

## Treasure Valley bibliography

### A

- Adkins, C.B., and Bartolino, J.R., 2010, Distribution of isotopic and environmental tracers in groundwater, Northern Ada County, Southwestern Idaho: U.S. Geological Survey Scientific Investigations Report 2010-5144, 30 p. [Also available at <http://pubs.usgs.gov/sir/2010/5144/>]
- Aishlin, S.A., 2006, Groundwater recharge estimation using chloride mass balance Dry Creek Experimental Watershed: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/622/>]
- Anderson, A.L., 1956, Geology and ore deposits of the Pearl-Horseshoe Bend Gold Belt, Idaho: Moscow, Idaho Bureau Mines and Geology Pamphlet 41, 44 p. [Also available at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geology\\_of\\_the\\_Pearl-Horseshoe\\_Bend\\_Gold\\_Belt,\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geology_of_the_Pearl-Horseshoe_Bend_Gold_Belt,_Idaho)]
- Anderson, J.E., 1981, Capitol Mall geothermal exploratory well #1-- Drilling and completion report: Boise, Idaho Department of Water Resources publication, 13 p.
- Anderson & Kelly, Inc., 1981, Report on Capitol Mall geothermal Well #2: Boise, Prepared for CH2M Hill, 32 p.
- Anderson & Kelly, Inc., 1983, Report on evaluations of geothermal aquifer development Boise, Idaho: Boise, prepared for S.S. Papadopoulos & Associates, Inc., 5 p., attachments.
- Anderson & Kelly, Inc., 1983, Report of drilling and testing of Veterans Administration Medical Center geothermal production well and test injection well: Boise, injection study by S.S. Papadopoulos & Associates, Rockville, Maryland, 22 p., 5 appendices. **JRB copy**
- Anderson, J.E., and Wood, S.H., 1981, Geohydrology, chap. 3 in Mitchel, J.C., ed., Geothermal investigations in Idaho—Part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent area, southwestern Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin No. 30, p. 33-42, [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p11-geothermal-nampa-caldwell-areas.pdf>]
- Anonymous, 1999, Treasure Valley Hydrologic Project #2 monitoring well: 1 sheet, [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/TVHP-MW2-Caldwell.pdf> Signed ES/BC 11-99. Ed Squires and ? (JRB)
- Anonymous, 2002, Municipal Park monitoring well (TVHP #4): 1 sheet, [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/TVHP-MW4-Municipal-Park.pdf> Signed S.M.U. 8/02; S.M. Urban ?(JRB)
- Armstrong, R.L., 1974, Geochronometry of the Eocene volcanic plutonic episode in Idaho: Northwest Geology, v. 3, p. 1-15.
- Armstrong, R.L., Harakal, J.E., and Neill, W.M., 1980, K-Ar dating of Snake River Plain (Idaho) volcanic rocks - new results: Isochron/West, no. 27, p. 5-10.

- Armstrong, R.L., Leeman, W.P., and Malde, H.E., 1975, K-Ar dating of Quaternary and Neogene volcanic rocks of the Snake River Plain, Idaho: *American Journal of Science*, v. 275, p. 225-251.
- Arney, B.J., Beyer, J.H., Simon, O.S., Tonani, F.B., and Weiss, R.B., 1980, Hot dry rock geothermal site evaluation, western Snake River Plain, Idaho: *Transactions, Geothermal Resources Council*, v. 4, p. 197-200.
- Atlakson, Jessica, 2006, Payette and Gem Counties pesticide detections and Idaho's Pesticide Management Plan: Boise, Idaho State Department of Agriculture, 2 p. [Also available at <http://www.agri.idaho.gov/AGRI/Categories/Environment/water/waterPDF/factSheets/pesticides/Payette.pdf>]
- Bahr, Gary, and Elliott, K.D., 2009, Payette and Gem Counties pesticide detections and Idaho's Pesticide Management Plan: Boise, Idaho State Department of Agriculture Fact Sheet 2-2009, 2 p. [Also available at [http://www.agri.idaho.gov/AGRI/Categories/Environment/water/waterPDF/factSheets/pesticides/PayetteGem\\_Factsheet.pdf](http://www.agri.idaho.gov/AGRI/Categories/Environment/water/waterPDF/factSheets/pesticides/PayetteGem_Factsheet.pdf)]
- Baker, S.J., 1988, Declining water levels in the perched aquifer system, southwest Mountain Home: Boise, Idaho Department of Water Resources, Open-File Report, 15 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-perched\\_gw\\_sw%20mt\\_home.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-perched_gw_sw%20mt_home.pdf)]
- Baker, S.J., 1991, Ground-water conditions in the Dry Creek area, Eagle, Idaho: Boise, Idaho Department of Water Resources Open-File Report, 27 p. [Also available at <http://www.idwr.idaho.gov/files/publications/199106-OFR-gw-conditions-drycr-eagle-id.pdf>]
- Baker, S.J., 1991, Effects of ground-water development in the Wilder area, southwest Canyon County, Idaho: Boise, Idaho Department of Water Resources Open-File Report, 12 p. [Also available at <http://www.idwr.idaho.gov/files/publications/199111-OFR-gw-development-wilder-area.pdf>]
- Baker, S.J., 1991, Addendum to report entitled "Effects of ground-water development in the Wilder area, southwest Canyon County, Idaho": Boise, Idaho Department of Water Resources Open-File Report, 19 p. [Also available at <http://www.idwr.idaho.gov/files/publications/199202-OFR-gw-development-wilder-area-add.pdf>]
- Baker, S.J., 1993, Ground-water conditions in the area northeast of Kuna west-central Ada County, Idaho: Boise, Idaho Department of Water Resources Open-File Report, 15 p. [Also available at <http://www.idwr.idaho.gov/files/publications/199305-OFR-gw-conditions-ne-kuna-id.pdf>]
- Baldwin, H.L., Jr., 1960, Gravity survey in part of the Snake River Plain, Idaho: Golden, Colorado School of Mines Thesis, no. 910, 90 p.
- Baldwin, H.L., Jr., and Hill, D.P., 1960, Gravity survey in part of the Snake River Plain, Idaho—A preliminary report: U.S. Geological Survey Open-File Report, 21 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr6011>]

- Baldwin, J.A., and Wicherski, Bruce, 1994, Ground water and soils reconnaissance of the lower Payette area, Payette County, Idaho: Boise, Idaho Department of Environmental Quality Ground Water Technical Report 5, 54 p., 1 appendix. [Also available at [http://www.deq.idaho.gov/media/470592-water\\_data\\_reports\\_ground\\_water\\_payette\\_county\\_soils\\_recon.pdf](http://www.deq.idaho.gov/media/470592-water_data_reports_ground_water_payette_county_soils_recon.pdf)]
- Barrash, W., and Dougherty, M.E., 1995, High-resolution seismic reflection profiling and modeling of hydrogeologic system, Goddard2 well, northwest Boise, Idaho, report prepared for the Idaho Water Resources Research Institute: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 95-17, 47 p., 1 appendix. [Also available at <http://onlinelibrary.wiley.com/doi/10.1111/j.1745-6584.1997.tb00125.x/full>]
- Bartolino, J.R., and Hopkins, C.B., 2016, Ambient water quality in aquifers used for drinking-water supplies, Gem County, Idaho, 2015: U.S. Geological Survey Scientific Investigations Report 2016-5170, 33 p., 1 appendix. [Also available at <https://doi.org/10.3133/sir20165170>]
- Bassick, M.D., 1985, Ground-water levels, 1980, Snake River plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 85-330, 80 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr85330>]
- Bassick, M.D., 1986, Compilation of references on geology and hydrology of the Snake River drainage basin above Weiser, Idaho: U.S. Geological Survey Open-File Report 86-245, 133 p. [Also available at: <http://pubs.er.usgs.gov/publication/ofr86245>]
- Berenbrock, C., 1999. Streamflow gains and losses in the lower Boise River Basin, Idaho, 1996-97: U.S. Geologic Survey Water-Resources Investigations Report 99-4105, 25 p. [Also available at <https://pubs.er.usgs.gov/publication/wri994105>]
- Bendixsen, Shane, 1994, Summary of hydrologic conditions in the Mountain Home and Cinder Cone Butte areas: Boise, Idaho Department of Water Resources, Open-File Report, 17 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw\\_conditions\\_mhgwma.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw_conditions_mhgwma.pdf)]
- Berkeley Group Inc., 1990, Boise geothermal aquifer study: Report to the Idaho Department of Water Resources, 118 p.
- Beukelman, G., 1997, Geological and geophysical framework of the Treasure Valley—Reports on the Ontario, Parma, Notus, and Boise cross sections: Department of Geosciences, Boise State University, prepared for the Treasure Valley Hydrologic Project, variously paged. . [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/TVHP-Ont-Parma-Notus-Boi-1997.pdf> **Combines four Beukelman cross sections. (JRB)**]
- Beukelman, G., 1997, Cross section of the Treasure Valley in the Boise Area: Notes on the geology of the Boise Area: Department of Geosciences, Boise State University, prepared for the Treasure Valley Hydrologic Project.

- Beukelman, G., 1997, Cross section of the Treasure Valley in the Notus Area: Notes on the geology of the Notus area, Gem, Payette, Canyon, and Owyhee Counties, Idaho: Department of Geosciences, Boise State University, prepared for the Treasure Valley Hydrologic Project.
- Beukelman, G., 1997, Cross section of the Treasure Valley in the Ontario Area: Notes on the Geology of the Ontario area, Payette and Canyon Counties, Idaho, and Malheur County, Oregon: Department of Geosciences, Boise State University, prepared for the Treasure Valley Hydrologic Project.
- Beukelman, G., 1997, Cross section of the Treasure Valley in the Parma Area: Notes on the Geology of the Ontario area, Payette, Canyon, and Owyhee Counties, Idaho: Department of Geosciences, Boise State University, prepared for the Treasure Valley Hydrologic Project
- Bigelow, B.B., Goodell, S.A., and Newton, G.D., 1987, Water withdrawn for irrigation in 1980 on the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Hydrologic Atlas 690, 2 sheets. [Also available at <http://pubs.er.usgs.gov/usgspubs/ha/ha690>
- Bisdorf, R.J., 1983, Schlumberger soundings on the Snake River Plain near Nampa, Idaho: U.S. Geological Survey Open-File Report 83-412, 57 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr83412>
- Bliss, J.D., and Moyle, P.R., 2001, Assessment of the sand and gravel resources of the lower Boise River valley area, Idaho; Part One, Geological framework of the sand and gravel deposits: U.S. Geological Survey Open-File Report 2001-130, 41 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr01130>
- Bodhaine, G.L., 1966, Pesticides in the Boise River basin: U.S. Geological Survey Open-File Report 66-8, 32 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr668>
- Bonini, W.E., 1963, Gravity anomalies in Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet P-132, 43 p. [Also available at <http://www.idahogeology.org/Products/MapCatalog/default.asp?switch=title&value=P-132>
- Bonnichsen, B., and Kauffman, D.F., 1987), Physical features of rhyolite lava flows in the Snake River Plain volcanic province, southwestern Idaho: Geological Society of America Special Paper 212, p. 119.
- Bonnichsen, W.B., and Travers, W.B., 1975, Rhyolitic volcanism and structural evolution of the Snake River Plain (abs.): Geol. Soc. Am., Rocky Mt. Section, v. 7, no. 5, p.589-590.
- Bonnichsen, B., Godchaux, M.M., and Jenks, M.D., 1991, Volcanism in the Snake River Plain: 38th Pacific Northwest AGU Meeting Abstracts with Programs, p. 10.
- Bowen, C.F., 1913, Contributions to economic geology, 1911, Part II, Mineral fuels--Coal at Horseshoe Bend and Jerusalem Valley, Boise County, Idaho: U.S. Geological Survey Bulletin 531-H, p. 245-262. [Also available at <https://pubs.er.usgs.gov/publication/b531H>

- Boyle, L., 1995, Determination of nature and extent of ground water contamination in Boise City and Boise Urban Planning Areas, Ada County, Idaho: Boise, Idaho Department of Health and Welfare Division of Environmental Quality, Water Quality Status Report No. 114, 24 p., 4 appendices. [Also available at [https://www.deq.idaho.gov/media/437210-wqs114\\_gw\\_contamination\\_boise\\_city\\_1995\\_entire.pdf](https://www.deq.idaho.gov/media/437210-wqs114_gw_contamination_boise_city_1995_entire.pdf)]
- Boyle, L., 1996, Ground water study of the lower Boise River Valley, Ada and Canyon counties, Idaho: Boise, Idaho Department of Health and Welfare Division of Environmental Quality, Water Quality Status Report No. 118, 37 p. plus appendices. [Also available at [https://www.deq.idaho.gov/media/437422-wqs118\\_gw\\_study\\_lower\\_boise\\_valley\\_entire.pdf](https://www.deq.idaho.gov/media/437422-wqs118_gw_study_lower_boise_valley_entire.pdf)]
- Boyle, L., 2000, Canyon County ground water study of the Boise River Corridor, Canyon County, Idaho: Boise, Idaho Department of Health and Welfare Division of Environmental Quality, Water Quality Status Report No. 119, 29 p. [Also available at [http://www.deq.idaho.gov/media/473472-water\\_data\\_reports\\_ground\\_water\\_boise\\_river\\_canyonco\\_study.pdf](http://www.deq.idaho.gov/media/473472-water_data_reports_ground_water_boise_river_canyonco_study.pdf)]
- Bradshaw, G.B., 1953, Progress report on drainage investigations, Emmett Valley, Gem County, Idaho: U.S. Department of Agriculture Soil Conservation Service—Research, 120 p. [Also available at [http://www.idwr.idaho.gov/waterinformation/projects/nac/Publications/PDFs/Bradshaw\\_1953.PDF](http://www.idwr.idaho.gov/waterinformation/projects/nac/Publications/PDFs/Bradshaw_1953.PDF)]
- Bradshaw, G.B., 1954, Progress report on drainage investigations, Emmett Valley, Gem County, Idaho: U.S. Department of Agriculture Soil Conservation Service—Research, 96 p. [Also available at [http://www.idwr.idaho.gov/waterinformation/projects/nac/Publications/PDFs/Bradshaw\\_1954.PDF](http://www.idwr.idaho.gov/waterinformation/projects/nac/Publications/PDFs/Bradshaw_1954.PDF)]
- Brand, B.D., 2004, Stratigraphy and origin of the phreatomagmatic deposits at Sinker Butte Volcano, Western Snake River Plains, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/405/>]
- Bryan, Kirk, 1929, Geology and dam sites with a report on the Owyhee Irrigation Project, Oregon: U.S. Geological Survey Water Supply Paper 597-A, 72 p., 4 plates. [Also available at <https://pubs.er.usgs.gov/publication/wsp597A>]
- Brockway, C.E., Johnson, G.S., and Ramseyer, S.A., 1984, Water resource references for the Snake River basin above Swan Falls: Moscow, Idaho Water and Energy Resources Research Institute, 61 p.
- Brott, C.A., Blackwell, D.D., and Mitchell, J.C., 1976, Heat flow study of the Snake River Plain region—Part 8: Boise, Idaho Department of Water Resources Water Information Bulletin 30, 195 p., 3 pls., accessed November 7, 2016, at <http://www.idwr.idaho.gov/files/publications/wib30p8-geothermal-snake-river-plain.pdf>
- Brott, C.A., Blackwell, D.D., and Mitchell, J.C., 1978, Tectonic implications of the heat flow of the western Snake River Plain, Idaho: Geol. Soc. Amer. Bull., v. 89, p.1697-1707.

