

References

- Anderson and Kelly, Inc., 1976, Water supply study, City of Riverton, Wyoming: prepared for the City of Riverton, various pagination.
- Anderson and Kelly, Inc., 1982, Preliminary investigation for proposed geothermal development, Thermopolis, Wyoming: prepared for the Wyoming Water Development Commission, various pagination.
- Aqua Engineering, Inc., 2008, Frannie raw water Level II study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Ball, J.W., McCleskey, R.B., Nordstrom, D.K., Holloway, J.M., and Verplanck, P.L., 2002, Water-chemistry data for selected springs, geysers, and streams in Yellowstone National Park, Wyoming, 1999-2000, *with a section on Activity of thermal features of Norris Geyser Basin*, 1998, by S.A. Sturtevant: U.S. Geological Survey Open-File Report 02-382, 104 p.
- Ball, J.W., Nordstrom, D.K., Cunningham, K.M., Schoonen, M.A., Xu, Yong, and DeMonge, J.M., 1998, Water-chemistry and on-site sulfur-speciation data for selected springs in Yellowstone National Park, Wyoming, 1994-1995: U.S. Geological Survey Open-File Report 98-574, 35 p.
- Ball, J.W., Nordstrom, D.K., Jenne, E.A., and Vivit, D.V., 1998, Chemical analyses of hot springs, pools, geysers, and surface waters from Yellowstone National Park, Wyoming, and vicinity, 1974-1975: U.S. Geological Survey Open-File Report 98-182, 45 p.
- Ball, J.W., Nordstrom, D.K., McCleskey, R.B., Schoonen, M.A., and Xu, Yong, 2001, Water-chemistry and on-site sulfur-speciation data for selected springs in Yellowstone National Park, Wyoming, 1996-1998: U.S. Geological Survey Open-File Report 01-49, 42 p.
- Baptist, O.C., Smith, W.R., Cordiner, F.S., and Sweeney, S.A., 1952, Physical properties of sands in the Frontier Formation, Bighorn Basin, Wyoming, *in* Spalding, R.W., and Wold, J.S., editors, Southern Bighorn Basin, Wyoming: Wyoming Geological Association Guidebook, 7th Annual Field Conference, p 67-73.
- Bargar, K.E., 1978, Geology and thermal history of Mammoth Hot Springs, Yellowstone National Park, Wyoming: U.S. Geological Survey Bulletin 1444, 55 p.
- Bartos, T.T., Eddy-Miller, C.A., and Hallberg, L.L., 2009, Occurrence of pesticides in ground water of Wyoming, 1995–2006: U.S. Geological Survey Scientific Investigations Report 2009-5024, 72p.
- Bartos, T.T., Eddy-Miller, C.A., Norris, J.R., Gamper, M.E., and Hallberg, L.L., 2005, Water-quality characteristics of Quaternary unconsolidated-deposit aquifers and lower Tertiary aquifers of the Bighorn Basin, Wyoming and Montana, 1999-2001: U.S. Geological Survey Scientific Investigations Report 2004-5252, 155 p.
- Bartos, T.T., Quinn, T.L., Hallberg, L.L., and Eddy-Miller, C.A., 2008, Quality of shallow ground water in three areas of unsewered low-density development in Wyoming and Montana, 2001: U.S. Geological Survey Scientific Investigations Report 2008–5012, 118 p.
- Berry, Delmar.W., and Littleton, R.T., 1961, Geology and ground-water resources of the Owl Creek area, Hot Springs County, Wyoming: U.S. Geological Survey Water-Supply Paper 1519, 58 p., 2 pl. Big Horn Engineering [Worland], 1983, Final report on groundwater exploration program for Town of Greybull, Wyoming: prepared for the Wyoming Water Development Commission, various pagination.
- Blackstone, D.L., Jr., 1993, Precambrian basement map of Wyoming – Outcrop and structural configuration: Wyoming State Geological Survey [Geological Survey of Wyoming] Map Series 43 (MS-43), scale 1:1,000,000.
- Blackwelder, Eliot, 1911, A reconnaissance of the phosphate deposits in western Wyoming: U.S. Geological Survey Bulletin 470, p. 452-481.
- Blackwelder, Eliot, 1918, New geological formations in western Wyoming: Journal of the Washington Academy of Science, v. 8, p. 417-426.
- Bohn, H.L., McNeal, B.L., and O'Connor, G.A., 1985, Soil chemistry: New York, John Wiley and Sons, 341 p.
- Bown, T.M., 1975, Paleocene and lower Eocene rocks in the Sand Creek–No Water Creek area, Washakie County, Wyoming, *in* Exum, F.A., and George, G.R., eds., Geology and mineral resources of the Bighorn Basin: Wyoming Geological Association Guidebook, 27 Annual Field Conference, p. 55-61.
- Bown, T.M., 1982, Geology, paleontology, and correlation of Eocene volcaniclastic rocks, southeast Absaroka Range, Hot Springs County, Wyoming: U.S. Geological Survey Professional Paper 1201-A, 75p.
- Breckenridge, R.M., and Hinckley, B.S., 1978, Thermal springs of Wyoming: Wyoming State Geological

- Survey [Geological Survey of Wyoming] Bulletin 60 (B-60), 104 p.
- Bredehoeft, J.D., 1964, Variation of permeability in the Tensleep Sandstone in the Bighorn Basin, Wyoming, as interpreted from core analyses and geophysical logs, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 501-D, p. D166-D170.
- Bredehoeft, J.D., Belitz, K., and Sharp-Hansen, S., 1992, The hydrodynamics of the Big Horn Basin – A study of the role of faults: American Association of Petroleum Geologists Bulletin, v. 76, no. 4, p. 530-546.
- Bredehoeft, J.D., and Bennett, R.R., 1972, Potentiometric surface of the Tensleep Sandstone in the Bighorn Basin, west-central Wyoming: U.S. Geological Survey Open-File Report 72-461, scale 1:250,000.
- BRS Inc., 1995a (with Lidstone and Associates Inc. and Anderson Inc.), Black Willow water supply project, Thermopolis, Wyoming, Level I Executive summary: various pagination.
- BRS Inc., 1995b (with Lidstone and Associates Inc. and Anderson Inc.), Black Willow water supply project, Thermopolis, Wyoming, Level I Final report: prepared for the Wyoming Water Development Commission, various pagination.
- BRS Inc., 1998a (with Lidstone and Associates Inc. and Anderson Inc.), McNutt water supply project, Level II, Executive summary: various pagination.
- BRS Inc., 1998b (with Lidstone and Associates Inc. and Anderson Inc.), McNutt water supply project, Level II, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- BRS Inc., 1998c (with Lidstone and Associates Inc. and Anderson Inc.), Washakie rural water supply project, Level II, Executive summary.
- BRS Inc., 1998d (with Lidstone and Associates Inc. and Anderson Inc.), Washakie rural water supply project, Level II, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- BRS Inc., 2003a, Wind/Bighorn River Basin plan, Executive summary.
- BRS Inc., 2003b, Wind/Bighorn River Basin plan, Technical memoranda, Chapters I and II, Basin water use profile: various pagination.
- BRS, Inc, 2003c, Wind/Bighorn River Basin plan, Technical memoranda, Chapter III, Surface and groundwater availability: various pagination.
- BRS, Inc, 2003d, Wind/Bighorn River Basin plan, Technical memoranda, Chapters IV and V, Future water use; Addendum – Irrigation diversion, operation, and description: various pagination.
- BRS, Inc., 2003e, Wind/Bighorn River Basin plan, Final report: prepared for the Wyoming Water Development Commission by BRS, Inc., [BRS Engineering, Inc.], Riverton, Wyo. with MWH Americas, Inc. (Montgomery Watson Harza, Broomfield, Colo.), Lidstone and Associates, Inc. (Fort Collins, Colo.), TriHydro Corporation (Laramie, Wyo.), Donnell & Allred Inc. (Worland, Wyo.), and Water Rights Services LLC (Saratoga, Wyo.), various pagination; *and at* <http://waterplan.state.wy.us/plan/bighorn/finalrept/finalrept.html> [accessed 08-07-06]
- Buell Winter Mousel and Associates, 1982, Feasibility study for water well supply, Town of Manderson: prepared for the Wyoming Water Development Commission, 24 p.
- Buell Winter Mousel and Associates, 1983, Exploratory drilling program report for Manderson, Wyoming: prepared for the Wyoming Water Development Commission, various pagination.
- Burk, C.A., and Thomas, H.D., 1956, The Goose Egg Formation (Permo-Triassic) of eastern Wyoming: Wyoming State Geological Survey [Wyoming Geological Survey] Report of Investigations no. 6, 11p.
- Burtner, R.L., and Warner, M.A., 1984, Hydrocarbon generation in Lower Cretaceous Mowry and Skull Creek Shales of the Northern Rocky Mountain area, *in* Woodward, Jane, Meissner, F.F., and Clayton, J.L., editors, Hydrocarbon source rocks of the Greater Rocky Mountain Region: Denver, Rocky Mountain Association of Geologists, p. 449-467. [1984 RMAG Symposium.]
- Byers, C.W., and Larson, D.W., 1979, Paleoenvironments of Mowry Shale (Lower Cretaceous), western and central Wyoming: Bulletin of the American Association of Petroleum Geologists, v. 63, p. 354-375.
- Clarey, K.E., Bartos, Timothy, Copeland, D.A., Hallberg, L.L., Clark, M.L., and Thompson, M.L., 2010, Available groundwater determination [Greater Green River Basin] technical memorandum – WWDC

