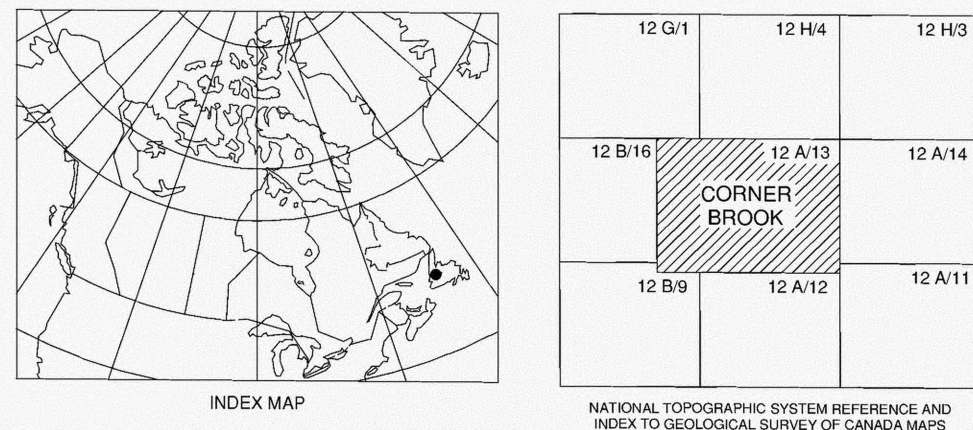


**CORNER BROOK LAKE REGION
NEWFOUNDLAND**