- Bunch, S.M., 1992, Seismic refraction and resistivity imaging of shallow sedimentary/volcanic interfaces beneath the western Snake River Plain near Orchard, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/466/>]
- Burnham, W., and Wood, S., 1983, 12th annual Rocky Mountain groundwater conference, Boise, Idaho - field trip guidebook and road log, 36 p.
- Burnham, W.L., and Wood, S.H., 1992, Geologic map of the Boise South quadrangle, Ada County, Idaho (preprint): Preprint, in review Idaho Geological Survey technical report series, April 22, 1992, 28 p.
- Busbee, M.W., 2008, Factors controlling the concentration of arsenic in the Treasure Valley shallow aquifer, Idaho: Boise, Boise State University M.S. Thesis, 584 p. [Also available at <http://scholarworks.boisestate.edu/td/584/>]
- Buwalda, J.P., 1923, A preliminary reconnaissance of the oil and gas possibilities of southwestern and south-central Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet P-5, 11 p. [Also available at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=A\\_Preliminary\\_Reconnaissance\\_of\\_the\\_Gas\\_and\\_Oil\\_Possibilities\\_of\\_Southwestern\\_and\\_South-Central\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=A_Preliminary_Reconnaissance_of_the_Gas_and_Oil_Possibilities_of_Southwestern_and_South-Central_Idaho)]
- Campbell, Lin, 2006, Summary of year 2004 detections of concern, Statewide Ambient Ground Water Quality Monitoring Program: Boise, Idaho Department of Water Resources, Ground Water Quality Publication, 38 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/gwq/Detections\\_of\\_Concern\\_2004\\_Final.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/gwq/Detections_of_Concern_2004_Final.pdf) **Three wells sampled in Gem County, detections of concern: 2 arsenic, 1 household product. (JRB)**]
- Carlson, R.D., 1974, Water, Nutrient and Sediment Budget for an Irrigated Farm in the Boise Valley: Moscow, University of Idaho, M.S. Thesis, 161 p. [Also available at <http://digital.lib.uidaho.edu/cdm/singleitem/collection/idahowater/id/270/rec/3>]
- Carlson, Rick, and Atkinson, Jessica, 2007, Regional ground water quality monitoring results for Payette and Gem Counties, Idaho 2003-2006: Boise, Idaho State Department of Agriculture, ISDA Technical Results Summary no. 33, 7 p. [Also available at [http://www.agri.idaho.gov/Categories/Environment/water/waterPDF/gwreports/Payette\\_Gem\\_2006.pdf](http://www.agri.idaho.gov/Categories/Environment/water/waterPDF/gwreports/Payette_Gem_2006.pdf)]
- Carlson, R.A. and Petrich, C.R., 1998, New York Canal geologic cross section, seepage gain/loss data, and ground water hydrographs: Compilation and Findings, Idaho Water Resources Research Institute and Idaho Department of Water Resources.
- Carter, G.N., 1936, Exhibit A, Memorandum, Pumping ground water for supplemental irrigation supply, Boise Valley, *in*, Riter, J.R., and Keimig, J.A., 1936, Boise River investigations, Idaho: U.S. Bureau of Reclamation, p. 174-206. **Includes a depth to water map of the area between Boise and Deer Flat Resvr. And well yields and other data for drainage district wells. (JRB)**

- Castelin, P.M., 1988, Review of factors affecting ground water levels in the Mountain Home Plateau Area, Elmore and Ada Counties, Idaho: Boise, Idaho Department of Water Resources, Open-File Report, 5 p., figures and tables, 2 appendices. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw\\_levels\\_mt\\_home.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw_levels_mt_home.pdf)]
- Cavanagh, B.C., 2000, Western Snake River Plain, fluvial-lacustrine sedimentation: Exhumation estimates from mudstone compaction, unconformity identification by buried soil carbonate, hydraulic conductivity estimates from well cuttings: M.S. dissertation, Boise State University, Boise, Idaho, 96 p.
- Clark, G.M., and Maret, T.R., 1998, Organochlorine compounds and trace elements in fish tissue and bed sediments in the lower Snake River basin, Idaho and Oregon: U.S. Geological Survey Water-Resources Investigations 98-4103, 35 p. [Also available at <https://pubs.er.usgs.gov/publication/wri984103>]
- Clemens, D.M., 1993, Tectonics and volcanic stratigraphy of the western Snake River Plain, Idaho: MS thesis, Arizona State University, 209 p.
- Clemens, D.M., and Wood, S.H., 1993, Radiometric dating, volcanic stratigraphy, and sedimentation in the Boise foothills, northeastern margin of the western Snake River Plain, Ada County, Idaho: Isochron/West, v. 59 p. 3-10. [Also available at <http://www.idwr.idaho.gov/files/projects/north-ada-county/199305-Clemens-and-Wood-1993-Boise-foothills.pdf>]
- Colbert, J.L., 1966, Review of waterpower classifications, Payette River basin, Idaho: U.S. Geological Survey Open-File Report 66-16, 67 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr6616>]
- COMPASS, IDWR, IWRRI and EnviroIssues Inc., 2002. Treasure Valley's Water Future - Summary of the Treasure Valley Water Summit, Community Planning Association of Southwest Idaho, Idaho Department of Water Resources, Idaho Water Resources Research Institute, and EnviroIssues, Inc.
- Contor, B.A., Moore, G.L., Taylor, S.L., Farmer, N., Owsley, D., and Thiel, S., 2011, Managed aquifer recharge in the Treasure Valley: A component of a comprehensive aquifer management plan and a response to climate change: Moscow, Idaho Water Resources Research Institute Technical Completion Report 201102, [Also available at <http://digital.lib.uidaho.edu/cdm/ref/collection/idahowater/id/445>]
- Cook, Z., Urban, S., Maupin, M., Pratt, R. and Church, J., 2001, Domestic, commercial, municipal, and industrial water demand assessment and forecast in Ada and Canyon Counties, Idaho: Boise, Idaho Department of Water Resources, 47 p. [Also available at [https://www.idwr.idaho.gov/waterboard/WaterPlanning/PDFs/DCMI\\_Report.pdf](https://www.idwr.idaho.gov/waterboard/WaterPlanning/PDFs/DCMI_Report.pdf)]
- Cosgrove, D.M., 2010, Evaluation of ground water models in the Treasure Valley, Idaho Area: Idaho Falls, Western Water Consulting, Inc., 134 p. [Also available at <https://idwr.idaho.gov/files/projects/east-ada-county/contractor-findings.zip>]
- Cosgrove, D.M., and Taylor, J., 2007, Preliminary assessment of hydrology and water quality in ground water Canyon, County, Idaho: Moscow, Idaho Water Resources Research Institute Report 200701,

- Dall, W.H., 1925, Discovery of a Balkan fresh-water fauna in the Idaho formation of Snake River Valley, Idaho, *in* Shorter Contributions to General Geology, 1923-24: U.S. Geological Survey Professional Paper 132, p. 109-115. [Also available at <https://pubs.er.usgs.gov/publication/pp132G>]
- Dansart, W.J., Kauffman, J.D., and Mink, L.L., 1994, Bibliography of Idaho geothermal resources: Moscow, Idaho Water Resources Research Institute Report, U. S. Department of Energy Task Order No. 77, Subcontract C85-110544, 65 p. [Also available at [https://oemr.idaho.gov/wp-content/uploads/2016/06/bibliography\\_of\\_geothermal\\_reports.pdf](https://oemr.idaho.gov/wp-content/uploads/2016/06/bibliography_of_geothermal_reports.pdf)]
- Deick, J.F., and Ralston, D.R., 1986, Ground water resources in a portion of Payette County, Idaho: Moscow, Idaho Water Resources Institute, University of Idaho, 96 p. <http://contentdm.lib.uidaho.edu/u/?idahowater,397> Includes cross-sections, water-level maps, and QW. (JRB)
- deSonneville, J.L.J., 1972, Development of a mathematical ground water model, M.S. Thesis, Department of Civil Engineering, University of Idaho, Moscow, Idaho.
- Dion, N.P., 1972, Some effects of land-use changes on the shallow ground-water system in the Boise-Nampa area, Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin 26, 47 p., 4 pls. [Also available at: <http://www.idwr.idaho.gov/files/publications/wib26-land-use-boise-nampa-area.pdf>]
- Dittus, R., Allred, J. and Squires, E., 1998, Supporting data for groundwater conditions and aquifer testing of the Tenmile Ridge area of south Boise, Ada County, Idaho: Boise, United Water Idaho Groundwater Report Series Data Release No. 98-D1.
- Dittus, R., Allred, J. and Squires, E., 1999, Hydrogeology, geochemistry, and well construction of the Treasure Valley Hydrologic Project Monitoring Well #1, Ada County, Idaho: Boise, United Water Idaho, October 22, 1999 Final Report to the Treasure Valley Hydrologic Project Technical Advisory Committee, 8 p.8 figs., 3 appendices. [Also available at: <http://www.idwr.idaho.gov/files/projects/treasure-valley/TVHP-MW1.pdf>]
- Donaldson, P. R., 1992, Seismic refraction investigation near Diversion Dam, Ada County, Idaho, final report to Idaho Transportation Department, project no. F3291(28): Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 92-03, 5 p., 9 figs.
- Donato, M.M., 2000, Probability of detecting atrazine/desethyl-atrazine and elevated concentrations of nitrate plus nitrite as nitrogen in ground water in the Idaho part of the western Snake River Plain: U.S. Geological Survey Water-Resources Investigations Report 2000-4163, 25 p., 1 sheet. [Also available at <http://pubs.er.usgs.gov/usgspubs/wri/wri004163>]
- Donato, M.M., and MacCoy, D.E., 2004, Phosphorus and suspended sediment load estimates for the Lower Boise River, Idaho, 1994-2002: U.S. Geological Survey Scientific Investigations Report 2004-5235, 30 p. [Also available at <https://pubs.usgs.gov/sir/2004/5235/>]



- Donato, M.M., Neely, K.W., Hoffman, B., Benner, S., 2005, Geochemical processes and mechanisms of arsenic contamination in southwestern Idaho Ground Water: Proceedings Geological Society of America Annual Meeting, October 16-19, Salt Lake City.
- Douglas, S.L., 2007, Development of a numerical ground water flow model for the M3 Eagle development area near Eagle, Idaho: Boise, Idaho, Boise State University, Master's thesis, 345 p. [Also available at <http://www.idwr.idaho.gov/waterinformation/projects/nac/Publications/PDFs/SDouglas%20Thesis%20Dec%202007.pdf>]
- Dougherty, M.E., Vincent, R.J., and Barrash, W., 1995, Seismic reflection tests at the western Idaho fairgrounds, Ada County, Idaho: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 95-19, 70 p.
- Dyer, K.L., 1973, An evaluation of water-quality data obtained at four streamflow daily-record stations in Idaho: U.S. Geological Survey Water-Resources Investigations Report 73-30, 51 p. [Also available at <https://pubs.er.usgs.gov/publication/wri7330> 10039500 Bear River at Border, Wyo.; 13037500 Snake River near Heise, Idaho; 13154500 Snake River at King Hill, Idaho; and 13212500 Boise River at Notus, Idaho. (JRB)]
- Ekren, E.B., McIntyre, D.H., Bennett, E.H. and Malde, H.E., 1981, Geologic map of Owyhee County, Idaho, west of longitude 116° W: U.S. Geological Survey Map I-1256, 2 sheets, 1:125,000. . [Also available at <https://pubs.er.usgs.gov/publication/i1256>]
- Etheridge, A.B., 2013, Evaluation of total phosphorus mass balance in the lower Boise River and selected tributaries, southwestern Idaho: U.S. Geological Survey Scientific Investigations Report 2013-5220, 70 p. DOI: 10.3133/sir20135220. [Also available at <https://pubs.er.usgs.gov/publication/sir20135220>]
- Etheridge, A.B., MacCoy, D.E., and Weakland, R.J., 2014, Water-quality and biological conditions in selected tributaries of the Lower Boise River, southwestern Idaho, water years 2009-12: U.S. Geological Survey Scientific Investigations Report 2013-5220, 58 p. DOI: 10.3133/sir20145132. [Also available at <https://pubs.er.usgs.gov/publication/sir20145132>]

