



Geo symbol	Formation	Description
al	Alluvium	Unconsolidated silt, sand, clay, gravel, and cobbles along stream valleys. Thickness 0 to 30 feet.
qm	Slope wash	Unconsolidated surficial debris consisting of subangular limestone fragments with silt, clay, gravel. Thickness 0 to 25 feet.
sh	Spring deposits	Calcium sulfate deposited by hot springs
gtc	Terrace gravels	Unconsolidated gravel, sand, cobbles and silt deposited by streams. Thickness 0 to 100 feet.
ltc	Lower Cody terrace	
mtc	Middle Cody terrace	
htc	High Cody terrace	
tr	Tertiary	
tu	Tuff	Thin-bedded light colored sandstone and siltstone with some red shale in upper part. Thickness 1,000 feet.
fl	Flint	Thin-bedded buff colored sandstone and brown shale. Thickness 1,800 feet.
ve	Venturian	Gray to white clayey sand and sandstone; gray to blue sandstone; brown shale and bentonite. Thin bedded coal in upper part. Thickness 1,000 feet.
ve	Venturian	White buff sandstone, chiefly in lower part. Lower part sandstone and thin layers of gray shale. Thickness 1,100 feet.
ca	Cambrian	Upper part buff sandy shale and thinly laminated buff sandstone; lower part gray thin-bedded shale. Thickness 2,150 feet.
fr	Frontier	Thick lenticular gray sandstone; gray, brown, and carbonaceous shale and bentonite. Thickness 500 feet.
ns	Norway shale	Gray and brown shale containing fish scales, in part siliceous; numerous bentonite beds. Thickness 300 feet.
tr	Trempealeau	Soft black shale with numerous beds of bentonite. Sandy sand of drillers in lower part. Thickness 650 feet.
cl	Cloverly	Massive sandstone of variable thickness and hardness; gray and variegated shale. Thickness 170 feet.
ja	Jordan	Variegated sandy shale with lenticular calcarenite near middle; some of lilac-colored shale and cherty in upper part. Thickness 450 feet.
su	Sundance	Green shale with greenish-gray sandstone at top; thin beds of fossiliferous limestone; some red shale and gypsum in lower part. Thickness 480 feet.
tr	Chugwater	Red shale and sandstone; gypsum bed at top. Thickness 820 feet.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
GEOLOGIC MAP OF THE HEART MOUNTAIN DIVISION OF THE SHOSHONE IRRIGATION PROJECT, PARK COUNTY, WYOMING.
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