

LEGEND

PLEISTOCENE AND RECENT
POST-WISCONSIN

7 Flood plain deposits: sand, silt; minor gravel; includes fluvial deposits in abandoned channels, river terraces, and modern flood plains

6 Bog deposits: brown to black, humified or partly humified organic debris

5 Post-Cochrane deposits: varved silt and clay.
Mapped only where observed, full extent not indicated

WISCONSIN

4 Cochrane basal and ablation till: bluish grey clay till oxidizing to dark reddish brown, and tan-brown silty till

3 Barlow-Ojibway deposits: varved clay and silt.
Exposed only in sections; selected exposures shown

2 Glacio-fluvial deposits: gravel and sand; in part overlain by Cochrane till

1 Substratified drift: poorly sorted glacial debris; largely overlain by Cochrane till

A Bedrock: undifferentiated igneous, metamorphic, and volcanic rocks

Geological boundary (defined, approximate, assumed)
Glacial striae
Glacial lineations; includes fluting on surface of Cochrane till, elongated drumlins, and crag-and-tail structures
Small outcrops of bedrock
Gravel or sand pit GP
Rock quarry RQ

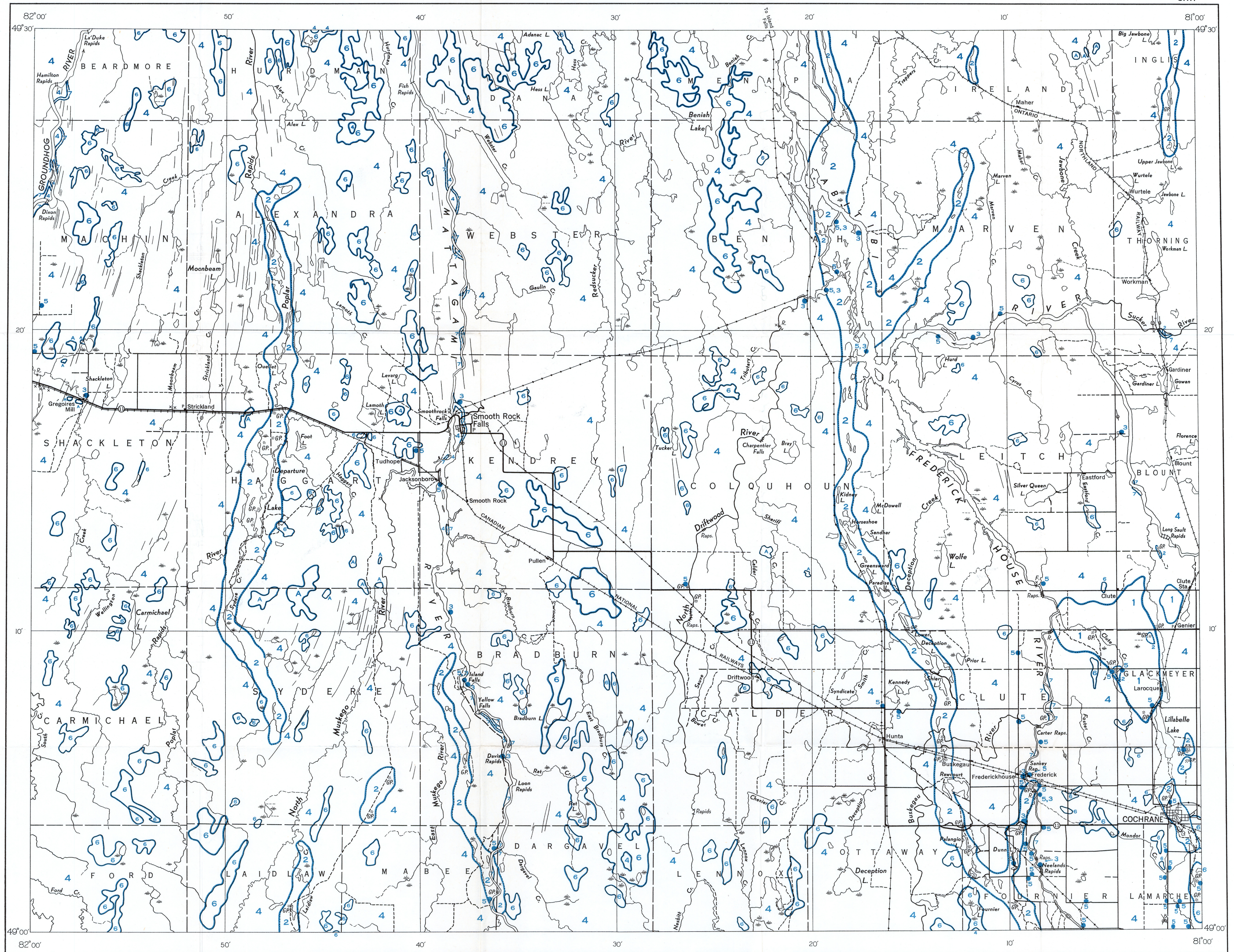
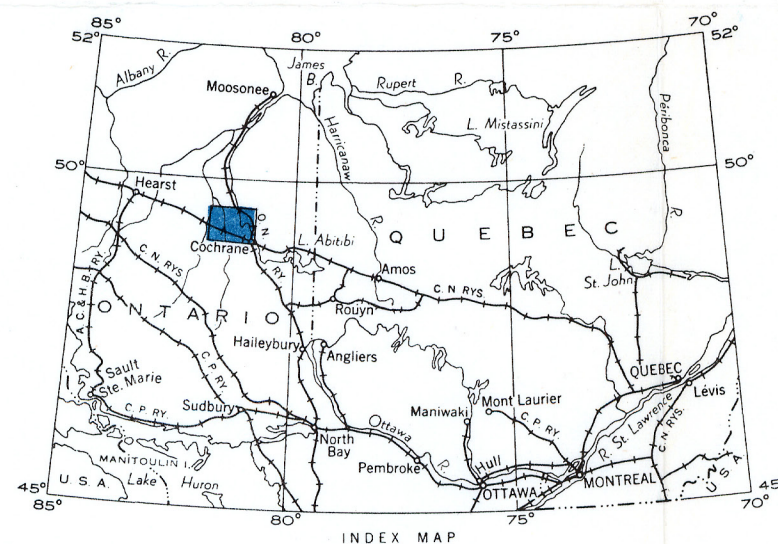
Geology by O. L. Hughes, 1954

Main highway
Other roads
Trail
Abandoned railway
Electric power line
Post Office P
Township boundary
Intermittent stream
Fall and rapid
Marsh M

Approximate magnetic declination, 9° 34' West

Cartography by the Geological Cartography Unit, 1956

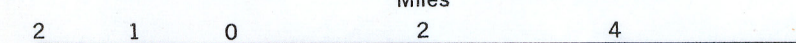
Air photographs covering this map-area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario



PRELIMINARY MAP 55-41
SURFICIAL GEOLOGY

SMOOTH ROCK
COCHRANE DISTRICT
ONTARIO

Scale: One Inch to Two Miles = $\frac{1}{126,720}$
Miles



PRELIMINARY MAP 55-41
SURFICIAL GEOLOGY
SMOOTH ROCK
ONTARIO
SHEET 42 ^H_{S.W.}

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