- Green River Basin Water Plan II, David Copeland and Meg Ewald, editors: prepared for the Wyoming Water Development Commission by the Wyoming State Geological Survey, U.S. Geological Survey, and University of Wyoming Water Resources Data System, with the Wyoming State Engineer's Office and Wyoming Oil and Gas Conservation Commission, paginated by chapter, 478 p., 8 pl.
- Cohn, T.A., 1988, Adjusted maximum likelihood estimation of the moments of lognormal population from type I censored samples: U.S. Geological Survey Open-File Report 88-350, 34 p.
- Condit, D.D., 1917, Relations of the Embar and Chugwater Formations in central Wyoming: U.S. Geological Survey Bulletin 98-O, p. 263-270.
- Condit, D.D., 1924, Phosphate deposits in the Wind River Mountains near Lander, Wyoming: U.S. Geological Survey Bulletin 764, 39 p.
- Cooley, M.E., 1984, Artesian pressures and water quality in Paleozoic aquifers in the Ten Sleep area of the Bighorn Basin, north-central Wyoming: U.S. Geological Survey Water-Resources Investigations/Open-File Report 84-621, 74 p.
- Cooley, M.E., 1986a, Artesian pressures and water quality in Paleozoic aquifers in the Ten Sleep area of the Bighorn Basin, north-central Wyoming: U.S. Geological Survey Water-Supply Paper 2289, 54 p., 5pl.
- Cooley, M.E., 1986b, Divisions of potential fracture permeability, based on distribution of structures and lineaments, in sedimentary rocks of the Rocky Mountains – High Plains Region, Western United States: U.S. Geological Survey Water Resources Investigations Report 85-4091, 1 sheet, scale 1:2,500,000.
- Cooley, M.E., and Head, W.J., 1979a, Hydrogeologic features of the alluvial deposits in the Greybull River Valley, Bighorn Basin, Wyoming: U.S. Geological Survey Water-Resources Investigations Report 79-6 (WRIR 79-6), 38 p., 2 pl.
- Cooley, M.E., and Head, W.J., 1979b, Hydrogeologic features of the alluvial deposits in the Nowood River drainage area, Bighorn Basin, Wyoming: U.S. Geological Survey Water-Resources Investigations/Open-File Report WRI-OFR 79-1291, 55 p., 2 pl.
- Cooley, M.E., and Head, W.J., 1982, Hydrologic features of the alluvial deposits in the Owl Creek valley, Bighorn Basin, Wyoming: U.S. Geological Survey Water-Resources Investigations Report 82-4007, 33 p., 2 pl.
- Cox, E.R., 1973, Water resources of Yellowstone National Park, Wyoming, Montana, and Idaho: U.S. Geological Survey Open-File Report 73-53, 161 p.; *and at* http://onlinepubs.er.usgs.gov/djvu/OFR/1973/ofr_73_53.djvu
- Cox, E.R., 1976, Water resources of northwestern Wyoming: U.S. Geological Survey Hydrologic Investigations Atlas HA-558, 3 pl., scale 1:250,000. [Supersedes Open-File Report 75-409.]
- Daddow, R.L., 1992, Ground-water and water-quality data through 1991 for selected wells and springs on the Wind River Indian Reservation, Wyoming: U.S. Geological Survey Open-File Report 92-455, 128 p., 1 pl.
- Daddow, R.L., 1996, Water resources of the Wind River Indian Reservation, Wyoming: U.S. Geological Survey Water-Resources Investigations Report 95-4223, 121 p., 4 pl.; *and at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_95_4223.djvu *and plates 1-4 at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_95_4223_plt.djvu
- Daly, Chris, and Taylor, George, 1998, Wyoming average annual precipitation, 1961-1990: PRISM Services/Oregon State University. GIS coverage.
- Dana, G.F., 1962a, Ground-water reconnaissance of the Wind River Basin report, *in* Dana, G.F., Ground-water reconnaissance study of Wyoming, Part 5: Cheyenne, Wyoming Natural Resources Board, various pagination, 2 pl., various scales.
- Dana, G.F., 1962b, Ground-water reconnaissance of the Bighorn Basin report, *in* Dana, G.F., Ground-water reconnaissance study of Wyoming, Part 6: Cheyenne, Wyoming Natural Resources Board, various pagination, 2 pl., various scales.
- Darton, N.H., 1906a, Geology of the Bighorn Mountains: U.S. Geological Survey Professional Paper 51, 129 p.; *and at* http://onlinepubs.er.usgs.gov/djvu/PP/pp_51.djvu
- Darton, N.H., 1906b, The hot springs of Thermopolis, Wyoming: *Journal of Geology*, v. 14, no. 3, p. 194-200.

- De Bruin, R.H., 2007, Oil and gas map of Wyoming: Wyoming State Geological Survey Map Series MS-55, scale 1:500,000
- Denson, N.M., 1965, Miocene and Pliocene rocks of central Wyoming, *in* Cohee, G.V., and West, W.S., Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1964: U.S. Geological Survey Bulletin 1224-A, p. A70-A77.
- Denson, N.M., and Pipiringos, G.N., 1974, Geologic map and sections showing areal distribution of Tertiary rocks near the southeastern terminus of the Wind River Range, Fremont and Sweetwater Counties, Wyoming: U.S. Geological Survey Miscellaneous Geological Investigations Map I-835, 2 pl., scale 1:48,000.
- Doremus, D.M., 1986, Groundwater circulation and water quality associated with the Madison aquifer in the northeastern Bighorn Basin, Wyoming: M.S. thesis, University of Wyoming, Laramie, 81 p.
- Dresser, H.W., 1974, Muddy Sandstone – Wind River Basin: Wyoming Geological Association Earth Science Bulletin, v. 7, p. 3-70.
- Druse, S.A., Glass, W.R., McCollam, D.A., and Peterson, D.A., 1989, Water resources data, Wyoming water year 1988: U.S. Geological Survey Water-Data Report WY-88-1, 518 p.
- Eddy-Miller, C.A., 1998a, Pesticides in ground water – Park County, Wyoming, 1997: U.S. Geological Survey Fact Sheet FS-097-98, 4 p.; *and at* <http://pubs.water.usgs.gov/fs-097-98>
- Eddy-Miller, C.A., 1998b, Pesticides in ground water – Washakie County, Wyoming, 1997-98: U.S. Geological Survey Fact Sheet FS-098-98, 4 p.; *and at* <http://pubs.water.usgs.gov/fs-098-98>
- Eddy-Miller, C.A., and Norris, J.R., 2000b, Pesticides in ground water – Fremont County, Wyoming, 1998-99: U.S. Geological Survey Fact Sheet FS-035-00, 4 p.; *and at* <http://pubs.water.usgs.gov/fs-035-00>
- Eddy-Miller, C.A., and Norris, J.R., 2001, Pesticides in ground water – Big Horn County, Wyoming, 1999-2000: U.S. Geological Survey Fact Sheet FS-124-01, 4 p.; *and at* <http://pubs.water.usgs.gov/fs-124-01>
- Eddy-Miller, C.A., and Remley, K.J., 2005, Pesticides in ground water – Hot Springs County, Wyoming, 2003-04: U.S. Geological Survey Fact Sheet 2005-3088, 4 p.; *and at* <http://pubs.water.usgs.gov/fs2005-3088>
- Egemeier, S.J., 1973, Cavern development by thermal waters with possible bearing on ore deposits: Ph.D. dissertation, Stanford University, Palo Alto, Calif., various pagination.
- Emmett, W.R., Beaver, K.W., and McCaleb, J.A., 1971, Little Buffalo Basin Tensleep heterogeneity – Its influence on drilling and secondary recovery: *Journal of Petroleum Technology*, v. 23, p. 161-168.
- Engineering Associates, 1995a, Washakie rural water supply project, Level I study, Executive summary.
- Engineering Associates, 1995b, Washakie rural water supply project, Level I study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Engineering Associates, 1998a, Town of Greybull water supply project, Level II, Executive summary.
- Engineering Associates, 1998b, Town of Greybull water supply project, Level II, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Engineering Associates, 2000a (with Wester-Wetstein and Associates), Powell master plan, Level I Study, Executive summary.
- Engineering Associates, 2000b (with Wester-Wetstein and Associates), Powell master plan, Level I study – Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Engineering Associates, 2003a, Level II study, Town of Greybull raw water supply project, Executive summary.
- Engineering Associates, 2003b, Level II Study, Town of Greybull raw water supply project, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Engineering Associates, 2003c, Level II Study, Town of Greybull raw water supply project, Environmental report, various pagination.
- Engineering Associates, 2006a, Town of Thermopolis storage and raw water, Level II study, Executive summary.
- Engineering Associates, 2006b, Town of Thermopolis storage

