LEGEND

CENOZOIC

TERTIARY

- **39** — *Clay, lignite*
- **38** — *Rhyolite, rhyolite tuff and breccia*

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND PALEOCENE

- **37** — *Conglomerate, sandstone, shale*

MESOZOIC

CRETACEOUS
UPPER CRETACEOUS

- **35,36** — **35.** *WAPITI GROUP: sandstone, grit, shale*; **36.** *Sandstone, shale, thin coal seams*
- **33,34** — **33.** *SMOKY GROUP: mainly marine shales and sandstones*; **34.** *KOTANEELEE FORMATION: marine shale, concretions, sandstone, and pebble conglomerate*
- **31,32** — **31.** *DUNVEGAN FORMATION: sandstone, shale, grit, thin coal seams*; **32.** *FORT NELSON FORMATION: conglomerate, grit, sandstone, shale*

LOWER CRETACEOUS

- **28-30** — FORT ST. JOHN GROUP (20-30): **28.** *GOODRICH AND CRUISER FORMATIONS*; **29.** *SIKANNI FORMATION; and* **30.** *LEPINE FORMATION: marine shale and sandstone, thin pebble-conglomerate, concretions*
- **22-25** — **22.** *COMMOTION AND HASLER FORMATIONS*; **23.** *GATES AND HASLER FORMATIONS*; **24.** *BUCKINGHORSE FORMATION; and* **25.** *SCATTER FORMATION: marine sandstone and shale, rusty concretions, bentonite, some fine conglomerate and coal*
- **20,21** — **20.** *MOOSEBAR FORMATION: marine shale, rusty concretions, thin concretionary bands*; **21.** *GARBUTT FORMATION: (similar to 20)*
- **26,27** — FORT ST. JOHN GROUP (Undivided): **26.** *Sandstone and shale*; **27.** *Similar to 26, but may include older Lower Cretaceous beds*

LOWER CRETACEOUS AND (?) EARLIER

- **18,19** — BULLHEAD GROUP (15-19): **18.** *GETHING FORMATION; sandstone, shale, clay ironstone, siltstone, coal*; **19.** *Non-marine Bullhead of Carbon River basin: (similar to 18)*
- **15,16** — **15.** *DUNLEVY FORMATION: sandstone, shale, conglomerate, quartzitic sandstone, thin coal seams*; **16.** *MONTEITH, BEATTIE PEAKS, AND MONACH FORMATIONS: (similar to 15)*
- **17** — BULLHEAD GROUP (Undivided): *Mainly sandstone and shale*

JURASSIC

- **14** — FERNIE GROUP: *Dark, marine shale, impure limestone, fine sandstone*

TRIASSIC
MIDDLE AND UPPER TRIASSIC

- **13** — *'Dark siltstones', 'Grey beds', and Pardonet beds: calcareous sandstone, siltstone, shale, limestone*

LOWER AND MIDDLE TRIASSIC

- **11** — *TOAD AND LIARD FORMATIONS: calcareous sandstone, siltstone, shale; limestone*

LOWER TRIASSIC

- **10** — *GRAYLING FORMATION: grey, marine shale; sandstone lenses*

TRIASSIC

- **12** — *Includes TOAD, 'Flagstones', 'Dark siltstones', 'Grey beds', and Pardonet beds*

PALÆOZOIC

CARBONIFEROUS AND PERMIAN

- **9** — *Shale, sandstone, limy sandstone, limestone, chert*

CARBONIFEROUS
MISSISSIPPIAN

- **8** — *Limestone, shale, chert*

DEVONIAN AND CARBONIFEROUS
UPPER DEVONIAN AND MISSISSIPPIAN

- **6** — *Dark shales, argillite, sandstone, limestone; includes FORT CREEK FORMATION*

SILURIAN AND DEVONIAN
MIDDLE SILURIAN AND MIDDLE DEVONIAN

- **5** — *Limestone, interbedded sandstone, basal shale; includes RONNING and RAMPARTS FORMATIONS*

CAMBRIAN (?)

- **3,4** — **3.** *Grey sandstone, red conglomerate*; **4.** *Mainly limestone*

PALÆOZOIC (Undivided)

- **7** — *Mainly sedimentary rocks; includes MOUNT SELWYN FORMATION;* **7a**, *andesite, volcanic breccia, tuff*

PROTEROZOIC

CAMBRIAN (?) AND EARLIER
LOWER CAMBRIAN (?) AND EARLIER

- **1,2** — **1.** *Quartzite, slate, argillite; basic dykes*; **2.** *Schist, quartzite, conglomerate, gneiss*

