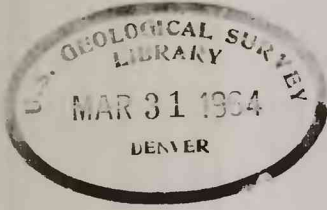


| EXPLANATION | |
|---------------|---|
| QUATERNARY | <div>Qal</div> Alluvium Stream alluvium and terrace gravels |
| | <div>Qls</div> Landslide material May be in part of late Tertiary age |
| | <div>Twru</div> <div>Twrl</div> White River Formation *Twru, upper member; interbedded tan siltstone and conglomerate; Twrl, lower member; tan tuffaceous siltstone |
| | |
| TERTIARY | <div>Tcs</div> Claystone and sandstone Light-green silicified bentonitic claystone and arkosic sandstone. May be lower part of White River Formation |
| | <div>Twdr</div> Wind River Formation Variegated siltstone and claystone, and gray sandstone; conglomeratic locally at base |
| | <div>Tls</div> Landslide material Some slides reactivated in Quaternary time |
| | UNCONFORMITY |
| CRETACEOUS | <div>Kn</div> Niebrara Formation Gray limy shale and shaly limestone |
| | <div>Kf</div> Frontier Formation Gray shale and sandstone; bentonitic near base; Wall Creek Sandstone Member at top |
| | <div>Kmt</div> Mowry and Thermopolis Shales Mowry Shale is gray siliceous shale containing thin bentonite beds and abundant fish scales; weathers silvery yellow. Underlying Thermopolis Shale is thin-bedded dark-gray shale with Muddy Sandstone Member about 50 feet above base |
| | <div>Kcv</div> Cloverly Formation Buff to light-gray crossbedded sandstone and thin-bedded black carbonaceous shale; chert-pebble conglomerate about 15 feet above base |
| JURASSIC | <div>Jm</div> Morrison Formation Variegated claystone with nodular limestone and lenticular silty sandstone |
| | UNCONFORMITY(?) |
| | <div>Js</div> Sundance Formation Upper part is greenish-yellow glauconitic shale and siltstone; middle part is green shaly sandstone and red sandy siltstone; lower part is massive yellowish-white crossbedded friable sandstone. Calcareous throughout |
| | UNCONFORMITY |
| TRIASSIC | <div>Rj</div> Jelm Formation Buff even-bedded sandstone in upper part; red siltstone interbedded with sandstone in lower part |
| | UNCONFORMITY(?) |
| | <div>Rc</div> Chugwater Formation Red shale and siltstone; includes Alcova Limestone Member at top |
| | <div>Rpg</div> Goose Egg Formation Red siltstone and shale and gray limestone; contains gypsum beds in some areas |
| PERMANIAN | UNCONFORMITY |
| | <div>Ppc</div> *Casper Formation Tan massive crossbedded, sandstone and reddish-brown quartzite in upper part; pink or gray limestone and dolomite, and calcareous sandstone in lower part |
| | UNCONFORMITY |
| | <div>Mm</div> *Madison Limestone Predominantly gray massive limestone and dolomite; considerable chert near top; arkosic sandstone and conglomerate at base |
| MISSISSIPPIAN | UNCONFORMITY |
| | <div>Diabase dike</div> |
| | <div>Quartz vein</div> |
| | <div>Granite</div> |
| PRECAMBRIAN | Contact Dashed where approximately located |
| | <div>High-angle fault</div> Dashed where approximately located. U, upthrown side; D, downthrown side |
| | Landslide area Age uncertain where no symbol shown |
| | Dip and strike of beds |

Base by U. S. Geological Survey, 1959

Geology mapped in 1960 and 1963



55085

GEOLOGIC MAP OF THE CHALK HILLS QUADRANGLE, ALBANY AND CARBON COUNTIES, WYOMING

By
E. N. Harshman
1964

PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME

This map is preliminary and has not been
edited or reviewed for conformity with
U. S. Geological Survey standards and
nomenclature.

Contact
Dashed where approximately located

High-angle fault
Dashed where approximately located.
U, upthrown side; D, downthrown side

Landslide area
Age uncertain where no symbol shown

Dip and strike of beds