- and raw water, Level II study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- ESRI® Data and Maps, 2006a, U.S. major highways: Redlands, Calif., Environmental Systems Research Institute.
- ESRI® Data and Maps, 2006b, U.S. national atlas cities: Redlands, Calif., Environmental Systems Research Institute.
- Falcon Consulting Services L.L.C., 2005 (with JayHawk Water Consulting), Frannie well rehabilitation, Level II study (Kirk #1), Frannie, Wyoming, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Finn, T.M., Kirschbaum, M.A., Roberts, S.B., Condon, S.M., Roberts, L.N.R., and Johnson, R.C., 2010, Cretaceous–Tertiary composite total petroleum system (503402), Bighorn Basin, Wyoming and Montana, Chapter 3 of U.S. Geological Survey Bighorn Basin Province Assessment Team, Petroleum systems and geologic assessment of oil and gas in the Bighorn Basin Province, Wyoming and Montana: U.S. Geological Survey Digital Data Series DDS–69–V, 156 p.
- Fix, P.F., 1949, Regularity of Old Faithful Geyser, Yellowstone National Park, Wyoming: *American Journal of Science*, v. 247, no. 4, p. 246-256.
- Flores, R.M., Clark, A.C., and Keighin, C.W., 1993, Architecture of paleovalley conglomerates related to aquifer potential in the western Wind River Basin, *in* Keefer, W.R., Metzger, W.J., and Godwin, L.H., editors, Oil and gas and other resources of the Wind River Basin, Wyoming: Wyoming Geological Association Special Symposium, 1993, p. 143-162.
- Forsgren Associates, 2004a (with BRS Inc., and Lidstone and Associates, Inc.), Hot Springs Rural-Worland pipeline regional water supply project, Level II study, Executive summary.
- Forsgren Associates, 2004b (with BRS Inc., and Lidstone and Associates, Inc.), Hot Springs Rural-Worland pipeline regional water supply project Level II study, Final report: prepared for the Wyoming Water Development Commission and Big Horn Regional Joint Powers Board, various pagination.
- Fournier, R.O., Christianson, R.L., Hutchinson, R.A., and Pierce, K.L., 1994, A field-trip guide to Yellowstone National Park, Wyoming, Montana, and Idaho – Volcanic, hydrothermal, and glacial activity in the region: U.S. Geological Survey Bulletin 2099, 46 p.
- Fournier, R.O., and Morgenstern, J.C., 1971, A device for collecting down-hole water and gas samples in geothermal wells, in *Geological Survey Research 1971: U.S. Geological Survey Professional Paper 750-C*, p. C151-C155.
- Fournier, R.O., and Rowe, J.J., 1966, Estimation of underground temperatures from the silica content of water from hot springs and wet-steam wells: *American Journal of Science*, v. 264, p. 685-697.
- Fournier, R.O., and Truesdell, A.H., 1970, Chemical indicators of subsurface temperature applied to hot spring waters of Yellowstone National Park, Wyoming, U.S.A, *in* United Nations Symposium on the Development and Utilization of Geothermal Resources, Pisa, 1970: *Geothermics, Special Issue 2*, v. 2, p. 529-535.
- Fox, J.E., Lambert, P.W., Mast, F.F., Nuss, N.W., and Rein, R.D., 1975, Porosity variation in the Tensleep and is equivalent in the Weber Sandstone, western Wyoming – A log and petrographic analysis, *in* Bolyard, D.W., editor, Deep drilling frontiers of the central Rocky Mountains: Denver, Rocky Mountain Association of Geologists Guidebook, p. 185-216.
- Friedman, Irving, and Norton, D.R., 1982, Continuous monitoring of thermal activity in Yellowstone National Park, *in* Reid, S.G., and Foote, D.J., editors, *Geology of Yellowstone Park area: Wyoming Geological Association Guidebook, 33rd Annual Field Conference*, 1982, p. 161.
- Friedman, Irving, and Norton, D.R., 1990, Anomalous chloride flux discharges from Yellowstone National Park: *Journal of Volcanology and Geothermal Research*, v. 42, p. 225-234.
- Gingerich, P.D., 1983, Paleocene-Eocene faunal zones and a preliminary analysis of Laramide structural deformation in the Clarks Fork Basin, *in* Boberg, W.W., editor, *Geology of the Bighorn Basin: Wyoming Geological Association Guidebook, 34th Annual Field Conference*, p. 185-195.
- Gooch, F.A., and Whitfield, J.E., 1888, Analyses of waters of the Yellowstone National Park, with an account of the methods of analysis employed: U.S. Geological Survey Bulletin 47, 84 p.

- Graham, Dietz & Associates, 1994a (with Wester-Wetstein & Associates, Inc.), Manderson Level II water supply study, Executive summary, various pagination.
- Graham, Dietz & Associates, 1994b (with Wester-Wetstein & Associates, Inc.), Manderson Level II water supply study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Graham, Dietz & Associates, 1994c (with Wester-Wetstein & Associates, Inc.), Manderson Level II water supply study, Appendix: prepared for the Wyoming Water Development Commission, various pagination.
- Hamerlinck, J.D., and Arneson, C.S., editors, 1998, Wyoming ground water vulnerability assessment handbook, Volume 1 – Background, model development, and aquifer sensitivity analysis: Laramie, University of Wyoming, Spatial Data and Visualization Center Publication SDVC 98-01-1.
- Harris, R.E., 2004, Industrial minerals and construction materials map of Wyoming: Wyoming State Geological Survey Map Series 47, scale 1:500,000.
- Haun, J.D., 1984, Pressure analysis in petroleum exploration – Examples from North America: 27th International Geological Congress Proceedings, p. 100.
- Heasler, H.P., and Hinckley, B.S., 1985, Geothermal resources of the Bighorn Basin, Wyoming: Wyoming State Geological Survey [Geological Survey of Wyoming] Report of Investigations No. 29 (RI-29), 28 p., 4 pl.
- Heath, R.C., 1983 (revised 2004), Basic ground-water hydrology: U.S. Geological Survey Water-Supply Paper 2220, 86 p.
- Helsel, D.R., and Cohn, T.A., 1988, Estimation of descriptive statistics for multiply censored water quality data: Water Resources Research, v. 24, p. 1997-2004.
- Helsel, D.R., and Hirsch, R.M., 1992, Statistical methods in water resources: Amsterdam, Elsevier, 529 p.; and as Chapter A3 in Techniques of water-resource investigations of the United States Geological Survey, Book 4, Hydrologic analysis and interpretation: U.S. Geological Survey, 510 p.
- Hem, J.D., 1989, Study and interpretation of the chemical characteristics of natural water (3rd ed.): U.S. Geological Survey Water-Supply Paper 2254, 263 p.
- Hewett, D.F., 1926, Geology and oil and coal resources of the Oregon Basin, Meeteetse, and Grass Creek Basin quadrangles, Wyoming: U.S. Geological Survey Professional Paper 145, 107 p.
- Hickey, L.J., 1980, Paleocene stratigraphy and flora of the Clarks Fork Basin, in Gingerich, P.D., editor, Early Cenozoic paleontology and stratigraphy of the Bighorn Basin, Wyoming: University of Michigan Papers on Paleontology No. 24, p. 33-50.
- Hinckley, B.S., and Heasler, H.P., 1987, Geothermal resources of the Wind River Basin, Wyoming: Wyoming State Geological Survey [Geological Survey of Wyoming] Report of Investigations No. 38 (RI-38), 30 p.
- Hinckley, B.S., Heasler, H.P., and King, J.K., 1982a, The Thermopolis hydrothermal system, with an analysis of Hot Springs State Park: Wyoming State Geological Survey [Geological Survey of Wyoming] Preliminary Report no. 20, 42 p.
- Hinckley, B.S., Heasler, H.P., and King, J.K., 1982b, Thermal, chemical, and hydrological data for the Thermopolis hydrothermal system – Background data for the Geological Survey of Wyoming Preliminary Report no. 20 [1982]: Wyoming State Geological Survey [Geological Survey of Wyoming] Open-File Report no. 82-3, 22p.
- Hogle, D. G., and Jones, R.W., 1992, Subsurface geology of Upper Cretaceous and lower Tertiary coal-bearing rocks, Wind River Basin, Wyoming: Wyoming State Geological Survey Reprint 53, 35p.
- Horn, G.H., 1963, Geology of the east Thermopolis area, Hot Springs and Washakie counties, Wyoming: U.S. Geological Survey Oil and Gas Investigations Map OM-213, scale 1:48,000.
- Huntoon, P.W., 1976, Permeability and groundwater circulation in the Madison aquifer along the eastern flank of the Bighorn Mountains of Wyoming, in Laudon, R.B., Curry, W.H., III, and Runge, J.S., editors, Geology and energy resources of the Powder River Basin: Wyoming Geological Association Guidebook, 28th Annual Field Conference, p. 283-290.
- Huntoon, P.W., 1985a, Fault severed aquifers along the perimeters of Wyoming artesian basins: Groundwater, v.23, no. 2, p. 176-181.
- Huntoon, P.W., 1985b, Rejection of recharge water from Madison aquifer along eastern perimeter of Bighorn