Scale 1:50 000 - Échelle 1/50 000

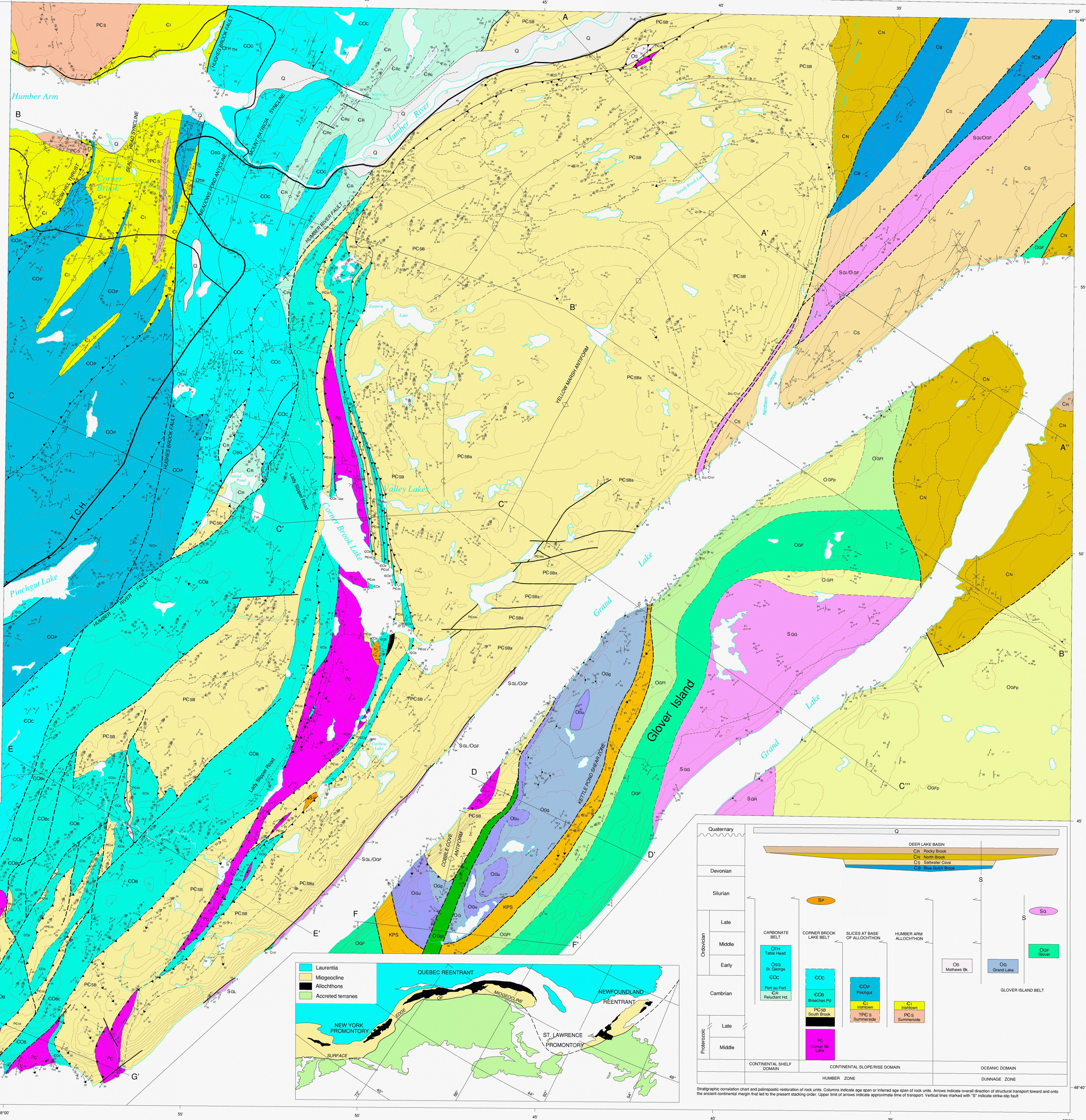
kilometres 1 0 1 2 3 4 kilometres



