GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

SHEET 2D (East Half)

LEGEND

Note: Map-units 2, 3A, 4, 5, 6, 7, and 11e appear on Map 1130A, "Bonavista" only

PALÆOZOIC

DEVONIAN

11 — *Granitic rocks;* **11a**, *Ackley batholith;* **11b**, *Northern Bight granite facies;* **11c**, *gneissic granite (chiefly granitized Love Cove schists);* **11d**, *leucogranite;* **11e**, *riebeckite granite*

ORDOVICIAN (?)

10 — *Ultrabasic rocks;* **10a**, *pyroxenite;* **10b**, *serpentinite*

9 — *Diorite and gabbro; may be in part older than 5*

ORDOVICIAN
MIDDLE ORDOVICIAN
GANDER LAKE GROUP

8 — **8C.** *UPPER UNIT: shale, minor siltstone and greywacke*
8B. *MIDDLE UNIT: pebbly greywacke, black slate, calcareous siltstone, tuff, basic lavas;* **8Ba**, *contact metamorphosed equivalents of 8B south of Gander Lake, including spotted mica schists and amphibolite*
8A. *LOWER UNIT: greywacke and argillaceous sandstone regionally metamorphosed to chloritic rocks;* **8Aa**, *contact metamorphosed equivalents of 8A;* **8Ab**, *mica-quartz paragneiss and mica schist, east of biotite isograd;* **8Ac**, *granitized equivalents of 8Ab*

CAMBRIAN AND ORDOVICIAN
MIDDLE AND UPPER CAMBRIAN AND LOWER ORDOVICIAN
HARCOURT GROUP

7 — *Grey to black shale or slate, and siltstone; minor black limestone*

CAMBRIAN
LOWER AND MIDDLE CAMBRIAN
ADEYTON GROUP

6 — *Red, green, and purple shale and slate; minor grey, pink, and green limestone, and limy nodules, some grey shales or slates in upper part; thin white calcareous sandstone at base*

5 — *RANDOM FORMATION: white, greenish grey, and pink quartzite, and sandstone; grey shale and silty shale*

PRECAMBRIAN

3 — MUSGRAVETOWN GROUP
3. *Undivided, red, green and grey pebble conglomerate, sandstone, and shale; some lava and tuff;* **3a**, *contact metamorphosed equivalents of 3 on Pitts Pond*
3D. *CROWN HILL FORMATION: red pebble conglomerate, sandstone*
3C. *ROCKY HARBOUR FORMATION: yellowish green, crossbedded lithic sandstone*
3B. *BULL ARM FORMATION: acidic and basic lavas, and pyroclastic rocks; some interbedded sediments*
3A. *CANNINGS COVE FORMATION: red and green conglomerate, and sandstone*

4 — HODGEWATER GROUP
4C. *SNOWS POND FORMATION: green to grey, wavy-bedded siltstone and silty slate; minor red beds*
4B. *WHITEWAY FORMATION: red, pink, and grey sandstone and shale; red sandstone and conglomerate near Bay de Verde*
4A. *HALLS TOWN FORMATION: green to grey sandstone, siltstone, and silty slate*

2 — CONNECTING POINT GROUP
Green to black greywacke, cherty quartzite, slate; some sandstone and conglomerate; red cherty quartzites in Random Sound and red siltstones in Southern Bay; **2a**, *tuffaceous sediments;* **2b**, *acidic to basic lavas*

1 — LOVE COVE GROUP
Chlorite and sericite schists; metamorphosed basic to acidic volcanic rocks, sandstones, and conglomerates; **1a**, *metavolcanic rocks with minor interbedded metasediments;* **1b**, *metasediments with minor interbedded metavolcanic rocks;* **1c**, *feldspathized and/or granitized equivalents of 1*

Bedding (horizontal, inclined, vertical, overturned)
Schistosity, gneissosity, cleavage (inclined, vertical)
Fault (defined, approximate, assumed)
Anticline (arrow indicates direction of plunge)
Syncline
Mineral isograd
Trend of complexly folded bed (direction of plunge known)
Fossil locality — F
Glacial striæ or groove
Esker
Quarry
Mineral occurrence (asbestos, asb; *copper,* Cu; *lead,* Pb; *pyrrhotite,* po; *talc,* t; *zinc,* Zn*)* — × Cu

Geology by S. E. Jenness, 1955–1957

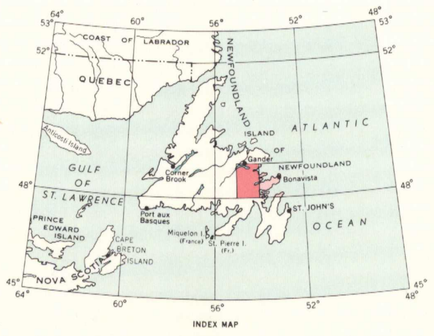
To accompany G. S. C. Memoir 327 by S. E. Jenness