- artesian basin, Wyoming: *Groundwater*, v. 23, no. 3, p. 345-353.
- Huntoon, P.W., 1985c, Gradient controlled caves, Trapper-Medicine Lodge area, Bighorn Basin, Wyoming: *Groundwater*, v. 23, no. 4, p. 443-448.
- Huntoon, P.W., 1993, The influence of Laramide foreland structures on modern ground-water circulation in Wyoming artesian basins, *in* Snoke, A. W., Steitdmann, J.R., and Roberts, S.M., editors, *Geology of Wyoming*, v. 2: Wyoming State Geological Survey [Geological Survey of Wyoming] Memoir no. 5, p. 757-789.
- James Gores and Associates, P.C., 1998a, Riverton regional water master plan, Level I, Executive summary.
- James Gores and Associates, P.C., 1998b (with TST, Inc. and Wester-Wetstein and Associates), Riverton Regional water master plan, Level I, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- James Gores and Associates, P.C., 1999a, Dubois area water master plan, Level I, Executive summary: various pagination.
- James Gores and Associates, P.C., 1999b, Dubois area water master plan, Level I, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- James Gores and Associates, P.C., 2009a, Town of Hudson water supply, Level II study, Executive summary: various pagination.
- James Gores and Associates, P.C., 2009b (with Wester-Wetstein and Associates, TST, and Hinkley Consulting), Town of Hudson water supply Level II study, Final report: prepared for the Wyoming Water Development Commission: various pagination.
- Jarvis, W.T., 1986, Regional hydrogeology of the Paleozoic aquifer system, southeastern Bighorn Basin, Wyoming, with an impact analysis on Hot Springs State Park: M.S. thesis, University of Wyoming, Laramie, 227 p., 7 pl. [includes Spencer, 1986b]
- JFC Engineers/Surveyors, 1996a, Lander water supply master plan, Level I report: various pagination.
- JFC Engineers/Surveyors, 1996b, Lander water supply master plan, Level I report, Appendix: various pagination.
- John W. Donnell and Associates, 1982, Feasibility study on supplementary groundwater supply for Town of Greybull, Wyoming: prepared for the Town of Greybull, various pagination.
- Johnson, R.C., Finn, T.M., Keefer, W.R., and Szmajter, R.J., 1996, Geology of upper Cretaceous and Paleocene gas-bearing rocks, Wind River Basin, Wyoming: U.S. Geological Survey Open-File Report 96-090, 120 p.
- Johnson, R.C., Finn, T.M., Kirschbaum, M.A., Roberts, S.B., Roberts, L.N.R., Cook, Troy, and Taylor, D.J., 2007, The Cretaceous-lower Tertiary composite total petroleum system, Wind River Basin, Wyoming, *in* U.S. Geological Survey Wind River Basin Province assessment team, Petroleum systems and geologic assessment of oil and gas in the Wind River Basin Province, Wyoming: U.S. Geological Survey Digital Data Series DDS-69-J, ch. 4, 96 p.
- Johnson, R.C., Keefer, W.R., Keighen, C.W., and Finn, T.M., 1998, Detailed outcrop studies of the upper part of the Upper Cretaceous Cody Shale and the Upper Cretaceous Mesaverde, Meeteetse, and Lance Formations, Bighorn Basin, Wyoming, *in* Keefer, W.R., and Goolsby, J.E., editors, *Cretaceous and lower Tertiary rocks of the Bighorn Basin, Wyoming and Montana: Wyoming Geological Association Guidebook, 49th Annual Field Conference*, p. 59-78, 2 pl.
- Jorgenson Engineering and Land Surveying, 1993a (with Hinckley Consulting, and Hydrokinetics, Inc.), Upper Little Warm Springs water supply project, Level II study report, Executive summary.
- Jorgenson Engineering and Land Surveying, 1993b (with Hinckley Consulting, and Hydrokinetics, Inc.), Upper Little Warm Springs water supply project, Level II study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Jorgenson Engineering and Land Surveying, 1995 (with Hinckley Consulting, and Hydrokinetics, Inc.), Final report, Level II (Phase III) study, Upper Little Warm Springs water supply project: prepared for the Wyoming Water Development Commission, various pagination.
- Keefer, W.R., 1957, Geology of the Du Noir area, Fremont County, Wyoming: U.S. Geological Survey Professional Paper 294-E, p. 155-221.
- Keefer, W.R., 1961a, Waltman Shale and Shotgun Members

- of the Fort Union Formation (Paleocene) in the Wind River Basin, Wyoming: *Bulletin of the American Association of Petroleum Geologists*, v. 45, p. 1310-1323.
- Keefer, W.R., 1961b, The Meeteetse, Lance, and Fort Union Formations, southern Wind River Basin, Wyoming, *in* Wolwoth, G.J., Hale, L.A., Randall, A.G., and Garrison, Louis, editors, *Symposium on Late Cretaceous rocks: Wyoming Geological Association Guidebook, 16th Annual Field Conference*, p. 180-186.
- Keefer, W.R., 1965, Stratigraphy and geologic history of the uppermost Cretaceous, Paleocene, and lower Eocene rocks in the Wind River Basin, Wyoming: U.S. Geological Survey Professional Paper 495-A, 77 p.
- Keefer, W.R., 1969, General stratigraphy and depositional history of the Fort Union, Indian Meadows, and Wind River Formations, Wind River Basin, Wyoming, *in* Barlow, J.A., et al., editors, *Symposium on Tertiary rocks of Wyoming: Wyoming Geological Association Guidebook, 21st Annual Field Conference*, p. 19-28.
- Keefer, W.R., 1970, Structural geology of the Wind River Basin, Wyoming: U.S. Geological Survey Professional Paper 495-D, 35 p.
- Keefer, W.R., 1971, The geologic story of Yellowstone National Park: U.S. Geological Survey Bulletin 1347, 92 p.; *and at* http://onlinepubs.er.usgs.gov/djvu/B/bull_1347.djvu
- Keefer, W.R., 1997, Stratigraphy and correlation of Cretaceous and Paleocene rocks, northern Wind River Basin, Wyoming: U.S. Geological Survey Oil and Gas Investigations Chart OC-146-A, 2 pl., scale 1:990,000.
- Keefer, W.R., Finn, T.M., Johnson, R.C., and Keighin, C.W., 1998, Regional stratigraphy and correlation of Cretaceous and Paleocene rocks, Bighorn Basin, Wyoming and Montana, *in* Keefer, W.R., and Goolsby, J.E., eds., *Cretaceous and lower Tertiary rocks of the Bighorn Basin, Wyoming and Montana: Wyoming Geological Association Guidebook, 49th Annual Field Conference*, p. 1-30.
- Keefer, W.R., and Van Lieu, J.A., 1966, Paleozoic formations in the Wind River Basin, Wyoming: U.S. Geological Survey Professional Paper 495-B, 60p.
- Keller Associates, 2008a, Riverton Mountain View Acres Level II study, Executive summary: various pagination.
- Keller Associates, 2008b, Riverton Mountain View Acres Level II study: prepared for the Wyoming Water Development Commission, various pagination.
- Kraus, M.J., 2001, Sedimentology and depositional setting of the Willwood Formation in the Bighorn and Clarks Fork Basins, *in* Gingerich, P.D., ed., *Paleocene–Eocene stratigraphy and biotic change in the Bighorn and Clarks Fork Basins, Wyoming: University of Michigan Papers on Paleontology*, v. 33, p. 15-28.
- Lawson, D.E., and Smith, J.R., 1966, Pennsylvanian and Permian influence on Tensleep oil accumulation, Bighorn Basin, Wyoming: *Bulletin of the American Association of Petroleum Geologists*, v. 50, p. 2197-2220.
- Libra, Robert, Doremus, Dale, and Goodwin, Craig, 1981, Occurrence and characteristics of ground water in the Bighorn Basin, Wyoming: prepared for the U.S. Environmental Protection Agency under Contract Number G-008269-79 by Water Resources Research Institute, University of Wyoming, Laramie, Vol. II-A, 114p., and Vol. II-B, pl.
- Lidstone and Associates, Inc., 2002a (with BRS, Inc.), Town of Hyattville water supply project, Level I master plan report: prepared for the Wyoming Water Development Commission, various pagination.
- Lidstone and Associates, Inc., 2002b (with BRS, Inc.), Town of Ten Sleep water supply project, Level I master plan report: prepared for the Wyoming Water Development Commission, various pagination.
- Lidstone and Associates, Inc., 2003, Available ground water determination technical memorandum, Tab 17 of Wind/Bighorn River Basin water plan technical memoranda: prepared for the Wyoming Water Development Commission, 48 p. incl. App. A, appendix containing 14 Pls. and Tabs.
- Lidstone and Associates, Inc, 2004a, Town of Ten Sleep water supply project, Level II report, Executive summary, various pagination.
- Lidstone and Associates, Inc, 2004b, Town of Ten Sleep water supply project, Level II, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Lidstone and Associates, Inc, 2007, Gooseberry Creek storage, Level II study, Final report: prepared for the Wyoming Water Development Commission, various pagination.

