

Table 3.10-2. Paleontological Significance of Units and Formations.

Unit Symbol ¹	Unit	Paleontological Class
Quaternary		
Qa	Alluvium and Colluvium	V
Qt	Gravel, Pediment, and fan deposits	V
Ql	Playa and Lacustrine	V
Qls	Landslide Deposits	V
Qs	Dune and Loess	V
Qg	Glacial Deposits	V
Qtc	Conglomerate	V
Tertiary		
Tm	Miocene Rocks	III
Tmu	Upper Miocene Rocks	III
Tn	North Park Formation	II
Tbp	Browns Park Formation	II
Twr	White River Formation	II
Twrb	Brule Member	III
Twru	Upper Conglomerate Member	III
Twre	Chadron Member	III
Toe	Oligocene and Upper and Middle Geocene Rocks	III
Tip	Ice Point Conglomerate	III
Twa	Washakie Formation	II
Twb	Wagon Bed Formation	II
Tb	Bridger Formation	II
	Green River Formation	
Tgl	Laney Member	II
Tgt	Tipton Shale Member	II
Tglu	Luman Tongue	II
Tgw	Wilkens Peak	II
Tw	Wasatch Formation	II
Twc	Cathedral Bluffs Tongue	II
Twn	Niland Tongue	II
Twm	Main Body	II
Tbs	Battle Springs Formation	IV
Tbw	Transitional Unit between Battle Springs Formation and Wasatch Formation	IV
Tfu	Fort Union Formation	II
Twdr	Wind River Formation	II
Tkf	Ferris Formation	II
Tco	Coalmont Formation	III
Tha	Hanna Formation	II
Tbf	Basal Flows and Intrusive Rocks	V

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Unit Symbol¹	Unit	Paleontological Class
Tml	Lower Miocene Rocks	III
Tmo	Lower Miocene and Upper Oligocene Rocks	III
	Cretaceous	
Kl	Lance Formation	IV
Kmb	Medicine Bow Formation	IV
Kle	Lewis Shale	IV
Kmv	Mesaverde Group	III
Ks	Steele Shale	IV
Ksn	Steele Shale and Niobrara Formation	IV
Kn	Niobrara Formation	IV
Knt	Niobrara, Frontier, Mowry, Thermopolis	IV
Kf	Frontier Formation	IV
Kmt	Frontier, Mowry, Thermopolis	IV
Kmt	Mowry, Thermopolis	IV
Kj	Cloverly, Morrison Formations	II
Kjs	Cloverly, Morrison, Sundance Formations	II
Kp	Pierre Shale	IV
	Jurassic	
Js	Sundance Formation	IV
	Triassic	
TrPg	Goose Egg Formation	IV
TrPcg	Chugwater, Goose Egg Formation	IV
Trc	Chugwater Formation	IV
TrPjs	Jeim, Chugwater, Forelle, Satanka	IV
MzPz	Mesozoic and Paleozoic Rocks	IV
	Pennsylvanian	
Pfg	Forelle Limestone, Satanka Shale	IV
PPc	Casper Formation	IV
PPcf	Casper, Fountain Formations	IV
PPM	Casper Formation and Madison Limestone	IV
PM	Tensleep and Amsden	IV
Pzr	Madison Limestone and Cambrian Rocks	IV
	Mississippian	
Mda	Guernsey Formation	
Mm	Madison Limestone	IV
Cr	Cambrian Rocks	V
	Precambrian Rocks	
Xsv	Medasedimentary and Metavolcanic Rocks	V
Xcl	Libby Creek Group	V
Xdl	Deep Lake Group	V

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Unit Symbol¹	Unit	Paleontological Class
MVsw	Metasedimentary and Metavolcanic Rocks	V
Ws	Metasedimentary Rocks	V
Wmu	Metamorphosed Mafic and Ultramafic Rocks	V
Wgn	Granite Gneiss	V
Ys	Sherman Granite	V
Yls	Pyroxene and hornblende syenite	V
Yla	Anorthosite and Norite	V
Xqd	Quartz Diorite	V
Xgy	Granitic Rocks of 1,700-Ma Age Group	V
Xm	Mafic Intrusive Rocks	V
Wg	Granitic Rocks of 2,600-Ma Age Group	V
Pw	Mafic Intrusive Rocks	V

¹Geologic unit symbols can be correlated with Geologic Map of Wyoming

²Ma = million years (approximately)

³Source: (BLM 1987)