

EXPLANATION

SEDIMENTARY ROCKS

Qai Modern alluvium
Qal Alluvium and associated deposits
Qc Coluvium
Qta Tertiary alluvium
Qm Marine group, undifferentiated
Ks Kootenai Formation
Eg Ellis group
Mh Hanna limestone
Du Devonian strata
Cu Cambrian strata
Mm Missoula group with lithologic subdivisions
Lg Laramide volcanic massifs
Gr Gravel and sandstone
Aa Argillaceous argillite
Al Alton limestone

IGNEOUS ROCKS

Mt Metabasalt
Dk Diorite
G Granite

GLACIAL DEPOSITS

Qgl Till
Qcl Clay, silt, and sand

TECTONIC FEATURES

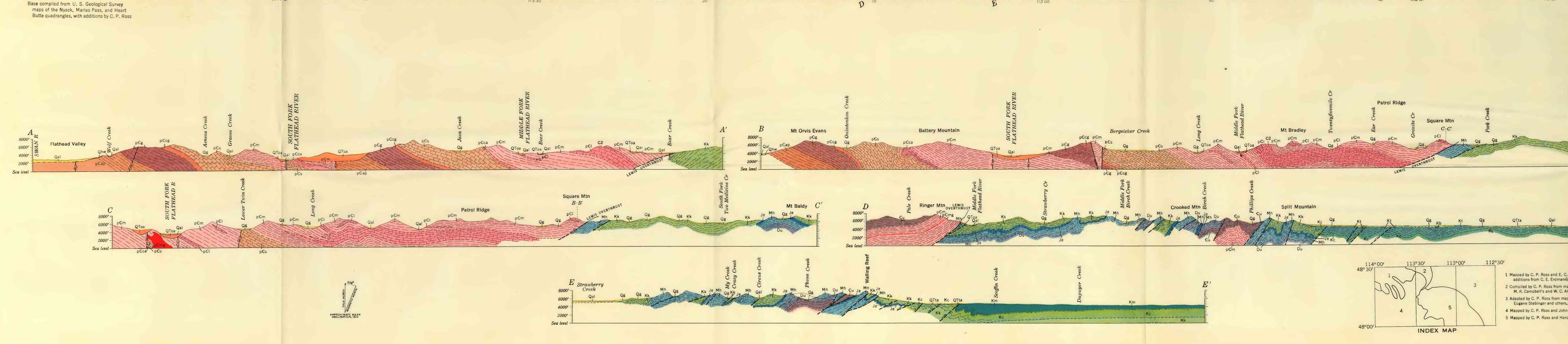
C Contact
H High-angle fault
F Fault, showing relative movement
T Thrust fault

STRUCTURAL FEATURES

A Anticline, showing trace of axial plane
S Strike and dip of overturned beds
V Strike and dip of vertical beds
H Horizontal beds
O Overturned anticline
P Prospect hole on supracrustal deposit

SYMBOLS AND NOTATION

Dashed where approximately located; short dashed where inferred or poorly located
High-angle fault: dashed where approximately located; dotted where concealed; U, upstream side; D, downstream side
Fault, showing relative movement: dashed where approximately located; T, upper plate
Anticline, showing trace of axial plane: dashed where approximately located
Strike and dip of overturned beds
Strike and dip of vertical beds
Horizontal beds
Overturned anticline
Prospect hole on supracrustal deposit
Approximate border of newly created Boundary Bore Basins



RECONNAISSANCE GEOLOGIC MAP AND SECTIONS OF THE FLATHEAD REGION, NORTHWESTERN MONTANA

Scale 1:125,000

Contour interval 100 feet

Base compiled from U. S. Geological Survey maps of the Nyeck, Marias Pass, and Heart Butte quadrangles, with additions by C. P. Ross

1. Made by C. P. Ross and E. C. Steiner in 1950, with additions from C. E. Endeman's published maps, 1944-1947

2. Compiled by C. P. Ross from maps and notes of M. S. Campbell and R. G. Adair's parties, 1911-14

3. Adapted by C. P. Ross from maps and notes by Eugene Stoberger and others, 1913 and later

4. Made by C. P. Ross and John Horsley in 1949

5. Made by C. P. Ross and Harold Marston in 1949

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. MF 5760

INDEX MAP