- Lidstone and Associates, Inc., 2008a, Shoshone ground water development, Level II report, Executive summary: various pagination.
- Lidstone and Associates, Inc., 2008b, Shoshone ground water development, Level II report: prepared for the Wyoming Water Development Commission, various pagination.
- Lohman, S.W., 1972, Definitions of selected ground-water terms – Revisions and conceptual refinements: U.S. Geological Survey Water-Supply Paper 1988, 21 p.
- Love, J.D., 1937, Buried mountain range in northwestern Wyoming [Abstract] Geological Society of America Proceedings 1936, p. 87-88.
- Love, J.D., 1939, Geology along the southern margin of the Absaroka Range, Wyoming: Geological Society of America Special Paper no. 20, 134 p.
- Love, J.D., 1961, Split Rock Formation (Miocene) and Moonstone Formation (Pliocene) in central Wyoming: U.S. Geological Survey Bulletin 1121-I, 37 p.
- Love, J.D., and Christiansen, A.C., compilers, 1985, Geologic map of Wyoming: U.S. Geological Survey map and explanation, scale 1:500,000, 3 sheets.
- Love, J.D., Christiansen, A.C., and Ver Ploeg, A.J., compilers, 1993, Stratigraphic chart showing Phanerozoic nomenclature for the State of Wyoming: Wyoming State Geological Survey [Geological Survey of Wyoming] Map Series MS-41.
- Lowry, M.E., and Gordon, E.D., 1964, Ground-water investigations in Yellowstone National Park, October 1960 to October 1963: U.S. Geological Survey Open-File Report 64-105, 39 p.; *and at* http://onlinepubs.er.usgs.gov/djvu/OFR/1964/ofr_64_105.djvu
- Lowry, M.E., Lowham, H.W., and Lines, G.C., 1976, Water resources of the Bighorn Basin, northwestern Wyoming: U.S. Geological Survey Hydrologic Investigations Atlas HA-512, 2 pl., scale 1:250,000 and 1: 500,000.
- Lowry, M.E., Smalley, M.L., et al., 1993, Hydrology of Park County, Wyoming, exclusive of Yellowstone National Park: U.S. Geological Survey Water-Resources Investigations Report 93-4183, 67 p., 1 pl., *and at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_93_4183.djvu Separate plate 1 *at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_93_4183_plt.djvu
- Mackin, J.H., 1937, Erosional history of the Bighorn Basin, Wyoming: Geological Society of America Bulletin, v. 38, p. 813-893.
- Mackin, J.H., 1947, Altitude and local relief of the Bighorn area during the Cenozoic: University of Wyoming, Wyoming Geological Association, and Yellowstone-Bighorn Research Association Guidebook, Field Conference in the Bighorn Basin, p. 103-120.
- Mancini, Anthony J., 1977, Riverton Project – A review of available geologic and hydrologic information directed towards an investigation of groundwater availability in the Riverton area, Fremont County, Wyoming: prepared for the Wyoming Water Development Commission, 37 p.
- Marler, G.D., 1964, Effects of the Hebgen Lake earthquake of August 17, 1959 on the hot springs of the Firehole Geyser Basins, Yellowstone National Park, chap. Q of *The Hebgen Lake, Montana, earthquake of August 17, 1959*: U.S. Geological Survey Professional Paper 435, p. 185-197.
- Marler, G.D., and White, D.E., 1975, Seismic Geyser and its bearing on the origin of geysers and hot springs of Yellowstone National Park: Geological Society of America Bulletin, v. 86, p. 749-759.
- McGreevy, L.J., Hodson, W.G., and Rucker, S.J., IV, 1969, Ground-water resources of the Wind River Indian Reservation, Wyoming: U.S. Geological Survey Water-Supply Paper 1576-I, 145 p., 3 pl; Report, with pl. 1 and 3, *at* http://onlinepubs.er.usgs.gov/djvu/WSP/wsp_1576-I.djvu Separate plates 1-3 *at* http://onlinepubs.er.usgs.gov/djvu/WSP/wsp_1576-i_plt.djvu
- McKelvey, V.E., Williams, J.S., Sheldon, R.P., Cressman, E.R., Cheney, T.M., and Swanson, R.W., 1956, Summary description of Phosphoria, Park City, and Shedhorn Formations in western phosphate field: Bulletin of the American Association of Petroleum Geologists, v. 40, p. 2826-2863.
- McLellan, J., 1988, Geohydrologic investigation report of a new well for the Town of Burlington, Wyoming: prepared for Forsgren Associates, various pagination.
- Montana Bureau of Mines and Geology, Montana GIS Clearinghouse, Montana groundwater wells in Bighorn Basin: [digital data] *at* <http://nris.mt.gov/gis/>
- Montana Department of Administration, 2008, Montana

- counties vector digital data [GIS data] at <http://giscoordination.mt.gov/data.asp#Cadastral>, [accessed August 2008]
- Moore, D.A., 1961, Isopachous map, Fort Union Formation, Bighorn Basin, *in* Wilroth, G.J., Hale, L.A., Randall, A.G., and Garrison, Louis, editors, Symposium on Late Cretaceous rocks, Wyoming and adjacent areas: Wyoming Geological Association Guidebook, 16th Annual Field Conference, p. 200-204.
- Moore, D.A., 1984, The Tensleep Formation of the southeastern Bighorn Basin, Wyoming, *in* Goolsby, J.E., and Morton, Doug, editors, The Permian and Pennsylvanian geology of Wyoming: Wyoming Geological Association Guidebook, 35th Annual Field Conference, p. 273-279.
- Morey, G.W., Fournier, R.O., Hemley, J.J., and Rowe, J.R., 1961, Field measurements of silica in water from hot springs and geysers in Yellowstone National Park, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-C, p. C333-C336.
- Morris, D.A., Hackett, O.M., Vanlier, K.E., and Moulder, E.A., 1959, Ground-water resources of Riverton irrigation project area, Wyoming, *with a section on* Chemical quality of ground water, by W.H. Durum: U.S. Geological Survey Water-Supply Paper 1375, 205 p., 3 pl.; *and at* http://onlinepubs.er.usgs.gov/djvu/WSP/wsp_1375.djvu
- Morrison-Mairle, Inc, 1985, Report on Phase I feasibility study and Phase II groundwater exploration drilling program, Town of Hudson, Fremont County, Wyoming: prepared for the Wyoming Water Development Commission, various pagination.
- Morrison-Mairle, Inc, 1986, Final Report, Shell Valley deep well project, with results of aquifer tests for Shell Valley watershed supply project: prepared for the Wyoming Water Development Commission, various pagination.
- Moss, J.H., and Bonini, W.E., 1961, Seismic evidence supporting a new interpretation of the Cody terrace near Cody, Wyoming: Geological Society of America Bulletin, v. 72, p. 547-555.
- MWH Americas, Inc., 2010, [with Short Elliot Hendrickson, Inc. and Harvey Economics], Wind-Bighorn Basin Plan update: report prepared for the Wyoming Water Development Commission, 201 p.
- Neasham, J.N., and Vondra, C.F., 1972, Stratigraphy and petrology of the lower Eocene Willwood Formation, Bighorn Basin, Wyoming: Geological Society of America Bulletin, v. 83, p. 2167-2180.
- Nelson Engineering, 1992, Town of Dubois groundwater exploration program, Final Report: prepared for the Wyoming Water Development Commission, various pagination.
- Nelson Engineering, 1995a, Greybull water supply project, Level II, Executive summary.
- Nelson Engineering, 1995b, Greybull water supply project, Level II, Final design report: prepared for the Wyoming Water Development Commission, various pagination.
- Nelson Engineering, 1997a, Greybull water supply project, Level II, Phases II and III, Exploration well and conceptual design, Executive summary.
- Nelson Engineering, 1997b, Greybull water supply project, Level II, Phases II and III, Exploration well and conceptual design, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Nelson Engineering, 1998a, Lander water supply project, Level II, Phase II report, Executive summary.
- Nelson Engineering, 1998b, Lander water supply project, Level II, Phase II report: prepared for the Wyoming Water Development Commission, various pagination.
- Nelson Engineering, 1999a, Lander water supply project, Level II, Phase III, Executive summary.
- Nelson Engineering, 1999b, Lander water supply project, Level II, Phase III, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Nelson Engineering, 2000a, Riverton water supply project, Level II, Phase I, Executive summary.
- Nelson Engineering, 2000b, Riverton water supply project, Level II, Phase I, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Nelson Engineering, 2004a, Owl Creek master plan, Level I, Executive summary.
- Nelson Engineering, 2004b, Owl Creek master plan, Level I, Final report: prepared for the Wyoming Water Development Commission, various pagination.