## F

- Fireman, M., Mogen, C.A., and Baker, G.O., 1950, Characteristics of saline and alkaline soils in the Emmett Valley area, Idaho: Idaho Agricultural experiment Station Research Bulletin 17,
- Fox, J.J., Analytical modeling of fully penetrating pumping tests at the Boise Hydrogeophysical Research Site for aquifer parameters and wellbore skin: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/397/>]
- Frenzel, S.A., 1988, Physical, chemical, and biological characteristics of the Boise River from Veterans Memorial Parkway, Boise to Star, Idaho, October 1987 to March 1988: U.S. Geological Survey Water-Resources Investigations Report 88-4206, 48 p. [Also available at <https://pubs.er.usgs.gov/publication/wri884206>]

- Frenzel, S.A., and Hansen, T.F., 1988, Water-quality data for the Boise River, Boise to Star, Idaho, October to December 1987: U.S. Geological Survey Open-File Report 88-171, 11 p., map. [Also available at <https://pubs.er.usgs.gov/publication/ofr88171>]
- Frenzel, S.A., and Hansen, T.F., 1988, Water-quality data for the Boise River, Boise to Star, Idaho, January to March 1988: U.S. Geological Survey Open-File Report 88-474, 14 p., map. [Also available at <https://pubs.er.usgs.gov/publication/ofr88474>]
- Frenzel, S.A., 1990, Effects of municipal wastewater discharges on aquatic communities, Boise River, Idaho: Water Resources Bulletin, v. 26, no. 2, p. 279-287. DOI: 10.1111/j.1752-1688.1990.tb01371.x. [Also available at <http://onlinelibrary.wiley.com/doi/10.1111/j.1752-1688.1990.tb01371.x/abstract>]
- Geo-Heat Center, 2005, Preliminary feasibility study for potential use of geothermal heating at Zoo Boise: Klamath Falls, Oregon Institute of Technology report, 8 p. [Also available at [https://oemr.idaho.gov/wp-content/uploads/2016/06/zoo\\_feas\\_sm.pdf](https://oemr.idaho.gov/wp-content/uploads/2016/06/zoo_feas_sm.pdf)]
- Geo-Heat Center, 2006, Preliminary feasibility study for a geothermal heat pump system at the Idaho Fish And Game Headquarters, Boise, Idaho: Klamath Falls, Oregon Institute of Technology report, 16 p. [Also available at [https://oemr.idaho.gov/wp-content/uploads/2016/06/geo-heat\\_pre-reasibility\\_study\\_id\\_fish\\_game\\_hq.pdf](https://oemr.idaho.gov/wp-content/uploads/2016/06/geo-heat_pre-reasibility_study_id_fish_game_hq.pdf) Includes logs for a 500-ft well drilled in 1964 and an 83-ft irrigation well drilled in 1991. (JRB)]
- Gilbert, J.D., Piety, L., and LaForge, R., 1983, Seismotectonic study, Black Canyon Diversion Dam and Reservoir, Boise Project, Idaho: U.S Bureau of Reclamation Pacific Northwest Regional Office, Geology Branch, 137 p., 8 sheets.
- Godchaux, M.M., and Bonnicksen, B., 1991, The three types of phreatomagmatic volcanos in the western Snake River Plain, Idaho: 38<sup>th</sup> Pacific Northwest AGU Meeting Abstracts with Programs, p. 16.
- Goodell, S.A., 1986, Water use on the Snake River plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 85-559, 94 p. Superseded by PP 1408-E.
- Goodell, S.A., 1988, Water use on the Snake River plain, Idaho and eastern Oregon: U.S. Geological Survey Professional Paper 1408-E, p. E1-E51. [Also available at <http://pubs.er.usgs.gov/usgspubs/pp/pp1408E>]
- Guilbert, M.E., 2000, Lithostratigraphy and permeability of Neogene deltaic, lacustrine and fluvial sediments along the northwestern margin of the Western Snake River Plain, Emmett and Boise, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/423/>]
- Hailer, K.M., and Wood, S.H., 2005, Geological field trips in southern Idaho, eastern Oregon, and northern Nevada: U.S. Geological Survey Open-File Report 2004-1222, 177 p. [Also available at <https://pubs.usgs.gov/of/2004/1222/>]
- Hamilton, W., 1962, Late Cenozoic structures of west-central Idaho: Geological Society of America Bulletin, v. 73, p. 511.

- Hanson, Brian, 2011, Isotopic and geochemical investigation into the origin of elevated uranium concentrations in Treasure Valley Ground and Surface Waters, Idaho: Boise, Boise State University M.S. Thesis, 248 p. [Also available at <http://scholarworks.boisestate.edu/td/248/>]
- Higginson, R.K., and Barnett, J.A., 1987, Investigation of the Boise Idaho geothermal system: Higginson-Barnell Consultants, Report to Boise State University, 20 p. plus appendices.
- Hill, D.P., 1963, Gravity and crustal structure in the western Snake River Plain, Idaho: Journal Geophysical Research, v. 68, pp. 5807-5818.
- Hill, D.P., and Jacobson, J.J., 1961, Gravity survey in the western Snake River Plain, Idaho—a progress report: U.S. Geological Survey Open-File Report 61-63, 20 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr6163>]
- Hill, D.P., Bladwin, H.L., Jr., and Pakiser, L.C., 1961, Gravity, volcanism and crustal deformation in the Snake River Plain: U.S. Geological Survey Professional Paper 424-B, p. 248-250. [Also available at <https://pubs.er.usgs.gov/publication/pp424B>]
- Hiner, J.E., 1976, Lithologic and mud log of the M.T. Ha!bouty, J.N. James No. 1 well, Meridian, Idaho: Unpublished logs of well on file with the Idaho State Petroleum Engineer (W. Pittman, Idaho State Department of Lands, P.O. 670, Coeur d'Alene, ID.
- Hoffman, B.A., 2008, Scale and heterogeneity in hydraulic properties of the fractured granitic Boise Front, Boise, Idaho: Boise, Boise State University M.S. Thesis, 396 p. [Also available at <http://scholarworks.boisestate.edu/td/396/>]
- Hold, H., 1996, Geologic cross section across the Treasure Valley, from 1.5 miles northwest of Star to the Snake River: Boise State University, Contribution to the Treasure Valley Hydrologic Project, 1 sheet. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/Cross-Sec-1-5-NW-STAR-to-SNAKE.pdf>]
- Hold, H., 1996, Geologic cross section across the Treasure Valley, from 6 miles east-northeast of Star to the Snake River: Boise State University, Contribution to the Treasure Valley Hydrologic Project, 1 sheet. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/Cross-Sec-6-ENE-STAR-to-SNAKE.pdf>]
- Holladay Engineering Co., 2009, City of Plymouth, well completion report-MW9: Payette, Idaho, Consultant's report, April 2009, NP 021605, variously paged.
- Hollenbaugh, K.M., 1973, The evaluation of geologic processes in the Boise Foothills that may be hazardous to urban development: Ada Council of Governments, Boise, Idaho, 88 p.
- Hopkins, C.B., 2013, Recharge sources and residence times of groundwater as determined by geochemical tracers in the Mayfield Area, southwestern Idaho, 2011–12: U.S. Geological Survey Scientific Investigations Report 2013-5115, 38 p. [Also available at <https://pubs.er.usgs.gov/publication/sir20135115>]
- Hortness, J.E., and Werner, D.C., 1999, Stream channel cross sections for a reach of the Boise River in Ada County, Idaho: U.S. Geological Survey Open-File Report 99-211, 100 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr99211>]

- Howarth, R.B., 1989, High-resolution seismic imaging of shallow sedimentary/volcanic interfaces beneath the western Snake River Plain near Boise, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/462/>]
- Hutchings, J., and Petrich, C.R., 2002, Ground water recharge and flow in the regional Treasure Valley aquifer system - geochemistry and isotope study, Idaho Water Resources Research Institute, Research Report IWRRI-2002-08, 80 p. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/TVHP-Geochemistry.pdf>]
- Hutching, J., and Petrich, C.R., 2002, Influence of canal seepage on aquifer recharge near the New York Canal, Idaho Water Resources Research Institute, Research Report IWRRI-2002-09, 31 p. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/NYC-2002.pdf>]
- Idaho Department of Health, 1959, Report of pollution problems in Indian Creek, Ada and Canyon Counties, Idaho, 1958-1959: Boise, Idaho Department of Health and Welfare Division of Environmental Quality, Water Quality Status Report No. 3, 31 p. [Also available at [https://www.deq.idaho.gov/media/433886-wqs3\\_indian\\_ck\\_1959.pdf](https://www.deq.idaho.gov/media/433886-wqs3_indian_ck_1959.pdf)]
- Idaho Department of Health, 1962, Report of pollution problems in the Boise River, Ada and Canyon Counties, Idaho, 1959-1962: Boise, Idaho Department of Health and Welfare Division of Environmental Quality, Water Quality Status Report No. 7, 28 p. [Also available at [https://www.deq.idaho.gov/media/433898-wqs7\\_boise\\_river\\_1962.pdf](https://www.deq.idaho.gov/media/433898-wqs7_boise_river_1962.pdf)]
- Idaho Department of Water Resources, 2010, North Ada County Monitoring Well #2 T. 4 N., R. 1 E., Section 09: Boise, Idaho Department of Water Resources, 1 sheet. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Projects/nac/PDF/lithology\\_plot\\_S.pdf](http://www.idwr.idaho.gov/WaterInformation/Projects/nac/PDF/lithology_plot_S.pdf)]
- Idaho Department of Water Resources, 2010, North Ada County Monitoring Well #1 T. 4 N., R. 1 E., Section 09: Boise, Idaho Department of Water Resources, 1 sheet. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Projects/nac/PDF/lithology%20plot\\_D.pdf](http://www.idwr.idaho.gov/WaterInformation/Projects/nac/PDF/lithology%20plot_D.pdf)]
- Idaho State Department of Agriculture, 2010, Idaho State Department of Agriculture Ground Water Monitoring program, a summary of Regional Project 770, including Gem and Payette Counties (pesticide data): Idaho State Department of Agriculture Web site, accessed March 23, 2016, at <http://www.agri.idaho.gov/AGRI/Categories/Environment/water/waterPDF/pestsummary/Project770Pest2009.pdf>
- Idaho State Department of Agriculture, 2010, Idaho State Department of Agriculture Ground Water Monitoring program, a summary of Regional Project 770, including Gem and Payette Counties (inorganic data): Idaho State Department of Agriculture Web site, accessed March 23, 2016, at <http://www.agri.idaho.gov/AGRI/Categories/Environment/water/waterPDF/inorganics/Project7702009.pdf>
- Ingham, M.J., 1996, Lower Payette River agriculture irrigation water return study and ground water evaluation Payette County, Idaho 1992 – 1993: Boise, Idaho Department of Health and Welfare Division of Environmental Quality, Water Quality Status Report No. 116, 65 p., 5 appendices. [Also available at [https://www.deq.idaho.gov/media/437296-wqs116\\_lower\\_payette\\_river\\_1996\\_entire.pdf](https://www.deq.idaho.gov/media/437296-wqs116_lower_payette_river_1996_entire.pdf)]

- Johnson, B.A., 2011, Evapotranspiration in the riparian zone of the Lower Boise River with implications for groundwater flow: Boise, Boise State University M.S. Thesis, 168 p. [Also available at <http://scholarworks.boisestate.edu/td/168>]
- Johnson, Jennifer, 2013, Development of a transient groundwater model of the Treasure Valley aquifer, Idaho: Boise, Bureau of Reclamation, July 2013, 43 p.
- Jossis, T.E., 1996, Stratigraphy of a deltaic complex in the Boise Foothills sandstones: applications for environmental and water resource issues: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/463/>]

## K

- Kellog, S.T., Simon, V.A., and Barlow, M., 1996, Ground water analysis at Emmett, Idaho: Boise, Idaho Department of Water Resources, Open-File Report, 14 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw\\_analysis\\_emmett\\_id.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw_analysis_emmett_id.pdf) **An investigation to determine if bacteria and nitrate were present in wells. (JRB)**]
- Kelly, J.E., 1981, Capitol Mall geothermal well no. 2: a completion report by Anderson and Kelly, Inc. for CH2M Hill, 12 p.
- Kimmel, P.G., 1979, Stratigraphy and paleoenvironments of the Miocene Chalk Hills Formation and Pliocene Glens Ferry Formation in the western Snake River Plain, Idaho: Ph.D. Thesis, Univ. of Michigan, 331 p.
- Kimmel, P.G., 1982, Stratigraphy, age, and tectonic setting of the Miocene- Pliocene lacustrine sediments of the western Snake River Plain, Oregon and Idaho, *in* Bonnicksen, Bill, and Breckenridge, R.M., eds., Cenozoic geology of Idaho: Idaho Bureau of Mines and Geology Bulletin 26, p. 559-578.
- Kirkham, V.R.D., 1930, Old erosion surfaces in southwestern Idaho: *Journal of Geol.*, v. 38, no. 7, p. 652-663.
- Kirkham, V.R.D., 1931, Revision of the Payette and Idaho Formations: *Journal of Geology*, v. 39, pp. 193-239.
- Kirkham, V.R.D., 1931, Snake River downwarp: *Journal of Geology*, v. 39, p. 456-482.
- Kirkham, V.R.D., 1931, Igneous geology of southwestern Idaho: *Journal of Geology*, v. 39, p. 564-591
- Kittleman, L.R., Green, A.R., Haddock, G.H., Hagood, A.R., Johnson, A.M., McMurray, J.M., Russell, R.G., and Weeden, D.A., 1967, Geologic map of the Owyhee Region Malheur County, Oregon-1:125,000: University of Oregon, Museum of Natural History Bulletin 8, one map sheet.
- Kittleman, L.R., Green, A.R., Hagood, A.R., Johnson, A.M., McMurray, J.M., Russell, R.G., and Weeden, D.A., 1965, Cenozoic stratigraphy of the Owyhee Region, southeastern Oregon: University of Oregon Museum of Natural History Bulletin I, 45 p.

