Preliminary bibliography of the Wood River Valley and surrounding area: Hydrology, geology, and fisheries

Compiled by J.R. Bartolino (JRB) and A.L. Brown (ALB)—Annotations are made in red.

A

Abrams, G.A., 1991, Complete Bouguer gravity anomaly map of the Hailey and western part of the Idaho Falls 1 degree by 2 degrees quadrangles, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map 2160-B, 1 sheet.

Anderson, K.E., 1961, Well interference study, Big Wood River valley: Twin Falls, Report prepared for Parry, Robertson, and Daly, Attorneys,

Anderson, A.L., and Wagner, W.R., 1946, Little Wood River (Muldoon District), Blaine County: Moscow, Idaho Bureau of Mines and Geology Pamphlet 75, 22 p.
A wartime reconnaissance study to reassess the abandoned district. Includes geology, structure, ore deposits, and descriptions of several mines. (JRB)

Anderson, A.L., and Wagner, W.R., 1946, A geological reconnaissance of the Hailey gold belt (Camas District), Blaine County: Moscow, Idaho Bureau of Mines and Geology Pamphlet 76, 26 p., 2 plates in pocket.
A wartime reconnaissance study to reassess the abandoned district. Includes general and economic geology and descriptions of several mines. (JRB)

Anderson, J.E., and Bideganeta, K., 1985, Geothermal investigations in Idaho, part 13, A preliminary geologic reconnaissance of the geothermal occurrences of the Wood River drainage area: Boise, Idaho Department of Water Resources Water Information Bulletin 30, Part 13, 49 p. Available online at URL: http://www.idwr.idaho.gov/hydrologic/info/pubs/wib/wib30p13-geothermal_wood_river_drainage_area.pdf
Examination of seven hot spring areas in the Big Wood River valley above Magic Reservoir. Includes geochemical analysis (plus stable isotopes) of 15 springs (7 non-thermal). (JRB)

Anderson, A.L., Kiilsgaard, T.H., and Fryklund, V.C., Jr., 1950, Detailed geology of certain areas in the Mineral Hill and Warm Springs mining districts: Moscow, Idaho Bureau of Mines and Geology Pamphlet 90, 73 p.

ASI Associates, 1997, Ketchum/Blaine County housing needs assessment:

B

Batchelder, J.N., and Hall, W.E., 1978, Preliminary geologic map of the Hailey 7.5 minute quadrangle, Idaho: U.S. Geological Survey Open-File Report 78-546, scale 1:24,000, 1 sheet. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr78546
Blueline preliminary map, no text beyond unit description. (JRB)

Bawiec, W.J., and Dee, L.L., 2001, Historical perspective of the mineral production of Idaho, with comments on the Hailey 1 degree x 2 degrees quadrangle, Idaho: U.S. Geological Survey Bulletin 2064-T, 21 p. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064T

Bell, R.J., 1968, Silver Creek fishery investigations-1966: Boise, Idaho Fish and Game report, p. 86-96. Available online at URL: http://conserveonline.org/docs/2004/06/SC_eval_1966.pdf
Idaho Fish and Game fisheries evaluation from the 1966 season at Silver Creek, Idaho. The evalution touches on stream vegetation, water temperature, and fisherman success. The main focus, however, is on a tagging study and the fish species composition. (bmccurdy@tnc.org)

Bell, R.J., 1967, Magic Reservoir fishery investigations: Boise, Idaho Department of Fish and Game, Federal Aid to Fish & Wildlife Restoration Job Completion Report, Project F32-R-9.

Bell, R.J., 1979, Regional fishery management investigations: Boise, Idaho Department Of Fish and Game, Federal Aid to Fish and Wildlife Restoration Job Performance Report, Project F-71-R-3, 28 p. Available online at URL: https://research.idfg.idaho.gov/Fisheries%20Research%20Reports/Volume%20043_Article%2003.pdf
Includes sections on the status of Magic Reservoir based on creel surveys, stream alteration on the Big Wood River and tributaries, and a brown trout study in the Little Wood River. (JRB)

Benchmark Associates, 1998 & 1999, Blaine County land capacity study

Bennett, E.H., 2001, The geology and mineral deposits of part of the western half of the Hailey 1 degree x 2 degrees quadrangle, Idaho; with sections on the Neal mining district and the Dixie mining district: U.S. Geological Survey Bulletin 2064-W, 39 p. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064W

Bennett, E.H., and Knowle, C.R., 1985, Tertiary plutons and related rocks in central Idaho, *in* McIntyre, D.H., ed., Symposium on the geology and mineral deposits of the Challis 1 degree by 2 degrees quadrangle, Idaho:
U.S. Geological Survey Bulletin 1658, chapter F, p. 81-95. Regional setting of intrusive rocks in central Idaho including the Pioneer Mountain stock, Clarendon Hot Springs stock, Triumph mine, and quartz diorite of Hailey. (JRB)

Berenbrock, C.E., Bassick, M. D., Rogers, T. L., and Garcia, S. P. 1995, Depth to water, 1991, in the Rathdrum Prairie, Idaho; Spokane River valley, Washington; Moscow-Lewiston-Grangeville area, Idaho; and selected intermontane valleys, east-central Idaho: U.S. Geological Survey Water-Resources Investigation Report 94-4087, scales 1:250,000, 1:317,000, 1:500,000, 3 maps on 2 sheets.
Includes the upper Big Wood River valley and Bellevue Triangle. A large data gap is shown above Silver Creek where no water levels were measured in the shallow system. (JRB)

Blackett, R.E., 1981, Preliminary investigation of the geology and geothermal resources at Guyer Hot Springs and vicinity, Blaine County, Idaho: University of Utah

Research Institute, Earth Science Laboratory Open-File Report ID/GHS/ESL-1, 24 p.

Blake, W.P., 1887, Wood River, Idaho, silver-lead mines: Engineering and Mining Journal, v. 44, p. 2-3.

Bostwick, D.A., 1955, Stratigraphy of the Wood River formation, south-central Idaho; Journal of Paleontology, v. 29, p. 941-951.

