



Designed for use with Index to Topographic Maps of Wyoming



**INDEX OF GEOLOGIC MAPS OF WYOMING INCLUDED IN 1980-1989
GRADUATE THESES AND DISSERTATIONS FROM THE UNIVERSITY OF WYOMING**
Compiled by Jon K. King and Alan J. Ver Ploeg
1990

Shaded areas depict major basins.
Base by U.S. Geological Survey.

**GEOLOGIC MAPS OF WYOMING
IN 1980 TO 1989 GRADUATE THESES AND DISSERTATIONS
FROM THE UNIVERSITY OF WYOMING¹**

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1990

1. BALSAM, R.C., Jr., 1986, Geology and geophysics of the South Pass area, Fremont County, Wyoming, map scale 1:8,000.
- 2.* BENEDICT, J.F., 1982, The geology and mineral potential of the Schiestler Peak area, Temple Peak Quadrangle, Wyoming, map scale 1:24,000.
- 3.* BLEVENS, D.M., Jr., 1984, Computer assisted structural analysis of the western termination of the Flat Top anticline, Carbon County, Wyoming, map scale 1:12,000.
- 4.* BLUNDELL, J.S., 1988, Structural trends of Precambrian rocks, Sheep Ridge anticline, western Owl Creek Mountains, Wyoming, map scale 1:24,000.
- 5.* BOCHENSKY, PAUL, 1982, Contact metamorphism effects of the Laramie anorthosite complex at Morton Pass, Wyoming, map scales 1:5,760 and 1:1,716.
6. CHAMBERS, H.P., 1988, A regional ground motion model for historical seismicity along the Rock Creek fault, western Wyoming, map scale 1:63,360.
- 7.* CLAREY, T.L., 1984, Geologic investigations of the Shirley fault and vicinity, Carbon County, Wyoming, map scale 1:24,000.
- 8.* CONARD, J.B., 1981, Geology of the Castle Rock 7.5-minute Quadrangle, Fremont County, Wyoming, map scale 1:24,000.
9. COPLAND, J.R., 1984, Laramide structural deformation at the interface between the Laramie Range and the Denver-Julesburg Basin, southeastern Wyoming, map scale 1:24,000.
10. CUTLER, E.R., 1984, Geology of the upper Green River area between the Gros Ventre and Wind River Mountains, Sublette County, Wyoming, map scale 1:24,000.
- 11.* DOREMUS, D.M., 1986, Groundwater circulation and water quality associated with the Madison aquifer, northeastern Bighorn Basin, Wyoming, map scale 1:50,000.
12. DUDLEY, J.L., 1984, Laramide folding and post-Laramie faulting in the Little Canyon Creek area, southeastern Bighorn Basin, Washakie County, Wyoming, map scale 1:24,000.
- 13.* DUEBENDORFER, E.M., 1986, Structure, metamorphism, and kinematic history of the Cheyenne belt, Medicine Bow Mountains, southeastern Wyoming (Ph.D.), map scale 1:24,000.
14. GAYLORD, D.R., 1983, Recent eolian activity and paleoclimate fluctuations in the Ferris/Lost Soldier area, south-central Wyoming (Ph.D.), map scale 1:250,000 [compilation].
15. GENTRY, D.J., 1983, Solution cleavage in the Twin Creek Formation and its relationships to thrust fault motions in the Idaho-Utah-Wyoming thrust belt, map scale approximately 1:8,000 [modified from previous mapping].
- 16.* GILMER, D.R., 1986, General geology, landsliding, and slope development of a portion of the north flank of the Uinta Mountains, south-central Uinta County, Wyoming, map scale 1:24,000.
- 17.* GUBBELS, T.L., 1987, Structural and geomorphic evolution of the north flank, eastern Owl Creek Mountains, Wyoming, map scales 1:24,000 and 1:12,000.
18. HUNTER, R.B., 1986, Timing and structural relations between the Gros Ventre foreland uplift, the Prospect thrust system, and the Granite Creek thrust system, Wyoming, map scale 1:24,000.
19. HURICH, C.A., 1981, Gravity interpretation of the southern Wind River Mountains, Wyoming, map scale 1:250,000 [gravity map].
20. JACKSON, K.E., 1984, Geology of the Circle Bar Lake Quadrangle, Fremont and Sweetwater Counties, Wyoming, map scale 1:24,000.
- 21.* JAWOROWSKI, C.C., 1985, Geomorphic mapping and trend analysis of Quaternary deposits with implications for late Quaternary faulting, central Wyoming, map scale 1:24,000.
22. KARLSTROM, K.E., 1981, Late Archean and Early Proterozoic geologic history of metasedimentary rocks of the Medicine Bow Mountains, Wyoming (Ph.D.), map scale 1:50,000.
