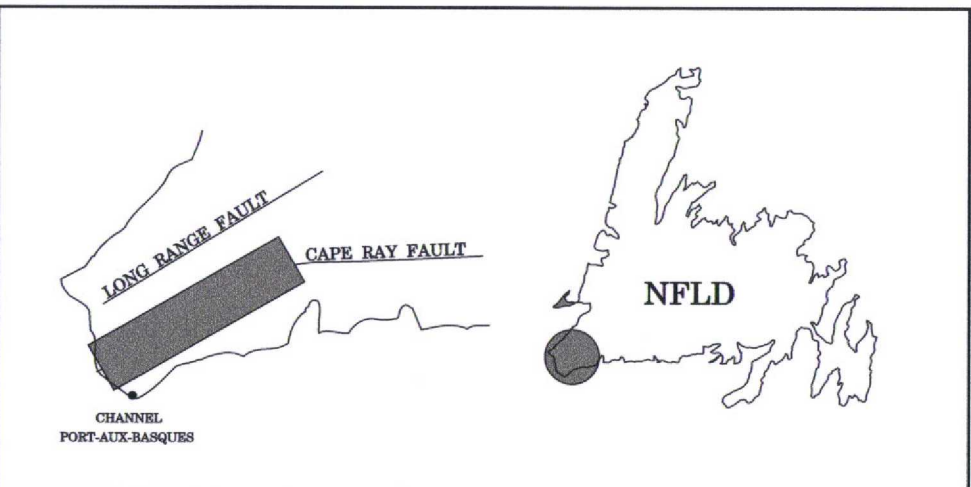
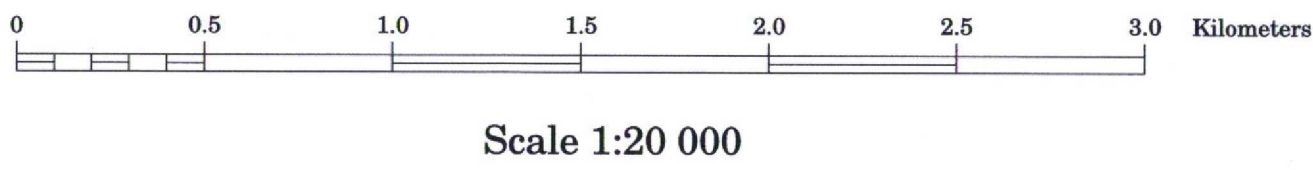


CAPE RAY FAULT ZONE
SW NEWFOUNDLAND

Map produced by **Benoît Dubé and Kathleen Lauzière, 1995**
Base map digitized by L. Dubé from parts of 1:50 000 scale maps 11-O/10, 11-O/11, 11-O/14, 11-O/15
Computer graphics by M. Boutin
Quebec Geoscience Center (CGQ)