Breckenridge, R.M., and Othberg, K.L., 2006, Surficial geologic map of the Wood River Valley area, Blaine County, Idaho: Moscow, Idaho Geological Survey Digital Web Map DWM-54, scale 1:50,000, 1 sheet. Available online at URL: http://www.idahogeology.org/Products/MapCatalog/default.asp?switch=title&value=DWM-54

Breckenridge, R.M., and Othberg, K.L., 2006, Surficial geologic map of the Hailey Quadrangle, Blaine County, Idaho: Moscow, Idaho Geological Survey Digital Web Map DWM-55, scale 1:24,000, 1 sheet. Available online at URL: http://www.idahogeology.org/Products/MapCatalog/default.asp?switch=title&value=DWM-55

Breckenridge, R.M., and Othberg, K.L., 2006, Surficial geologic map of the Sun Valley Quadrangle, Blaine County, Idaho: Moscow, Idaho Geological Survey Digital Web Map DWM-56, scale 1:24,000, 1 sheet. Available online at URL: http://www.idahogeology.org/Products/MapCatalog/default.asp?switch=title&value=DWM-56

Breckenridge, R.M., and Othberg, K.L., 2006, Surficial geologic map of the Bellevue Quadrangle, Blaine County, Idaho: Moscow, Idaho Geological Survey Digital Web Map DWM-57, scale 1:24,000, 1 sheet. Available online at URL: http://www.idahogeology.org/Products/MapCatalog/default.asp?switch=title&value=DWM-57

Briar, D.W., Lawlor, S.M., Stone, M.A., Parliman, D.J., Schaefer, J.L., and Kendy, Eloise, 1996, Ground-water levels in intermontane basins of the northern Rocky Mountains, Montana and Idaho: Hydrologic Atlas 738-B, scale 1:750,000, 1 sheet.
Map from the Northern Rocky Mountains RASA. Southern boundary of map is Magic Reservoir. (JRB)

Brockway, C. E., and Grover, K.P., 1978, Evaluation of urbanization and changes in land use on the water resources of mountain valleys: Moscow, University of Idaho Water Resources Research Institute, ??? p.
The Idaho Water Resources Research Institute first introduced the use of a mathematical model to study groundwater in Blaine County in the mid 1970s. After selecting the Bellevue Triangle as the appropriate focus 3 objectives were specified: (1) obtain field data on the geohydrology of the region and develop a simulation model to evaluate impacts of land use changes on water resources; (2) make projections of land use changes and their potential effects on aquifer recharge patterns; (3) determine changes in groundwater levels and surface stream flows as affected by projected changes in recharge patterns. While not

addressing issues of water quality, this model predicted severe decreases (38%) in Silver Creek flows due to the shift from flood and furrow irrigation to sprinkler irrigation. Additionally it said water table and artesian aquifers could drop as much as 16 feet (ALB).

Brockway, C. E., and Kahlown, M.A., 1994, Hydrologic Evaluation of the Big Wood River and Silver Creek Watersheds Phase I: Kimberly, University of Idaho Water Resources Research Institute, Kimberly Research Center, 53 p. plus 5 appendices. Available online at URL: http://conserveonline.org/docs/2004/06/hydrology_phase1_1994.pdf
An evaluation of the hydrologic effects that changes in irrigation technology, population, climate and land use will have on Silver Creek, and its trout populations. This is a composition of the raw data that was collected to create a groundwater model. (bmccurdy@tnc.org)

Brown, A.L., Jr., 1998, Pesticides and the Silver Creek Preserve: An assessment of the feasibility and necessity of soil and water testing for contaminants: report for the Nature Conservancy, 06Jul98, 22 p.

Brown, A.L., Jr., 2000 , Summary Report: Hydrologic Evaluation of the Big Wood River and Silver Creek Watersheds: Ketchum, Hydronetics, 84 p.
Primarily an Executive Summary written to translate technical information from the Phase I and Phase II studies. This report also incorporates new research by the author but does not have ground-water quality data (ALB).

Brown, A.L., Jr., 2001, Silver Creek water quality monitoring protocol: report for the Nature Conservancy, 27Apr01, 17 p.

Brown, A.L., Jr., 2002, Report on water quality data, and research activity in Blaine County, Idaho: Ketchum, Water Resources Consulting, Report to Blaine County Board of Commissioners, 34 p.

Brown, A.L., Jr., 2002, Annual report: Blaine County groundwater quality monitoring network: Ketchum, Water Resources Consulting, Report for Blaine County Board of Commissioners, 25Sep02, project 467427, ?? p.

Brown, A.L., Jr., 2003, The hydrologic dimension, *in* Anonymous, ed., Silver Creek—Today and tomorrow: Hailey, Idaho, The Nature Conservancy, Proceedings from the Silver Creek Symposium, Nov. 15, 2003, Sun Valley, Idaho, p. 2-4.

Brown, A.L., Jr., 2003, Annual report: Blaine County groundwater quality monitoring network: Ketchum, Water Resources Consulting, Report for Blaine County Board of Commissioners, 22Sep03, 16 p.

Brown, A.L., Jr., 2004, Annual report: Blaine County groundwater quality monitoring network: Ketchum, Water Resources Consulting, Report for Blaine County Board of Commissioners, 31Oct04, ?? p.

Brown, A.L., Jr., and Davidson, Mark, 2001, Silver Creek ecological profile: report for the Nature Conservancy, 14Mar01, ?? p.

Brown and Caldwell Consulting Engineers, 1976, Blaine County wastewater facilities plan: Corvallis, Brown and Caldwell, 241 p. plus appendices.

Bruns, D.A., and Minshall, G.W., 1979, Effects of drought on the Big Wood River, Idaho: Pocatello, Department of Biology, Idaho State University,

Bureau of Reclamation, 1953, Upper Big Wood River supplemental storage, special report: Boise, Bureau of Reclamation, 31 p.
Feasibility study requested by the Big Wood River Water Users Association for additional storage on the upper Big Wood River. Examination of two primary large reservoir sites: Boulder Flats and Upper Ketchum. The two large sites were judged not economically feasible. Alternatives were combinations of water-management changes, construction of a small reservoir, and use of ground-water wells and drains to recover underflow. (JRB)

Bullock, J.H., Jr., Wilson, A.B., and Soulliere, S.J., 1990, Analytical results and sample locality maps of rock samples from the northwestern Idaho Falls and the northeastern Hailey 1 degree by 2 degrees degree quadrangles, Idaho: U.S. Geological Survey Open-File Report 90-645, 20 p. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr90645

Bureau of Reclamation, 1956, Upper Big Wood River Project, Idaho special report: Boise, Bureau of Reclamation,

Buhidar, B.B., 2002, The Big Wood River Watershed Management Plan: Twin Falls, Idaho Department of Environmental Quality, 177 p. Available online at URL: http://www.deq.state.id.us/water/data_reports/surface_water/tmdls/big_wood_river/big_wood_entire.pdf
Subbasin assessment and TMDL analysis for the Big Wood River subbasin. It describes the physical, biological, and cultural setting; water quality status; pollutant sources; and recent pollution control actions in the Big Wood River Subbasin. The subbasin assessment examines the current status of 303(d) listed waters, and defines the extent of impairment and causes of water quality limitation throughout the subbasin. The TMDL analysis quantifies pollutant sources and allocates responsibility for load reductions needed to return listed waters to a condition of meeting water-quality standards. (JRB)

Burkett, G.R. and Litke, R.T., 1989, Warm Springs Creek geothermal study: Idaho Department of Health and Welfare, Division of Environmental Quality, Water Quality Status Report No. 84, 76 p.

