



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

Adjoins Map 18-1963, "Ekwon River"

SHEET 42

LEGEND

Weighted legend blocks indicate map-units that appear on this map

SEDIMENTARY AND VOLCANIC ROCKS

12 Sedimentary rocks undivided

11 Undifferentiated 9 and 10

10 Mainly volcanic and derived metamorphic rocks

9 Mainly sedimentary and derived metamorphic rocks

7 Undifferentiated 5 and 6

6 Volcanic and derived metamorphic rocks, mostly andesite, basalt, dacite, and pyroclastic rocks; minor sediments and intrusions

5 Sedimentary and derived metamorphic rocks, mostly greywacke, slate, and argillite; minor lava and pyroclastics

8 Undivided 1 to 10, granite and granitoid rocks

INTRUSIVE ROCKS
(Relative age uncertain)

4 Alkaline ring complexes and intrusions

3 Basic intrusions, gabbro, diabase, diorite; may include undifferentiated ultrabasic rocks

2 Peridotite, dunite, serpentinite; may include minor amounts of 1 and 3

1A Anorthositic rocks

Geological boundary

Small isolated occurrence

IRON DEPOSITS

IRON FORMATIONS

Cherty iron-formation and derived metamorphic equivalents; granular or oolitic texture; associated with Proterozoic volcanic and sedimentary rocks; deposited in shallow restricted basins or in a continental shelf environment; sedimentary facies not distinguished

Cherty iron-formation and derived metamorphic equivalents, mostly banded magnetite and hematite (jasper beds directly associated with Archaean volcanic and sedimentary rocks; sedimentary facies not distinguished)

Iron-formation of uncertain location or extent, or inferred from magnetic data

Iron-formations selected for production of iron ore produced by concentration and beneficiation of quartz-magnetite and siderite-pyrite beds

Hematite and goethite ores forming stratigraphic units (Steep Rock Range)

DEPOSITS ASSOCIATED WITH PLUTONIC ROCKS AND REPLACEMENT MASSES

Magnetite in skarn or contact metasomatic zones, or disseminated in schist or shear zones

Magnetite in alkaline, basic and ultrabasic rocks

Magnetite and titaniferous iron deposits in basic, ultrabasic, and anorthositic rocks

Ilmenite and Titanium rich magnetite deposits

OTHER TYPES OF IRON DEPOSITS

Veins and open space fillings

Iron-rich sand and gravel; placer deposits

Bog iron

Unclassified deposits

Iron recovered as a byproduct from treatment of other ores

Geology compiled by G. A. Gross, 1963

Geology generalized from the following sources: Publications of the Geological Survey of Canada and the Department of Mines, Ontario. Records of assessment work and files of the provincial Department of Mines. Field investigations and personal communications from mining and exploration companies.