- Kjelstrom, L.C., 1986, Flow characteristics of the Snake River and water budget for the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Hydrologic Atlas 680, 2 sheets. [Also available at <http://pubs.er.usgs.gov/usgspubs/ha/ha680>]
- Kjelstrom, L.C., 1990, Streamflow gains and losses in the Snake River and ground-water budgets for the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 90-172, 71 p., 1 sheet. Superseded by PP 1408-C.
- Kjelstrom, L.C., 1995, Streamflow gains and losses in the Snake River and ground-water budgets for the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Professional Paper 1408-C, p. C1-C47; 1 plate in pocket. [Also available at <http://pubs.er.usgs.gov/usgspubs/pp/pp1408C>]
- Kjelstrom, L.C., 1995, Data for and adjusted regional regression models of volume and quality of urban storm-water runoff in Boise and Garden City, Idaho, 1993-94: U.S. Geological Survey Water-Resources Investigations Report 95-4228, 36 p. [Also available at <https://pubs.er.usgs.gov/publication/wri954228>]
- Kleinschmidt, J.M., 1989, Geohydrologic and stratigraphic applications of high-resolution seismic reflection profiling in southeast Boise, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/464/>]
- Kormos, P.R., 2005, Accounting for time and space variations of  $\delta^{18}$  in a snowmelt isotopic hydrograph separation in the Boise Front: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/957/>]
- Kramber, W.J., 2002, Developing evapotranspiration data for Idaho's Treasure Valley using Surface Energy Balance Algorithm for Land (SEBAL), Idaho Department of Water Resources, Boise, Idaho.
- Kurz, K.R., 2007, Emplacement and compositional variations of the dikes at Sinker Butte Volcano, Western Snake River Plain, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/419/>]
- LaFehr, T.R., 1962, Gravity survey in the eastern Snake River Plains, Idaho - a progress report: U.S. Geological Survey Open-File Report 62-74, 49 p., 1 plate. [Also available at <https://pubs.er.usgs.gov/publication/ofr6274>]
- Lawrence, D.C., 1988, Geology and revised stratigraphic interpretation of the Miocene Sucker Creek Formation, Malheur County, Oregon: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/572/>]
- Leeman, W.P., 1982, Development of the Snake River Plain-Yellowstone Plateau Province, Idaho and Wyoming, an overview and petrologic model: Idaho Bureau of Mines and Geology 26, p. 155.
- Leeman, W.P., 1989, Origin and development of the Snake River Plain (SRP)-an overview: International Geophysical Union Field Trip Guide T305, American Geophysical Union, Washington D.C., p. 4.
- Lewis, R.E., and Stone, M.A., 1988, Geohydrologic data from a 4,403-foot geothermal test hole, Mountain Home Air Force Base, Elmore County, Idaho: U.S. Geological Survey Open-File Report 88-166, 30 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr88166>]

- Lewis, R.E., and Young, H.W., 1980, Thermal springs in the Payette River basin, west-central Idaho: U.S. Geological Survey Open-File Report 80-1020, 28 p. [Also available at <http://pubs.er.usgs.gov/publication/ofr801020>]
- Lewis, R.E., and Young, H.W., 1982, Thermal springs in the Boise River basin, south-central Idaho: U.S. Geological Survey Water-Resources Investigations Report 82-4006, 28 p., map. [Also available at <https://pubs.er.usgs.gov/publication/wri824006>]
- Lewis, R.S., Phillips, W.M., Feeney, D.M., Schmidt, K.L., and Wood, S.H., 2016, Geologic map of the Montour Quadrangle, Boise and Gem Counties, Idaho: Moscow, Idaho Geological Survey DWM-177, scale 1:24,000, 1 sheet, accessed November 7, 2016, at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geologic\\_Map\\_of\\_the\\_Montour\\_Quadrangle\\_Boise\\_and\\_Gem\\_Counties\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geologic_Map_of_the_Montour_Quadrangle_Boise_and_Gem_Counties_Idaho)
- Liberty, L.M., 1996, Seismic reflection imaging of the Boise Geothermal Aquifer: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 96-05, 20 p. [Also available at [http://cgiss.boisestate.edu/Techreports/CGISS\\_96\\_05.pdf](http://cgiss.boisestate.edu/Techreports/CGISS_96_05.pdf)]
- Liberty, L.M., 1996, Seismic reflection results: Stewart Gulch Region, Boise, Idaho, report prepared for the Terteling Company: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 96-04, 17 p. [Also available at [http://cgiss.boisestate.edu/Techreports/CGISS\\_96\\_04.pdf](http://cgiss.boisestate.edu/Techreports/CGISS_96_04.pdf)]
- Liberty, L.M., 1998, Seismic reflection imaging of a geothermal aquifer in an urban setting: *Geophysics*, v. 63, no. 4, p. 1285-1294.
- Liberty, L.M., and Wood, S.H., 2001, Treasure Valley Seismic Reflection Project –April 2000 Union Pacific Railroad noise tests: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 00-04, 7 p. [Also available at [http://cgiss.boisestate.edu/Techreports/CGISS\\_00\\_04.pdf](http://cgiss.boisestate.edu/Techreports/CGISS_00_04.pdf)]
- Liberty, L.M., and Wood, S.H., 2001, Treasure Valley Seismic Reflection Project – UPRR 2000 Profile: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 01-01, 12 p. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/TV-seismic-reflection.pdf>]
- Lindgren, J., 1982, Application of a ground water model to the Boise Valley aquifer in Idaho: M.S. thesis, University of Idaho, Moscow, Idaho.
- Lindgren, Waldemar, 1898, Boise folio, Idaho: U.S. Geological Survey Folios of the Geologic Atlas 45, 7 p., 4 plates. [Also available at <https://pubs.er.usgs.gov/publication/gf45>]
- Lindgren, W., and Drake, N.F., 1904, Description of the Nampa Quadrangle, Idaho, Oregon: U.S. Geological Survey Folios of the Geologic Atlas 103, 5 p., 2 plates. [Also available at <https://pubs.er.usgs.gov/publication/gf103>]
- Lindgren, W., and Drake, N.F., 1904, Description of the Silver City Quadrangle, Idaho, Oregon: U.S. Geological Survey Folios of the Geologic Atlas 103, 6 p., 3 plates. [Also available at <https://pubs.er.usgs.gov/publication/gf104>]

- Lindholm, G.F., 1981, Plan of study for the regional aquifer-system analysis of the Snake River plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 81-689, 23 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr81689>]
- Lindholm, G.F., 1992, Summary of the Snake River Plain regional aquifer-system analysis in Idaho and eastern Oregon: U.S. Geological Survey Professional Paper 1408-A, 59 p., 1 plate in pocket. [Also available at <http://pubs.usgs.gov/pp/1408a/report.pdf>]
- Lindholm, G.F., 1993, Summary of the Snake River plain Regional Aquifer-System Analysis in Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 91-98, 62 p. Superseded by PP 1408-A.
- Lindholm, G.F., 1993, Summary of the Snake River plain Regional Aquifer-System Analysis in Idaho and eastern Oregon: U.S. Geological Survey Professional Paper 1408-A, p. A1-A59; 1 plate in pocket. [Also available at <http://pubs.er.usgs.gov/usgspubs/pp/pp1408A>]
- Lindholm, G.F., and Goodell, S.A., 1986, Irrigated acreage and other land uses on the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 84-452, 1 sheet. Superseded by HA-691.
- Lindholm, G.F., and Goodell, S.A., 1986, Irrigated acreage and other land uses on the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Hydrologic Atlas 691, 1 sheet. [Also available at <http://pubs.er.usgs.gov/usgspubs/ha/ha691>]
- Lindholm, G.F., Garabedian, S.P., Newton, G.D., and Whitehead, R.L., 1982, Configuration of the water table, March 1980, in the Snake River plain regional aquifer system, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 82-1022, 1 sheet. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr821022>]
- Lindholm, G.F., Garabedian, S.P., Newton, G.D., and Whitehead, R.L., 1986, Configuration of the water table and depth to water, spring 1980, water-level fluctuations, and water movement in the Snake River Plain Regional Aquifer System, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 86-149, 1 sheet. Superseded by HA-703.
- Lindholm, G.F., Garabedian, S.P., Newton, G.D., and Whitehead, R.L., 1988, Configuration of the water table and depth to water, spring 1980, water-level fluctuations, and water movement in the Snake River Plain Regional Aquifer System, Idaho and eastern Oregon: U.S. Geological Survey Hydrologic Atlas 703, 1 sheet. [Also available at <https://pubs.er.usgs.gov/publication/ha703>]
- Lindholm, G.F., and Goodell, S.A., 1986, Irrigated acreage and other land uses on the Snake River Plain, Idaho and eastern Oregon: Geological Survey Hydrologic Investigations Atlas HA-691, 1 sheet. [Also available at <https://pubs.er.usgs.gov/publication/ha691>]
- Love, S.K., and Benedict, P.C., 1948, Discharge and sediment loads in the Boise River drainage basin, Idaho 1939-40: U.S. Geological Survey Water Supply Paper 1048, 150 p. [Also available at <https://pubs.er.usgs.gov/publication/wsp1048>]
- Mabey, D.R., 1976, Interpretation of a gravity profile across the western Snake River Plain, Idaho: *Geology*, v. 4, p. 53-55.
- Mabey, D.R., 1982, Geophysics and tectonics of the Snake River Plain, Idaho: Idaho Bureau of Mines and Geology Bulletin 26, p. 139



- Mabey, D.R., Peterson, D.L., and Wilson, C.W., 1974, Preliminary gravity map of southern Idaho: U.S. Geological Survey Open-File Report 74-78, scale 1:500,000. [Also available at <https://pubs.er.usgs.gov/publication/ofr7478>]
- MacCoy, D.E., 2004, Water-quality and biological conditions in the Lower Boise River, Ada and Canyon Counties, Idaho, 1994-2002: U.S. Geological Survey Scientific Investigations Report 2004-5128, 80 p. [Also available at <https://pubs.er.usgs.gov/publication/sir20045128>]
- MacCoy, D.E., 2006, Fish communities and related environmental conditions of the lower Boise River, southwestern Idaho, 1974-2004: U.S. Geological Survey Scientific Investigations Report 2006-5111, 36 p. [Also available at <https://pubs.er.usgs.gov/publication/sir20065111>]
- MacCoy, D.E., 2014, Mercury concentrations in water, and mercury and selenium concentrations in fish from Brownlee Reservoir and selected sites in Boise and Snake Rivers, Idaho and Oregon, 2013: U.S. Geological Survey Open-File Report 2014-1099, 26 p. DOI: 10.3133/ofr20141099. [Also available at <https://pubs.er.usgs.gov/publication/ofr20141099>]
- McIntyre, D.H., 1979, Preliminary description of Anschutz Federal No. 1 drill hole, Owyhee County, Idaho: U.S. Geological Survey Open-File Report 79-651, 15 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr79651>]
- Malde, H.E., 1959, Fault zone along northern boundary of western Snake River Plain, Idaho: *Science*, v. 130, no. 3370, p. 272.
- Malde, H.E., 1965, Snake River Plain, *in* Wright, H.E., and Frey, D.G., eds., *The Quaternary of the United States*: Princeton, N.J.: Princeton University Press, p. 255-263.
- Malde, H.E., 1972, Stratigraphy of the Glens Ferry Formation from Hammett to Hagerman, Idaho: U.S. Geological Survey Bulletin 1331-D, 19 p. [Also available at <https://pubs.er.usgs.gov/publication/b1331D>]
- Malde, H.E., 1985, Raft trip through the Snake River Birds of Prey area to view canyon-filling, volcanics, and lake beds of the Pleistocene Snake River: Geological Society of America, Rocky Mountains Section, 38th Annual Meeting Guidebook, April 20-26, 1985, 48 p.
- Malde, H.E., 1987, A guide to the Quaternary geology and physiographic history of the Snake River Birds of Prey area, Idaho: *Northwest Geology*, v. 16, p. 2346.
- Malde, H.E., 1991, Quaternary geology and structural history of the Snake River Plain, Idaho and Oregon, *in* R. B. Morrison, ed., *Quaternary nonglacial geology, conterminous U.S.: Geology of North America*, Geological Society of America, v. K-2, p. 251-280.
- Malde, H.E., and Powers, H.A., 1962, Upper Cenozoic stratigraphy of western Snake River Plain, Idaho: *Geological Society of America Bulletin*, v. 73, no. 10, p. 1197-1220.
- Malde, H.E., Powers, H.A., and Marshall, C.H., 1963, Reconnaissance geologic map of west-central Snake River Plain, Idaho: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-373, 1 sheet. [Also available at <https://pubs.er.usgs.gov/publication/i373>]

