

LEGEND

PLEISTOCENE AND RECENT

10 Mixed materials; bedrock; confined to valleys  
trenched below lake plains

NONGLACIAL DEPOSITS

9 Muck and peat

8 Alluvium

7 Dune sand

GLACIO-LACUSTRINE AND SLACKWATER DEPOSITS

6 Clay: more than 17 inches thick

5 Silt

4 Sand

GLACIO-FLUVIAL DEPOSITS

3 Sand and gravel: kame, outwash

GLACIAL DEPOSITS

Veneer of clay: 0 to 16 inches thick

2 Till: ground moraine

Veneer of silt: commonly 6 to 18 inches thick; absent in places; waterlain or aeolian; where both present upper layer aeolian

Veneer of sand and gravel: 0 to 24 inches thick; commonly derived from unit 3; absent on knolls; a few small sandy ridges

1 Till; minor stratified materials: terminal moraine

- Till mound areas; (includes minor silt)
- Drift grooves; ridges
- Eskers
- Spillways
- Raised shoreline (beach, bar, bluff)

Geology by E.P. Henderson, 1950, 1951, and 1952

To accompany G.S.C. Memoir 303 by E.P. Henderson

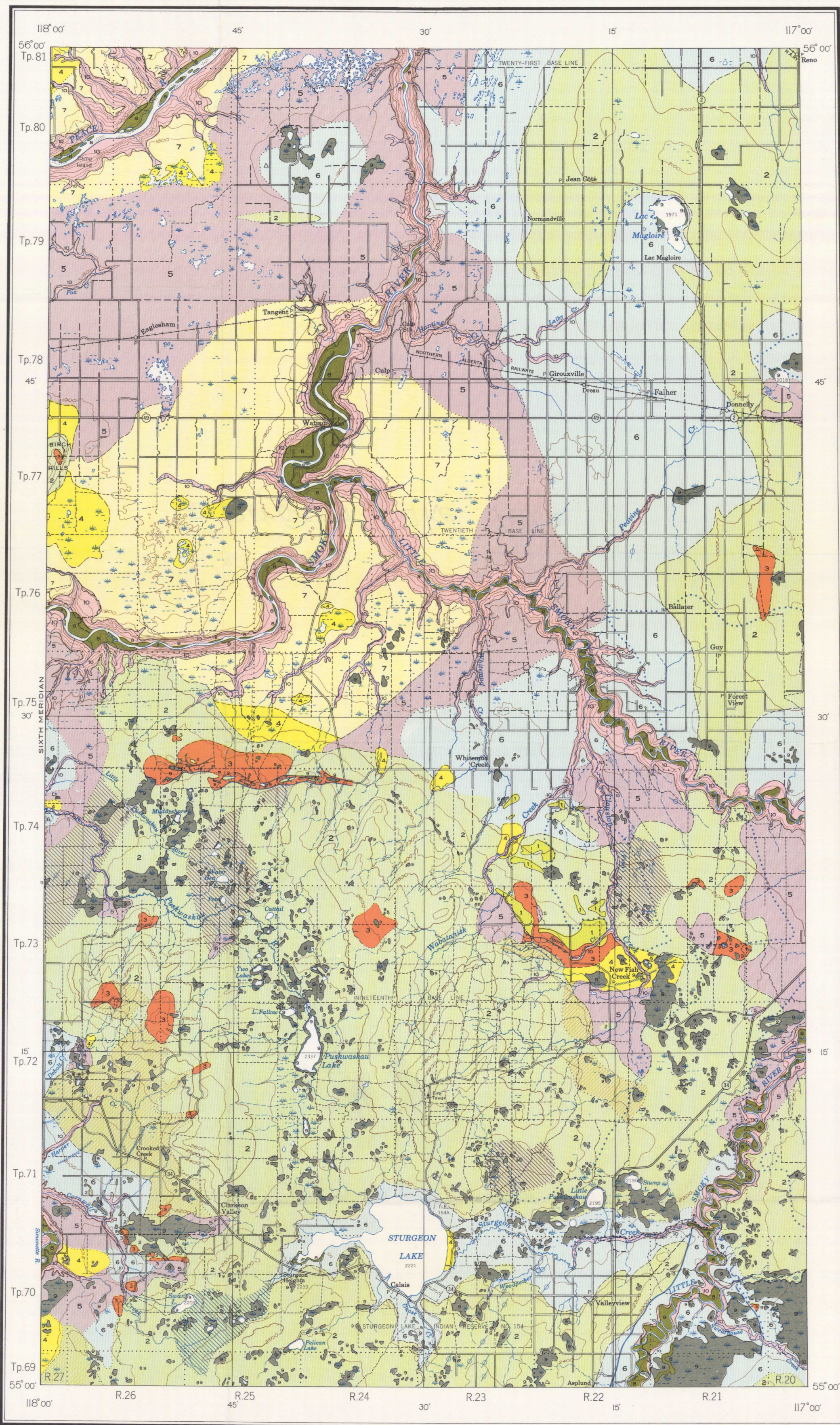
- Main road with route number
- Other roads
- Cart track
- Trail
- Power transmission line
- Post Office
- Horizontal control point
- Township boundary
- Indian Reserve boundary
- Intermittent lake or stream
- Marsh
- Sand or gravel
- Contours (interval 100 feet)
- Height in feet above mean sea-level

Base-map compiled from information supplied by the Surveys and Mapping Branch, and the Department of National Defence

Cartography by the Geological Survey of Canada, 1960

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

Approximate magnetic declination, 26° 47' East



PUBLISHED, 1960

PRINTED BY THE SURVEYS AND MAPPING BRANCH

MAP 1077A

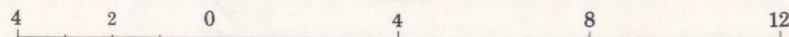
SURFICIAL GEOLOGY

STURGEON LAKE

WEST OF FIFTH MERIDIAN

ALBERTA

Scale: One Inch to Four Miles =  $\frac{1}{253,440}$  Miles



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OCT 26 1960

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1077A

5.1.1 A, Geol.

Map 1077A sheet 83N (W 1/2)