



LEGEND

This legend is common to maps 1689A and 1690A, coloured legend blocks indicate map units that appear on this map

SURFICIAL DEPOSITS

QUATERNARY

POST-LAST GLACIATION

NONGLACIAL ENVIRONMENT
Ap, Ai, Af FLUVIAL SEDIMENTS: alluvium, gravel and sand, 2-20 m thick, forming braided floodplains. Ap, low terraces, Ai, and fans, Af

Mr MARINE SEDIMENTS: gravel, sand, silt, and clay, 1-20 m thick, deposited in deltaic and beach environments during regression of the postglacial sea

Mt Beach sediments: gravel and sand, 1-5 m thick, forming ridges and swales

Md Deltaic sediments: coarsening upward sequences of clay, sand, silt, and gravel, 5-20 m thick, forming dissected terraces

LAST GLACIATION

PROGLACIAL AND GLACIAL ENVIRONMENTS
Mv GLACIAL MARINE SEDIMENTS: clay, silt, sand, and gravel, 1-30 m thick deposited in deepwater ice marginal and proglacial environments while the sea stood at or near marine limit

Mb Deepwater proglacial silt veneers: silt, clay silt, and fine sand, 1-2 m thick

Mm Deepwater proglacial silt blankets and plains: silt, clay silt, and fine sand with minor gravel, claststone beds, and dropstones, 2-30 m thick, forming plains and blanketing low angle slopes, extensively disrupted by thermokarst in places

Lv, Lb Ice contact glaciomarine sediment: clay, silt, sand, and minor gravel, 10-30 m thick, forming and moraine ridges, extensively kettled and dissected in places

Gp, Gt, Gf GLACIAL LACUSTRINE SEDIMENTS: silt and sand deposited in glacier dammed lakes, forming veneers less than 1 m thick, Lv, blankets 1-2 m thick, Lb

Gr, Gb GLACIOFLUVIAL SEDIMENTS: gravel and sand, 1-10 m thick, deposited behind, at, and in front of the ice margin

Tm Proglacial outwash: gravel and sand, 1-5 m thick, forming braided floodplains, Gp, terraces, Gt, and fans, Gf

Td Ice contact stratified drift: gravel and sand, 5-10 m thick, deposited as esker ridges, Gr, and kames, Gb

GLACIAL ENVIRONMENT
Tm TILL: nonsorted stony muds, 0.5-60 m thick, deposited or remoulded during three main regional ice flow phases, occurring as six distinct morphological facies. Main flow phases are north-northwestward, 1; northward curving to northwestward, 2; and eastward, 3

T3b End moraines: ridges, 5-60 m high, composed of or mantled by till, extensively kettled in places, formed during deglaciation after third phase of regional ice flow

T3d Till blanket and streamlined till plain: 2-5 m thick, forming a blanket on broad interflows and fields of drumlinoid ridges a few metres high in lower areas

T3r Ribbed moraine fields: short, sinuous, subparallel ridges, 2-5 m high, composed of or mantled by till

T3d Drumlin field: drumlinoid ridges, 5-30 m high, composed of or mantled by till

T3r Ribbed moraine fields: short, sinuous, subparallel ridges, 2-5 m high, composed of or mantled by till, associated with northward ice flow of phases 1 and 2

T3d Drumlin field: drumlinoid ridges, 5-30 m high, composed of or mantled by till

T3p Till plain with megaliftings, kilometres wide, 5-10 km long, and only a few metres high

TV Till veneer: 0.5-2 m thick and discontinuous, surface mimics form of underlying rock surface, associated with various regional ice flow phases