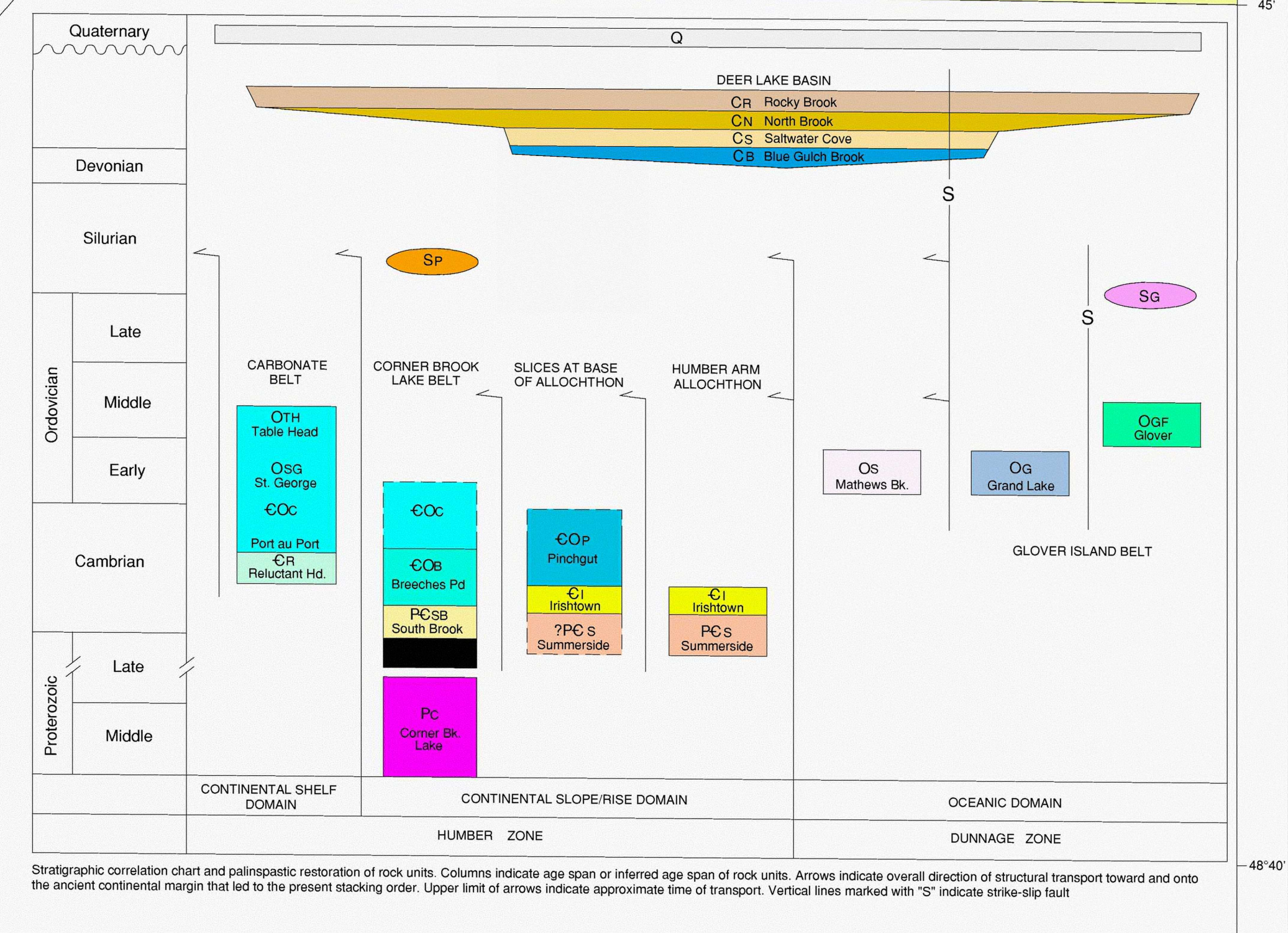
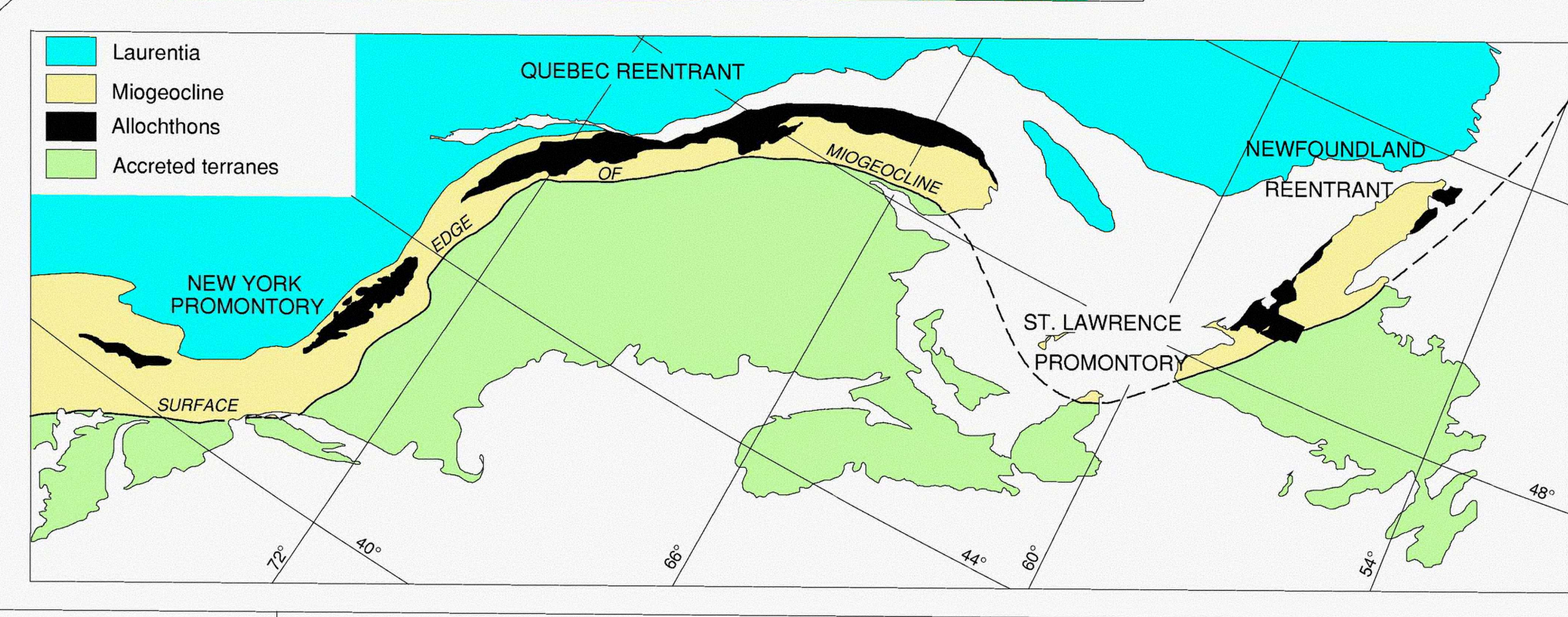
SYMBOLS