C

CH2M-Hill, 1974,

Castelin, P.M., and Chapman, S.L., 1972, Water resources of the Big Wood River-Silver Creek Area, Blaine County, Idaho: Boise, Idaho Department of Water Administration, Water Information Bulletin 28, 44 p. Available online at URL: http://www.idwr.idaho.gov/hydrologic/info/pubs/wib/wib28-big_wood_river-silver_creek_area.pdf
Intended as an update to previous studies, much of the information was derived

from Smith (1959). Original maps of water levels in the unconfined and confined systems. They note that the ground-water system is very responsive to changes in precipitation. They developed a new water budget: though some of the numbers were based on Smith (1959), the totals are considerably larger. Most water-quality data is from the USGS with two additional samples taken in 1970. They attributed elevated nitrate and TDS in Silver Creek to discharging irrigation water. Major conclusions were that the level of development had not adversely affected water resources in the area and additional large scale ground-water development could cause water-level declines. They recommended that no restrictions on ground- or surface-water development were then necessary. (JRB, ALB).

Castelin, P.M., and Winner, J.E., 1975, Effects of urbanization on the water resources of the Sun Valley-Ketchum Area, Blaine County, Idaho: Boise, Idaho Department of Water Resources, Water Information Bulletin 40, 86 p. Available online at URL: http://www.idwr.idaho.gov/hydrologic/info/pubs/wib/wib40-sun_valley-ketchum_area.pdf
Addresses water-quality and supply issues in the northern part of the Wood River Valley. Includes a refraction seismic survey, cross sections, water use, well logs, and a benthic species list. Numerous water-level measurements (over 100 wells) and water-quality analyses (14 wells, 13 surface-water sites) were made for the study. Stream health/biodiversity was evaluated and water-quality and stream-alteration effects described. They concluded that the potential ground- water supply was unknown and that the rivers and aquifers were highly connected. They also recommended the establishment of dedicated observation wells (JRB, ALB).

Chapman, S.H., 1921, Water distribution and hydrometric work, Districts 7 and 11, Big and Little Wood Rivers: Shoshone, Annual Report Watermaster Districts 7 and 11, 21 p., 67 charts.
A watermaster report dealing with selected surface flows and water quantity (ALB).

Clark, D.W., and Dutton, D.M., 1996, Quality of ground water and surface water in intermontane basins of the northern Rocky Mountains, Montana and Idaho: U.S. Geological Survey Hydrologic Atlas 738-C, scale 1:750,000, 1 sheet.
Map from the Northern Rocky Mountains RASA. Southern boundary of map is Magic Reservoir. Classifies ground and surface water into the eight chemical types and graphically shows main constituents and TDS concentrations. The Big Wood River-Silver Creek area is shown as a calcium bicarbonate water type. (JRB)

Clark, D., and Glasscock, D., 1997, Silver Creek: Idaho's fly fishing paradise: Caldwell, Caxton Press, 224 p.
Silver Creek is a book on fly fishing that looks at all of the elements that add to the enjoyment of a day on this famous stream. It answers questions on leaders, equipment selection, techniques, fly patterns, hatches and reading the water. The book also explores the Silver Creek mystique experienced by the Shoshone

Indians, Oregon Trail emigrants, local ranchers, land managers, and today's visitors. (Caxton Web site)

Clark, G.M., Maret, T.R., Rupert, M.G., Maupin, M.A., Low, W.H., and Ott, D.S., 1998, Water quality in the upper Snake River basin, Idaho and Wyoming, 1992-95: U.S. Geological Survey Circular 1160, 35 p. Available online at URL: http://pubs.er.usgs.gov/pubs/cir/cir1160
Brief summary of major issues and findings of the upper Snake River basin NAWQA. (JRB)

Connolly, J.B., and Shaffer, D.L., 2003, Development and application of a spatially-explicit nitrogen model for the Wood River valley watershed, Idaho: Cambridge, Massachusetts Institute of Technology, M. Eng. thesis, 162 p. Available online at URL: http://ceemeng.mit.edu/~Idaho/J&D_Thesis.pdf
Describes the development of a spatially-explicit nitrogen mass-balance model. Values for nitrogen inputs and losses are determined using basin-specific information and from applicable literature and were varied as a function of land use. Nitrogen loads were calculated for the entire Wood River watershed and the Upper Valley and the Northern Valley sub-watersheds. The thesis concludes that the watershed nitrogen load can be reduced by lowering agricultural nitrogen fertilizer application rates, controlling the size of new residential lots, and the tertiary treatment of more residential wastewater. (JRB)

Connolly, J.B., Lopez-Bernal, K.E., Shaffer, D.L., and Pabich, Wendy, 2003, Blaine County evaluation and assessment of nitrogen sources, final report: Cambridge, Massachusetts Institute of Technology, Project report for Sarah Michael, Blaine County Board of Commissioners, 225 p. Available online at URL: http://ceemeng.mit.edu/~Idaho/Report.pdf
The project report to the Blaine County Commissioners describing a spatially-explicit nitrogen mass-balance model and a watershed-based nitrogen trading system for the entire Wood River Valley watershed. Essentially a combination and summary of the Connolly and Shaffer, and Lopez-Bernal theses. (JRB)

Cornell, Howland, Hayes and Merryfield, Inc., 1974, Waqter and land related problems in urban areas of Idaho: Ketchum-Sun Valley: Project report B8126.0.

D

Darling, R.S., 1989, Geologic map and cross sections of the northern half of the Dollarhide Mountain Quadrangle, Blaine and Camas Counties, Idaho: Moscow, Idaho Geological Survey, Technical Report T-89-1, scale 1:24,000,

DesVoigne, D.G., Capestany, D.G., and Wallick, L., 1976, An evaluation of the influence of the Ketchum sewage treatment plant upon the Big Wood River, final report: Parametrix, Inc., report, 38 p., plus appendices.
Water-quality sampling at 10 sites (7 miles above Ketchum to 23 miles below Hailey) 27Dec75 and 02Jan76; benthic invertebrates were sampled once in this period. A second sampling was made 20-21Apr76. Minshall (1977) criticizes many aspects of the Parametrix report.