- Nixon, R.P., 1973, Oil source beds in Cretaceous Mowry Shale of northwestern interior United States: *Bulletin of the American Association of Petroleum Geologists*, v. 57, p. 136-161.
- Nuccio, V.F., and Finn, T.M., 1998, Thermal maturity and petroleum generation history of Cretaceous and Tertiary source rocks, Bighorn Basin, Wyoming and Montana, *in* Keefer, W.R., and Goolsby, J.E., editors, Cretaceous and lower Tertiary rocks of the Bighorn Basin, Wyoming and Montana: Wyoming Geological Association Guidebook, Forty-ninth, p. 211-231.
- Palmquist, R.C., 1978, Ash-dated terrace sequences in the eastern portion of the Bighorn Basin, Wyoming [abstract]: *Geological Society of America Abstracts with Programs*, v. 10, p. 467.
- Palmquist, R.C., 1979, Estimated ages of Quaternary terraces, northwestern Wyoming [abstract]: *Geological Society of America Abstracts with Programs*, v. 11, no. 7, p. 491.
- Palmquist, R.C., 1983, Terrace chronologies in the Bighorn Basin, Wyoming, *in* Boberg, W.W., editor, *Geology of the Bighorn Basin: Wyoming Geological Association Guidebook, 34th Annual Field Conference*, p. 217-231.
- Parker, S.E., 1986, Isopachous map of the uppermost Cretaceous Lance Formation, Bighorn Basin, Wyoming: Wyoming State Geological Survey Open File Report OFR 86-7, scale 1:250,000.
- Parker, S.E., and Jones, R.W., 1986, Isopachous map of the Tertiary overburden above the latest Cretaceous Lance Formation, Bighorn Basin, Wyoming: Wyoming State Geological Survey Open File Report OFR 86-8, scale 1:250,000.
- Paull, R.A., 1962, Depositional history of the Muddy Sandstone, Bighorn Basin, Wyoming, *in* Enyert, R.L., and Curry, W.H., III, editors, *Symposium on Early Cretaceous rocks of Wyoming and adjacent areas: Wyoming Geological Association Guidebook, 17th Annual Field Conference*, p. 217-231.
- Pearson, F.J., Jr., and Truesdell, A.H., 1978, Tritium in the waters of Yellowstone National Park, Wyoming, *in* Zartman, R.E., editor, *Fourth International Conference on Geochronology, Cosmochronology, and Isotope Geology, 1978: U.S. Geological Survey Open-File Report 78-701*, p. 327-329.
- Peterson, D.A., Mora, K.L., Lowry, M.E., Rankl, J.G., Wilson, J.F., Jr., Lowham, H.W., and Ringen, B.H., 1987, Hydrology of Area 51, Northern Great Plains and Rocky Mountain Coal Provinces, Wyoming and Montana: U.S. Geological Survey Water-Resources Investigations/Open-File Report 84-734 (WRI-OFR 84-734), 73 p.; *and at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_84_734.djvu
- Pierce, W.G., 1948, Geologic and structure contour map of the Basin-Greybull area, Bighorn County, Wyoming: U.S. Geological Survey Oil and Gas Investigations Preliminary Map OM-77, scale 1: 48,000.
- Plafcan, Maria, Cassidy, E.W., and Smalley, M.L., 1993, Water resources of Big Horn County, Wyoming, *with a section on* Water-right administration, by R.G. Stockdale: U.S. Geological Survey Water-Resources Investigations Report 93-4021, 142 p., 2 pl.; *and report at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_93_4021.djvu *and plate 2 at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_93_4021_plt.djvu [Plate 1 (geologic map) not yet online.]
- Plafcan, Maria, Eddy-Miller, C.A. Ritz, G.F., and Holland, J.P.R., II, 1995, Water resources of Fremont County, Wyoming, *with a section on* Water-right administration, by R.G. Stockdale: U.S. Geological Survey Water-Resources Investigations Report 95-4095, 133 p., 3 pl.; *and report at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_95_4095.djvu *and plate 1 (geologic map) at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_95_4095_plt.djvu [Plates 2 and 3 not yet online.]
- Plafcan, Maria, and Ogle, K.M., 1994, Water resources of Hot Springs County, Wyoming, *with a section on* Water-right administration, by R.G. Stockdale: U.S. Geological Survey Water-Resources Investigations Report 93-4141, 90 p., 2 pl.; *and report at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_93_4141.djvu *and plate 2 at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_93_4141_plt.djvu [Plate 1 (geologic map) not yet online.]
- Poland, J.F., Lofgren, B.E., and Riley, F.S., 1972, Glossary of selected terms useful in studies of the mechanics of aquifer systems and land subsidence due to fluid withdrawal: U.S. Geological Survey Water-Supply Paper 2025, 9 p.
- Premier Data Services, 2003-2008, Wyoming PLSS data, http://www.blm.gov/wy/st/en/resources/public_

room/gis/datagis/county/gcdb.html, [accessed December 2008]

- Raines, G.L., and Johnson, B.R., 1996, (with the U.S. Forest Service and Bureau of Land Management), Digital representation of the Montana state geologic map – A contribution to the Interior Columbia River Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-691, digital data, text 19 p.
- Reheis, M.C., 1982, Age and climatic control of soil development on Quaternary deposits, south-central Montana [abstract]: Geological Society of America Abstracts with Programs, v. 14, no. 7, p. 597.
- Richter, H.R., Jr., 1981, Occurrence and characteristics of ground water in the Wind River Basin, Wyoming – Volume IV of a series of reports prepared for the U.S. Environmental Protection Agency: Laramie, University of Wyoming Water Resources Research Institute, vol. IV-A, 149 p., and vol. IV-B, pl.
- Ritter, D.F., 1967, Terrace development along the front of the Bearthooth Mountains, southern Montana: Geological Society of America Bulletin, v. 78, p. 467-484.
- Ritter, D.F., 1975, New information concerning the geomorphic evolution of the Bighorn Basin, *in* Exum, F.A., and George, G.R., editors, Geology and mineral resources of the Bighorn Basin: Wyoming Geological Association Guidebook, 27th Annual Field Conference, p. 37-44.
- Ritter, D.F., and Kauffman, M.E., 1983 Terrace development in the Shoshone River valley near Powell, Wyoming and speculations concerning the sub-Powell terrace, *in* Boberg, W.W., editor, Geology of the Bighorn Basin: Wyoming Geological Association Guidebook, 34th Annual Field Conference, p. 197-203.
- Roberts, S.B., 1998, An overview of the stratigraphic and sedimentologic characteristics of the Paleocene Fort Union Formation, southern Bighorn Basin, Wyoming, *in* Keefer, W.R., and Goolsby, J.E., editors, Cretaceous and lower Tertiary rocks of the Bighorn Basin, Wyoming and Montana: Wyoming Geological Association Guidebook, 49th Annual Field Conference, p. 91-116.
- Robinove, C.J., 1958a, Availability of ground water in the vicinity of Iron Mountain, Fremont County, Wyoming: U.S. Geological Survey Open-File Report 58-85, 8 p.
- Robinove, C.J., 1958b, Memorandum on artesian wells south of Riverton, Wyo.: U.S. Geological Survey Open-File Report 58-86, 7 p.
- Robinove, C.J., and Langford, R.H., 1963, Geology and ground-water resources of the Greybull River-Dry Creek area, Wyoming: U.S. Geological Survey Water-Supply Paper 1596, 88 p., 4 pl., [(pl. 1-3) scale 1:63,360, (pl. 4) scale 1:126,720]
- Rogers, C.P., Jr., Richards, P.W., Conant, L.C., Vine, J.D., and Notley, D.F., 1948, Geology of the Worland-Hyattville area, Big Horn and Washakie counties, Wyoming: U.S. Geological Survey Oil and Gas Preliminary Investigations Map OM-84, scale 1:48,000.
- Rowe, J.J., Fournier, R.O., and Morey, G.W., 1965, Use of sodium iodide to trace underground water circulation in the hot springs and geysers of the Daisie Geyser Group, Yellowstone National Park, *in* Geological Survey Research 1965: U.S. Geological Survey Professional Paper 525-B, p. B184-B186.
- Rowe, J.J., Fournier, R.O., and Morey, G.W., 1973, Chemical analysis of thermal waters in Yellowstone National Park, Wyoming, 1960-65: U.S. Geological Survey Bulletin 1303, 31 p.
- Rye, R.O., and Truesdell, A.H., 1993, The question of recharge to the geysers and hot springs of Yellowstone National Park: U.S. Geological Survey Open-File Report 93-384, 40 p.
- Schlundt, Herman, and Moore, R.B., 1909, Radioactivity of the thermal waters of Yellowstone National Park: U.S. Geological Survey Bulletin 395, 35 p.
- Shanley, K.W., Cluff, R.M., and Robinson, J.W., 2004, Factors controlling prolific gas production from low-permeability sandstone reservoirs – Implications for resource assessment, prospect development, and risk analysis: AAPG Bulletin v. 88, no. 8 p. 1083-1121.
- Sheldon, R.P., 1963, Physical stratigraphy and mineral resources of Permian rocks in western Wyoming: U.S. Geological Survey Professional Paper 313-B, 273 p.
- Slagle, S.E., and others, 1986, Hydrology of Area 48, Northern Great Plains and Rocky Mountain Coal Provinces, Montana and Wyoming: U.S. Geological Survey Water-Resources Investigations/Open-File Report (WRI-OFR) 84-141, 91 p. [*Clarks Fork River basin*]

