MONTANA BUREAU OF MINES AND GEOLOGY

PREPARED WITH THE COOPERATION OF THE GREAT NORTHERN RAILWAY CO and the PACIFIC POWER & LIGHT CO

BULLETIN 36 PLATE 2

GEOLOGIC MAP OF WHITEFISH AND COLUMBIA FALLS QUADRANGLES FLATHEAD COUNTY, MONTANA

EXPLANATION

QUATERNARY

Qal — ALLUVIUM
Recent gravel, sand, and silt. Some Pleistocene outwash.

Qgs — GLACIAL SILT
Lacustrine silt and clay.

Qgm — GLACIAL MORAINE
Drift, gravel, and some alluvial fan material.

PRECAMBRIAN

pCm$_2$ / pCm$_1$ — MISSOULA GROUP

pCm$_2$, Kintla Formation. Greenish-grey fine-grained quartzite with interbedded greyish-red mud-cracked argillite with salt casts.

pCm$_1$, Sheppard Formation. Light-grey cross-bedded dolomitic quartzite with interbedded stromatolitic dolomite and dolomitic argillite

pCpi$_3$ / pCpi$_2$ / pCpi$_1$ — PIEGAN GROUP

pCpi$_3$, Upper Piegan. Greyish-green and greyish-red argillite with minor quartzite, stromatolites.

pCpi$_2$, Middle Piegan. Grey silty, calcareous dolomite with interbedded dolomitic argillite and quartzite. Stromatolites.

pCpi$_1$, Lower Piegan. Grey-green calcareous mud-cracked argillite.

pCr — RAVALLI GROUP
Grey and greenish-grey argillite and light-grey purple-banded quartzite, commonly mud-cracked or ripple-marked.

CONTACTS — Established / Probable / Inferred

FAULTS — Established / Probable / Inferred

SYNCLINE

ANTICLINE

QUARTZ VEIN

STRIKE & DIP
Horizontal ⊕

TRIANGULATION STATION

TRIANGULATION STATION AND PERMANENT LOOKOUT STATION

RIDGE LINE

MINE

SAND or GRAVEL PIT

SCALE
0 1/2 2 Miles
1962

BASE FROM U.S. FOREST SERVICE MAPS 814-4-1 & 814-4-2

GEOLOGY BY WILLIS M. JOHNS

TRUE NORTH / MAGNETIC NORTH

Area of this map (Plate 2)
Area covered in previous progress reports
Boundary of Kootenai–Flathead project