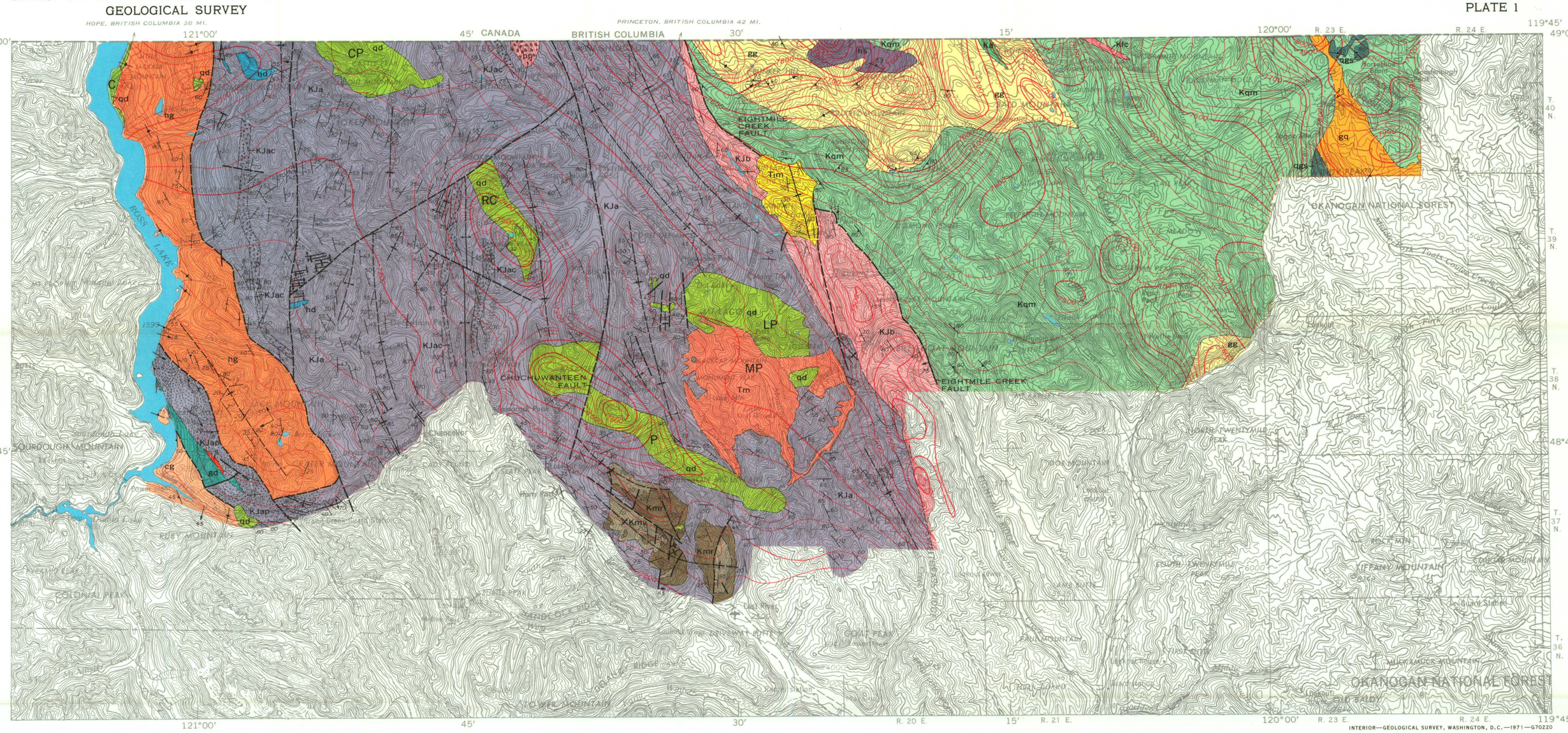
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1325
PLATE 1



Base from U.S. Geological Survey, 1: 250,000:
Concrete, 1962; Okanogan, 1958

Geology by M. H. Staatz, P. L. Weis, R. W. Tabor
and J. F. Robertson, 1965–66

EXPLANATION

ROCKS WEST OF THE EIGHTMILE CREEK FAULT

Age relations between these units and with post-Cretaceous rocks unknown

- **Tim** — Volcanics of Island Mountain — TERTIARY
- **Tm** — Granite of Monument Peak — TERTIARY
- **s** — Dunite and serpentine — CRETACEOUS AND TERTIARY
- **gd** — Granodiorite dike and sill complex — CRETACEOUS AND TERTIARY
- **hd** — Hornblende diorite — CRETACEOUS AND TERTIARY
- **qd** — Granodiorite, quartz diorite, and quartz monzonite — CRETACEOUS AND TERTIARY
- **pp** — Plagioclase porphyry — CRETACEOUS AND TERTIARY
- **Kmv / Kmr** — Midnight Peak Formation — CRETACEOUS
  - Kmv, *volcanic rock facies*
  - Kmr, *red-bed facies*
- **KJap / KJac / KJa** — Plagioclase arkose and argillite sequence — JURASSIC AND CRETACEOUS
  - KJac, *massive conglomerate*
  - KJap, *phyllite*
- **KJb** — Volcanics of Billy Goat Mountain — JURASSIC OR CRETACEOUS
- **hg** — Hozomeen Group of Cairnes (1944) — CRETACEOUS OR OLDER
- **cg** — Custer Gneiss of Mc Taggart and Thompson (1967) — PRE-CRETACEOUS

ROCKS EAST OF THE EIGHTMILE CREEK FAULT

- **Klc** — Light-colored quartz monzonite dike of Cathedral Peak area — CRETACEOUS
- **Kqm** — Quartz monzonite, granodiorite, and quartz diorite — CRETACEOUS
- **Ka** — Ashnola Gabbro — CRETACEOUS
- **gq** — Gneissic quartz diorite of the Middle Fork of Toats Coulee Creek — PRE-CRETACEOUS
- **gg** — Granodiorite gneiss complex of the Quartz Mountain area — PRE-CRETACEOUS
- **hs** — Hornblende gneisses of the Sheep Mountain area — PRE-CRETACEOUS
- **qgs** — Quartzites, gneisses, and schists of the Horseshoe Basin area — PRE-CRETACEOUS

Contact
Dashed where approximately located

65
Fault, showing dip
Dashed where approximately located

Anticline — Syncline
Folds
Showing trace of axial plane.
Dashed where approximately located

50 Inclined — Vertical — 85 Overturned
Strike and dip of beds

70 Inclined — Vertical
Strike and dip of foliation

35
Plunge of minor fold axis

7200
Magnetic contours
Showing total intensity magnetic field of the earth in gammas relative to arbitrary datum. Hachured to indicate closed areas of lower magnetic intensity. Contour intervals 20 and 100 gammas

RC
Intrusives

- C, *Chilliwack batholith*
- CP, *Castle Peak stock*
- LP, *Lost peak stock*
- RC, *Rock Creek stock*
- P, *Pasayten dike*
- MP, *Monument Peak stock*

SCALE 1:200 000

5 0 5 10 15 MILES
5 0 5 10 15 KILOMETERS

CONTOUR INTERVAL 200 FEET WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
DATUM IS MEAN SEA LEVEL

22°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1971

GEOLOGIC MAP OF THE PASAYTEN WILDERNESS AREA, WASHINGTON

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