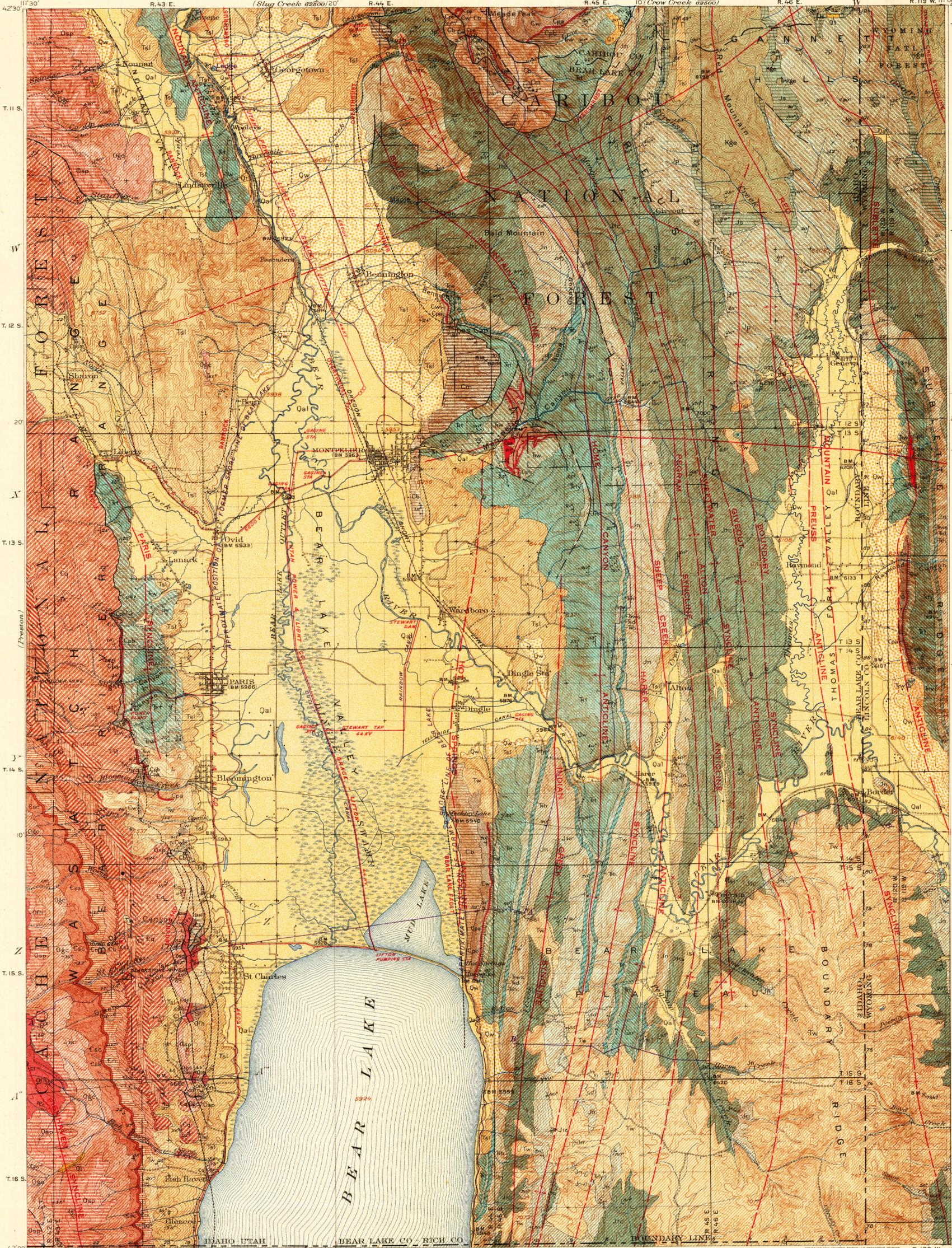


(200)
B
no. 152



EXPLANATION

SEDIMENTARY ROCKS

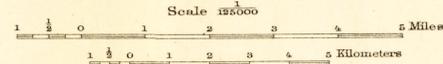
- Recent**
 - Ql Landslides
 - Qal Alluvium
 - Qw Hill wash and older alluvium
- Pliocene (P)**
 - Tsl Salt lake formation (Conglomerate, calcareous grit, sandstone, marl, and clay)
- Eocene**
 - Tw Wasatch formation (Red conglomerate and sandstone, with beds of tan-colored and white limestone, locally pisolitic)
- Lower Cretaceous (?)**
 - Kge Ephraim conglomerate (Red conglomerate, sandstone, and purple limestone; near base chert-pebble conglomerate)
- Upper Jurassic**
 - Js Stump sandstone (Thin-bedded and massive greenish-gray sandstone, weathering into platy and blocky fragments)
 - Jp Preuss sandstone (Reddish-gray to deep-red sandstone, usually calcareous, locally shaly)
 - Jtc Twin Creek limestone (Chiefly whitish-weathering shaly limestone; basal part largely massive brown sandy limestone)
 - Jn Nugget sandstone (Chiefly reddish to pinkish dense sandstone; some shaly beds and locally limestone bands with red shale near top)
 - Jws Wood shale (Thin-bedded brilliantly red sandstone and red shale, locally gypsiferous)
 - Jrd Deadman limestone (White, locally reddish or greenish limestone, massive, cherty, locally nodular; locally interbedded mottled limy shale)
 - Jrh Higham grit (White to pinkish quartzitic grit, conglomerate with small quartzite pebbles, coarse quartzite or sandstone)
 - Jty Timothy sandstone (Thin-bedded yellowish to grayish, somewhat sugary sandstone)
 - Jrt Thayne's group (Upper part (Portneuf limestone) chiefly massive drab siliceous limestone, but includes red-bed member; middle part (Fort Hall formation) yellowish and gray sandstone and shale; basal part (Ross Fork limestone) grayish to yellowish limestone, shale, and sandstone with Meekoceras zone at base)
 - Jrw Woodside shale (Olive-drab platy shale, with thin beds of brownish-gray limestone; massive fossiliferous limestone near top)
- Permian**
 - Cpb Phosphoria formation (Red chert member, Cab, at top; Cpa, phosphatic shale, yellowish to brown phosphatic sandstone, brown or black fetid limestone, locally beds of chert)
- Permian**
 - Cw Wells formation (Upper part chiefly dense, hard siliceous limestone; middle part softer sandy limestone, quartzite, and sandstone; lower part sandy and cherty gray limestone and sandstone)
- Mississippian**
 - Cb Brazer limestone (Massive light-gray to dark-gray limestone, weathering white to light gray)
 - Cm Madison limestone (Thin-bedded bluish-gray limestone, weathering brown or gray; also massive beds of light-gray limestone)

- UNCONFORMITY**
 - Drf Threeforks limestone (Purple cherty shale and sandy limestone, somewhat conglomeratic)