PRE-LAST GLACIATION

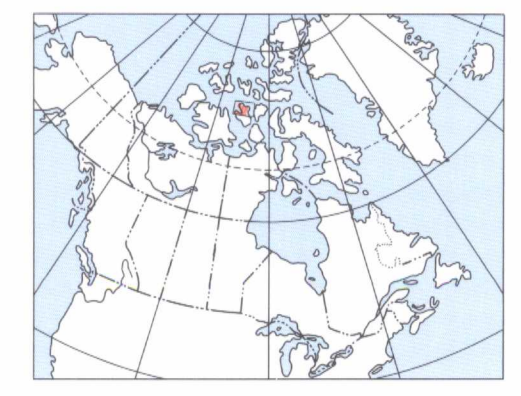
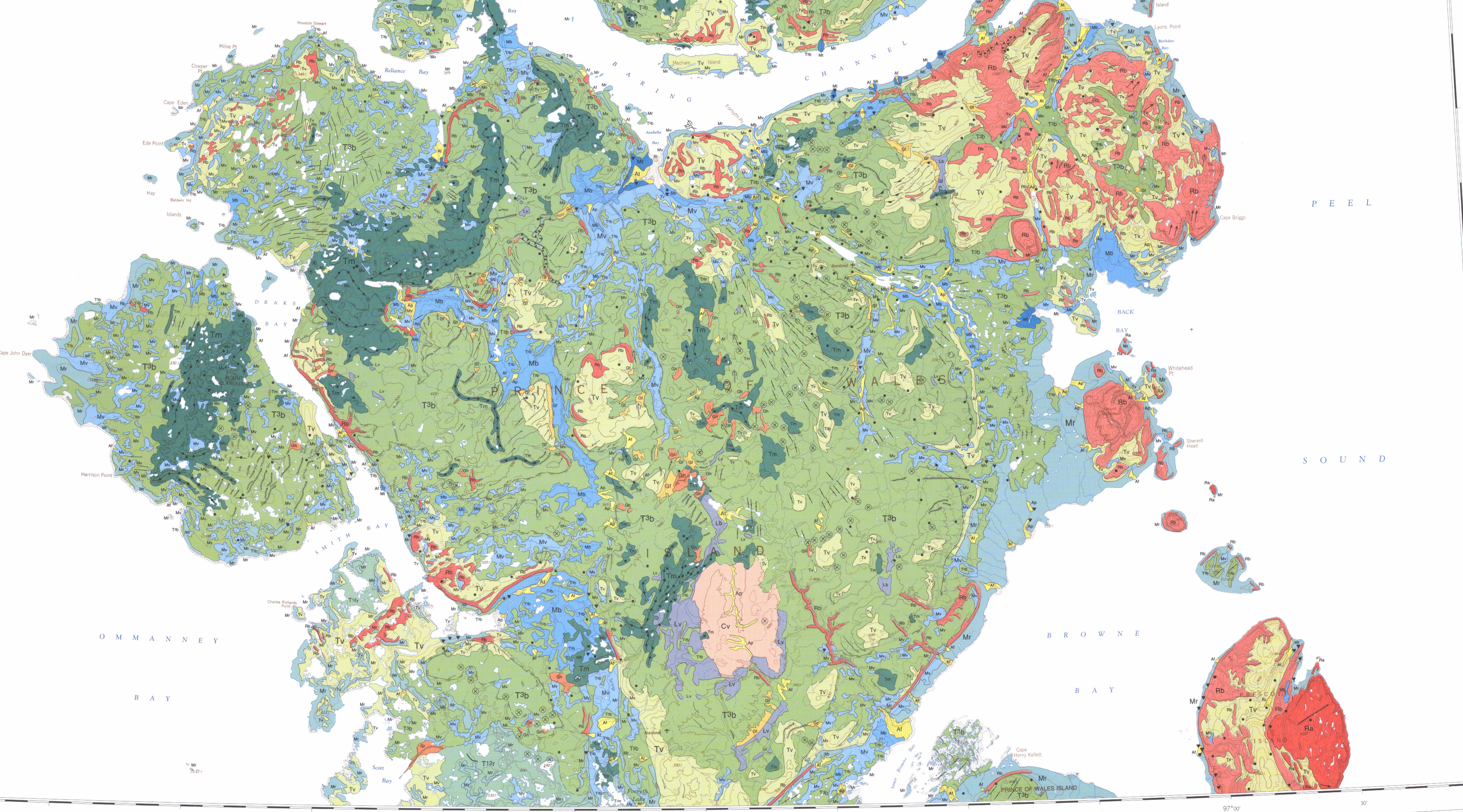
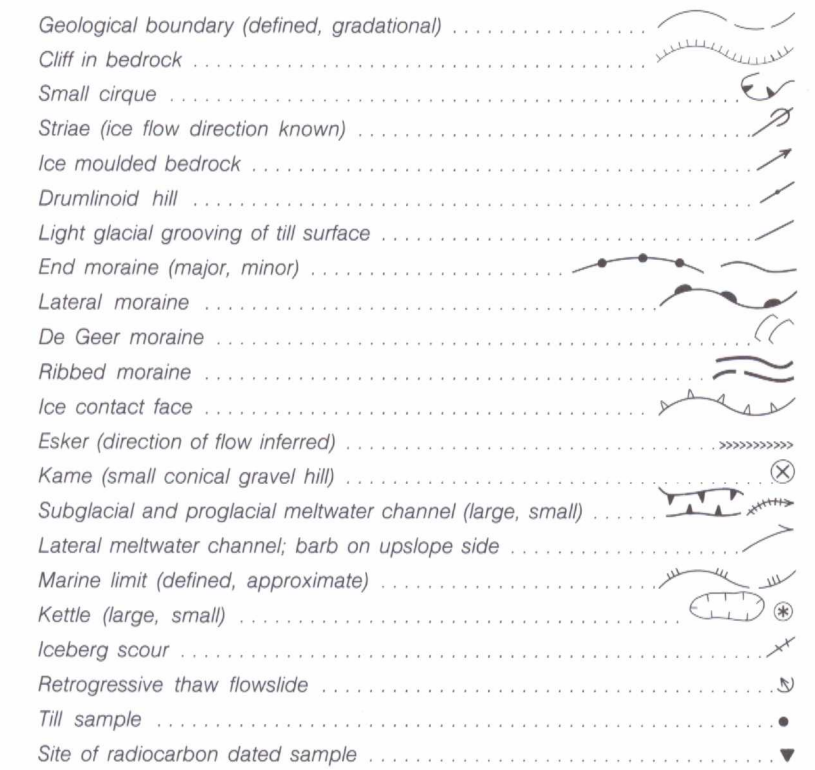
NONGLACIAL (PERIGLACIAL) ENVIRONMENT
Cv COLLUVIUM and RESIDUUM: stony mud and muddy rubble, 1-2 m thick, formed by weathering of carbonate bedrock and mass movement of weathered mantle on smooth southfacing graded slopes, protected by cold-based ice during last glaciation

