace fossils; a thick bed of rusty weathering, coarse-grained to granitoid sandstone rich in quartz and shale pebbles mark the top of the formation capping an upper unit of cross-bedded red sandstone
PROTEROZOIC	
GRENVILLE GROUP	
	Undivided, pink to red, fine to coarsely crystalline granite; local quartz mica schist and mafic and granite gneiss



GIS/digital cartography by K. Morgan.

Base map in digital format published by Geomatics Canada, Earth Sciences Sector, Natural Resources Canada, Ottawa.

Elevations in feet above mean sea level. Contour interval 100 feet.

Universal Transverse Mercator (UTM) projection Zone 21.

North American Datum (NAD) 1927.

Open File 01210324 (includes notes for map users as a separate document).

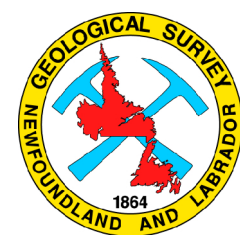
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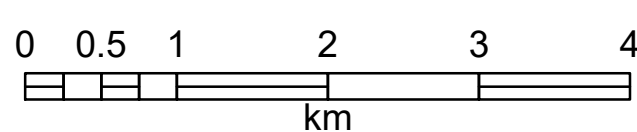
Published 2020.

MAP 2020-16



GEOLOGY OF THE BELLBURNS (NTS 121/05 AND 121/06) MAP AREA

Scale 1:50 000



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Recommended Citation
Knight,
2020. Geology of the Bellburns (NTS 121/05 and 121/06) map area, Scale 1:50 000. Government of Newfoundland and Labrador, Department of Natural Resources, Geological Survey, Map 2020-16. Open File 01210324 (includes notes for map users as a separate document).