



A. TOPOGRAPHY, LOCALITIES, AND LANDMARKS IN THE GREATER GREEN RIVER BASIN

EXPLANATION	
Qa	Alluvium and colluvium (Quaternary)
Qd	Gravel, silt, and fan deposits (Quaternary)
Qg	Gravel and alluvium (Quaternary)
Qh	Landslide deposits (Quaternary)
Qs	Sand dune and loess deposits (Quaternary)
Qv	Volcanic deposits (Quaternary)
Ql	Playa lake and other lacustrine deposits (Quaternary)
Qr	Extrusive and intrusive igneous rocks (Quaternary)
Qv	Undivided surficial deposits (Quaternary)
Qg	Terrace gravel (Quaternary and (or) Tertiary)
Tv	Volcanic rock (Tertiary)
Tu	Upper Tertiary volcanic rocks
Tb	Basalt flows (Tertiary)
Tp	Brown Park Formation (Miocene)
Tm	Miocene
Tmu	Miocene undivided
Tb	Bishop conglomerate (Oligocene)
Twr	White River Formation (Oligocene)
Twu	Upper conglomerate member
Tm	Oligocene and (or) upper and middle Eocene rocks
Tp	1st Paleogene (Eocene)
Twa	Wasatch Formation (Eocene)
Tb	Bridger Formation (Eocene)
Tgc	Granite conglomerate above or in upper Wasatch Formation (Eocene)
Tc	Crooks Gap Conglomerate (Eocene)
Tgr	Green River Formation (Eocene)
Tgl	Laney Member
Tgw	Wilkins Peak Member
Tgw	Wilkins Peak and Tipton Shale Members
Tgl	Tipton Shale Member or Tongue
Tglu	Luman Tongue
Tgw	New Fork Tongue of Wasatch Formation and Fontenelle Tongue of Green River Formation (Eocene)
Tgrw	Green River and Wasatch Formations (Eocene)
Tgrw	Wasatch Formation (Eocene)
Tu	Undivided
Twd	Diatomite and sandstone
Twc	Cathedral Bluffs Tongue
Twc	La Barge and Chappo Members
Twm	Niland Tongue
Twm	Main body
Tws	Transitional unit between Battle Spring and Wasatch Formations (Eocene)
Tbs	Battle Spring Formation (Eocene)
Tp	Paseo Peak Formation (Eocene)
Th	Hoback Formation (Paleocene)
Tlu	Fort Union Formation (Paleocene)
Kha	Harrell Formation (Cretaceous)
Kl	Lance Formation (Cretaceous)
Kli	Fox Hills and Lewis Shale sandstone (Cretaceous)
Kls	Lewis Shale (Cretaceous)
Kmv	Mesa Verde Formation (Cretaceous)
Kal	Almond Formation
Ke	Eocene Sandstone
Kr	Rock Springs Formation
Kbl	Blair Formation
Kav	Adaville Formation
Kba	Baxter Shale (Cretaceous)
Kc	Cody Shale (Cretaceous)
Kf	Frontier Formation (Cretaceous)
Kab	Sohare Formation and Bacon Ridge Sandstone (Cretaceous)
Ka	Aspen Shale (Cretaceous)
Kbr	Bear River Formation (Cretaceous)
Kg	Gannett Group (Cretaceous)
Jst	Stump Formation, Pecos Sandstone, and Twin Creek Limestone (Jurassic)
Jn	Nugget Sandstone (Jurassic)
Jnd	Nugget Sandstone (Jurassic) and Ankerh Formation, Thermo Limestone, Woodside Shale, and Dinwoody Formation (Triassic)
Pp	Phosphoria Formation (Permian)
PM	Tensleep Sandstone (Permian and Pennsylvanian) and Amosden Formation (Pennsylvanian and Mississippian)
PPM	Wells Formation (Permian and Pennsylvanian) and Amosden Formation (Permian and Mississippian)
MD	Madison Group (Mississippian and Devonian)
OK	Bighorn Dolomite (Ordovician), Gallatin Limestone, Gros Ventre Formation, and Flathead Sandstone (Late Cambrian)
Wg	Granitic rocks (Archean)
—	Contact
—	Fault—Bar and ball on downthrown side



B. GEOLOGY OF THE GREATER GREEN RIVER BASIN

MAPS SHOWING TOPOGRAPHY AND GEOLOGY OF THE GREATER GREEN RIVER BASIN, WYOMING, UTAH, AND COLORADO

By
Henry W. Roehler
1992

Geology compiled from Love and Christensen, 1985; Miller, 1986; and Tamm, 1975. Unconformities and faults were mapped by Love and Christensen, 1985. Not all areas are labeled; emphasis is on distribution of Eocene rocks. See State maps of Wyoming, Colorado, and Utah for full detail.