- Snoke, A.W., 1993, Geologic history of Wyoming within the tectonic framework of the North American Cordillera, *in* Snoke, A.W., Steidtmann, J.R., and Roberts, S.M., editors, *Geology of Wyoming: Wyoming State Geological Survey [Geological Survey of Wyoming] Memoir No. 5*, p. 2-56.
- Spatial Analysis Center, Yellowstone National Park, 1995 (unpublished), Yellowstone National Park boundary: [digital data] *at* <http://www.nps.gov/yell/technical/gis>
- Spatial Data and Visualization Center, 1993, County boundaries for Wyoming at 1:100,000 scale, *at* <http://www.uwyo.edu/wygisc/>[accessed 2008]
- Spencer, S.A., 1986a, Groundwater movement in the Paleozoic rocks and impact of petroleum production on water levels in the southwestern Bighorn Basin, Wyoming: M.S. thesis, University of Wyoming, Laramie, 165 p., 7 pl.
- Spencer, S.A., 1986b, Appendices A-H, Data supplement containing the tabular appendices for Jarvis, 1986, and Spencer, 1986a: M.S. theses, University of Wyoming, Laramie, Wyoming, supplement to Jarvis, 1986 and Spencer 1986a M.S. theses, 66 p.
- Stafford, J.E., and Gracias, Tomas, 2009, Surface water resource map of Wyoming – Streamflow and storage: Wyoming State Geological Survey Map Series 91, scale 1:500,000.
- Stauffer, R.E., Jenne, E.A., and Ball, J.W., 1980, Chemical studies of selected trace elements in hot-spring drainages of Yellowstone National Park: U.S. Geological Survey Professional Paper 1044-F, 20 p.
- Stauffer, R.E., and Thompson, J.M., 1978, Phosphorus in hydrothermal waters of Yellowstone National Park, Wyoming: *Journal of Research of the U.S. Geological Survey*, v. 6, no. 6, p. 755-763.
- Stauffer, R.E., and Thompson, J.M., 1984, Arsenic and antimony in geothermal waters of Yellowstone National Park, Wyoming, USA: *Geochimica et Cosmochimica Acta*, v. 48, p. 2547-2561.
- Stearns, N.D., Stearns, H.Y., and Waring, G.A., 1937, Thermal springs in the United States: U.S. Geological Survey Water-Supply Paper 679-B, p. 59-206. [*Wyoming springs discussed on p. 83-86, 189-191; bibliography, p. 110-112. A few reports listed contain only brief mention of springs in northwestern Wyoming; those reports are not included in this bibliography of reports about Wyoming water resources.*]
- Stetson Engineering, Inc., 2004 (with Western Groundwater Services, LLC), Town of Dubois Water Supply Level II Study, Final Report: prepared for the Wyoming Water Development Commission, various pagination.
- Stetson Engineering, Inc., 2006a, Lysite water supply Level I study, Executive summary: various pagination.
- Stetson Engineering, Inc., 2006b (with Western Groundwater Services, LLC), Lysite water supply Level I study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Stetson Engineering, Inc., 2007a, Dubois water supply extended Level II Study, Executive summary, various pagination.
- Stetson Engineering, Inc., 2007b (with Western Groundwater Services, LLC), Dubois test well drilling project, Dubois water supply extended Level II study: prepared for the Wyoming Water Development Commission, various pagination.
- Stetson Engineering, Inc., 2008a, Lysite water supply Level II study, Executive summary: various pagination.
- Stetson Engineering, Inc., 2008b (with Western Groundwater Services, LLC), Lysite water supply Level II study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Stoeser D.B., Green, G.N., et al., 2005, Preliminary integrated geologic map database for the United States central states...: U.S. Geological Survey Open-File Report 2005-1351, version 1.2, updated December 2007, digital data. [Includes Wyoming and Montana at scale 1:500,000.]
- Stone, D.S., 1967, Theory of Paleozoic oil and gas accumulation in Bighorn Basin, Wyoming: *Bulletin of the American Association of Petroleum Geologists*, v. 51, no. 10, p. 2056-2114.
- Stone, D.S., 2004, Rio thrusting, multi-stage migration, and formation of vertically segregated Paleozoic oil pools at Torchlight Field on the Greybull Platform (eastern Bighorn Basin); implication for exploration: *Mountain Geologist*, v. 41, no. 3, p. 119-138.
- Stow, M.H., 1938, Dating Cretaceous-Eocene tectonic

- movements in the Bighorn Basin by heavy minerals: Geological Society of America Bulletin, v. 49, p. 731-762.
- Sundell, K.A., 1993, A geologic overview of the Absaroka volcanic province, *in* Snoke, A.W., Steidtmann, J.R., and Roberts, S.M., eds., Geology of Wyoming, vols. I and II: Wyoming State Geological Survey [Geological Survey of Wyoming] Memoir No. 5, p. 480-506
- Surdam, R.C., Zunsheng, Jiao, and Ganshin, Yuri, 2005 A new approach to exploring for a n o m a l o u s l y pressured gas accumulations: Wyoming State Geological Survey [Geological Survey of Wyoming] Exploration Memoir No. 1., 96 p.
- Susong, D.D., Smalley, M.L., and Banta, E.R., 1993, Water resources of Washakie County, Wyoming, *with a section on* Water-right administration, by R.G. Stockdale: U.S. Geological Survey Water-Resources Investigations Report 91-4044, 82 p., 2 pl.; *and at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_91_4044.djvu *and plate 2 at* http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_91_4044_plt.djvu [Plate 1 (geologic map) not yet online.]
- Swenson, F.A., 1957, Geology and ground water, Heart Mountain and Chapman Bench Divisions, Shoshone irrigation project, Wyoming, *with a section on* Chemical quality of the water, by H.A. Swenson: U.S. Geological Survey Water-Supply Paper 1418, 55 p., 5 pl.
- Swenson, F.A., and Bach, W.K., 1951, Ground-water resources of the Paintrock irrigation project, Wyoming, *with a section on* The quality of the water, by H.A. Swenson: U.S. Geological Survey Circular 96, 45 p., *and at* http://onlinepubs.er.usgs.gov/djvu/CIR/circ_96.djvu
- Taylor, D.J., 1998, Processing and interpretation of 2-D seismic data from the Bighorn Basin, Wyoming, *in* Keefer, W.R., and Goolsby, J.E., editors, Cretaceous and lower Tertiary rocks of the Bighorn Basin, Wyoming and Montana: Wyoming Geological Association Guidebook, 49th Annual Field Conference, p. 179-196.
- Thom, C. E., 1952, Structural features of the Bighorn basin rim: Wyoming Geological Association Guidebook, 7th Annual Field Conference, Southern Bighorn Basin, p. 15-17.
- Thomas, H.D., 1934, Phosphoria and Dinwoody Tongues in the lower Chugwater of central and southeastern Wyoming: Bulletin of the American Association of Petroleum Geologists, v. 18, p. 1655-1697.
- Thomas, L.E., 1965, Sedimentary and structural development of Bighorn Basin: Bulletin of the American Association of Petroleum Geologists, vol. 49 p. 1867-1877.
- Thompson, J.M., and Hutchinson, R.A., 1981, Chemical analyses of waters from the Boundary Creek thermal area, Yellowstone National Park, Wyoming: U.S. Geological Survey Open-File Report 81-1310, 15 p.
- Thompson, J.M., Presser, T.S., Barnes, R.B., and Bird, D.B., 1975, Chemical analyses of the waters of the Yellowstone National Park, Wyoming, from 1965 to 1973: U.S. Geological Survey Open-File Report 75-25, 53 p.
- Thompson, J.M., and Yadav, Sandhya, 1979, Chemical analyses of waters from geysers, hot springs, and pools in Yellowstone National Park, Wyoming, from 1974 to 1978: U.S. Geological Survey Open-File Report 79-704, 53 p.
- Todd, T.W., 1963, Post-depositional history of Tensleep Sandstone (Pennsylvanian), Big Horn Basin, Wyoming: Bulletin of the American Association of Petroleum Geologists, v. 47, no. 4, p. 599-616.
- Trihydro Corporation, Wyoming Department of Environmental Quality source water assessment project, Final project report, 2004
- Truesdell, A.H., and Fournier, R.O., 1976a, Conditions in the deeper parts of the hot spring systems of Yellowstone National Park, Wyoming: U.S. Geological Survey Open-File Report 76-428, 22 p.
- Truesdell, A.H., and Fournier, R.O., 1976b, Calculations of deep temperatures in geothermal systems from the chemistry of boiling spring waters of mixed origin, *in* Proceedings, Second United Nations Symposium on the Development and Use of Geothermal Resources: Washington, D.C., U.S. Government Printing Office, v. 1, p. 837-844.
- Truesdell, A.H., Nathenson, M., and Rye, R.O., 1977, The effects of subsurface boiling and dilution on the isotopic compositions of Yellowstone thermal waters: Journal of Geophysical Research, v. 82, no. 26, p. 3694-3704.
- Truesdell, A.H., Rye, R.O., Whelan, J.F., and Thompson, J.M., 1978, Sulfate chemical and isotopic patterns in thermal

