The southern domain is mainly underlain by a unit of recrystallized and foliated, K-feldspar-bearing granitic rocks (P qtz). Units M qmm and M kpg have igneous crystallization ages of 1500 ±4 Ma and 1493 ±3 Ma, respectively. The medium- to coarse-grained granite (M grn) unit consists of pink-weathering biotite granite, locally porphyritic, or pink-weathering granitoid orthogneiss, and meta-granitoid rocks. The unit is interpreted to be the oldest in the southern domain and may be equivalent to pre-Labradorian orthogneiss occurring elsewhere in the MMT (e.g., Krogh, 1996, and references therein).

The Mealy Mountains Intrusive Suite rocks are variably recrystallized and deformed, although, in general, the rocks are white to grey-white in hand specimen with pink weathering. Metasedimentary rocks (P qtz) are common in the western parts of Unit P ggn. Rocks have a fine- to medium-grained texture and are commonly foliated. Possible metamorphosed mafic volcanic rocks (P qtz mvol) are also present and are variably altered and deformed. The Mealy Mountains suite is thought to have a Grenvillian age, although the age is uncertain.

In the northeastern area, the MMIS includes a pluton consisting of pyroxene-bearing monzonite and syenite. Contacts of the pluton are unexposed and age relationships with surrounding units are uncertain. Pyroxene-bearing monzonite and syenite, identical to Unit P mzt, make up a significant portion of the MMIS. Outcrops of fresh, undeformed Unit M gbr gabbro at Fourmont Lake (UTM 679881E, 5771505N) are also present. The medium- to coarse-grained granite (M grn) unit consists of pink-weathering biotite granite, locally porphyritic, or pink-weathering granitoid orthogneiss, and meta-granitoid rocks. The unit is interpreted to be the oldest in the southern domain and may be equivalent to pre-Labradorian orthogneiss occurring elsewhere in the MMT (e.g., Krogh, 1996, and references therein).

Figure 1. On this map, structural and outcrop data are plotted in the position

... [Image 1902x1798 to 1992x1888]...