- Geologic boundary (defined, approximate or assumed)
- Bedding (S₁, upright, overturned)
- Layering of primary banding plutonic rocks
- Attitude of mafic dykes (inclined)
- Onset of schistosity in basement rocks
- Cleavage or schistosity (S₁, S₂, S₃, S₄)
- Fracture cleavage
- Kink band
- Fault orientation
- Fold axis (F₁, vergence not determined, S-fold, Z-fold, M-fold)
- Concentration lineation (L₁, L₂, L₃, L₄)
- Intersection lineation (U₁, U₂, U₃, U₄)
- Fold axis (strike)
- Strike-slip
- Mineral or stretching lineation
- Thrust fault (defined, approximate or assumed)
- High-angle fault (defined, approximate or assumed)
- Extensional fault (defined, approximate or assumed)
- Axis of upright anticline with plunging, overturned anticline
- Axis of upright syncline with plunging, overturned syncline
- Axis of recumbent fold

Geology by P.A. Caswood and J.A.M. Van Gool



- LEGEND**
- COVER ROCKS**
- QUATERNARY**
- Q Gravel and glacioluvial deposits: sand, gravel, boulder clay, silt
- CARBONIFEROUS (VISEAN)**
- DEER LAKE BASIN**
- CR ROCKY BROOK FORMATION: red brown siltstone and mudstone with sandstone and oil shale
 - CN NORTH BROOK FORMATION: red brown siltstone and sandstone with pebbles conglomerates and minor limestone
- CARBONIFEROUS (TOURNASIAN)**
- ANGUILLE GROUP**
- CS SALTWATER COVE FORMATION: gray sandstone and siltstone, black carbonaceous mudstone with minor conglomerate, limestone and dolostone
 - CB BLUE GULCH BROOK FORMATION: gray pebbles to cobble conglomerate, micaceous sandstone and rare impure limestone
- PLUTONIC ROCKS**
- SILURIAN**
- Sp Pegmatite and granite: intrusive into internal domain of Humber Zone
 - Sg Plutons intrusive into Durnage Zone mafic igneous rocks: medium grained equigranular granodiorites with minor granite, gabbro and diorite; Sgl, Glover Island Granodiorite; Sgl, Red Hook Brook Granodiorite; Sgl, Island Pond pluton; Sgl, Little Paddle Point pluton
- DUNNAGE ZONE**
- EARLY ORDOVICIAN**
- KPS Kettle Pond shear zone
 - Og Glover FORMATION: mafic and silicic volcanic rock and high level intrusives with minor volcanoclastic sedimentary rock; Ogr, pillow lava and diabase; Ogr, felsic and mafic volcanic rock
- PALEOZOIC**
- GRAND LAKE COMPLEX: massive and layered gabbro, variably serpenitized and metamorphosed ultramafic rock, basal greenschist, iron-bearing and cross-cutting mafic dykes; Ocu, gneiss; Ocu, serpenitized ultramafic rock; Ocu, gabbro**
- MATTHEWS BROOK SERPENTINITE: Serpenitized ultramafic rock with talc-carbonate and quartz-carbonate-illite alteration; restricted to fault-bounded dikes in internal domain of Humber Zone**
- HUMBER ZONE**
