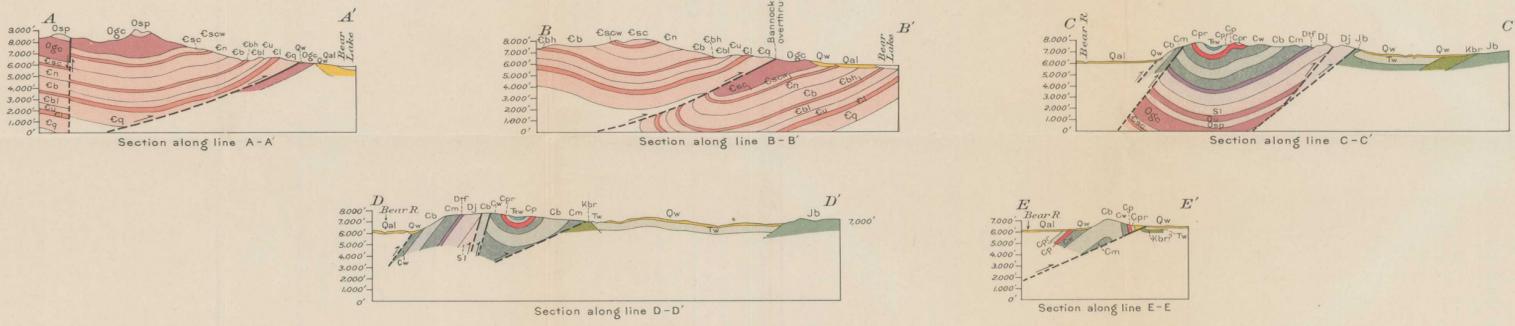


SEDIMENTARY ROCKS

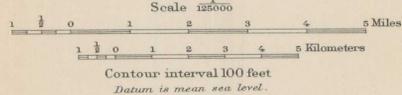
- QUATERNARY**
 - Recent
 - Qal Alluvium
 - Qw Hill wash
 - Pliocene (?)
 - Jsl Salt Lake formation (White marl)
 - Eocene
 - Tw Wasatch formation (Varicolored conglomerate and sandstone with subordinate shale and limestone; Tw, twf member)
- TERTIARY**
 - Upper Cambrian
 - Csc St. Charles limestone (Massive gray limestone. Cscw, massive-bedded gray Worm Creek quartzite member at base)
 - Cn Nounan limestone (Massive to medium-bedded gray limestone)
 - Cb Bloomington formation (Thin-bedded gray limestone and shale; Cb, Hodges shale member at base)
 - Middle Cambrian
 - Cbl Blacksmith limestone (Massive gray limestone)
 - Cu Ute limestone (Thin-bedded limestone and shale)
 - Cl Langston limestone (Massive-bedded blue-gray limestone, sandy in lower part)
 - Cq Brigham quartzite (Massive-bedded fine-grained gray quartzite; local lenses of conglomerate)
- CRETACEOUS**
 - Upper
 - Kbr Bear River formation (Fissile dark clay and carbonaceous shale with interbedded thin gray limestone and buff sandstone)
 - Lower (?)
 - Jb Beckwith formation (Gray and buff sandstone and shale overlying varicolored shale and sandstone)
 - Jtc Twin Creek limestone (Massive and thin-bedded gray limestone; weathers into splintery fragments)
 - Jn Nugget sandstone (Massive-bedded fine-textured red and white sandstone)
- JURASSIC**
 - Lower (?)
 - Ra Ankeroh shale (Variegated red and drab sandy and clayey shale, red and green calcareous sandstone, and thin limestone)
 - Rt Thaynes limestone (Limestone and calcareous sandstone, locally shaly)
 - Rw Woodside shale (Varicolored red and green shale, subordinate sandstone and limestone)
 - Upper
 - Cbr Phosphoria formation (Chert and limestone overlying clay shale and oolitic phosphate; Cb, Rex chert member)
 - Cw Wells formation (Massive-bedded quartzite, calcareous sandstone, and sandy limestone)
 - Cb Brazer limestone (Massive gray siliceous limestone and sandstone, in places cherty; lower part thin-bedded and shaly, locally phosphatic)
 - Cm Madison limestone (Medium to thin-bedded dark limestone)
 - Dtf Threeforks limestone (Thin-bedded limestone; weathers reddish)
 - Dl Jefferson dolomite (Massive dark dolomite; weathers a characteristic brown tuff)
 - Sl Laketown dolomite (Massive light-gray dolomite of Niagara age)
 - Qu Undifferentiated Ordovician
 - Osp Swan Peak quartzite (Medium to thin-bedded fine-textured gray quartzite)
 - Ogc Garden City limestone (Thick- and thin-bedded gray limestone)
- TRIASSIC**
 - Lower
 - Tb Basalt

IGNEOUS ROCKS

- Tb Basalt
- D Fault (D, downthrow; U, upthrow)
- Fault concealed by surface deposits, position inferred
- Thrust fault (T, overthrust side)
- Axis of anticline
- Axis of syncline
- Strike and dip of strata
- Vertical strata
- Overtured strata
- Phosphate mine



GEOLOGIC MAP AND SECTIONS OF THE RANDOLPH QUADRANGLE, UTAH-WYOMING



Geology by G. B. Richardson, H. S. Gale,
R. W. Richards, P. V. Roundy, C. L. Bregger
Surveyed in 1909 and 1912