

**CHAPTER 3
MAHONE BAY AREA**

Windsor Group rocks in the vicinity of Mahone Bay and St. Margaret's Bay (Figs. 1-4, 1-10 and 3-1) were mapped by Sage (1954) and Giles (1982). In this area the Windsor Group was described as directly overlying pre-Carboniferous basement (granite). Evaporite rocks including gypsum and anhydrite were not reported in outcrop although possible indications of their presence was locally indicated by sinkholes. Boulders of limestone bearing *Gigantoproductus* and a variety of colonial rugose corals were reported from several

localities and were considered to be part of the E Subzone. Moore and Austin (1979) and Boehner (1977b) considered these to be correlative with the C Subzone, Herbert River Limestone Member. Giles (1982) studied the Windsor Group rocks in the area and reassigned and correlated with parts of the Shubenacadie-Musquodoboit Basin stratigraphy. Units correlative with the Gays River, Carrolls Corner and Meaghers Grant Formations were recognized; however, the presence of salt was considered to be improbable. Based upon this work and the absence of Bouguer gravity lows, the Mahone Bay area is believed to have little potential for salt exploration.

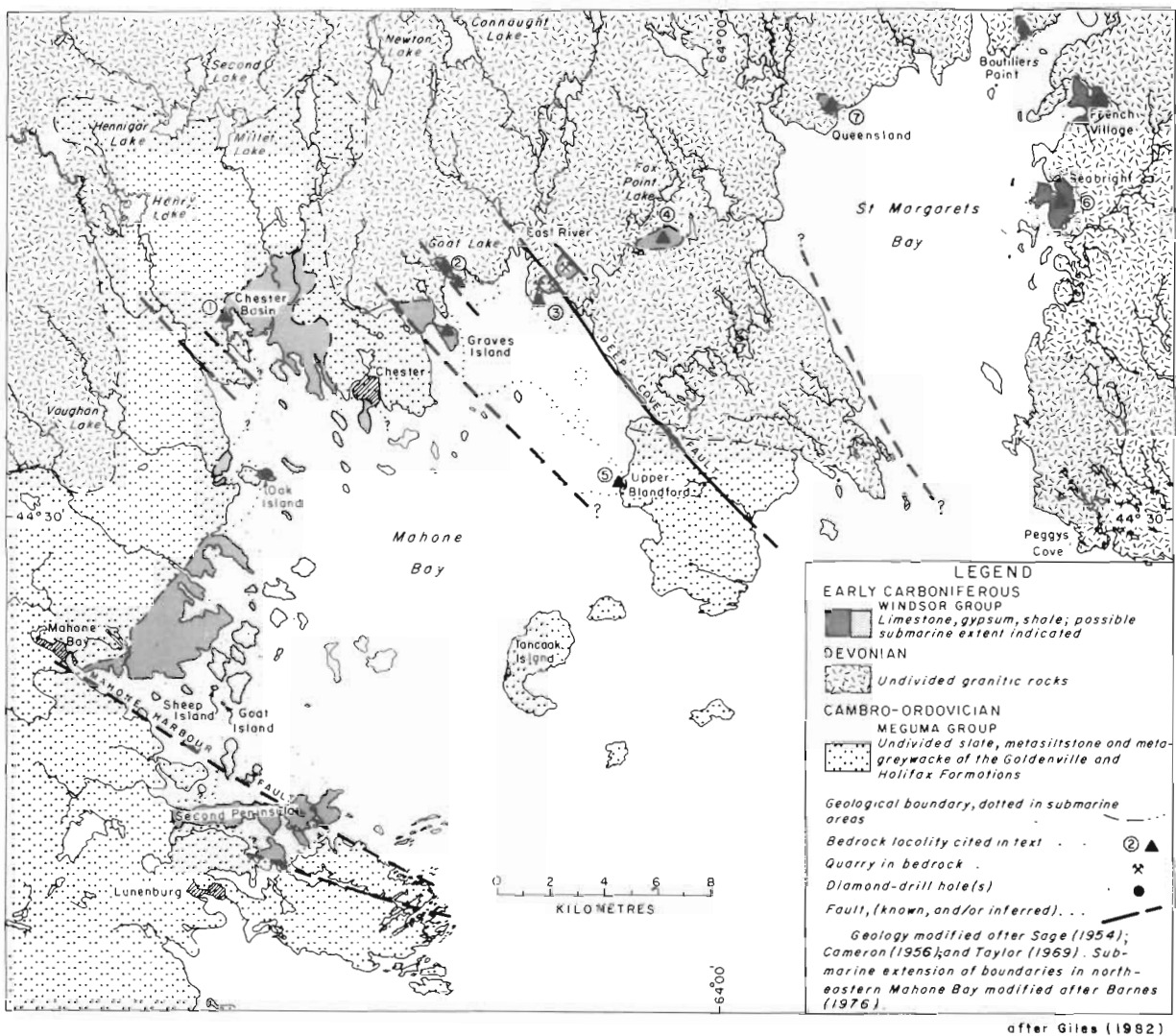


Figure 3-1. Geology of the Mahone Bay area.