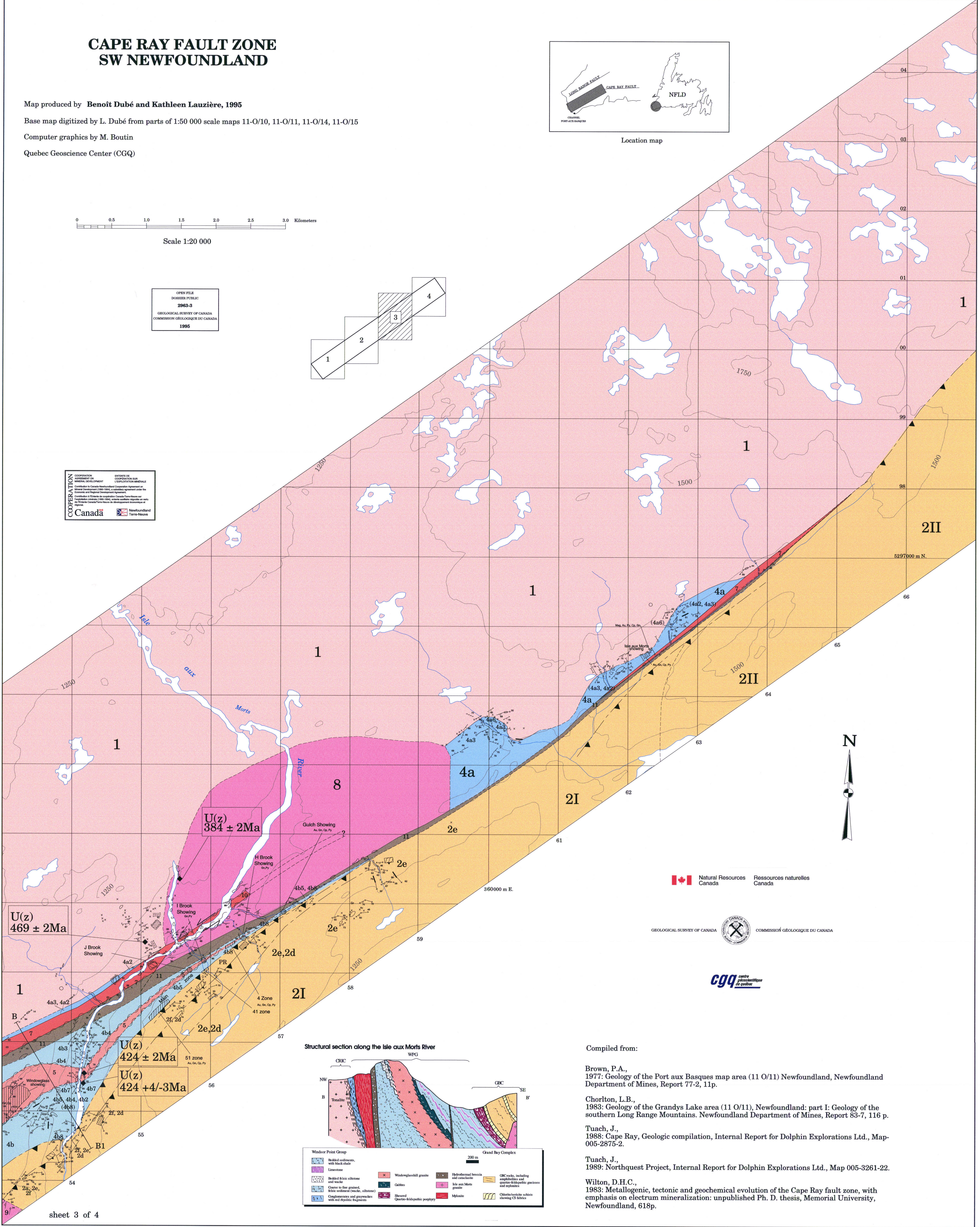


Location map



Scale 1:20 000

OPEN FILE
Dossier Pétrole
2963-3
GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA
1995