 - Sl Laketown dolomite (Massive light-gray to whitish dolomite, containing lenses of calcareous sandstone and locally a bed of purple shale)
 - Ofh Fish Haven dolomite (Dark-gray to bluish-black, locally cherty dolomite; some lighter-gray dolomitic beds and shale)
 - Osp Swan Peak quartzite (White quartzite, locally stained buff to red on weathered surfaces)
 - Ogc Garden City limestone (Thick and thin-bedded gray limestone with beds of conglomerate or breccia)
 - Csc St. Charles limestone (Bluish-gray to gray arenaceous limestone, with some cherty and concretionary layers; at base Worm Creek quartzite member, Csa)
 - Cn Nounan limestone (Chiefly massive light-colored dolomitic limestone, rather coarsely crystalline; includes darker massive beds and thin-bedded sandy and clayey layers)
 - Cb Bloomington formation (Bluish-gray limestone, rather thin-bedded, some massive layers and some sandy or argillaceous beds; at base Hodges shale member, Cba, of olive-green shale with impure thin-bedded limestone)
 - Esl Blacksmith limestone (Arenaceous limestone at base; above is thin-bedded and purer limestone, with sandy bands; some beds of bluish-gray oolitic limestone)
 - Eu Ute limestone (Light-gray, greenish, or bluish-gray thin-bedded clayey limestone, with oolitic layers and more massive light-gray limestone; papery strata at base)
 - El Langston limestone (Bluish-gray to light-gray limestone, somewhat coarsely crystalline; massively bedded)
 - Eg Brigham quartzite (Vitrescent quartzite or sandstone, purple or pinkish, also white, gray, deep red, and nearly black; conglomeratic layers; locally beds of micaceous shale near top)
- UNCONFORMITY**
 - Js Stump sandstone
 - Jtc Twin Creek limestone
 - Jn Nugget sandstone
 - Jty Timothy sandstone
 - Jrt Thayne's group
 - Cpb Phosphoria formation
 - Cw Wells formation
 - Cb Brazer limestone
 - Cm Madison limestone
- Fault**
 - Inferred fault
 - Fault concealed by surface deposits
 - Anticlinal axis
 - Synclinal axis
 - Minor folds
 - Strike and dip of rocks
 - Strike of vertical rocks
 - Overtured dip
 - Metalliferous prospect
 - Phosphate mine
 - Line of profile on Plate 10

R. B. Marshall, Chief Geographer
T. G. Gardine, Geographer in charge
Topography by A. E. Murfin, Albert Pike, and M. A. Knock
Control by Geo. T. Hawkins, C. F. Urquhart, and L. F. Biggs
Surveyed in 1909

GEOLOGIC MAP OF THE MONTEPELIER QUADRANGLE, IDAHO-WYOMING

Geology by G. R. Mansfield, R. W. Richards,
H. S. Gale, P. V. Roundy, C. L. Bregier,
J. H. Bridges, E. L. Troxell, W. Peterson,
and J. W. Merritt
Surveyed in 1909-1912, 1914-1915, 1920



Contour interval 50 feet.
Datum is mean sea level.