Cartography by the Geological Survey of Canada, 1962

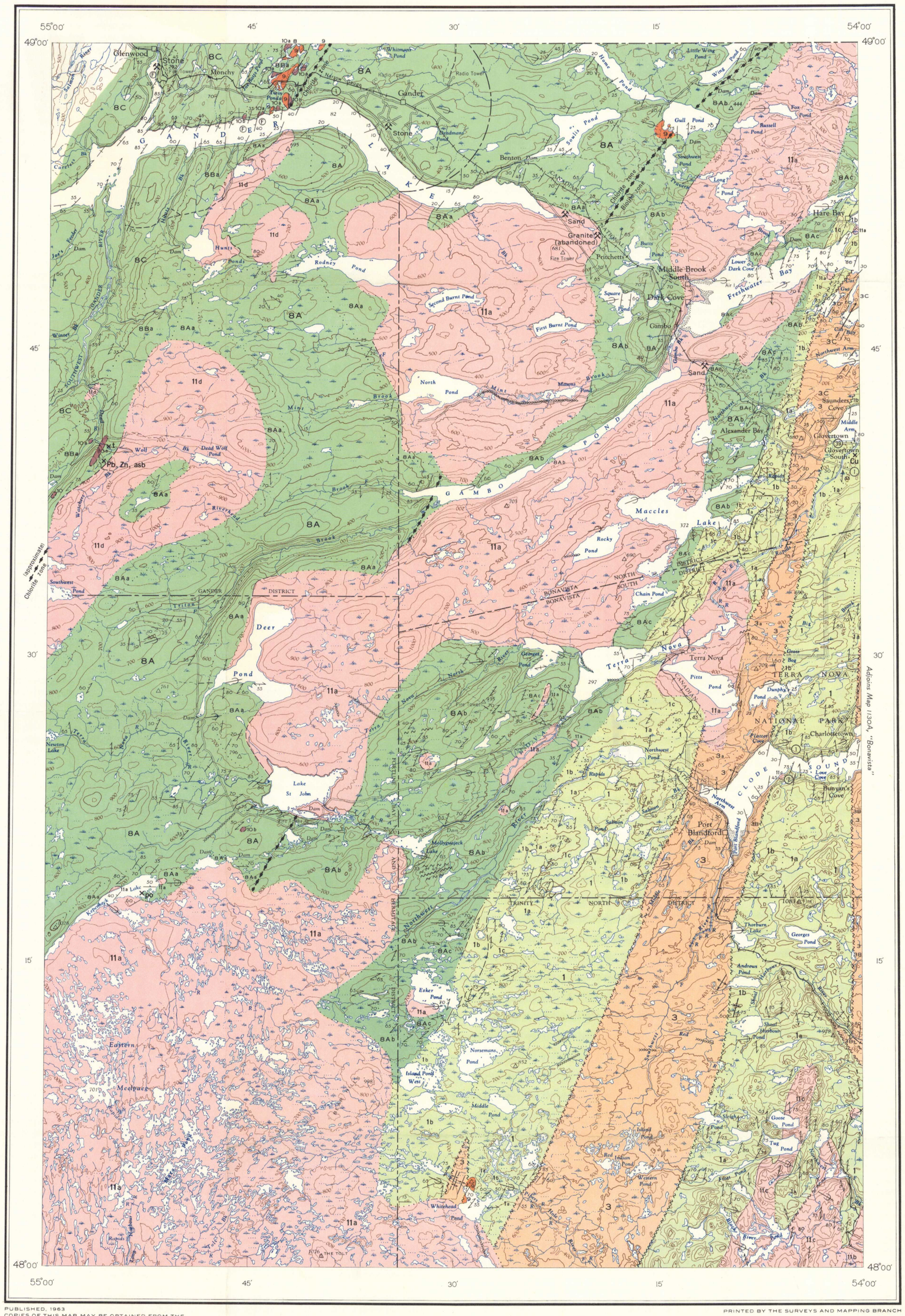
Main highway
Other roads
Cart track
Trail or portage
Lighthouse
Horizontal control point
District boundary
Park boundary
Intermittent stream
Falls and rapids
Marsh
Contours (interval 100 feet) — 600, 500
Height in feet above mean sea-level — 701

Base-map prepared by the Surveys and Mapping Branch, 1960

Mean magnetic declination, 28° 57′ West, decreasing 2.7′ annually. Readings vary from 28° 19′ in the SW corner to 29° 36′ in the NE corner of the map-area



INDEX MAP



PUBLISHED, 1963
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MAP 1129A

GEOLOGY

TERRA NOVA

(Gander Lake, East Half)

NEWFOUNDLAND

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

Miles 4 2 0 4 8 12

JUN - 5 1963

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