CANADA
DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

GEOLOGICAL SURVEY OF CANADA

L E G E N D

QUATERNARY

PLEISTOCENE — RECENT

CHAMPLAIN SEA DEPOSITS

1 — GLACIAL DEPOSITS (1-2)
Clay till

2 — Water-worked till: clay till with a large proportion of the finer material washed away; superficial deposit, mainly sand and gravel

3 — GLACIO-FLUVIAL DEPOSITS
Kame; predominantly sand, some gravel

5 — MARINE DEPOSITS
4. Clay; may include some freshwater deposits
5. Silt and sand; may include some freshwater deposits

6 — MARINE OFFSHORE BAR DEPOSITS
Sand and gravel

7 — MARINE BEACH DEPOSITS
Sand and gravel; may include some freshwater deposits

8 — ALLUVIAL DEPOSITS
Clay, silt, sand, and gravel; predominantly sand on the terraces along the St. Lawrence River

9 — AEOLIAN DEPOSITS
Dune sand

10, 11 — SWAMP DEPOSITS
10. Peat
11. Muck

Palaeozoic bedrock outcrop

Precambrian bedrock outcrop

Area with bedrock occurring approximately 10 feet or less from surface, includes small isolated outcrops too small to be plotted

Boulders: accumulation, the frequency of "a"s indicates the relative number of boulders present on surface

Emerged marine shoreline

Former river bluff

Glacial striae

Gravel pit

Sand pit

Quarry

Geology by E. B. Owen, 1949

PUBLISHED, 1951

PRELIMINARY MAP 51-12 A

PLEISTOCENE GEOLOGY OF
CORNWALL-CARDINAL AREA

GRENVILLE, DUNDAS AND STORMONT COUNTIES

ONTARIO

Scale: One Inch to One Mile = $\frac{1}{63,360}$

Miles

1 ¾ ½ ¼ 0 1 2 3 4 5

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