CASSIAR INTRUSIONS

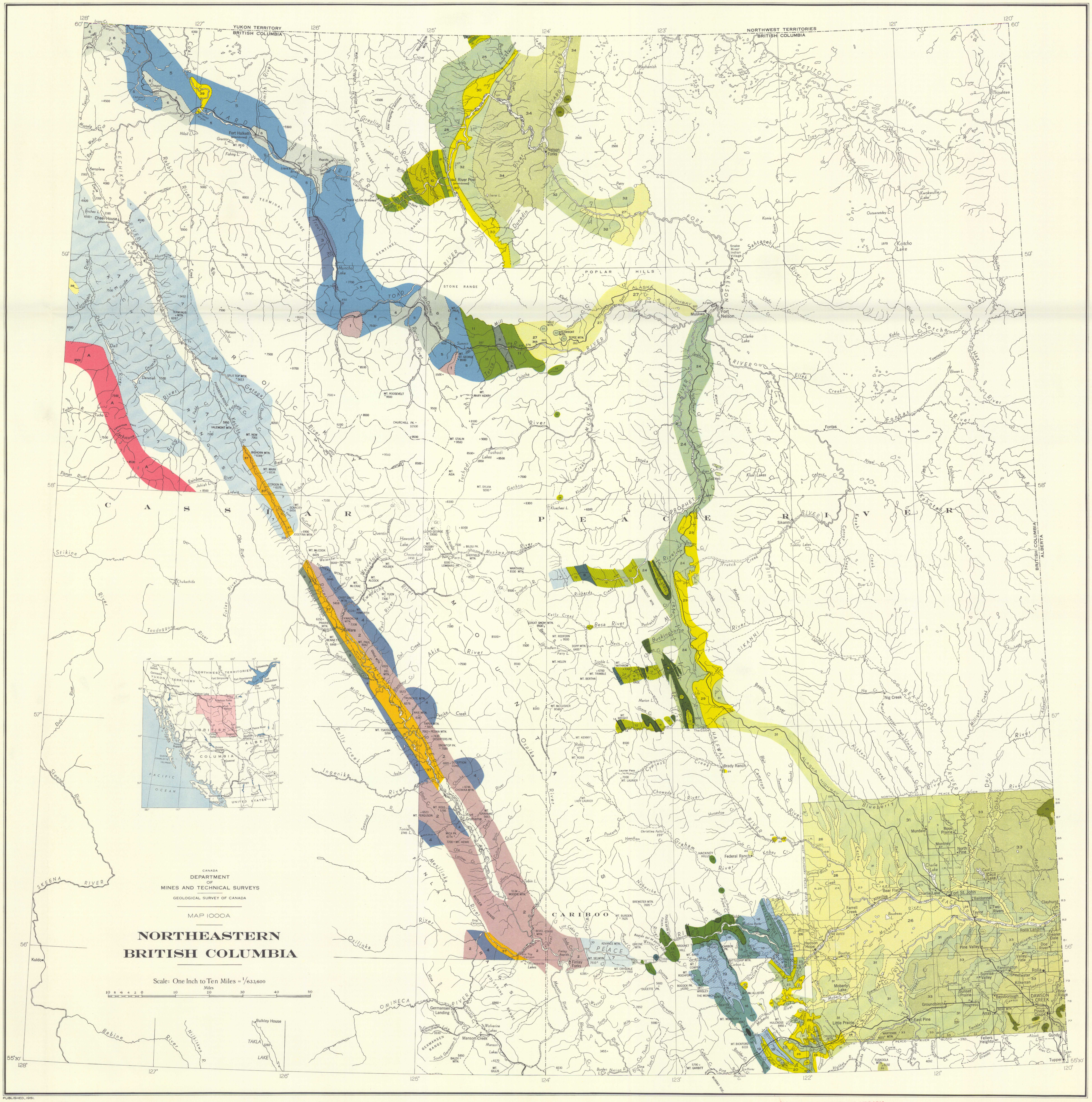
- **A** — *Granodiorite, granite, quartz diorite. Probably of Upper Jurassic or Lower Cretaceous age*

Bedding (horizontal, inclined)
Fault
Anticlinal axis
Synclinal axis
Coal mine
Bore-hole

Provincial boundary
District boundary
Township boundary, surveyed
Main highway
Secondary road
Trail
Large town
Town or village
Settlement ... with post office
Glacier
Rapids and falls
Mileage distances along Alaska highway
Height in feet above mean sea-level

Geology compiled by E.D. Kindle, 1949, from surveys by officers of the Geological Survey of Canada and from information supplied by British Columbia Department of Mines and Lands and oil companies. Cartography by the Geological Mapping Division, 1950.

Geographical names subject to revision



CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA

MAP 1000A

NORTHEASTERN BRITISH COLUMBIA

Scale: One Inch to Ten Miles = 1/633,600

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1000A

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