- waters of Yellowstone National Park, Wyoming, *in* Zartman, R.E., editor, Fourth International Conference on Geochronology, Cosmochronology, and Isotope Geology, 1978: U.S. Geological Survey Open-File Report 78-701, p. 435-436.
- Truesdell, A.H., and Thompson, J.M., 1982, The geochemistry of Shoshone Geyser Basin, Yellowstone National Park, *in* Reid, S.G., and Foote, D.J., editors, *Geology of Yellowstone Park area: Wyoming Geological Association Guidebook, 33rd Annual Field Conference, 1982*, p. 153-159.
- TST, Inc., 2007a, Burlington regional water master plan Level II study, Executive summary, various pagination.
- TST, Inc., 2007b, Burlington regional water master plan Level II study: various pagination.
- U.S. Bureau of Land Management, 2006, Montana townships, WBRB: [digital data] *at* <http://www.blm.gov/gcdb/gcdbsites/index.html>
- U.S. Census Bureau, 1997, Federal American Indian Reservations, *at* <http://www.uwyo.edu/wygisc/> [accessed through WyGISC June 2008]
- U.S. Department of Agriculture, Natural Resources Conservation Service, 2002, Watershed boundary dataset, *at* <http://www.ncgc.nrcs.usda.gov/products/datasets/watershed/index.html>
- U.S. Environmental Protection Agency, 1999, 40 CFR Parts 141 and 142, National Primary Drinking Water Regulations, Radon-222, Proposed Rule: Washington, D.C., Federal Register, vol. 64 no. 211, p. 59245-59378.
- U.S. Environmental Protection Agency (USEPA), 1993, A review of methods for assessing aquifer sensitivity and ground-water vulnerability to pesticide Contamination: Washington, D.C., U.S. Environmental Protection Agency, EPA 813-R-93-002., 196 p.
- U.S. Environmental Protection Agency, 2006, 2006 Edition of the drinking water standards and health advisories: Washington D.C., U.S. Environmental Protection Agency, Office of Water, EPA 822-R-06-013, summer 2006, 11 p., *and at* <http://www.epa.gov/waterscience/criteria/drinking/dwstandards.pdf>[accessed January 22, 2008]
- U.S. Geological Survey, 1999a, National elevation dataset, *at* <http://ned.usgs.gov/>
- U.S. Geological Survey, 1999b, National hydrography dataset, *at* <http://nhd.usgs.gov/>
- Van Houten, F.B., 1944, Stratigraphy of the Willwood and Tatman Formations in northwestern Wyoming: Geological Society of America Bulletin, v. 55, p. 165-210.
- Van Houten, F.B., 1964, Tertiary geology of the Beaver Rim area, Fremont and Natrona Counties, Wyoming: U.S. Geological Survey Bulletin 1164, 99 p.
- Vietti, B.T., 1977, The geohydrology of the Black Butte and Canyon Creek areas, Bighorn Mountains, Wyoming: M.S. Thesis, University of Wyoming, Laramie, 49p.
- Vuke, S.M., Porter, K.W., et al., compilers, 2007, Geologic map of Montana: Montana Bureau of Mines and Geology Map 62 (GM-62), edition 1.0 (2007), and manual, 67 p., digital data.
- Weed, W.H., 1889, Formation of travertine and siliceous sinter by the vegetation of hot springs, *in* Powell, J.W., Director, Ninth annual report of the United States Geological Survey to the Secretary of the Interior, 1887-88: U.S. Geological Survey, p. 613-676. [*Includes descriptions of Mammoth Hot Springs and other thermal features of Yellowstone National Park.*]
- Wester-Wetstein and Associates, 2006a, Hyattville water supply Level II project, Executive summary: various pagination.
- Wester-Wetstein and Associates, 2006b, Hyattville water supply Level II project, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Wester-Wetstein and Associates, 2009, Hudson water supply test well project, *in* James Gores and Associates, P.C., 2009, Town of Hudson water supply Level II study, Final report, *q.v.*
- Western Water Consultants, 1982a, Town of Byron ground water development feasibility study: prepared for the Wyoming Water Development Commission, 109 p., 4 pl.
- Western Water Consultants, 1982b, Town of Cowley ground water development feasibility study: prepared for the Wyoming Water Development Commission, 114 p., 4 pl.
- Western Water Consultants, 1983a, Exploratory ground water investigation of the Shoshone River alluvium near

- Byron, Wyoming: prepared for the Wyoming Water Development Commission, various pagination.
- Western Water Consultants, 1983b, Final report on drilling and testing Madison #1 well for the Town of Cowley, Big Horn County, Wyoming: various pagination.
- Western Water Consultants, 1983c, Groundwater feasibility study for the Town of Manderson: prepared for the Wyoming Water Development Commission, various pagination.
- Western Water Consultants, 1984, Final report on drilling and testing Town of Manderson Well #3: prepared for the Wyoming Water Development Commission, various pagination.
- Western Water Consultants, 1985, Potential water-well sites for the Towns of Frannie and Deaver, Wyoming: prepared for the Wyoming Water Development Commission, 33 p.
- Western Water Consultants, 1986, Final report, drilling and testing of Frannie-Deaver Test Well #1: prepared for the Wyoming Water Development Commission, various pagination.
- Weston Engineering, Inc., 2002a, Lander Level II Paleozoic aquifer well siting study, Executive summary.
- Weston Engineering, Inc., 2002b, Lander Level II Paleozoic aquifer well siting study, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Weston Engineering, Inc., 2004a, Lander Level II water supply project, Executive summary: various pagination.
- Weston Engineering, Inc., 2004b, Lander Level II water supply project, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Weston Engineering, Inc., 2007a, Lander Level II water supply project, Exploration well deepening, Executive summary: various pagination.
- Weston Engineering, Inc., 2007b, Lander Level II water supply project, Exploration well deepening, Final report: prepared for the Wyoming Water Development Commission, various pagination.
- Whitcomb, H.A., and Lowry, M.E., 1968, Ground-water resources and geology of the Wind River Basin area, central Wyoming: U.S. Geological Survey Hydrologic Investigations Atlas HA-270, 13 p., 3 pl., scale 1:250,000.
- White, D.E., 1991, Whistle, a nearly dormant geyser in Upper Geyser Basin, Yellowstone National Park, Wyoming: The first geyser to be studied by research drilling: U.S. Geological Survey Bulletin 1967, 13 p.
- White, D.E., Hutchinson, R.A., and Keith, T.E.C., 1988, The geology and remarkable thermal activity of Norris Geyser Basin, Yellowstone National Park, Wyoming: U.S. Geological Survey Professional Paper 1456, 84 p.
- Whitehead, R.L., 1996 Groundwater atlas of the United States – Segment 8, Montana, North Dakota, South Dakota, Wyoming: U.S. Geological Survey Hydrologic Investigations Atlas 730-I [HA-730-I], 24 oversize p. [“Results of the U.S. Geological Survey’s Regional Aquifer Systems Analysis [RASA] program were used as a major source of information for compilation of the Atlas.”]
- WWC Engineering, Inc., 2007 (with Hinckley Consulting, Collins Planning Associates, Greenwood Mapping, Inc., and States West Water Resources Corporation), Wyoming framework water plan (Vol. I and Vol. II): prepared for the Wyoming Water Development Commission, 2 vols, various pagination; *and at* <http://waterplan.state.wy.us/>
- Wyoming Department of Environmental Quality (WDEQ), 1993 [revised 2005], Quality standards for Wyoming groundwaters, Chapter 8 *in* Water quality rules and regulations: Cheyenne, Wyoming Department of Environmental Quality, p. 8-1 to 8-13; *and at* http://deq/state/wy/us/wqd/WQDrules/Chapter_8.pdf
- Wyoming Water Development commission, 1996, Wind river water supply project, ground water exploration program: various pagination.
- Zapp, A.D., 1956, Structural contour map of the Tensleep Sandstone in the Bighorn Basin, Wyoming and Montana: U.S. Geological Survey Oil and Gas Investigations Map OM-182, scale 1:250,000.