Dover, J.H., 1966, Bedrock geology of the Pioneer Mountains, central Idaho: Seattle, University of Washington, Ph.D. dissertation, 169 p.

Dover, J.H., 1969, Bedrock geology of the Pioneer Mountains, Blaine and Custer Counties, central Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet P-142, 66 p., 2 plates in pocket.
Primarily an examination of metamorphism, structure, and stratigraphy in the Pioneer Mountains northeast of the Wood River valley. (JRB)

Dover, J.H., 1981, Geology of the Boulder-Pioneer wilderness study area, Blaine and Custer counties, Idaho: U.S. Geological Survey Bulletin 1497, chapter A, p. 15-75, 5 plates in pocket.
Basic geology of the area east of the Big Wood River. Geologic mapping includes the Big Wood River valley floor. (JRB)

Dover, J.H., 1983, Geologic map and sections of the central Pioneer Mountains, Blaine and Custer Counties, Central Idaho: U.S. Geological Survey Miscellaneous Investigations Series I-1319, scale 1:48,000, 2 sheets.
Includes the upper canyon of the East Fork Big Wood River. (JRB)

Dover, J.H., Berry, William, B. N., and Ross, R.J., Jr., 1980, Ordovician and Silurian Phi Kappa and Trail Creek Formations, Pioneer Mountains, central Idaho; stratigraphic and structural revisions, and new data on graptolite faunas: U.S. Geological Survey Professional Paper 1090, 54 p., 1 plate in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/pp/pp1090
Stratigraphy and paleontology of the Ordovician and Silurian Phi Kappa and Trail Creek Formations. (JRB)

Dover, J.H., Hall, W.E., Hobbs, S.W., Tschanz, C.M., Batchelder, J.N., and Simons, F.S., 1976, Geologic map of the Pioneer Mountains region, Blaine and Custer Counties, Idaho: U.S. Geological Survey Open-File Report 76-75, scale 1:62,500, 1 sheet.

E

Eldridge, G.H., 1895, A geological reconnaissance across Idaho: U.S. Geological Survey Sixteenth Annual Report, Part 2, p. 264-271. Available online at URL: http://pubs.er.usgs.gov/pubs/ar/ar16_2
General and economic geology of the Wood River mining district with descriptions of mineralization of specific mining sites. (JRB)

Erdman, J.A., Moye, F.J., Bailey, Betty, O'Leary, R.M., and Roemer, T.A., 1990, Analytical results and sample locality maps of soil, plant (douglas-fir, sagebrush, sedge, aquatic moss), stream-sediment, and heavy- mineral-concentrate samples from the Baker Creek Study Area, Blaine County, Idaho: U.S. Geological Survey Open-File Report 90-57, Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr9057

Erdman, J.A., Moye, F.J., Theobald, P.K., McCafferty, A.E. and Larsen, R.K., 2001, Geochemical results of a hydrothermally altered area at Baker Creek, Blaine

County, Idaho: U.S. Geological Survey Bulletin 2064-GG, 21 p. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064GG

F

Falter, C.M., 1973, Limnology of Magic Reservoir, Big Wood River, Idaho: Pocatello, Idaho State University, report for the U.S. Army Corps of Engineers, Walla Walla, 16 p.

Farwell, F.W., and Full, R.P., 1944, Geology of the Empire copper mine near Mackay: U.S. Geological Survey Open-File Report 44-17, 22 p., 45 plates in 2 folios. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr4417
Wartime description of the economic geology of Empire copper mine, principal mine in the Alder Creek mining district, six miles southwest of Mackay. (JRB)

Federal Emergency Management Agency, 1997, Flood insurance study, City of Hailey, Idaho, Blaine County: Federal Emergency Management Agency, National Flood Insurance Program, Community number 160022, March 17, 1997 revision, 13 p., 1 plate.

Federal Emergency Management Agency, 1997, Flood insurance study, City of Ketchum, Idaho, Blaine County: Federal Emergency Management Agency, National Flood Insurance Program, Community number 160023, March 17, 1997 revision, 20 p., 11 plates.

Federal Emergency Management Agency, 1997, Flood insurance study, City of Sun Valley, Idaho, Blaine County: Federal Emergency Management Agency, National Flood Insurance Program, Community number 160024, March 17, 1997 revision, 15 p., 8 plates.

Federal Emergency Management Agency, 1997, Flood insurance study, unincorporated areas, Blaine County, Idaho: Federal Emergency Management Agency, National Flood Insurance Program, Community number 165167, March 17, 1997 revision, 55 p., 97 plates.

Federal Emergency Management Agency, 1998, Flood insurance study, City of Bellevue, Idaho, Blaine County: Federal Emergency Management Agency, National Flood Insurance Program, Community number 160021, July 20, 1998 revision, 21 p., 4 plates.

Federal Emergency Management Agency, 1998, Flood insurance study, unincorporated areas, Blaine County, Idaho: Federal Emergency Management Agency, National Flood Insurance Program, Community number 165167, July 20, 1998 revision, 55 p., 98 plates.

Federal Emergency Management Agency, 2000, Flood insurance study, unincorporated areas, Blaine County, Idaho: Federal Emergency Management Agency, National Flood Insurance Program, Community number 165167, April 20, 2000 revision, 59 p., 103 plates.

Finch, E.H., 1917, Muldoon district, *in* Umpleby, J.B., Geology and ore deposits of the Mackay region, Idaho: U.S. Geological Survey Professional Paper 97, p. 106-

110.
A description of the Muldoon District including geology, mining history, and specific mines and prospects.

Foley, D., and Street. L.V., 1988. Hydrothermal systems of the Wood River area, Idaho, *in* Link, P.K. and Hackett, W.R., eds., Guidebook to the geology of central and southern Idaho: Idaho Geological Survey Bulletin 27, p. 109-126.

Foley, D., Zeisloft, J., and Blackett, R.E., 1983, Hydrothermal systems of the Wood River district, Idaho: Geological Society of America Abstracts with Programs, v. 15, p. 416.

Folger, H.W., Erickson, M.S., and Briggs, P.H., 1990, Analytical results and sample locality map of stream-sediment and heavy-mineral-concentrate samples from the Little Wood River (ID-053-004) Wilderness Study Area, Blaine County, Idaho: U.S. Geological Survey Open-File Report 90-322, 16 p. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr90322

Francis, L.J. and Bjornn, T.C., 1979, Aquatic resources in the Nature Conservancy portion of Silver Creek: Moscow, University of Idaho, Forest, Wildlife and Range Experiment Station, Technical Report 9, ?? p.
An investigation enumerating aquatic life in the Nature Conservancy portion of Silver Creek. No water quality data and no conclusions other than recommendations for future study. Excellent treatment of inserts, plants, fish, and stream substrate performed by the Idaho Cooperative Fishery Research Unit. (ALB).

