

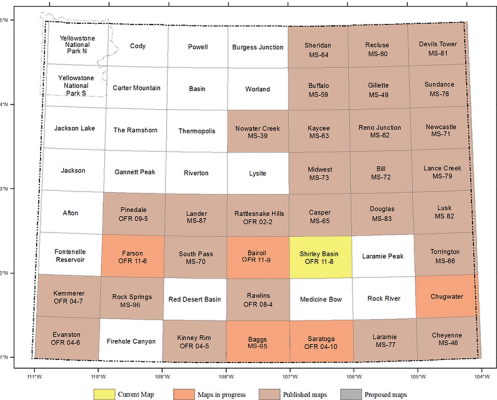


LIST OF MAP UNITS

Quaternary	Jurassic	Jurassic/Triassic	Paleozoic
Qal Alluvium	Jm Morrison Formation	Jm Morrison and Sundance Formations, undivided	Pgo Goose Egg Formation
Qsa Active sand dune	Jsa Sundance Formation	Jsa Sundance Formation	Ppc Casper Formation
Qs Windblown sand deposits			Pt Tensleep Sandstone
Qac Alluvium, colluvium, terrace, and pediment			Pma Amosden Formation
Qc Colluvium			Mm Madison Limestone
Qcb Landslide block or debris			
Qt Terrace gravels			Cambrian
Qp Pediment boulders, cobbles, pebbles, and gravel			Cf Flathead Formation
Qpg Pediment gravel			Precambrian
Tertiary			Wg Precambrian granite and gneiss, undivided
Tls Tertiary landslide			Md Mafic dike
Tu Tertiary rocks undivided			
Ta Aricae Formation			
Tsr Split Rock Formation			
Twr White River Formation			
Twu Upper White River Formation			
Twl Lower White River Formation			
Twb Wagon Bed Formation			
Twd Wind River Formation			
Th Hanna Formation			
Tertiary/Cretaceous			
Thc Flathead Formation			
Cretaceous			
Kmb Medicine Bow Formation			
Kfb Fox Hills Sandstone			
Klw Lewis Shale			
Kmv Mesaverde Formation			
Ku Unnamed shale			
Ks Steele Shale			
Kn Niobrara Formation			

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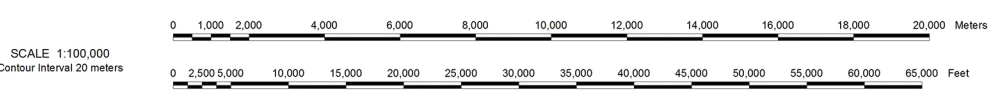
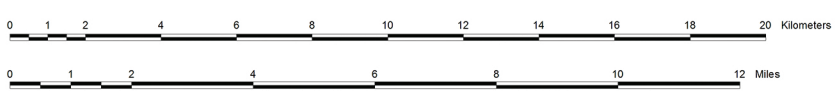
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Base map from U.S. Geological Survey 1:100,000-scale metric topographic map of the Shirley Basin, Wyoming Quadrangle, 1981

Projection: Universal Transverse Mercator (UTM), zone 13
North American Datum of 1927 (NAD 27)
10,000-meter grid. UTM, zone 13
25,000-foot grid ticks. Wyoming State Plane Coordinate System, east central and east zones

UTM GRID CONVERGENCE (GN) AND
1981 MAGNETIC DECLINATION (MN) AT CENTER OF SHEET
DIAGRAM IS APPROXIMATE

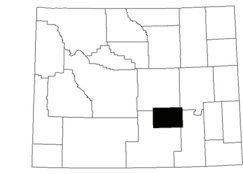


PRELIMINARY GEOLOGIC MAP OF THE SHIRLEY BASIN 30' X 60' QUADRANGLE, CARBON,
NATRONA, ALBANY, AND CONVERSE COUNTIES, WYOMING

compiled and mapped
by

Nick R. Jones and Robert W. Gregory

2011



WYOMING QUADRANGLE LOCATION

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Map layout and design by Robin W. Lyons

Map editing by Suzanne C. Lühr

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