- Marr, J.C., 1936, Exhibit B, Preliminary report on drainage requirements of Boise Valley, Idaho with respect to the proposed Salmon River Development, *in*, Riter, J.R., and Keimig, J.A., 1936, Boise River investigations, Idaho: U.S. Bureau of Reclamation, p. 207-212. **Proposes 150 drainage wells for pumping to lower the water table if the Salmon River Development occurred. (JRB)**
- Maupin, M.A., 1991, Depth to water in the western Snake River Plain and surrounding tributary valleys, southwestern Idaho and eastern Oregon, calculated using water levels from 1980 to 1988: U.S. Geological Survey Water-Resources Investigations Report 91-4020, 1 sheet. [Also available at <http://pubs.er.usgs.gov/usgspubs/wri/wri914020>]
- Maupin, M.A., 1999, Methods to determine pumped irrigation- water withdrawals from the Snake River Between Upper Salmon Falls and Swan Falls Dams, Idaho using electrical power data, 1990-95: U.S. Geological Survey Water-Resources Investigations Report 99-4175, 20 p. [Also available at <https://pubs.er.usgs.gov/publication/wri994175>]
- Mayo, A.L., Muller, A.B., and Mitchell, J.C., 1984, Geochemical and Isotopic Investigations of Thermal Water Occurrences of the Boise Front Area, Ada County, Idaho: Boise, Idaho Department of Water Resources, Water Information Bulletin 30, part 14, 55 p. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p14-geothermal-boise-front-area.pdf>]
- Mebane, C.A., and MacCoy, D.E., 2013, Monitoring plan for mercury in fish tissue and water from the Boise River, Snake River, and Brownlee Reservoir, Idaho and Oregon (ver. 1.1, December 2016): U.S. Geological Survey Open- File Report 2013–1068, 26 p. DOI: 10.3133/ofr20131068. [Also available at <http://pubs.usgs.gov/of/2013/1068/>]
- Merriam, J.C., 1918, New mammals from the Idaho Formation: University of California Publications, Bulletin of the Department of Geology, v. 10, p. 523-530.
- Michaels, P., 2000, Geophysical investigation of the soil profile—SH55 Payette River Bridge, Horseshoe Bend, ID, Idaho: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Final Report to ITD, key no. 7215, 28 p.
- Middleton, L.T., Porter, M.L., and Kimmel, P.G., 1985, Depositional settings of the Chalk Hills and Glens Ferry Formations west of Bruneau, Idaho, *in* Flores, R. M., ed., Cenozoic paleo-geography of the west-central United States: Society of Economic Paleontology and Mineralogy, Rocky Mountain Section, Rocky Mountain paleogeography, Symposium 3, p. 37-54.
- Mink, L.L., 1976, Geothermal testing of Statehouse well, final report: Boise State University, 7 p.
- Mink, L.L., and Graham, D.L, 1977, Geothermal potential of the west Boise area: EG&G Idaho, Inc., 32 p.
- Mitchell, J.C., ed., 1981, Geothermal investigations in Idaho, part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent areas, southwestern Idaho: Boise, Idaho Department of Water Resources, Water Information Bulletin 30, part 11, 143 p., 5 plates in pocket. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib30p11-geothermal\\_nampa-caldwell\\_areas.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib30p11-geothermal_nampa-caldwell_areas.pdf)]

- Mitchell, J.C., 1981, Geochemistry, Chapter 4, *in* Mitchell, J.C., ed., Geothermal investigations in Idaho, Part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent area, Southwestern Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin 30, Part 11, p. 43-78. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p11-geothermal-nampa-caldwell-areas.pdf>]
- Mitchell, J.C., 1981, Synopsis, Chapter 7, *in* Mitchell, J.C., ed., Geothermal investigations in Idaho, Part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent area, Southwestern Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin 30, Part 11, p. 131-136. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p11-geothermal-nampa-caldwell-areas.pdf>]
- Mitchell, J.C., and Anderson, J.E., 1981, Introduction, Chapter 1, *in* Mitchell, J.C., ed., Geothermal investigations in Idaho, part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent areas, southwestern Idaho: Boise, Idaho Department of Water Resources, Water Information Bulletin 30, part 11, p. 1-8. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib30p11-geothermal\\_nampa-caldwell\\_areas.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib30p11-geothermal_nampa-caldwell_areas.pdf)]
- Mitchell, J.C., Johnson, L.L., and Anderson, J.E., 1980, Geothermal investigations in Idaho - Potential for direct heat application of geothermal resources: Idaho Department of Water Resources Water Information Bulletin Number 30, Part 9, 396 p. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p9-geothermal-direct-heat-applications.pdf>]
- Mohammed, O.M.J., 1970, Hydrology of the Boise Ridge area: M.S. Thesis, College of Mines and Geology, Univ. of Idaho, Moscow, Idaho, 75 p.
- Montgomery, J.M., 1992, Boise geothermal aquifer study: James M. Montgomery, Consulting Engineers, Inc., Boise, Idaho and City of Boise and Boise Warm Springs Water District, 19 p. and appendices.
- Montgomery Watson, 1994, Boise geothermal aquifer study, phase 2 report: Montgomery Watson and City of Boise and Boise Warm Springs Water District, Volumes 1 and 2.
- Montgomery Watson, 1996, City of Boise geothermal injection well project - phase I report: Montgomery Watson, Scanlin Engineering and CH2M Hill.
- Morin, R.H., 1997, Recognition of units in coarse, unconsolidated braided-stream deposits from geophysical log data with principal components analysis: *Geology*, v. 25, no. 8, p. 687-690.
- Moyle, P.R., Wallis, J.C., Bliss, J.D., and Bolm, K.D., 2004, Digital database of selected aggregate and related resources in Ada, Boise, Canyon, Elmore, Gem, and Owyhee Counties, Southwestern Idaho: U.S. Geological Survey Open-File Report 2004-1067, 560 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr20041067>]

- Mullins, W.H., 1998, Water-quality conditions of the lower Boise River, Ada and Canyon Counties, Idaho, May 1994 through February 1997: U.S. Geological Survey Water-Resources Investigations Report 98-4111, 32 p. [Also available at <https://pubs.er.usgs.gov/publication/wri984111>]
- Mullins, W.H., 1999, Biological assessment of the lower Boise River, October 1995 through January 1998, Ada and Canyon Counties, Idaho: U.S. Geological Survey Water-Resources Investigations Report 99-4178, 37 p. [Also available at <https://pubs.er.usgs.gov/publication/wri994178>]
- Mullins, W.H., 1999, Biotic integrity of the Boise River upstream and downstream from two municipal wastewater treatment facilities, Boise, Idaho, 1995-96: U.S. Geological Survey Water-Resources Investigations Report 98-4123, 17 p. [Also available at <https://pubs.er.usgs.gov/publication/wri984123>]
- Mundorff, M.J., 1962, Feasibility of artificial recharge in the Snake River basin, Idaho: U.S. Geological Survey Open-File Report 62-92, 98 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr6292>]
- Mundorff, M.J., Crosthwaite, E.G., and Kilburn, C., 1964, Ground water for irrigation in the Snake River basin in Idaho: U.S. Geological Survey Water-Supply Paper 1654, 224 p. [Also available at <https://pubs.er.usgs.gov/publication/wsp1654>]
- Nace, R.L., West, S.W., and Mowder, R.W., 1957, Feasibility of ground-water features of the alternate plan for the Mountain Home project, Idaho—Abstract and summary: U.S. Geological Survey Open-File Report 55-119, 24 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr55119>]
- Nace, R.L., West, S.W., and Mowder, R.W., 1957, Feasibility of ground-water features of the alternate plan for the Mountain Home project, Idaho: U.S. Geological Survey Water Supply Paper 1376, 121 p., plates in pocket. [Also available at <https://pubs.er.usgs.gov/publication/wsp1376>]
- Neely, K.W., 1995, Production history for the State of Idaho Capitol Mall geothermal system, 1983-1994: Boise, Idaho Department of Water Resources Open-File Report, 22 p. [Also available at <http://www.idwr.idaho.gov/files/publications/199512-OFR-prod-his-capitol-mall.pdf>]
- Neely, K.W., 1996, Production history for the four geothermal district heating systems in Boise, Idaho: Geothermal Resources Council, Transactions, Volume 20, p. 137-144.
- Neely, K.W., 1998, Production, temperature and water level data for the four heating systems in the Boise Front low temperature geothermal resource area, 1977-1997: Boise, Idaho Department of Water Resources, Open-File Report, 31 p. [Also available at <http://www.idwr.idaho.gov/files/publications/199806-OFR-prod-temp-wl-data-bfgwma.pdf>]
- Neely, K.W., 2001, Current status of the ground water quality in the Treasure Valley – July, 2001: Boise, Idaho Department of Water Resources, Water Quality Report, 6 p. [Also available at <http://www.idwr.idaho.gov/files/publications/200107-GWQ-Treasure-Valley.pdf>]

- Neely, K.W., 2004, Nitrate results for Ada and Canyon Counties: Presentation, April 9, 2004, accessed at <http://www.idwr.idaho.gov/files/publications/200404-GWQ-Canyon-County-Nitrate.pdf>
- Neeley, K.W., 2007, Review of Boise Front Geothermal Monitoring Data for Water Year 2006 (October 1, 2005 – September 30, 2006): Boise, Idaho Department of Water Resources, Report, 15 p. [Also available at [https://oemr.idaho.gov/wp-content/uploads/2016/06/boise\\_front\\_geothermal\\_monitoring\\_2006.pdf](https://oemr.idaho.gov/wp-content/uploads/2016/06/boise_front_geothermal_monitoring_2006.pdf)
- Neeley, K.W., 2008, Trend analyses for Idaho's Nitrate Priority Areas, 1994-2007: Boise, Idaho Department of Water Resources, Water Information Bulletin 50, Part 7, 38 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib50p7\\_nitrate\\_trend\\_analyses.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib50p7_nitrate_trend_analyses.pdf)
- Neeley, K.W., 2013, Trend analyses for Idaho's Nitrate Priority Areas, 2002-2011: Boise, Idaho Department of Water Resources, Water Information Bulletin 50, Part 8, 54 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib50p8\\_Nitrate\\_Trend\\_analyses\\_Report\\_2013.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/wib/wib50p8_Nitrate_Trend_analyses_Report_2013.pdf)
- Neely, K.W., and Crockett, J.K., 1998, Ground water quality characterization and initial trend analysis for the Treasure Valley shallow and deep hydrologic subareas: Boise, Idaho Department of Water Resources, Water Information Bulletin 50, Part 3, 78 p., 5 appendices. [Also available at <http://www.idwr.idaho.gov/waterinformation/projects/eada/publications/PDF/IDWR-TV-Water-Quality.pdf>
- Nelson, L.B., Niemi, W.L., and Stoker, R.C., 1980, Geothermal resource exploration in Boise, Idaho: Idaho Falls, EG&G Idaho, EGG-2011, prepared for the U.S. Department of Energy under contract DE-AC07-76IDO1570, 25 p. [Also available at <https://www.osti.gov/geothermal/biblio/5598356-geothermal-resource-exploration-boise-idaho>
- Neville, C.A., 1981, Magnetostratigraphy and magnetic properties of the Pliocene Glenss Ferry Formation of southwestern Idaho: New York, Columbia University Ph.D. dissertation, 209 p.
- Neville, C.A., Opdyke, N.D., Lindsay, E.H., and Johnson, N.M., 1979, Magnetic stratigraphy of Pliocene deposits of the Glenss Ferry Formation, Idaho, and its implications for North American mammalian biostratigraphy: American Journal of Science, v. 279, p. 503-526.
- Newton, G.D., 1989, Geohydrology of the regional aquifer system, western Snake River plain, southwestern Idaho: U.S. Geological Survey Open-File Report 88-317, 82 p. Superseded by PP 1408-G.
- Newton, G.D., 1991, Geohydrology of the regional aquifer system, western Snake River plain, southwestern Idaho: U.S. Geological Survey Professional Paper 1408-G, p. G1-G52; 1 plate in pocket. [Also available at <http://pubs.er.usgs.gov/usgspubs/pp/pp1408G>
- Newton, V.C., and Corcoran, R.E., 1963. Petroleum geology of the western Snake River Basin, Oregon-Idaho: Oregon Dept. of Geol. and Mineral Indust. Oil and Gas Inv., no. 1, 67 p.

- Norton, M.A., Ondrechen, W., and Baggs, J.L., 1982, Ground water investigation of the Mountain Home plateau, Idaho: Boise, Idaho Department of Water Resources, Open-File Report, 62 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw\\_investigations\\_mthome\\_plateau\\_id.pdf](http://www.idwr.idaho.gov/WaterInformation/Publications/ofr/ofr-gw_investigations_mthome_plateau_id.pdf)]
- O'Connor, J.E., 1990, Hydrology, hydraulics, and sediment transport of Pleistocene Lake Bonneville flooding on the Snake River, Idaho: Tucson, University of Arizona, Ph.D. dissertation, 192 p., accessed November 7, 2016, at <http://hdl.handle.net/10150/191159>
- Olsen, J.R., 1980. A gravity study of the Nampa-Caldwell Area Canyon County, Idaho: Brigham Young Univ. Geol. Studies, v. 27, part 1, p. 101-115.
- Othberg, K.L., 1986, Late Cenozoic geology and the Tenmile Gravel near Lucky Peak Dam, Idaho: Wood, S.H., ed., Proceedings of the 22<sup>nd</sup> Symposium on Engineering Geology and Soils Engineering: Boise, Idaho, Boise State University Press, p. 533-545.
- Othberg, K.L., 1991, Quaternary tectonics and terrace surface gradients, Boise Valley, Idaho: 38th Pacific Northwest AGU Meeting Abstracts with Programs, p. 25
- Othberg, K.L., 1994, Geology and geomorphology of the Boise Valley and adjoining areas, western Snake River Plain, Idaho: Idaho Geological Survey Bulletin 29, 54 p., accessed November 7, 2016, at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geology\\_and\\_Geomorphology\\_of\\_the\\_Boise\\_Valley\\_and\\_Adjoining\\_Areas,\\_Western\\_Snake\\_River\\_Plain,\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geology_and_Geomorphology_of_the_Boise_Valley_and_Adjoining_Areas,_Western_Snake_River_Plain,_Idaho).
- Othberg, K.L., and Burnham, W.L., 1989, Geologic map of the Lucky Peak Quadrangle, Ada County, Idaho: Idaho Geological Survey Technical Report 90-4.
- Othberg, K.L., and Stanford, L.R., 1992, Geologic map of the Boise Valley and adjoining area, western Snake River Plain, Idaho: Idaho Geological Survey Geologic Map GM-18, 1 sheet, scale 1:100,000, accessed November 7, 2016, at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geologic\\_Map\\_of\\_the\\_Boise\\_Valley\\_and\\_Adjoining\\_Area,\\_Western\\_Snake\\_River\\_Plain,\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Geologic_Map_of_the_Boise_Valley_and_Adjoining_Area,_Western_Snake_River_Plain,_Idaho)
- Othberg, K.L., McDaniel, P.A., and Fosberg, M.A., 1997, Soil development on a Pleistocene terrace sequence, Boise Valley, Idaho: Northwest Science, v. 71, no. 4, p. 318-329.
- Otto, B.R., and Wylie, A.H., 2003, Hydrogeologic analysis of water supply for the city of Greenleaf, Canyon County Idaho: Moscow, Idaho Water Resources Research Institute Research Report.