Francis, L.J. and Bjornn, T.C., 1979, A study of the aquatic resources in the Nature Conservancy portion of Silver Creek: Moscow, University of Idaho, report for the Nature Conservancy, 75 p.

French, 1914

Frenzel, S.A., 1989, Water Resources of the Upper Big Wood River Basin, Idaho: U.S. Geological Survey Water-Resources Investigation Report 89-4018, 47 p. Available online at URL: http://pubs.er.usgs.gov/pubs/wri/wri894018
This USGS report centered upon water resources of the Upper Big Wood River Valley. Objectives of this study were: (1) collection of historical geologic, hydrologic, water-use and water quality data; (2) measurement of groundwater levels and aquifer properties; (3) evaluation of surface to groundwater connectivity; (4) collection of groundwater and surface water quality data to determine if urbanization has affected water quality; and (5) estimation of surface water yields. Data on 84 wells were collected during 1986 which might be useful in trend analysis of water tables. Water quality data were collected in November of 1986 and March and August of 1987 at 7 surface and 6 groundwater sites located below populations centers. Groundwater quality values were also drawn on 14 parameters and, interestingly, compared with other studies of nitrate and Orthophosphate for both ground and surface water samples. Most findings were with respect to water quantity but the authors do state that water quality data showed that nutrient concentrations in surface and groundwater were near or

below detection levels. They concluded there were "…negligible changes in water quality due to upstream development and sewage disposal." (ALB).

G

Gebhards, S.V., 1960, Fishery investigations on Magic Reservoir: Jerome, Idaho Department Of Fish and Game, 11 p. Available online at URL: https://research.idfg.idaho.gov/Fisheries%20Research%20Reports/Volume%20019_Article%2015.pdf
Gill net, creel census, and fisherman counts for Magic Reservoir in 1959 and 1960. Yellow perch and red-side shiners were the dominant species in the reservoir with suckers, chubs, and trout. Competition reduced the number and size of trout—report recommended eradication of fish in Magic Reservoir and the main tributaries and reestablishment of trout. (JRB)

Gebhards, S.V., 1963, Silver Creek fishery investigations: Jerome, Idaho Department of Fish and Game, 8 p. Available online at URL: http://conserveonline.org/docs/2004/06/SC_eval_1963.pdf
The Idaho Department of Fish and Game fisheries evaluation from 1963. Describes fish species composition, vegetation, stream flow and temperature. (bmccurdy@tnc.org)

Geslin, J.K., 1986, The Permian Dollarhide Formation and Paleozoic Carrietown in the SWI/4 of the Buttercup Mountain quadrangle, Blaine and Camas Counties, Idaho: Pocatello, Idaho State University, M.S. thesis, 116 p.

Griffith, J.S., 1982, A baseline study of the aquatic ecology of upper Silver Creek, 1981-1982: Pocatello, Idaho State University, Department of Biology,

Griffith, J.S., 1985, Age and growth of brown and rainbow trout on portions of Silver Creek downstream from Silver Creek Preserve: Pocatello, Idaho State University, Department of Biology,

Griffith, J.S., Foster, W., and Spall, R., 1996, Silver Creek whirling disease—1995 survey, final report: Pocatello, Idaho State University, Department of Biology,

Griffith, J.S., Rose, F.L., Minshall, G.W., and Faler, C.Y., 1982, A baseline biological study of that portion of Grove Creek (Blaine County, Idaho) included in the McMahan easement: Pocatello, Idaho State University, Department of Biology, 17 p. Available online at URL: http://conserveonline.org/docs/2004/09/BASELN_BIO_STUDY_GROVE_CREEK.pdf
Over 600 meters of Grove Creek, a tributary to Silver Creek, was sampled to measure fish size, abundance and diversity. The composition of riparian vegetation, submerged aquatic vegetation, aquatic macroinvertebrates and sediment depth were measured as well. (ajenkins@tnc.org)

Gruber, D.P., Regional stratigraphic relations of the Milligen Formation, central and southern Idaho: Madison, University of Wisconsin, M.S. thesis,

Grunder, S.A., 1983, Effects of trampling on stream biota in Silver Creek: Pocatello, Idaho State University, Department of Biology,

Grunder, S.A., 1985, Biotic responses to sediment removal in a tributary of Silver Creek, Idaho: Pocatello, Idaho State University, M.S. thesis, 79 p.

H

Haight, H.G., 1963, Investigation of the Critical Ground-Water Area of Middle Big Wood River and Silver Creek, Blaine County, Idaho: Report to Idaho State Reclamation Engineer,

Hall, W.E., 1985, Stratigraphy and mineralization in middle and upper Paleozoic rocks of the central Idaho black shale mineral belt, *in* McIntyre, D.H., ed., Symposium on the geology and mineral deposits of the Challis 1 degree by 2 degrees quadrangle, Idaho: U.S. Geological Survey Bulletin 1658, chapter J, p. 117-131.
Stratigraphy, structure and mineral deposits of the black shale mineral belt including the Galena, East Fork, Boulder Basin, Triumph-Parker, Carrietown and Wood River mining districts. (JRB)

Hall, W.E., and Batchelder, J.N., 1979, Preliminary geologic map of the Baugh Creek southwest 7 ½ minute quadrangle, Idaho: U.S. Geological Survey Open-File Report 79-1617, scale 1:24,000, 1 sheet. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr791617
Blueline preliminary map, no text beyond unit description. (JRB)

Hall, W.E. and McIntyre, D.H., 1986, Eocene cauldron, batholith, and hydrothermal alteration east of Ketchum, Idaho: U.S. Geological Survey Open-File Report 86-0122, 5 p. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr86122
Mapping by Hall, Batchelder and others lead to the discovery of a cauldron and Eocene batholith with assocuiated hydrothermal alteration northwest of Ketchum in the Baker Creek drainage. (JRB)

Hall, W.E., Batchelder, J.N., and Douglass, R.C., 1974, Stratigraphic section of the Wood River Formation, Blaine County, Idaho: U.S. Geological Survey Journal of Research, v. 2, no. 1, p. 89-95.