LEGEND

- Post-Early to Mid Devonian**
- 11 Hydrothermal breccia, and cataclastic rocks.
 - 10 Strike-slip mylonite (in Strawberry Granite)
- Early to Mid Devonian**
- 9 Devonian granites
 - 9 Isle aux Morts Granite
 - 8 Strawberry Granite
 - medium- to coarse-grained, equigranular to alkali feldspar-porphyratic, white to red biotite granite to granodiorite
- Late-Silurian to Early Devonian**
- 7 Strike-slip mylonite (in the WPG, and/or in CRIC)
 - 6 Mylonite (in the WPG)
- Early Silurian**
- 5 Windowglass Hill Granite (WGH)
- Ordovician and Silurian**
- 4 Windsor Point Group: Bimodal volcanic and volcanoclastic rocks with associated sedimentary rocks (WPG)
 - 4b Windsor Point Group (Silurian)
 - 4b1 Quartz-feldspar porphyry, felsic volcanoclastics
 - 4b2 Mafic volcanoclastics
 - 4b3 Conglomerate, polygenic to monogenic
 - 4b4 Greywacke, shale and pebbly sandstone
 - 4b5 Black shale and/or graphitic shale
 - 4b6 Limestone
 - 4b7 Gabbro
 - 4b8 Chlorite-sericite schist and chlorite schist
 - 4b9 Quartz-sericite schist
 - 4a Ordovician to Silurian (Little Barachois Formation)
 - 4a1 Rhyolite and associated pyroclastic and epiclastic rocks, locally quartz-feldspar-phyrific
 - 4a2 Polygenic conglomerate with abundant felsic volcanic clasts, typically magnetic
 - 4a3 Graywacke and siltstone
 - 4a4 Black shale and graphitic shale
 - 4a5 Mafic volcanic, mostly massive, locally pillowed and brecciated with magnetic jasper fragments
 - 4a6 Limestone
 - 4a7 Sericite and/or chlorite schist
- Silurian and older**
- 3 Rose Blanche phase (Silurian)
 - Schistose to gneissic granitoid including tonalite, granodiorite and minor granite containing biotite and subordinate muscovite. Locally pegmatitic. Containing many country rock screens.
 - 2 Port aux Basques Gneiss (Ordovician and older): 2I Grand Bay Complex (GBC), 2II Port aux Basques Complex (PBC)
 - Mainly semi-pelitic and pelitic schists, psammite and quartzo-feldspathic gneiss and mylonite, with minor amphibolite and pegmatitic intrusions
 - 2a Semi-pelitic schist, mostly biotite-muscovite schist, locally gneissic, minor amphibolite and pegmatitic intrusions
 - 2b Pelitic to semi-pelitic schist, psammite and phyllonite
 - 2c Granitic gneiss
 - 2d Quartzo-feldspathic gneiss, commonly mylonitic, includes muscovite-sericite schist
 - 2e Amphibolite and retrograde chlorite schist
 - 2f Chlorite and chlorite-sericite schist
- Ordovician**
- 1 Cape Ray Igneous Complex (CRIC)
 - Tonalite and other granitoid rocks with gabbroic enclaves

SYMBOLS

- a) Geological boundary
b) defined, b) interpreted
- High-strain contact
- High-angle thrust fault
- Interpreted thrust fault
- Transitional boundary
- Strike-slip fault
- Fault
- outcrop visited
- trench
- mineral showing
- carbonate alteration zone
- geochronological sampling, sample location, age and geochronological method used
- bedding (WPG)
- S₁₋₂ fabric (GBC)
- S_{3a} fabric
- WPG b) CRIC
- S_{3b} fabric
- a) GBC, b) WPG
- mylonitic foliation (S₄)
- crenulation cleavage (S₅-S_{5'})
- stretching lineation, measured on foliation surface
- mineral lineation, measured on foliation surface
- intersection lineation, measured on foliation surface
- crenulation lineation, measured on foliation surface
- shear with displacement a) unknown b) dextral, c) sinistral, d) reverse, e) normal
- fault with displacement a) unknown b) dextral, c) sinistral.
- striations on fault surface
- minor fold with axial plane a) S-shaped b) Z-shaped and c) M shaped
- minor fold with axial plane and fold axis a) S-shaped b) Z-shaped and c) M-shaped
- axial plane surface a) without and b) with fold axis
- kink bands a) dextral b) sinistral c) and plunge
- Vein
- SC mylonitic fabric a) dextral, b) sinistral, c) reverse
- shearbands a) dextral, b) sinistral, c) reverse
- Abbreviations:**
- | | |
|-----|--------------------|
| And | andalusite |
| ank | ankerite |
| Bt | biotite |
| Ct | calcite |
| Cp | chalcopryrite |
| Chl | chlorite |
| Ep | epidote |
| Fl | fluorite |
| Gn | galena |
| Gr | garnet |
| Gp | graphite |
| Au | gold |
| Hem | hematite |
| Hb | hornblende |
| ja | jasper |
| ICb | Iron carbonate |
| Mag | magnetite |
| Mu | muscovite |
| Py | pyrite |
| P | retrograded |
| PR | partly retrograded |

Compiled from:

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