ROCK

PRE-QUATERNARY
Rb ROCK: rock of various lithologies and ages; hilly and hummocky, with basins, steep slopes, and cliffs, and ice-moulded forms produced by glacial scouring, and with channels cut by meltwater includes patches of thin till and minor scree aprons along coastal cliffs

Ra Consolidated sedimentary rocks: limestone, dolostone, mudstone, sandstone, and conglomerate of lower Paleozoic age, surface commonly frost shattered to play blesser

Ra Igneous and metamorphic rocks: gneiss with minor marble and quartzite of Precambrian age; joint blocks slightly displaced by frost heave but essentially unweathered



Canada
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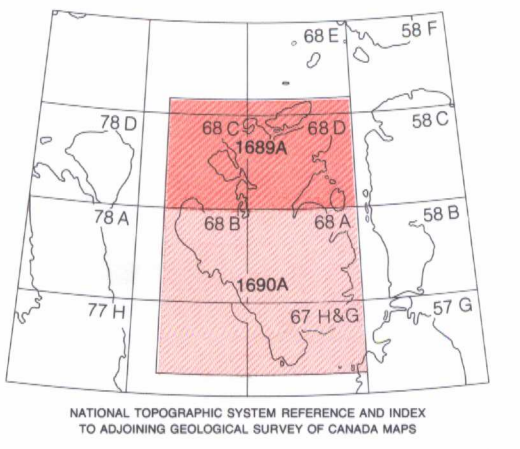
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MAP 1689A
 SURFICIAL GEOLOGY
**NORTHERN PRINCE OF WALES
 AND RUSSELL ISLANDS**
 DISTRICT OF FRANKLIN
 NORTHWEST TERRITORIES

Scale 1:250 000 - Échelle 1/250 000
 Kilometres 5 10 15 20 Kilometres
 Universal Transverse Mercator Projection / Projection transverse universelle de Mercator
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