Hall, W.E., Batchelder, J.N., and Tschanz, C.M., 1978, Preliminary geologic map of the Sun Valley 7.5 minute quadrangle, Idaho: U.S. Geological Survey Open-File Report 78-1058, scale 1:24,000, 1 sheet. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr781058
Blueline preliminary map, no cross sections, no text beyond unit description. (JRB)

Hall, W.E., Rye, R.O., and Doe, B.R., 1978, Wood River mining district, Idaho—Intrusion-related lead-silver deposits derived from country rock source: U.S. Geological Survey Journal of Research, v. 6, no. 5, p. 579-592.

Hardy, M.A., Parliman, D.J., and O'Dell, Ivalou, 2005, Status of and Changes in Water Quality Monitored for the Idaho Statewide Surface-Water-Quality Network, 1989-2002: U.S. Geological Survey Scientific Investigations Report 2005-5033, 59 p.

plus 3 appendices. Available online at URL:
http://id.water.usgs.gov/PDF/sir20055033/SIR2005_5033.pdf
The Idaho statewide surface-water-quality monitoring network consists of 56 sites that have been monitored from 1989 through 2002 to provide data to document status and changes in the quality of Idaho streams. This report describes the status of and changes in selected chemical and physical data collected for the Idaho statewide surface-water-quality monitoring network from 1989 through 2002. (http://id.water.usgs.gov/PDF/sir20055033/)

Hazen, B., 2000, Economic development of the Wood River Valley: Shoshone (ID): University of Idaho Extension System.

Heller, B., Scalici, M.J., Mix, M.A., and Young, L.J., 1995, Big Wood River, Blaine County, Idaho-Flood Hazard Mitigation Study: Hailey, River and Wetlands Restoration Company in association with MPE, Inc.

Holte, K.E., Rose, F.L., and Trost, C.H., 1970, An environmental survey of the Big and Little Wood Rivers in Idaho: University of Idaho Water Resources Research Institute Information Bulletin 4, report for the U.S. Army Corps of Engineers, Walla Walla, 20 p.
Catalogue of conditions and disturbances, possible effects of changes, and recommendations. (JRB)

Howe, S.S., and Hall, W.E., 1985, Light-stable-isotope characteristics of ore systems in Central Idaho: *in* McIntyre, D.H., ed., Symposium on the geology and mineral deposits of the Challis 1 degree by 2 degrees quadrangle, Idaho: U.S. Geological Survey Bulletin 1658, chapter P, p. 183-190.
Analysis of oxygen-18, deuterium, and sulfur-34 isotopes in samples to trace the source of mineral-emplacing hydrothermal waters. Sampled 20 mines in the Big Wood River watershed. (JRB)

Hustedde, G.S., Copeland, J.A., Strowd, W.B., Mitchell, V.E., and Bennett, E.H., 1981, Mines and prospects of the Hailey quadrangle, Idaho: Moscow, Idaho Bureau of Mines and Geology, Mines and Prospects Map Series MPM-10, 41 p., 1 plate in pocket.
Listing of mines and prospects within the Hailey 1:250,000 quadrangle. Includes names, locations, minerals, and references.

I

Idaho Department of Water Resources, 1978, Blaine County, Idaho, Water-related land use-1975: Boise, Idaho Department of Water Resources in cooperation with Pacific Northwest Regional Commission, 12 p., 4 plates. Scale 1:126,720.
Maps showing location of irrigated lands and the source of irrigation water diversions in April 1975.

Idaho Water Resource Board, 1972, Comprehensive rural water and sewerage planning study, Blaine County: Boise, Idaho Water Resource Board report, with sections by Stevens, Thompson and Runyan, Inc., 98 p.
Describes history and status of supply and wastewater systems for Blaine

County communities including maps of distribution/sewer lines. Provides plans and costs for improvements to systems for projected growth. Summarizes existing water-quality and streamflow data. (JRB)

Irvin, M.O., 1967, West to the Big Wood, as told by Issac Ives Lewis, 1825-1903: Iona, Ipas Publishing Co.,
(is this in The Idaho Story by the Idaho Poets and Writers Guild?)

Irving, R.B., 1955, Creel census summary of some streams, lakes and reservoirs within the South Central Idaho Fishery Management Area: Boise, Idaho Department of Fish and Game, 9 p. Available online at URL: https://research.idfg.idaho.gov/Fisheries%20Research%20Reports/Volume%20088_Article%2013.pdf

J

Jankovsky-Jones, Mabel, 1997, Conservation strategy for Big Wood River basin wetlands: Boise, Idaho Department of Fish and Game, Natural Resource Policy Bureau, Report prepared with funding from the USEPA, Grant No. CD990484-01-0, 32 p., 6 appendices. Available online at URL: http://fishandgame.idaho.gov/cms/tech/CDC/cdc_pdf/bwplan.pdf

Johnson, M.E., 1991, Soil survey of Blaine County area, Idaho: Soil Conservation Service, 198 p. Available online at URL: http://www.or.nrcs.usda.gov/pnw_soil/id_reports.html

Johnson, M.E., 2002, Wood River area, Idaho, Gooding County and parts of Blaine, Lincoln, and Minidoka Counties: Natural Resources Conservation Service, 369 p. Available online at URL: http://www.or.nrcs.usda.gov/pnw_soil/id_reports.html

Jones, R.P., 1952, Evaluation of streamflow records in the Big Wood River Basin, Blaine County, Idaho: U.S. Geological Survey Circular 192, 59 p., 1 plate in pocket.
Evaluation of streamflow records for 27 USGS gages in the Big Wood River basin emphasizing factors affecting record quality. Includes a very detailed catalogue of surface-water diversions with date, amount of right, use, and return flows. A good history of water use in the basin including a map of irrigated land in 1900, 1925, and 1950. Also includes descriptions of municipal water supplies and storage reservoirs. (JRB)

Joye, W.D., 1993, Silver Creek river journal: Portland, Frank Amato Publications, 48 p.
A guidebook--includes descriptions of hatches, fly plates, maps, seasons, guides, and accommodations. (JRB)

K

Kiilsgaard, T.H., Lewis, R.S., and Bennett, E.H., 2001, Plutonic and hypabyssal rocks of the Hailey 1 degree x 2 degrees quadrangle, Idaho: U.S. Geological Survey Bulletin 2064-U, 18 p. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064U

Kahlown, M.A., and Brockway, C.E., 1994, Hydrologic Evaluation of the Big Wood River and Silver Creek Watersheds Phase I: Pocatello, University of Idaho Water Resources Research Institute, ??? p.
Phase I sought to collect the data necessary to construct a MODFLOW model of the Big Wood River and Silver Creek watersheds. While an enormous compendium of data, very little information exists with respect to groundwater quality either in the study area or in the Wood River Valley. Some data are recorded, however, with respect to water levels and are available in Unix from IWRRI. See below (ALB).