- HUMBER ARM ALLOCTHON (EXTERNAL DOMAIN)**
- EARLY CAMBRIAN**
- Cl BRISHTOWN FORMATION: dark grey to black shale with burl to grey quartzite and pebbles to boulder conglomerate
- LATE PROTEROZOIC TO EARLY CAMBRIAN**
- PCs SUMMERSIDE FORMATION: red, green and grey sandstone, granite to pebble conglomerates and shale
- SLICES OF SEDIMENTARY ROCK AT BASE OF ALLOCTHON**
- MIDDLE CAMBRIAN TO EARLY ORDOVICIAN**
- COc PINCHGUT FORMATION: thin bedded limestone and dolomitic mudstone, grey to green shale, pebbles to boulder grey limestone conglomerate, and dark green sandstone; COu, predominantly limestone and limestone conglomerate
- TACONIAN AUTOCTHON (EXTERNAL DOMAIN)**
- CARBONATE BELT**
- MIDDLE CAMBRIAN TO MIDDLE ORDOVICIAN**
- COc PORT AU PORT, ST. GEORGE AND TABLE HEAD GROUPS: grey limestone and dolostone, minor shale; COu, St. George Group, bedded dolostone and limestone; COu, Table Head Group bedded grey limestone
- LATE CAMBRIAN**
- CR Reluctant HEAD FORMATION: thin bedded limestone, dolomitic mudstone, grey to green shale, and platy limestone conglomerate
 - CRc, matrix-rich sequence
- TACONIAN AUTOCTHON (INTERNAL DOMAIN)**
- CORNER BROOK LAKE BELT**
- FLIEUR DE LYS SUPERGROUP**
- EARLY CAMBRIAN TO EARLY ORDOVICIAN**
- COc BREECHES POND FORMATION: grey calcareous schist, calc-mica schist, mica and granitic schist, matrix and matrix-rich conglomerate; COc, matrix-rich sequence
- MOUNT MUSGRAVE GROUP**
- LATE PROTEROZOIC TO EARLY CAMBRIAN**
- PCsB SOUTH BROOK FORMATION: psammite and pelitic schist, quartzite, garnet schist, and minor marble, amphibolite and quartz pebble conglomerate; PCu, quartzite/pelitic schist and gneiss, minor pelite and amphibolite, with pervasive albite poegonitization; includes granitoid gneiss which is probably equivalent to F₁ or F₂
- VOLCANIC AND INTRUSIVE ROCKS**
- LATE PROTEROZOIC**
- IR LADY SLIPPER PLUTON: deformed granodiorite and amphibolite
- BASEMENT ROCKS**
- MIDDLE AND LATE PROTEROZOIC**
- PC Corner Brook LAKE COMPLEX: granitoid gneiss with amphibolite and minor quartzite and psammite gneiss



COOPERATION AGREEMENT ON MINERAL DEVELOPMENT ENTENTE DE COOPÉRATION SUR L'EXPLOITATION MINÉRIÈRE

Contribution by Canada Newfoundland Cooperation Agreement on Mineral Development (1990-1994), a subsidiary agreement under the Economic and Regional Development Agreement.

Contribution à l'Entente de coopération Canada-Terre-Neuve sur l'exploitation minière (1990-1994), entente auxiliaire rédigée en vertu de l'Entente Canada-Terre-Neuve de développement économique et régional.

Canada Newfoundland Terre-Neuve

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OTTAWA
1994

SHEET 1 OF 2