CHAPTER III

GUYSBOROUGH COUNTY

General Geology

The only limestone found in Guysborough County is found in a thin band of Windsor which strikes in a NW-SE direction along or near the shores of the Strait of Canso. The thin bands can be found outcropping intermittently over a distonce of 8 miles, from just north of Mulgrave southeost to Melford along the road to Canso.

Celestite ond barite hove been found ossociated with the Horton-Windsor contact in this band of Windsor.

This Windsor band consists essentiolly of an A Subzone laminated limestone throughout the whole length of this Windsor band.

MULGRAVE AREA

MULGRAVE (1-1)

This occurrence is locoted 3 miles southeast of Mulgrove along the rood from Mulgrave to Canso. The limestone outcrops along the side of the road, along the shore of the Stroit of Canso and on the north side of a small brook which enters the Strait of Canso across the woter from Wright Point on the Cope Breton side. At this point the Horton rocks underlie the Windsor limestone. (See Figure 4, page 13)

Description

It is a dark bluish grey, hard, dense, laminated, A Subzone Windsor limestone. The bedding is well developed with numerous small folds and crenulations. The weathered surface is greyish blue and smooth. There are numerous calcite veins and stringers throughout. These veins run up to one foot in thickness and have no particular orientation. In some parts of the limestone the beds are broken and brecciated. The limestone is underloin by a Horton conglomerate with numerous quartz veins throughout. The Canso is overlying the Windsor band and this is faulted off with Horton again, to the north.

It strikes east-west and dips 40° N. However, the strike and dip vary greotly because of the folding and slumping.

The limestone is 30 feet thick with very little overburden. The surrounding area is heavily wooded and very hilly away from the coast.

The following analysis was taken as a 30 foot channel sample.

Analysis

Sample	L.O.I.(%)	SiO_2(%)	R_2O_3(%)	CaO(%)	MgO(%)
Mg-1-1	38.01	9.95	2.38	47.05	0.60