Roads

Other roads

Railway

Abandoned railway

Trading post

Mine

Lookout tower

International boundary

Interprovincial boundary

Intermittent lake

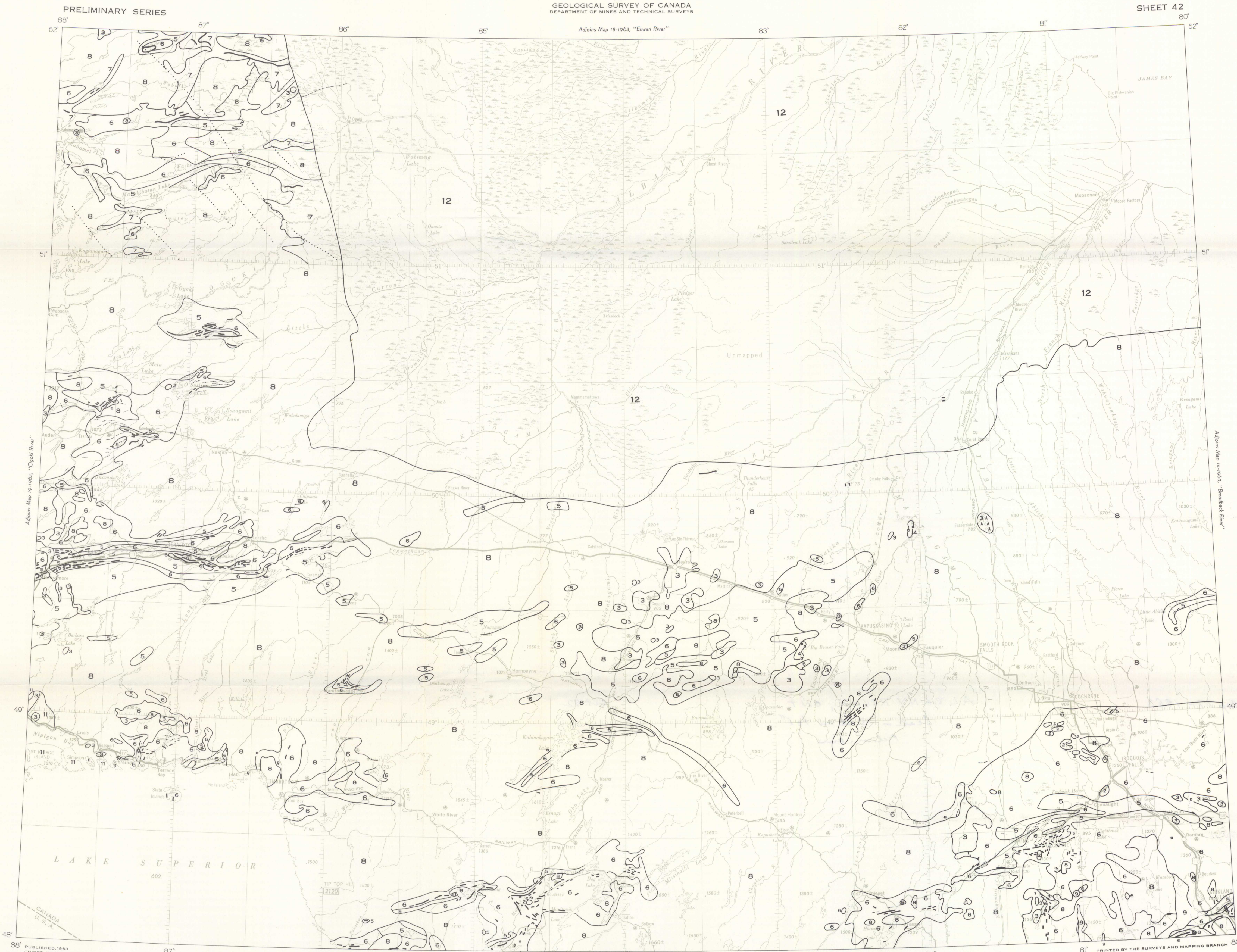
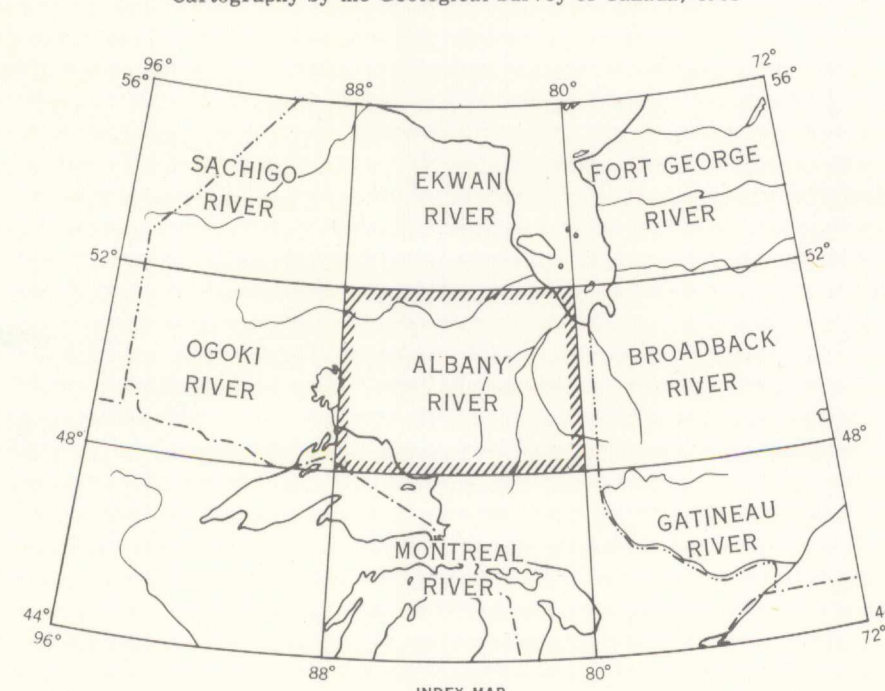
Marsh or swamp

Contours

Height in feet above mean sea-level

Base-map by the Surveys and Mapping Branch

Cartography by the Geological Survey of Canada, 1963



MAP 17-1963
DISTRIBUTION OF IRON DEPOSITS
ALBANY RIVER
SUPERIOR STRUCTURAL PROVINCE
ONTARIO

Scale: One Inch to 15.78 Miles = 1/1,000,000
Miles 10 0 10 20 30 40 50

OCT - 3 1963

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MAP 17-1963
ALBANY RIVER
ONTARIO
SHEET 42

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