Kingsbury, J.W., 1907, Paragenesis of the ores of the Minnie Moore and adjacent mines of Bellevue, Idaho: New York, Columbia University, M.A thesis,

L

LaPoint, P.J.I., 1977, Preliminary photogeologic map of the eastern Snake River Plain, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map 850, scale 1:250,000, 1 sheet.

Larson, T.A., 1974, Geology of the T1N and T2N, R22E, R23E, and R24E, Blaine and Butte Counties, south-central Idaho: Milwaukee, University of Wisconsin, M.S. thesis,

Leeman, W.P., 1982, Geology of the Magic Reservoir area, Snake River Plain, Idaho, *in* Bonnichsen, Bill, and Breckenridge, R.M., editors, Cenozoic geology of Idaho: Idaho Bureau of Mines and Geology Bulletin 26, p. 369-376.

Lindgren, Waldemar, 1900, The gold and silver veins of Silver City, De Lemar, and other mining districts in Idaho: U.S. Geological Survey Twentieth Annual Report, Part 3, p. 207-209.

Link, P.K., and Hacket, W.R., eds., 1988, Guidebook to the Geology of Central and Southern Idaho: Moscow, Idaho Geological Survey Bulletin B-27,

Link, P.K., Mahoney, J.B., Bruner, D.J., Batatian, L.D., Wilson, Eric, and Williams, F.J.C., 1995, Geologic map of outcrop areas of sedimentary units in the eastern part of the Hailey 1 degree x 2 degrees quadrangle and part of the southern part of the Challis 1 degree x 2 degrees quadrangle, south-central Idaho: U.S. Geological Survey Bulletin 2064-C, plate 1, 1 sheet. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064C

Lopez-Bernal, K.E., 2003, Design of a watershed-based nitrogen trading system for the Big and Little Wood Rivers watershed: Cambridge, Massachusetts Institute of Technology, M. Eng. thesis, 71 p. Available online at URL: http://ceemeng.mit.edu/~Idaho/K_Thesis.pdf
Describes the design of a watershed-based nitrogen trading system for the Big and Little Wood Rivers Watershed. The trading framework was developed based on case studies and extant system and included selection of a trading arrangement, development of a trading cap, design of a credit distribution system, establishment of a trading ratio, and qualification of transaction costs. A water balance was developed for the watershed and a yearly nitrogen cap was

suggested based on estimates for actual nitrogen concentration and loading.The suggested trading ratios varied with the distance of the non-point source from the river. (JRB)

Luttrell, S.P., and Brockway, C.E., 1982, Impacts of Individual On-Site Sewage Disposal Facilities on Mountain Valleys – Phase I: Moscow, Idaho Water & Energy Resources Research Institute, University of Idaho, Research Technical Completion Report A-084-IDA, 52 p.
See below (ALB).

Luttrell, S.P., and Brockway, C.E., 1984, Impacts of Individual On-Site Sewage Disposal Facilities on Mountain Valleys – Phase II – Water-Quality Considerations Moscow, Idaho Water & Energy Resources Research Institute, University of Idaho, Research Technical Completion Report WRIP/371403, 74 p.
In May of 1984 the authors published the findings of a multiple year project. Their earlier (1982) investigation determined current and projected building densities in the study area from the North Fork of the Big Wood River to 3 miles south of Bellevue as well as an evaluation of potential impacts of on-site sewage disposals systems on groundwater quality. The 1984 objectives were: (1) evaluate current/potential water-quality problems areas identified in Phase I; (2) install a groundwater quality monitoring network of existing wells from which water quality samples could be taken; (3) create a groundwater quality database; (4) evaluate a groundwater flow system and create a water table map; and (5) look at river/aquifer relationships. For the groundwater portion, 50 wells were chosen and sampled in summer 1983 and then a subset (26 wells) monitored every 6-8 weeks through March of 1984. Three chemical parameters were collected, nitrate, chloride and orthophosphate. In addition, data were collected on certain surface water variables. The observation wells were located in East Fork, Warm Springs and Lower Broadford Road. Findings stated no evidence of groundwater contamination was found in any well or surface sample. Wells closer to the river tended to have lower nitrate concentrations and the highest nitrate concentrations were found near an effluent disposal field serving several homes and just south of Bellevue. Lastly, a groundwater contour map was drawn. The authors recommended their data be utilized for any future water quality analyses (ALB).

M

Mabey, D.R., 1981, Aeromagnetic studies of the Boulder-Pioneer wilderness study area, Blaine and Custer counties, Idaho: U.S. Geological Survey Bulletin 1497, chapter B, p. 77-83, 5 plates in pocket.
Brief description of aeromagnetic surveys flown in the study area. Plate 3 is the residual magnetic intensity map which extends west to approximately Warfield Hot Spring and south to approximately Clear Creek. (JRB)

Mahoney, J.B., and Horn, M.C., 2005, Geology of the Vienna Mineralized Area, Blaine and Camas Counties, Idaho: U.S. Geological Survey Bulletin 2064-DD, 13 p. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064DD

Mahoney J.B., and Link, P.K., 1992, Geologic map of the Galena quadrangle, Blaine and Camas Counties, Idaho: Moscow, Idaho Geological Survey Technical Report T-92-3, scale 1:24,000

Malcolm, M.J., and Smith, C.L., 1991, Analytical results and sample locality maps of USGS and NURE samples from the Hailey 1 degree x 2 degrees Quadrangle, Idaho: U.S. Geological Survey Open-File Report 92-24, 268 p. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr9224

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 IMAP-373, scale 1:100,000.
Includes the southwest portion of the Bellevue triangle.

Maley, T.S., and Oberlindacher, Peter, 1994, Rocks and Potholes of the Big Wood River, South-Central Idaho: Information Circular I-54,
32 photographs. Pebbles, water, and time have combined to erode a basalt stream bed into a miles-long channel of exquisitely shaped rocks seen nowhere else on earth. This singular book thoroughly explains the geologic process leading to a most remarkable, 10,000-year-old natural exhibit. Beautiful black-and-white photographs and clear illustrations provide convincing support to the authors' thoughtful exploration. Also available are two 12 x 18-inch posters prepared from striking photographs in the book. These glossy black-and-white images are ready for display or framing. (IGS Web site)

Manuel, C.Y., Minshall, G.W., and Burns, D.A., 1978, Effects of nitrogenous wastes on aquatic plant growth in the Big Wood River, Idaho: Pocatello, Idaho State University, report for the U.S. Army Corps of Engineers, Walla Walla, 84 p.