- 23.* KOESTERER, M.E., 1986, Archean history of the Medina Mountain area, central Wind River Range, Wyoming, map scale 1:10,000.
- 24.* KOLB, GRANT, 1983, Geology of the New Fork Lakes area, Sublette County, Wyoming, with the application of remote sensing, map scale 1:24,000.
25. KRATOVCHIL, A.L., 1981, Geology of the uraniferous Deep Gulch Conglomerate (Late Archean), northwestern Sierra Madre, Wyoming, map scale 1:1,820 [several small plane-table maps].
- 26.* LAGESON, D.R., 1980, Structural geology of the Stewart Peak Quadrangle, Lincoln County, Wyoming, and adjacent parts of the Idaho-Wyoming thrust belt (Ph.D.), map scale 1:24,000.
27. LANGSTAFF, G.D., 1984, Investigation of Archean metavolcanic and metasedimentary rocks of Sellers Mountain, west-central Laramie Mountains, Wyoming, map scales 1:8,000 and 1:24,000.
- 28.* LOOSE, S.A., 1988, Sedimentary facies, ore mineralogy, and paragenesis of the Lake Alice Cu-Ag-Pb-Zn district in the Wyoming overthrust belt, map scales 1:12,000 and 1:480.
- 29.* MARLATT, GORDON, 1989, Geology of a Precambrian igneous/metamorphic sequence, Laramie Range, Wyoming, map scale 1:24,000.
30. MARSHALL, D.M., 1987, Structure and petrology of an Archean shear zone, Crescent Lake area, Wind River Mountains, Wyoming, map scale 1:10,000.
31. MCGEE, L.C., 1983, Laramide sedimentation, folding and faulting, southern Wind River Range, Wyoming, map scale 1:8,000.
32. MILLS, J.P., 1989, Foreland structure and karstic ground water circulation in the eastern Gros Ventre Range, Wyoming, map scale 1:48,000.
- 33.* MUELLER, R.E., 1982, The Cheyenne belt, southeastern Wyoming—Part I, descriptive geology and petrography, map scales 1:6,000 and 1:24,000.
34. MURRAY, W.B., 1984, Landslides and other mass-wasting phenomena in the Little Mountain area, southwest Wyoming, map scale 1:24,000.
35. PATCHEN, A.D., 1987, Petrology and stratigraphy of the Lake Owen layered mafic complex, southeast Wyoming, map scale 1:24,000.
- 36.* PAYLOR, E.D., II, 1983, Investigation of the surface features interpreted from remote sensing data of the Table Rock gas field, Sweetwater County, Wyoming, map scale 1:24,000.
- 37.* SCHMIDT, T.G., 1983, Precambrian metavolcanic rocks and associated volcanogenic mineral deposits of the Fletcher Park and Green Mountain areas, Sierra Madre, Wyoming, map scale 1:24,000.
- 38.* STOCK, M.D., 1981, The hydrogeology of the shallow aquifers in the vicinity of Old Woman anticline, Niobrara County, Wyoming, map scale approximately 1:165,000.
- 39.* SUNDELL, K.A., 1980, The geology of the North Fork of Owl Creek area, Absaroka Range, Hot Springs County, Wyoming, map scale 1:24,000.
- 40.* SWAUGER, D.A., 1982, Geology and structure of the Green River Lakes area, Sublette County, Wyoming, map scale 1:24,000.
41. SWIFT, P.N., 1982, Precambrian metavolcanic rocks and associated volcanogenic mineral deposits of the southwestern Sierra Madre, Wyoming, map scale 1:24,000.
- 42.* WARE, D.C., 1982, Amphibolite complex of the Blackhall Mountain area, southeastern Sierra Madre, Wyoming, map scale 1:24,000.
43. WIERSMA, U.M., 1989, Structural obstruction of recharge to the Paleozoic aquifer in the Denver-Julesburg Basin along the Laramie Range, Wyoming, map scale 1:24,000.
- 44.* WILLIAMS, W.C., 1980, Precambrian geology of the Dinwoody Lakes region, Wind River Range, Fremont County, Wyoming, map scale 1:5,000.
45. WINTERFELD, G.F., 1986, Laramide tectonism, deposition, and early Cenozoic stratigraphy of the northwestern Wind River Basin and Washakie Range, Wyoming (Ph.D.), map scale 1:24,000.
46. YONKEE, W.A., 1983, Mineralogy and structural relationships of cleavage in the Twin Creek Formation within part of the Crawford thrust sheet in Wyoming and Idaho, map scales 1:6,000, 1:4,800, and 1:2,400.

¹ Only those theses and dissertations that contain original geologic maps are compiled here.

* Denotes maps available from the Geological Survey of Wyoming.