

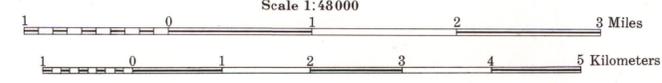
EXPLANATION

- |              |      |   |
|--------------|------|---|
|              | Tcr  | Columbia River basalt   |
|              | Tg   | Gravel<br>Cross-bedded  |
| UNCONFORMITY |      |   |
|              | d    | Dikes   |
|              |      | Quartz porphyry   |
|              | KJt  | Tonalite<br>Igneous with locally brecciated contacts  |
|              | KJto | Tonalite<br>Gneissic with gradational contacts  |
|              | KJqd | Quartz diorite<br>Gneissic with scattered large hornblende crystals   |
|              | KJg  | Gabbro<br>Coarse-grained hornblende gabbro  |
|              | KJa  | Amphibolite<br>Medium-grained schistose rock, rich in hornblende  |
|              | pCms | Mica schist<br>Coarse-grained schist with garnet and sillimanite in some layers. Locally plagioclase has replaced quartz. Hornblende-bearing layers are interbedded |
|              | pCIs | Lime silicate rock<br>Coarse-grained heterogeneous rock consisting chiefly of diopside, plagioclase, epidote minerals, scapolite, phlogopite, and grossularite      |
|              | pCd  | Diopside-plagioclase gneiss and quartzite<br>Light-green medium-grained rock with local development of hornblende   |
|              | pCbq | Biotite quartzite<br>Thin-bedded fine-grained gray quartzite with layers rich in biotite or in plagioclase  |
|              | pCq  | Quartzite<br>Medium-grained pure quartzite with biotite-bearing layers  |
|              | pCr  | Revett quartzite<br>Coarse-grained quartzite, contains some biotite   |
|              | pCbp | Burke and Prichard formations<br>Biotite schist. Interbedded quartzite layers, pCbq   |
|              |      | Sillimanite   |
|              |      | Garnet  |
|              |      | Hornblende  |
|              |      | Plagioclase grains  |
|              |      | Contact<br>Dashed where approximately located   |
|              |      | Fault, showing dip<br>Dashed where approximately located  |
|              |      | Vertical fault  |
|              |      | Plunge of minor anticline   |
|              |      | Plunge of fold axes   |
|              |      | Strike and dip of beds  |
|              |      | Strike of vertical beds   |
|              |      | Strike and dip of foliation   |
|              |      | Strike of vertical foliation  |
|              |      | Bearing and plunge of lineation   |
|              |      | Strike of vertical joint  |
|              |      | Dike, showing dip   |
|              |      | Sample locality   |

Planimetric base map compiled by Forest Service from aerial photographs, 1934-39  
General Land Office sections only approximately located

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN DECLINATION, 1961

GEOLOGIC MAP OF THE DENT AREA AND THE BIG ISLAND AREA, CLEARWATER COUNTY, IDAHO



R. 1 E. R. 2 E. R. 3 E. R. 4 E. INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. 10037  
Geology by Anna Hietanen, 1950-53

Miocene  
Upper Jurassic or Lower Cretaceous  
Belt series

JURASSIC(?) TO TERTIARY  
JURASSIC OR CRETACEOUS  
PRECAMBRIAN