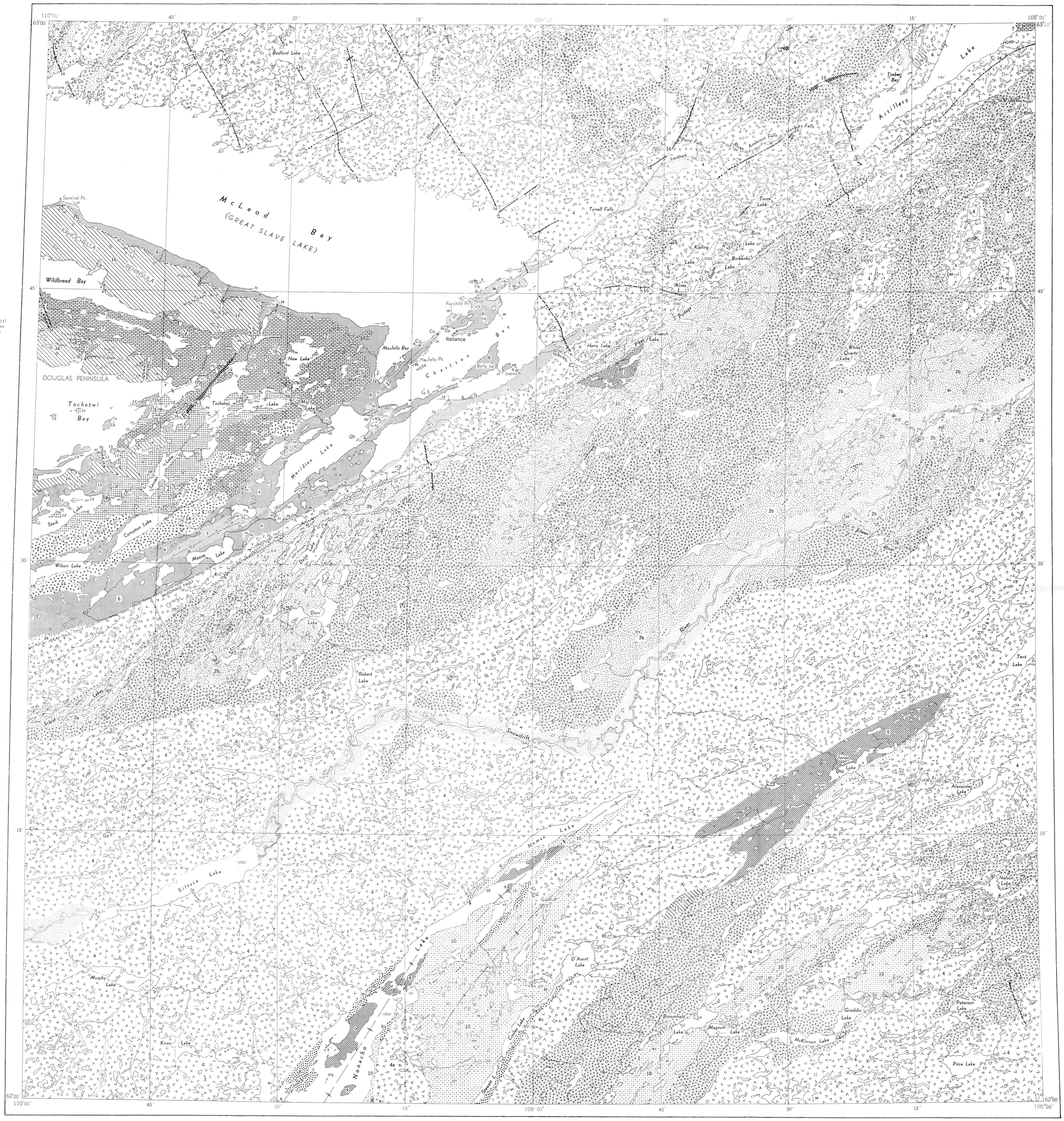
CANADA
DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

GEOLOGICAL SURVEY OF CANADA



LEGEND

PROTEROZOIC

- **16** — *Diabase, gabbro; minor diorite and hornblendite*
- **15** — ET-THEN GROUP (15) — *MURKY FORMATION: conglomerate*
- **14** — *Hornblende granodiorite*
- **13** — GREAT SLAVE GROUP (Upper part) (12, 13) — *TOCHATWI FORMATION: shale, argillite, sandstone*
- **12** — *STARK FORMATION: dolomite, limestone, breccia, shale*
- **7** — GREAT SLAVE GROUP (Lower part) (5-7) — *PETHEI FORMATION: limestone and dolomite, in part argillaceous*
- **6** — *KAHOCHELLA FORMATION: shale, slate, argillite, arkose, limestone*
- **5** — *SOSAN FORMATION: sandstone quartzite, grit, conglomerate*

NONACHO GROUP (8-11) — *Greenstone; schists and gneisses probably of volcanic origin; age relations uncertain*

- **11** — *Greenstone; schists and gneisses probably of volcanic origin; age relations uncertain*
- **10** — *Arkose, quartzite; some slate, greywacke, and conglomerate*
- **9** — *Slate, greywacke; some arkose and quartzite*
- **8** — *Conglomerate; some arkose and quartzite*

ARCHÆAN

- **4** — *Granite, granodiorite, and allied rocks, in part gneissic and impure and gradational into 3; in part probably of Proterozoic age:* **4a**, *younger than Nonacho group;* **4b**, *granitic mylonites;* **4c**, *older than Nonacho group;* **4d**, *muscovite granite and pegmatite*
- **3** — *Gneissic complex: undifferentiated gneisses including impure and gneissic granitic rocks; mixed gneisses (migmatite-) containing 25 to 75 per cent sedimentary and volcanic schists and gneisses in granitic material; granitized paragneiss; mylonites. Gradational into 2 and 4*
- **2a, 2b** — YELLOWKNIFE GROUP (1, 2) — **2a**, *quartzite, grit, arkose, greywacke, chlorite schist; minor crystalline limestone;* **2b**, *paragneiss, quartzite; some knotted quartz-biotite schist and hornfels*
- **1** — *Dacite, quartz basalt*

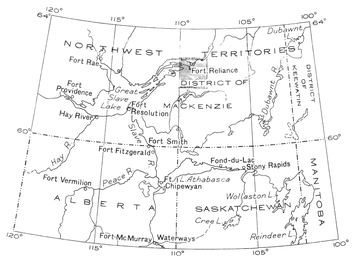
Bedding (inclined, vertical, overturned)
Bedding (direction of dip known, upper side of bed unknown)
Schistosity, gneissosity (inclined, vertical, direction of dip unknown)
Fault (defined, approximate)
Anticline (position approximate)
Syncline (position approximate)
Glacial striæ
Drift ridge
Esker, sand ridge
Area of abundant sand
Mineral prospect or occurrence × Cu

SYMBOLS FOR METALS

Copper . . . . Cu
Graphite C
Galena . . . . Ga

Geology by C. H. Stockwell, 1929, 1930, 1931; J. F. Henderson, 1936; I. C. Brown, 1949; and G. M. Wright, 1950

Base-map by Topographical Survey 1938
Geographic names subject to revision
Approximate magnetic declination, 32° 25′ East



INDEX MAP

PRELIMINARY MAP 51-26A

RELIANCE

DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES

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

Miles 2 1 0 2 4 6 8 10

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