## P

- Pacific Groundwater Group, 2008a, M3 Eagle Groundwater flow model and analysis of pumping impacts—first year progress report: Seattle, Washington.
- Pacific Groundwater Group, 2008b, Model refinement and recalibration; re-simulation of 50-year drawdown; and assessment of effects of reduced canal leakage (M3 Eagle Groundwater flow model): memorandum to Hydro Logic, Inc., November 14, 2008, Seattle, Washington.

- Parlman, D.J., 1982, Compilation of ground-water quality data for selected wells in Elmore, Owyhee, Ada, and Canyon counties, Idaho, 1945 through 1982: U.S. Geological Survey Open-File Report 83-39, 156 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr8339>]
- Parlman, D.J., 1983, Ground-water quality in the western Snake River basin, Swan Falls to Glens Ferry, Idaho: U.S. Geological Survey Water-Resources Investigations Report 83-4062, 85 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr00515>]
- Parlman, D.J., 1986, Quality of ground water in the Payette River basin, Idaho: U.S. Geological Survey Water-Resources Investigations Report 86-4013, 85 p., 2 plates. [Also available at <http://pubs.er.usgs.gov/publication/wri864013>]
- Parlman, D.J., 2000, Construction, completion, and testing of replacement monitoring wells MW 3-2, MW 6-2, MW 7-2, and MW 11-2, Mountain Home Air Force Base, Idaho, February Through April 2000: U.S. Geological Survey Open-File Report 2000-515, 19 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr00515>]
- Parlman, D.J., and Spinazola, J.M., 1998, Ground-water quality in northern Ada County, lower Boise River basin, Idaho, 1985-96: U.S. Geological Survey Fact Sheet 054-98, 6 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/fs/fs05498>]
- Parlman, D.J. and Young, H.W., 1992, Compilation of selected data for thermal-water wells and springs in Idaho, 1921 through 1991: U.S. Geological Survey Open-File Report 92-175, 210 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr92175>]
- Parlman, D.J., Boyle, Linda, and Nicholls, Sabrina, 1996, Selected well and ground-water chemistry data for the Boise River Valley, southwestern Idaho, 1990-95: U.S. Geological Survey Open-File Report 96-246, 199 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr96246>]
- Pelton, J.R., 1989, Reflection seismology investigations to determine the elevation of the base of the Idaho Group sedimentary section beneath the Ten-Mile gravels near Isaacs Canyon, Ada County, Idaho, with a qualitative interpretation of complete Bouguer gravity anomaly data for the Boise-Nampa-Caldwell area, report prepared for the Boise Water Corporation: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 89-01, 12 p., 5 figs., 8 plates.
- Pelton, J.R., 1992, Seismic investigation at Glenwood Bridge, Ada County, Idaho, final report to Idaho Transportation Department, project no. F3190(100): Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 92-02, 20 p., 1 plate.
- Pelton, J.R., Liberty, L.M., Gallaway, P.J., and Petteys, M.P., 1994, Reconnaissance ground magnetic survey of an asphalt-covered urban parking lot, Boise, Idaho: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 94-04, final report to EnviroSearch International, Boise, Idaho, 8 p.

- Pelton, J.R., Liberty, L.M., Lyle, M., Dougherty, M.E., Bolger, R.D., and Gallaway, P.J., 1993, Reconnaissance ground penetrating radar survey of the Barber Mill site, Boise, Idaho, report prepared for EnviroSearch International, Boise, Idaho: Boise State University, Center for Geophysical Investigation of the Shallow Subsurface, Technical Report BSU CGISS 93-03, 9 p., 15 figs, 1 plate.
- Petrich, C.R., 2003, Hydrogeologic conditions in the Boise Front Geothermal Aquifer, Idaho: Moscow, Water Resources Research Institute, Research Report IWRRI-2003-05, 76 p. [Also available at [http://geology.isu.edu/Geothermal/References/ResearchInstitute/Petrich\\_2003\\_IWRRI-05.pdf](http://geology.isu.edu/Geothermal/References/ResearchInstitute/Petrich_2003_IWRRI-05.pdf).
- Petrich, C.R., 2003, Investigation of hydrogeologic conditions and ground water flow in the Boise Front Geothermal Aquifer (Executive Summary), Idaho Water Resources Research Institute, Research Report IWRRI-2003-07.
- Petrich, C.R., 2004, Simulation of ground water flow in the lower Boise River basin: Moscow, University of Idaho Water Resources Research Institute, Research Report IWRRI-2004-02, 131 p. [Also available at <http://www.idwr.idaho.gov/WaterInformation/Projects/tvhp-revised/Reports/reports.htm>
- Petrich, C.R., 2004, Simulation of increased ground water withdrawals in the lower Boise River basin: Moscow, University of Idaho Water Resources Research Institute, Research Report IWRRI-2004-03, 50 p. [Also available at <http://www.idwr.idaho.gov/WaterInformation/Projects/tvhp-revised/Reports/reports.htm>  
**Also shown as: Simulation of potential increased Treasure Valley ground water withdrawals associated with unprocessed well applications. (JRB)**
- Petrich, C.R., 2004, Treasure Valley Hydrologic Project executive summary: Moscow, University of Idaho Water Resources Research Institute, Research Report IWRRI-2004-04, 33 p. [Also available at <http://www.idwr.idaho.gov/WaterInformation/Projects/tvhp-revised/Reports/reports.htm>
- Petrich, C.R., and Urban, S.M., 2004, Characterization of ground water flow in the lower Boise River basin, Addendum—Water Quality Data for Monitoring Well TVHP #4 Municipal Park: Moscow, University of Idaho Water Resources Research Institute, Research Report unnumbered, 15 p. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/Municipal-Park-Water-Chemistry-Data-Addendum.pdf>
- Petrich, C.R., and Urban, S.M., 2003, Characterization of ground water flow in the lower Boise River basin, Appendix C—Monitoring well diagrams: Moscow, University of Idaho Water Resources Research Institute, Research Report IWRRI-2003-09, 5 p. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/TVHP-Characterization-Appendix-C.pdf>
- Petrich, C.R., and Urban, S.M., 2004, Characterization of ground water flow in the lower Boise River basin: Moscow, University of Idaho Water Resources Research Institute, Research Report IWRRI-2004-01, 149 p. [Also available at <http://www.idwr.idaho.gov/WaterInformation/Projects/tvhp-revised/Reports/reports.htm>



- Phillips, W.M., 2007, Field trip guide to the natural hazards of the Boise Area, Idaho: Moscow, Idaho Bureau of Mines and Geology Staff Report 07-1, 26 p., accessed November 7, 2016, at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Field\\_Trip\\_Guide\\_to\\_the\\_Natural\\_Hazards\\_of\\_the\\_Boise\\_Area\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Field_Trip_Guide_to_the_Natural_Hazards_of_the_Boise_Area_Idaho)
- Powers, H.A., 1947, Diatomite deposits of southwestern *Idaho*: Bur. Mines and Geol., *Mineral Resources Report*; no.4, 27 p.
- Priest, T.W., Case, C.W., Witty, J.E., Preece, R.K., Jr., Monroe, G.A., Biggerstaff, H.W., Logan, G.H., Rasmussen, L.M., and Webb, D.H., 1972, Soil Survey of Canyon County area, Idaho: U.S. Dept. of Agriculture, Soil Cons. Service, 118 p., 1:20,000.
- Prinz, M., 1970, Idaho rift system, Snake River Plains, Idaho: Geol. Soc. Am. Bull., v. 81, p. 941-948.
- Ralston, D. R., memorandum to J. Beeman, Initial Hydrogeologic Analysis, November 6, 2008, Ralston Hydrologic Services, Inc., Moscow, Idaho.
- Ralston, D.R. and Chapman, S.L., 1968, Ground water resources in the Mountain Home Area, Elmore County, Idaho: Boise, Idaho Department of Reclamation, Water Information Bulletin 4, 63 p. [Also available at
- Ralston, D.R. and Chapman, S.L., 1968, Ground water resources of southern Ada County and western Elmore County, Idaho: Boise, Idaho Department of Reclamation, Water Information Bulletin 15, 52 p. [Also available at <http://www.idwr.idaho.gov/files/publications/wib04-gw-res-mthome-id.pdf>
- Ralston, D.R., and Chapman, S.L., 1969, Ground-water resources of northern Owyhee County, Idaho: Boise, Idaho Department of Reclamation, Water Information Bulletin 14, 85 p. [Also available at <http://www.idwr.idaho.gov/files/publications/wib14-gw-res-owyhee-id.pdf>
- Repenning, C.A., Weasma, T.R., and Scott, G.R., 1994, The early Pleistocene (latest Blancan-earliest Irvingtonian) Froman Ferry fauna and history of the Glens Ferry Formation, southwestern Idaho: U.S. Geological Bulletin 2105, 86 p. [Also available at <https://pubs.er.usgs.gov/publication/b2105>
- Riter, J.R., and Keimig, J.A., 1936, Boise River investigations, Idaho: U.S. Bureau of Reclamation, 212 p.
- Rivera, T.A., 2008, A geochemical and multi-isotopic approach to determine mantle source and petrogenesis of Late Cenozoic Basalts in the Western Snake River Plain, Idaho: Boise, Boise State University M.S. Thesis, 412 p. [Also available at <http://scholarworks.boisestate.edu/td/412/>
- Robertson, A.C., Sutter, R.J., Baldazo P.G., and Lutz, R.H., 1989, Stream flows in the Snake River Basin 1989 conditions of use and management: Boise, Idaho Department of Water Resources, Open-File Report, 27 p. [Also available at <http://www.idwr.idaho.gov/files/publications/198906-OFR-sf-snake-river-basin.pdf>

- Russell, I.C., 1902, Geology and water resources of the Snake River plains of Idaho: U.S. Geological Survey Bulletin 199, 192 p., 25 pl. [Also available at <https://pubs.er.usgs.gov/publication/b199>]
- Russell, I.C., 1903, Notes on the geology of southwestern Idaho and southeastern Oregon: U.S. Geological Survey Bulletin 217, 83 p., 18 pl. [Also available at <https://pubs.er.usgs.gov/publication/b217>]
- Russell, I.C., 1903, Preliminary report on artesian basins in southwestern Idaho and southeastern Oregon: U.S. Geological Survey Water Supply Paper 78, 53 p., 2 pl. [Also available at <https://pubs.er.usgs.gov/publication/wsp78>]
- SPF Water Engineering, LLC, 2004, Aquifer evaluation in the Big Gulch and Little Gulch areas of Spring Valley Ranch: Boise, Idaho, SPF Water Engineering, LLC, Report prepared for SunCor Development Company, 23 p., 6 apps, accessed November 7, 2016, at <https://idwr.idaho.gov/files/projects/east-ada-county/20090824-consultant-reports.zip> (/consultant\_reports/Avimor/Aquifer\_Evaluation\_10\_2004.pdf)
- SPF Water Engineering, LLC, 2009, Response to IDWR memos regarding aquifer recharge along 1-84 Corridor From Boise to Mountain Home: Boise, Idaho, SPF Water Engineering, LLC, report prepared by SPF Water Engineering, LLC for Elk Creek Canyon, LLC, p. [Also available at
- SPF Water Engineering, 2016, Treasure Valley DCMI water-demand projections (2015-2065): Boise, SPF Water Engineering, 131 p., 3 appendices. [Also available at [http://www.idwr.idaho.gov/files/publications/20160808-OFR-Treasure-Valley-Water-Demand-\(2015-2065\).pdf](http://www.idwr.idaho.gov/files/publications/20160808-OFR-Treasure-Valley-Water-Demand-(2015-2065).pdf)]
- Sadler, J.L. and Link, P.K., 1996, The Tuana Gravel: Early Pleistocene response to longitudinal drainage of a late-stage rift basin, western Snake River Plain, Idaho: Northwest Geology, v. 26, p. 46–62.
- Savage, C.N., 1958, Geology and mineral resources of Ada and Canyon Counties: Moscow, Idaho Bureau of Mines and Geology County Report C-3, 111 p. 2 figs in pocket. [Also available at <http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=GeologyandMineralResourcesofAdaandCanyonCounties>]
- Savage, C.N., 1961, Geology and mineral resources of Gem and Payette Counties: Moscow, Idaho Bureau of Mines and Geology County Report 4, 50 p., 2 figs. In pocket. [Also available at [http://www.idahogeology.org/PDF/County\\_Reports\\_\(C\)/C-4.pdf](http://www.idahogeology.org/PDF/County_Reports_(C)/C-4.pdf)]
- Scanlan Engineering, 2001, Final Report on the Quarry View Park Well Project: Letter to Elizabeth Cody, City of Boise Public Works Department, July 28, 2001, 3 p., 4 figs. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/TVHP-MW3-Quarry-View.pdf>]
- Schlegel, M.E., Mayo, A.L., Nelson, Steve, Tingey, Dave, Henderson, Rachel, and Eggett, Dennis, 2009, Paleo-climate of the Boise area, Idaho from the last glacial maximum to the present based on groundwater  $\delta^2\text{H}$  and  $\delta^{18}\text{O}$  compositions: Quaternary Research, v. 71, no. 2, p. 172–180.

