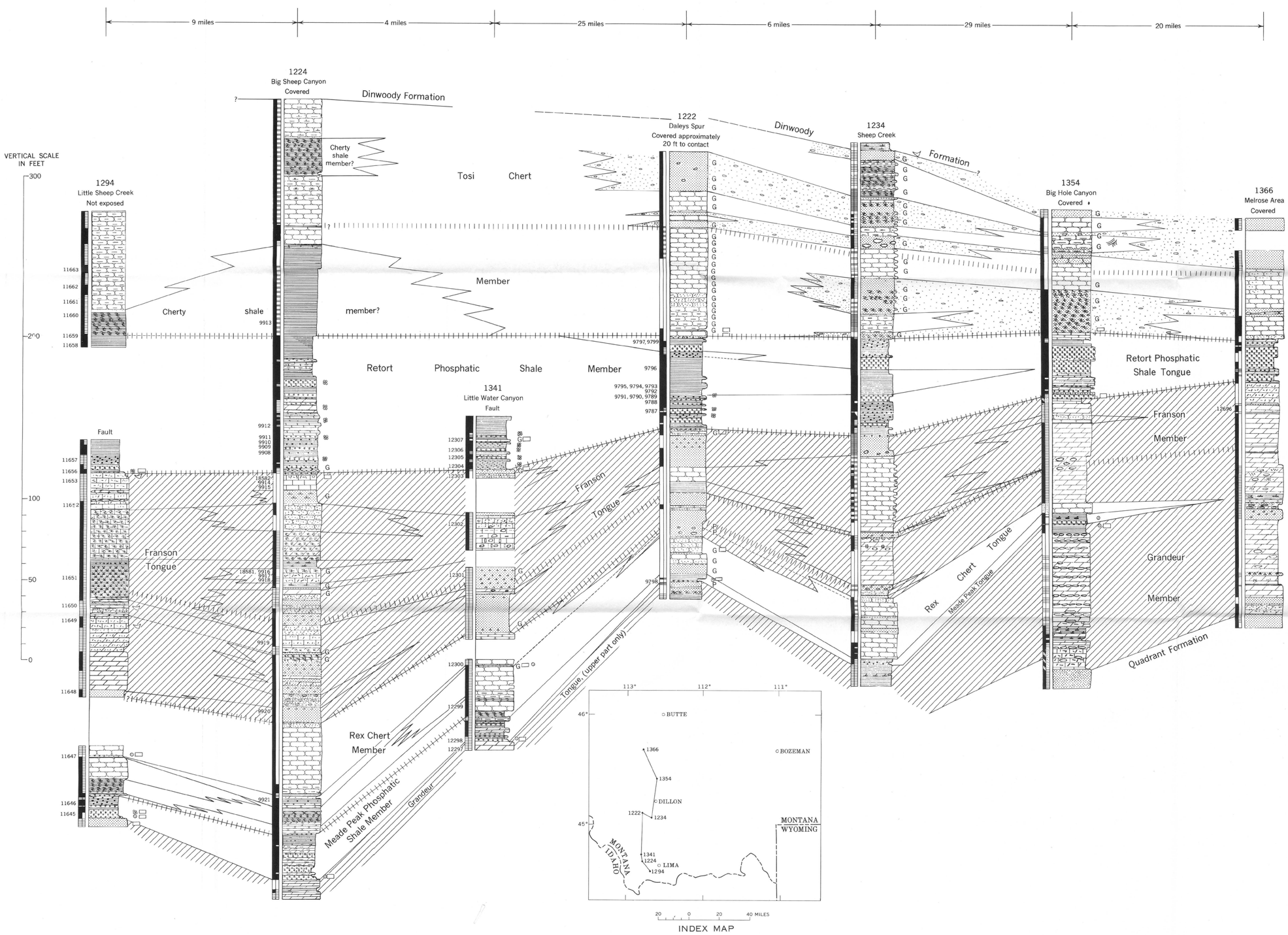
U. S. GEOLOGICAL SURVEY WASHINGTON
LIBRARY




## EXPLANATION

ROCK NAME

Sandstone
Mudstone
Chert
Carbonate rock, aphanitic
Dolomite, aphanitic
Dolomite, granular
Limestone, aphanitic
Limestone, granular
Phosphorite

CONSPICUOUS MINOR CONSTITUENTS

Present in amounts greater than 20 percent

Sand
Mud
Chert cement
Carbonate
Dolomite
Calcite
Apatite
Chert pebbles
Dolomite pebbles

Abundance shown by relative density

Chert nodules
Columnar concretions, composed of chert where unpatterned

CONTACTS BETWEEN BEDS

Planar
Gradational
Irregular

FIGURES NOTED TO RIGHT OF COLUMN

Apatite skeletal fragments
Calcareous or dolomitic skeletal fragments
Apatite oölites
Apatite nodules
P
Apatite <20 percent but greater than adjacent beds
G
Glauconite
Crossbedded

CORRELATION LINES

Contact between lithologic facies
Contact between rock types, not known to cross time horizons
Correlation lines within or between major rock types
Datum line delineating rock units for construction of lithofacies maps

HARDNESS AND EXPOSURE

Hard
Medium hard
Soft
Covered

COLOR

Dark gray, black, brownish black
Medium Gray
Light gray and white
Moderate brown, brownish gray, yellowish brown
Yellowish white, very pale orange
Orange, yellowish orange, weak yellowish orange
Olive gray, olive brown
Yellowish gray, grayish yellow
Reddish brown, grayish red
Pink

Fossil collection numbers are listed to left of color column

FORMATIONS

Phosphoria
Shedhorn
Park City

# STRATIGRAPHIC RELATIONS OF THE PHOSPHORIA AND SHEDHORN FORMATIONS AND THE FRANSON MEMBER OF THE PARK CITY FORMATION FROM LITTLE SHEEP CREEK TO THE MELROSE AREA, MONTANA

709-931 O - 64 (In pocket)