



CORRELATION OF MAP UNITS

Map Unit	Geological Period	Geological Group
Qal	HOLOCENE	QUATERNARY
Qs		
Qff	PLEISTOCENE	QUATERNARY
Qls		
Qg	PLEISTOCENE	QUATERNARY
Qthb		
Th	Eocene	TERTIARY
TKp		
PMa	Paleocene and Upper Cretaceous	CRETACEOUS PENNSYLVANIAN
Mod		
Mm	Mississippian	MISSISSIPPIAN
Dd		
Ob	Devonian	DEVONIAN
Egp		
Cdc	Cambrian	CAMBRIAN
Ewf		
pCd	Precambrian	PRECAMBRIAN
pCu		
pCg		

DESCRIPTION OF MAP UNITS

Qal FLOOD-PLAIN AND OUTWASH DEPOSITS (HOLOCENE)  
 Qs SWAMP DEPOSITS (HOLOCENE)  
 Qff TALUS, ROCKFALL, ALLUVIAL FAN, AND COLLUVIAL DEPOSITS (HOLOCENE)  
 Qls GLACIAL DEPOSITS (PLEISTOCENE)--Till and associated debris of various glacial stages  
 Qg HUCKLEBERRY RIDGE TUFF AND BOONE CREEK TUFF (PLEISTOCENE AND PLEISTOCENE?)--Rhyolitic ash-flow tuff and vitrophyre representing at least two volcanic events  
 Th HOMETW PEAK FORMATION (EOCENE)--Brown mafic volcanic conglomerate and agglomerate  
 TKp PINTON CONGLOMERATE (PALEOCENE AND UPPER CRETACEOUS)--Roundstones of Precambrian quartzite and Paleozoic and Mesozoic rocks in brown sandstone matrix  
 PMa AMSDEN FORMATION (PENNSYLVANIAN AND MISSISSIPPIAN)--Gray dolomite and limestone and variegated shale  
 Mod Darwin Sandstone Member (Mississippian)--Salmon-red sandstone; at base of formation  
 Mm MADISON LIMESTONE (MISSISSIPPIAN)--Blue-gray limestone, gray dolomite, and thin beds of black and red shale and sandstone  
 Dd DARBY FORMATION (DEVONIAN)--Brown fossiliferous dolomite interbedded with yellow, gray, and black shale and thin sandstones  
 Ob BIGHORN DOLOMITE (ORDOVICIAN)--Gray hard cliff-forming siliceous dolomite; white brittle Leigh Dolomite Member at top  
 Egp GALLATIN LIMESTONE AND PARK SHALE MEMBER OF THE GROS VENTRE FORMATION (CAMBRIAN)  
 Cdc DEATH CANYON LIMESTONE MEMBER OF THE GROS VENTRE FORMATION (CAMBRIAN)  
 Ewf WOLSEY SHALE MEMBER OF THE GROS VENTRE FORMATION AND FLATHEAD SANDSTONE (CAMBRIAN)  
 pCd DIABASE (PRECAMBRIAN)  
 pCu ULTRAMAFIC ROCKS (PRECAMBRIAN)--Chiefly serpentinite  
 pCg GRANITE, GNEISS, AND MIGMATITE (PRECAMBRIAN)

Contact--Dashed where approximately located  
 Fault--Dashed where approximately located; dotted where concealed. U, upthrown side; D, downthrown side  
 Shear zone--U, upthrown side; D, downthrown side  
 Linear feature conspicuous on aerial photographs--Generally indicates trace of joint, vein, or fault

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

Compiled largely by photogeologic methods in 1971, based in part on field studies by J. C. Reed, Jr., in 1970, D. W. Love in 1970, and J. D. Love in 1958 and 1970.

PRELIMINARY GEOLOGIC MAP OF THE RAMMEL MOUNTAIN QUADRANGLE, TETON COUNTY, WYOMING

By John C. Reed, Jr., David W. Love, and J. D. Love  
1973