- Schmidt, R.D., 2008, Modeling drain interactions with shallow groundwater in the Boise Valley using analytic elements, prepared for the U.S. Bureau of Reclamation by RD Schmidt and Associates, Boise, Idaho.
- Schmidt, R.D., and Dyke, D., 2000, Groundwater and surface-water interactions in the vicinity of Lake Lowell. Unpublished Bureau of Reclamation report. Boise, ID. 25 pp.
- Schmidt, R.D., Stodick, L., Taylor, G., and Contor, B., 2013, Hydro-economic modeling of Boise Basin water management responses to climate change: Moscow, Idaho Water Resources Research Institute Report 201301, 47 p., 3 appendices. [Also available at <http://digital.lib.uidaho.edu/cdm/ref/collection/idahowater/id/542>]
- Schmidt, R.D., Cook, Z., Dyke, D., Goyal, S., McGown, M., Tarbet, K., 2008, Distributed parameter water budget data base for the lower Boise Valley: U.S. Bureau of Reclamation, Pacific Northwest Region, 109 p. [Also available at [http://www.idwr.idaho.gov/WaterInformation/projects/nac/Publications/PDFs/A\\_Distributed\\_Parameter\\_Water\\_Budget\\_Data\\_Base\\_for\\_the\\_Lower.pdf](http://www.idwr.idaho.gov/WaterInformation/projects/nac/Publications/PDFs/A_Distributed_Parameter_Water_Budget_Data_Base_for_the_Lower.pdf).]
- Seitz, H.R., LaSala, A.M., and Moreland, J.A., 1977, Effects of drain wells on the ground-water quality of the western Snake Plain Aquifer, Idaho: U.S. Geological Survey Open-File Report 76-673, 83 p., 9 plates. [Also available at <https://pubs.er.usgs.gov/publication/ofr76673>]
- Shervais, J.W., Shroff, G., Vetter, S.K., Matthews, S., Hanan, B.B., and McGee, J.J., 2002, Origin of the western Snake River Plain: Implications from stratigraphy, faulting, and the geochemistry of basalts near Mountain Home, Idaho, *in* Bonnicksen, Bill, White, C.M. and McCurry, Michael, eds., Tectonic and magmatic evolution of the Snake River Plain Volcanic Province: Idaho Geological Survey Bulletin 30, Moscow, Idaho, p. 343-361. [Also available at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Tectonic\\_and\\_Magmatic\\_Evolution\\_of\\_the\\_Snake\\_River\\_Plain\\_Volcanic\\_Province](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Tectonic_and_Magmatic_Evolution_of_the_Snake_River_Plain_Volcanic_Province)]
- Skinner, K.D., 2005, Estimating streambed seepage using heat as a tracer on the lower Boise River, Canyon County, Idaho: U.S. Geological Survey Scientific Investigations Report 2005-5215, 25 p. [Also available at <https://pubs.usgs.gov/sir/2005/5215/>]
- Skinner, K.D., 2009, Evaluation of LiDAR-Acquired bathymetric and topographic data accuracy in various hydrogeomorphic settings in the Lower Boise River, Southwestern Idaho, 2007: U.S. Geological Survey Scientific Investigations Report 2009-5260, 13 p. [Also available at <https://pubs.er.usgs.gov/publication/sir20095260>]
- Skinner, K.D., 2011, Evaluation of LiDAR-acquired bathymetric and topographic data accuracy in various hydrogeomorphic settings in the Deadwood and South Fork Boise Rivers, West-Central Idaho, 2007: U.S. Geological Survey Scientific Investigations Report 2011-5051, 30 p. [Also available at <https://pubs.usgs.gov/sir/2011/5051/>]
- Smith, G.R., 1975, Fishes of the Pliocene Glens Ferry Formation, southwest Idaho: University of Michigan Museum of Paleontology Papers on Paleontology 14, p. 1-68.
- Smith, G.R., and Patterson, W.P., 1994, Mio-Pliocene seasonality on the Snake River plain- Comparison of faunal and oxygen isotope evidence: *Paleogeography, Paleoclimatology, Paleoecology*, v. 107, p. 291-302.

- Smith, G.R., Swirydczuk, K., Kimmel, P.G., and Wilkinson, B.H., 1982, Fish biostratigraphy of late Miocene to Pleistocene sediments of the western Snake River Plain, Idaho: Idaho Bureau of Mines and Geology Bulletin 26, p. 519. [Also available at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Volcanic\\_Ash\\_Stratigraphy\\_of\\_the\\_Glenns\\_Ferry\\_and\\_Chalk\\_Hills\\_Formations,\\_Western\\_Snake\\_River\\_Plain,\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Volcanic_Ash_Stratigraphy_of_the_Glenns_Ferry_and_Chalk_Hills_Formations,_Western_Snake_River_Plain,_Idaho) IGS site has TR-81-1 under B-26.
- Smith, R.N., 1980, Heat flow of the western Snake River Plain: Washington State University Department of Geology, M.S. Thesis, 141 p.
- Smith, R.N., 1981, Heat Flow, Chapter 5, *in* Mitchell, J.C., ed., Geothermal investigations in Idaho, Part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent area, Southwestern Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin 30, Part 11, p. 79-114. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p11-geothermal-nampa-caldwell-areas.pdf>
- Squires, Edward, 1992, Hydrogeologic framework of the Boise Aquifer System Ada County, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/585/>
- Squires, Edward, and Wood, S.H., 2001, Stratigraphic studies of the Boise (Idaho) aquifer system using borehole geophysical logs with emphasis on facies identification of sand aquifers: Boise, Report to the Treasure Valley Hydrologic Study, Idaho Department of Water Resources, 16 p. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/stratigraphic-studies-rpt-010801.pdf>
- Squires, Edward, Wood, S.H., and Osiensky, J.L., 1992, Hydrogeologic framework of the Boise aquifer system, Ada County, Idaho: Moscow, University of Idaho, Idaho Water Resources Research Institute Research Technical Completion Report 14-08-0001-G1559-06, reprinted with corrections, 75 p.
- Squires, E., Utting, M., and Pearson, L., 2007, M3 Eagle regional hydrogeologic characterization, North Ada, Canyon, and Gem Counties, Idaho, year one progress report —May 4, 2007: Boise, Idaho, Hydro Logic, Inc., consultants' report, 31 p., accessed November 7, 2016, at <https://idwr.idaho.gov/files/projects/north-ada-county/consultant-reports.zip> (/consultant\_reports/M3/M3 Eagle Regional Hydrogeologic Characterization Year One Progress Report- Final - July26-2007.pdf )
- Stacy, S.M., 1993, When the river rises—Flood control on the Boise River 1943-1985: Boulder, University of Colorado Program on Environment and Behavior Special Publication 27, 187 p.
- Steed, Robert, Winter, Gerry, and Cardwell, John, 1993, Idaho Snake-Payette River Hydrologic Unit Ground Water Quality Assessment, West Central Idaho: Boise, Idaho Department of Health and Welfare, Division of Environmental Quality, Ground Water Quality Technical report no. 3, 57 p. [Also available at [http://www.deq.idaho.gov/media/470566-water\\_data\\_reports\\_ground\\_water\\_snake\\_payette\\_rivers\\_hydrologic\\_unit\\_entire.pdf](http://www.deq.idaho.gov/media/470566-water_data_reports_ground_water_snake_payette_rivers_hydrologic_unit_entire.pdf)

- Stevens, P.R., 1962, Affect of irrigation on ground water in Southern Canyon County, Idaho: U.S. Geological Survey Water Supply Paper 1585, 74 p, plates in pocket. [Also available at <https://pubs.er.usgs.gov/publication/wsp1585>]
- Stoker, R.C., Kunze, J.F., Nelson, L.B., and Goldman, D., 1977, The Boise, Idaho geothermal reservoir, *in* Ramey, H.J. Jr. and Kruger, P., eds., Proceedings, Third Workshop Geothermal Reservoir Engineering, Stanford University, Stanford, CA, Dec. 14-15, 1977, SGP-TR-25-20, p. 130-137. OST Report number 888835 [Also available at <https://digital.library.unt.edu/ark:/67531/metadc874945/>]
- Stone, G.T., 1967, Petrology of upper Cenozoic basalts of the Snake River Plain (Ph.d Thesis): Univ. of Colorado, 392 p.
- Swanberg, C.A., and Blackwell, D.D., 1973, Areal distribution and geophysical significance of heat generation in the Idaho Batholith and adjacent intrusions in eastern Oregon and western Montana: Geol. Soc. of Amer. Bull. v. 64, no. 4, p. 1261-1282.
- Swirydczuk, Krystyna, Larson, G.P., and Smith, G.R., 1982, Volcanic ash stratigraphy of the Glens Ferry and Chalk Hills Formations, western Snake River Plain, Idaho: Idaho Bureau of Mines and Geology Technical Report 81-1, 60 p. [Also available at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Volcanic\\_Ash\\_Stratigraphy\\_of\\_the\\_Glens\\_Ferry\\_and\\_Chalk\\_Hills\\_Formations,\\_Western\\_Snake\\_River\\_Plain,\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Volcanic_Ash_Stratigraphy_of_the_Glens_Ferry_and_Chalk_Hills_Formations,_Western_Snake_River_Plain,_Idaho) IGS site has TR-81-1 under B-26.
- Swirydczuk, Krystyna, Larson, G.P., and Smith, G.R., 1982, Volcanic ash stratigraphy of the Glens Ferry and Chalk Hills Formations, western Snake River Plain, Idaho: Idaho Bureau of Mines and Geology Bulletin 26, 66 p. [Also available at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Volcanic\\_Ash\\_Stratigraphy\\_of\\_the\\_Glens\\_Ferry\\_and\\_Chalk\\_Hills\\_Formations,\\_Western\\_Snake\\_River\\_Plain,\\_Idaho](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Volcanic_Ash_Stratigraphy_of_the_Glens_Ferry_and_Chalk_Hills_Formations,_Western_Snake_River_Plain,_Idaho) IGS site has TR-81-1 under B-26.
- Swirydczuk, Krystyna, Wilkison, B.H., and Smith, G.R., 1979, The Pliocene Glens Ferry oolite-Lake-margin carbonate deposition in the southwestern Snake River Plain: Journal of Sedimentary Petrology, v. 49, p. 95-104.
- Tappa, D., 2013, Isotopic composition of precipitation in a topographically complex, seasonally snow-dominated watershed—Hydrometeorological controls and variations from the global meteoric water line: Boise, Idaho, Boise State University, Master's thesis, 81 p., accessed November 7, 2016, at <http://scholarworks.boisestate.edu/cgi/viewcontent.cgi?article=1372&context=td>
- Taubeneck, W.H., 1971, Idaho Batholith and its southern extension: Geol. Soc. America Bull., v. 83, p. 1699-1929 .
- Tesch, Craig, 2013, East Ada County comprehensive hydrologic investigation: Boise, Idaho Department of Water Resources Technical Report, 51 p. [Also available at <http://www.idwr.idaho.gov/files/publications/201310-MISC-East-Ada-County-Comprehensive-Hydrologic-Investigation.pdf>]

- Tesch, Craig, and Vincent, Sean, 2009, Evaluation of aquifer recharge in areas of planned community applications along the 1-84 corridor from Boise to Mountain Home: Boise, Idaho Department of Water Resources Memorandum, 9 p. [Also available at <http://www.idwr.idaho.gov/waterinformation/projects/eada/publications/PDF/dp8601.pdf>]
- Tesch, Craig, and Vincent, Sean, 2010, Technical Review of Groundwater Modeling in Support of Idaho Water Company Water Right Transfer #73811: Boise, Idaho Department of Water Resources Memorandum, 19 p. [Also available at <http://www.idwr.idaho.gov/waterinformation/projects/eada/publications/PDF/IWC-Review-4-14-10.PDF>]
- Thomas, C.A., and Dion, N.P., 1974, Characteristics of streamflow and ground-water conditions in the Boise River Valley Idaho: U.S. Geological Survey Water-Resources Investigations Report 74-38, 56 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/wri/wri7438>]
- Thoma, Michael, 2008, Investigating recharge routes to the Treasure Valley Aquifer System, Idaho using noble gas thermometry: Boise, Boise State University M.S. Thesis, 400 p. [Also available at <http://scholarworks.boisestate.edu/td/400/>]
- Tungate, A.M., and Berenbrock, C.E., 1995, Configuration of the water table, 1970 and 1992, and water-table change between 1970 and 1992 in the Boise area, Idaho: U.S. Geological Survey Water-Resources Investigations Report 94-4116, 1 sheet. [Also available at <http://pubs.er.usgs.gov/usgspubs/wri/wri944116>]

## U

- Udphuay, S., 2004, Outcrop-scale ground-penetrating radar and seismic imaging of unsaturated lacustrine delta sediments: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/435/>]
- Urban, R.C., and Diment, W.H., 1975, Heat flow on the south flank of the Snake River Rift (abs.): Geological Society of America, Rocky Mt. Section, v. 7, no. 5, p. 648.
- Urban, S.M., 2004, Water budget for the Treasure Valley aquifer system for the years 1996 and 2000: Moscow, University of Idaho Water Resources Research Institute, Research Report unnumbered, variously paged. [Also available at <http://www.idwr.idaho.gov/WaterInformation/Projects/tvhp-revised/Reports/reports.htm>]
- Urban, S.M., and Petrich, C.R., 1998, 1996 water budget for the Treasure Valley Aquifer System: Moscow, University of Idaho Water Resources Research Institute, Research Report unnumbered,
- U.S. Bureau of Reclamation, 2009, Modeling spatial water allocation and hydrologic externalities in the Boise Valley, U.S. Bureau of Reclamation, Pacific Northwest Region, Boise, Idaho.
- U.S. Geological Survey, 1971, Aeromagnetic map of southwestern Idaho: U.S. Geological Survey Open-File Report 71-290, 1 sheet. Superseded by GP-919.
- U.S. Geological Survey, 1978, Aeromagnetic map of Idaho: U.S. Geological Survey Geophysical Investigations Map GP-919, scale 1:500,000, 1 sheet. [Also available at <https://pubs.er.usgs.gov/publication/gp919>]

- Van Domelen, D.J., and Rieck, H.J., 1992, Paleomagnetic polarity of some vertebrate fossil localities of the Glenns Ferry Formation in the Chalk Hills, near Froman Ferry, western Snake River Plain, southwest Idaho: U.S. Geological Survey Open-File Report 92-542, 6 p. plus 3 p. figs., 7 p. tables. [Also available at <https://pubs.er.usgs.gov/publication/ofr92542>]
- Waag, C.J. and Wood, S.H., 1985, Base line data analysis of a developing geothermal system, Boise, Idaho: Idaho Water Resources Research Institute Completion Report, 25 p.
- Waag, C.J. and Wood, S.H., 1987, Analysis of historical and current drawdown and production data from the Boise geothermal system: Idaho Water Resources Research Institute Research Technical Completion Report 14-08-0001-G1222-02, 47 p.
- Waag, C.J. and Wood, S.H., 1987, Analysis of historical and current drawdown and production data from the Boise geothermal system: Moscow, Idaho Water Resources Research Institute Report USGS/G-1222-02, 58 p.
- Waag, C.J. and Wood, S.H., 1987, Evaluation of the Boise geothermal system: final report to Idaho Department of Water Resources, Boise, Idaho: Department of Geology & Geophysics, Boise State University, Boise, Idaho, contract #DWR-03-41-102-61, 70 p.
- Waag, C.J., and Wood, S.H., 1987, Geothermal investigations in Idaho, part 16-1, Evaluation of the Boise geothermal system: Boise, Idaho Department of Water Resources, Water Information Bulletin 30, part 16-1, variously paged. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p16p1-geothermal-boise-system.pdf>.]
- Waag, C.J., Wood, S.H., Baumhoff, A.L., Brown, W.G., Squires, E., and Clemens, D.M., 1988, Analysis of historical and current water-level and production data from the Boise geothermal system (abs.): Geological Society of America Abstracts with Programs, v. 20, no. 6, p. 473.
- Walling, J.A., 1998, Sand and gravel resource potential mapping in the Eagle 7 1/2-minute Quadrangle: Applications for land use planning: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/575/>]
- Warner, M.M., 1975, Special aspects of Cenozoic history of southern Idaho and their geothermal implications: 2nd United Nations Symposium on Development of Geothermal Potential, Proceedings, U.S. Government Printing Office, p. 653-663.
- Warner, M.M., 1977, The Cenozoic of the Snake River Plain of Idaho: 29th annual field conference, 1977 Wyoming Geological Association Guidebook, pp. 313-326.
- Warnick, C.C., and Brockway, C.E., 1974, Hydrology support study for a case study of Federal expenditures on a water and related land resource project, Boise Project, Idaho and Oregon: Moscow, Idaho Water Resources Research Institute Research Report OWRT Title II Contract C-4202, 146 p.
- Washburne, C.W., 1911, Gas and oil prospects near Vale, Oregon, and Payette Idaho, *in* Leonard, A.G., 1911, Contributions to economic geology, 1909, Part II, Mineral fuels-- Petroleum and Natural Gas: U.S. Geological Survey Bulletin 431-A, p. 26-55. [Also available at <https://pubs.er.usgs.gov/publication/b431A>]

- Watson, C.A., 1999, The Evolution of Guffey Butte Tuff Cone Complex, Western Snake River Plain, Idaho: Boise, Boise State University M.S. Thesis, xx p. [Also available at <http://scholarworks.boisestate.edu/td/465/>]
- Wheeler, H.E., and Cook, E.F., 1954, Structural and stratigraphic significance of the Snake River capture, Idaho-Oregon: *Journal of Geology*, v. 62, p. 525-536.
- Whitehead, R.L., 1984, Compilation of selected geophysical references for the Snake River plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 84-587, 1 sheet. Superseded by GIM-969. [Also available at <https://pubs.er.usgs.gov/publication/ofr84587>]
- Whitehead, R.L., 1986, Geohydrologic framework of the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Hydrologic Atlas 681, 3 sheets. [Also available at <http://pubs.er.usgs.gov/usgspubs/ha/ha681>]
- Whitehead, R.L., 1986, Compilation of selected geophysical references for the Snake River plain, Idaho and eastern Oregon: U.S. Geological Survey Geophysical Investigation Map 969, 1 sheet. [Also available at <https://pubs.er.usgs.gov/publication/gp969>]
- Whitehead, R.L., 1986, Geohydrologic framework of the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 87-107, 60 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr87107>]
- Wicherski, Bruce, 2000, Ground water quality investigation and wellhead protection study city of Fruitland, Idaho: Boise, Idaho Department of Environmental Quality Ground Water Quality Technical Report 17, 26 p., 12 figs. [Also available at [http://www.deq.idaho.gov/media/470674-water\\_data\\_reports\\_ground\\_water\\_fruitland\\_wellhead.pdf](http://www.deq.idaho.gov/media/470674-water_data_reports_ground_water_fruitland_wellhead.pdf).]
- Williams, M.L., 2011, Seasonal seepage investigation on an urbanized reach of the lower Boise River, southwestern Idaho, water year 2010: U.S. Geological Survey Scientific Investigations Report 2011-5181, 24 p. [Also available at <https://pubs.er.usgs.gov/publication/sir20115181>]
- Williams, M.L., and Etheridge, A.B., 2013, An evaluation of seepage gains and losses in Indian Creek Reservoir, Ada County, Idaho, April 2010–November 2011: U.S. Geological Survey Scientific Investigations Report 2013-5047, 28 p. [Also available at <https://pubs.er.usgs.gov/publication/sir20135047>]
- Williams, M.L., and MacCoy, D.E., 2016, Mercury concentrations in water and mercury and selenium concentrations in fish from Brownlee Reservoir and selected sites in the Boise and Snake Rivers, Idaho and Oregon, 2013–15: U.S. Geological Survey Open-File Report 2016-1098, 38 p. DOI: 10.3133/ofr20161098. [Also available at <https://pubs.er.usgs.gov/publication/ofr20161098>]
- Wood, M.S., and Etheridge, A.B., 2011, Water-quality conditions near the confluence of the Snake and Boise Rivers, Canyon County, Idaho: U.S. Geological Survey Scientific Investigations Report 2011-5217, 64 p. [Also available at <https://pubs.er.usgs.gov/publication/sir20115217>]



- Wood, M.S., Williams, M.L., Evetts, D.M, and Vidmar, P.J., 2014, Evaluation of seepage and discharge uncertainty in the middle Snake River, southwestern Idaho: U.S. Geological Survey Scientific Investigations Report 2014–5091, 34 p. [Also available at <http://dx.doi.org/10.3133/sir20145091>]
- Wood, S.H., 1989, Silicic volcanic rocks and structure of the western Mount Bennett Hills and adjacent Snake River Plain. Idaho: 28th International Geological Congress Field Trip Guide T305. American Geophysical Union, p. 69.
- Wood, S.H., 1994, Seismic expression and significance of a lacustrine delta in Neogene deposits of the western Snake River Plain, Idaho: American Association of Petroleum Geologists Bulletin, v. 78, no. 1, p. 102-121. [Also available at <http://archives.datapages.com/data/bulletns/1994-96/images/pg/00780001/0100/0102.pdf>]
- Wood, S.H., 1996, Preliminary map of the base of the sedimentary section of the Western Snake River Plain: Department of Geosciences, Boise State University, Geological interpretation for the Treasure Valley Hydrologic Project
- Wood, S.H., 1996, Cross sections of the southeast boundary of the Treasure Valley groundwater study area: notes on the geology of the Mayfield-Orchard Area, Ada and Elmore County, Idaho: Boise State University Geosciences, prepared for the Treasure Valley Hydrologic Project
- Wood, S.H., 1997, Hydrogeologic framework of the Boise Valley of Southwest Idaho: Dept. of Geosciences, Boise State University, Department of Geosciences, Contribution to the
- Wood, S.H., 1997, Structural contour map of the base of Quaternary basalt: Boise State University, Contribution to the Treasure Valley Hydrologic Project, 1 sheet, scale 1:100,000. [Also available at <http://www.idwr.idaho.gov/files/projects/treasure-valley/Murphy-MtHome-basalt-map.pdf>]
- Wood, S.H., 1997, Structural contour map of the top of Miocene basalt basement rocks, Western Snake River Plain, Idaho
- Wood, S.H., 1997, Structure contour map of top of the mudstone facies, western Snake River Plain, Idaho: Boise State University, Contribution to the Treasure Valley Hydrologic Project, 1 sheet, scale 1:100,000. [Also available at <http://www.idwr.idaho.gov/WaterInformation/Projects/tvhp-revised/Reports/reports.htm>]
- Wood, S.H., and Anderson, J.E., 1981, Geology, Chapter 2, *in* Mitchell, J.C., ed., Geothermal investigations in Idaho, Part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent area, Southwestern Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin 30, Part 11, p. 9-32, 6 pl. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p11-geothermal-nampa-caldwell-areas.pdf>]
- Wood, S.H., and Anderson, J.E., 1981, Geohydrology, Chapter 3, *in* Mitchell, J.C., ed., Geothermal investigations in Idaho, Part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent area, Southwestern Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin 30, Part 11, p. 33-42. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p11-geothermal-nampa-caldwell-areas.pdf>]

- Wood, S.H., and Burnham, W.L., 1983, Boise, Idaho geothermal system: Geothermal Resources Council Transactions, v. 7, p. 215-223.
- Wood, S.H., and Burnham, W.L., 1983, Geology of Boise, Idaho—Implications for geothermal development and engineering geology, *in* Buu, Tri, ed., Proceedings of the 20<sup>th</sup> Annual Engineering Geology and Soils Engineering Symposium, Boise, Idaho Department of Transportation, Division of Highways, 19 p.
- Wood, S.H. and Burnham, W.L., 1984, Boise geothermal system, western Snake River Plain, Idaho: American Association of Petroleum Geologists Bulletin, v. 68, no. 7, p. 955.
- Wood, S.H., and Burnham, W.L., 1987, Geologic framework of the Boise Warm Springs geothermal area, Idaho, *in* Beus, S.S., ed., Rocky Mountain Section of the Geologic Society of America, Centennial Field Guide Volume 2: Geological Society of America, p. 117-122.
- Wood, S.H., and Clemens, D.M., 2002, Geologic and tectonic history of the western Snake River Plain, Oregon and Idaho, *in* Bonnicksen, B., White, C.M., and McCurry, M., (eds.), 2004, Tectonic and magmatic evolution of the Snake River Plain Volcanic Province: Moscow, Idaho Geological Survey Bulletin 30, p. 69-103. [Also available at [http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Tectonic\\_and\\_Magmatic\\_Evolution\\_of\\_the\\_Snake\\_River\\_Plain\\_Volcanic\\_Province](http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Tectonic_and_Magmatic_Evolution_of_the_Snake_River_Plain_Volcanic_Province)]
- Wood, S.H., and Vincent, K., 1980, Geologic map of the Military Reserve Park area, Boise Foothills, Idaho: Boise State University, Department of Geology and Geophysics, contribution no. 50.
- Wood, S.H., Applegate, J.K., and Donaldson, P.R., 1981, Geophysics, Chapter 6, *in* Mitchell, J.C., ed., Geothermal investigations in Idaho, Part 11, Geological, hydrological, geochemical and geophysical investigations of the Nampa-Caldwell and adjacent area, Southwestern Idaho: Boise, Idaho Department of Water Resources Water Information Bulletin 30, Part 11, p. 115-130. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p11-geothermal-nampa-caldwell-areas.pdf>]
- Wood, S.H., Burnham, W.L., and Osterman, D., 1982, Field trip guide to the Boise east hills: Idaho Association of Professional Geologists.
- Wood, S.H., Mitchell, J.C., and Anderson, J.E., 1980, Subsurface geology and geothermal prospects in the Nampa- Caldwell area of the western Snake River Plain, Idaho: Transactions, Geothermal Resources Council, v. 4, p. 265- 267.
- Wood, W.W., and Low, W.H., 1987, Solute geochemistry of the Snake River plain regional aquifer system, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 86-247, 146 p. Superseded by PP 1408-D.
- Wood, W.W., and Low, W.H., 1987, Solute geochemistry of the Snake River plain regional aquifer system, Idaho and eastern Oregon: U.S. Geological Survey Professional Paper 1408-D, p. D1-D79. [Also available at <http://pubs.er.usgs.gov/usgspubs/pp/pp1408D>]
- Young, H.W., 1977, Reconnaissance of ground water resources in the Mountain Home Plateau Area, Southwest Idaho: U.S. Geological Survey Water-Resources Investigations Report 77-108, 40 p. [Also available at <https://pubs.er.usgs.gov/publication/wri77108>]

- Young, H.W., 1985, Geochemistry and hydrology of thermal springs in the Idaho batholith and adjacent areas, central Idaho: U.S. Geological Survey Water Resources Investigations 85-4172, 44 p., 2 plates. [Also available at <https://pubs.er.usgs.gov/publication/wri854172>]
- Young, H.W., and Lewis, R.L., 1980, Hydrology and geochemistry of thermal ground water in southwestern Idaho and north-central Nevada: U.S. Geological Survey Open-File Report 80-2043, 45 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr802043>]
- Young, H.W., and Mitchell, J.C., 1973, Geothermal investigations in Idaho, Part 1, Geochemistry and geologic setting of selected thermal waters: Idaho Department of Water Administration Water Information Bulletin 30, Part 1, 43 p. [Also available at <http://www.idwr.idaho.gov/files/publications/wib30p1-geothermal-thermal-waters.pdf>]
- Young, H.W., Parliman, D.J., and Mariner, R.H., 1988, Chemical and hydrologic data for selected thermal-water wells and nonthermal springs in the Boise Area, southwestern Idaho: U.S. Geological Survey Open-File Report 88-471, 35 p. [Also available at <http://pubs.er.usgs.gov/usgspubs/ofr/ofr88471>]
- Young, L.L., Colbert, J.L., Neal, D.W., and Flaherty, G.M., 1963, Gross theoretical waterpower, developed and undeveloped, Snake River basin, Wyoming, Idaho, Nevada, Oregon and Washington: U.S. Geological Survey Open-File Report 63-143, 42 p. [Also available at <https://pubs.er.usgs.gov/publication/ofr63143>]

### **Other data**

Idaho Geological Survey Oil and Gas data: Wells shown on interactive map, clicking on the well brings up the available data (lithologic and geophysical logs, etc.).  
<http://www.idahogeology.org/webmap/?show=oilgas>

Bureau of Reclamation project files for Boise Project. Five boxes, SRAO-1998, Boise Valley GW study, Darrell Dyke. Contact Brian Sauer

Boise Project Diversion Tables, 1930-1993, box 1 of 5