Manuel, C.Y., Griffith, J.S., and Minshall, G.W., 1979, The sources and causes of sedimentation in Silver Creek, Blaine County, Idaho: Pocatello, Idaho State University, final report

Manuel, C.Y., Griffith, J.S., and Minshall, G.W., 1982, A baseline study of the aquatic ecology of upper Silver Creek, 1981-82: Pocatello, Idaho State University,

Maret, T.R., 1995, Water-quality assessment of the upper Snake River basin, Idaho and western Wyoming; summary of aquatic biological data for surface water through 1992: U.S. Geological Survey Water-Resources Investigation Report 95-4006, 59 p. Available online at URL: http://pubs.er.usgs.gov/pubs/wri/wri954006
A retrospective report summarizing existing information on aquatic biology and associated habitats of streams in the upper Snake River Basin, including the Wood River drainage. (JRB)

Maupin, M.A., Depth to water in the eastern 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 Investigation Report 90-4193, scales 1:1,000,000 and 1:750,000, 2 maps on 1 sheet.
Depth to water maps for the DRASTIC analyses of Rupert. Includes the Bellevue triangle. (JRB)

McCafferty, Anne, and Abrams, G.A., 1991, Aeromagnetic map of the Hailey and western part of the Idaho Falls 1 degree by 2 degrees quadrangles, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map 2160-A, 1 sheet.

Merkley, Krishna, and Griffith, J.S., 1993, Densities and habitat utilization of Wood River sculpin (Cottus leiopomus) on three Nature Conservancy preserves in Idaho: Pocatello, Idaho State University, Final report to The Nature Conservancy, 38 p. Available online at URL: http://conserveonline.org/docs/2004/09/01_FISH_FOLDER_1.pdf
This report summarizes the presence, population density and habitat utilization of Wood River sculpin in six different habitat types. (ajenkins@tnc.org)

Minshall, G.W., 1977, A literature search to determine the base-line conditions and effects of pollution on the Big Wood River and Magic Reservoir, Idaho: Pocatello, Idaho State University, report for the U.S. Army Corps of Engineers, Walla Walla, 24 p.
A review of studies on the Big Wood River and Magic Reservoir to determine if they describe baseline conditions, pollution sources and their effects, and the effect of the river on the reservoir. (JRB)

Mitchell, J.C., 1976, Geothermal investigations in Idaho, part 7, Geochemistry and geologic setting of the thermal waters of the Camas Prairie area, Blaine and Camas Counties, Idaho: Boise, Idaho Department of Water Resources, Water Information Bulletin 30, part 7, 44 p., 1 plate in pocket. Available online at URL: http://www.idwr.idaho.gov/hydrologic/info/pubs/wib/wib30p7-geothermal_camas_prairie_area.pdf
Geochemical analysis of 14 wells and springs mostly on Camas Prairie, but includes Magic Hot Springs well. (JRB)

Mitchell, V.E., Ott, M.H., Vance, R.E., and Bennett, E.H., 1991, Mines and prospects of the Hailey quadrangle, Idaho (2nd. Ed.): Moscow, Idaho Bureau of Mines and Geology, Mines and Prospects Map Series MPM-24, ?? p., 1 plate in pocket.
Listing of mines and prospects within the Hailey 2° quadrangle. Includes names, locations, mineral resources, and references. Revision of Hustedde and others (1981). (JRB)

Mitchell, V.E., 1997, History of the Boulder Mines Group, Blaine County, Idaho: Moscow, Idaho Geological Survey, Staff Report S-97-3,

Mitchell, V.E., 1997, History of the Triumph, Independence, and North Star Mines, Blaine County, Idaho: Moscow, Idaho Geological Survey, Staff Report S-97-1,

Mitchell, V.E., 2000, History of the Minnie Moore Mine, Blaine County, Idaho: Moscow, Idaho Geological Survey, Staff Report S-00-12,

Moreland, J.A., 1977, Ground water-surface water relations in the Silver Creek area, Blaine County, Idaho: Boise, Idaho Department of Water Resources, Water Information Bulletin 44, 42 p., 5 plates in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr77456
A ground-water/surface-water interaction study of the Silver creek area. Nineteen test holes at ten sites were drilled and used to describe the hydrogeologic

framework and develop a preliminary conceptual model. Streamflow measurements in May, June, and October of 1975 were used to calculate gains and losses by reach. Includes artesian well flows, a ground-water level map of the Bellevue triangle, cross sections, and water-use data. The first phase of an IDWR study that would culminate in a calibrated model of the aquifer. (JRB).

Mundorff, M.J., Crosthwaite, E.G., Kilburn, Chabot, 1964, Ground water for irrigation in the Snake River Basin in Idaho: U.S. Geological Water-Supply Paper 1654, 224 p., 6 plates in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/wsp/wsp1654
Assessment of the Snake River basin, including major tributary basins, for irrigation water potential. The study estimates the quantity of ground water available in various parts of the basin, depth to water, water quantity from individual wells, water quality, and the effects of pumping large quantities of water. The section on the Big Wood River-Silver Creek area is taken primarily from Smith (1959, 1960). (JRB)

N

National Park Service, 1975, Study report and plan, proposed Sawtooth National Park-National Recreation Area, Idaho: National Park Service, 74 p.
Description of the environment, resources, and current use of the study area, proposed management plan, and various appendices. (JRB)

Natural Resources Conservation Service, 1996, Silver Creek Watershed Preliminary Investigation (USDA).
This study was put together by several agencies with the Natural Resources Conservation Service serving as lead. Driven by a request form the Blaine County Soil Conservation District compiled a resource assessment of the water quality problems associated with the Silver Creek watershed. Its objectives were: (1) identify pollution sources impairing beneficial uses; (2) develop alternative solutions to protect beneficial uses in Silver Creek; (3) coordinate activities to minimize duplication and provide a balanced resource management effort; (4) look at future action; (5) look for money; and (6) maintain quality of Silver Creek fisheries. Some water quality information is found here but it is primarily directed toward Silver Creek, not comparative, nor digitalized. Excellent biological insights into the Silver Creek watershed (ALB).

Nielson, Judith, 1982, The descriptive inventory of the papers of John E. Hayes relating to a survey of Snake River waters (1902-1937) in the University of Idaho Library: Moscow, University of Idaho Library, Special Collections Manuscript Group 13, reports, folders, maps, and charts in 23 file boxes, one paper container of five maps, and three circular metal map cans.
This archival group contains reports, memoranda, charts, graphs, maps, photographs, and other material collected by or written by John E. Hayes, a Twin Falls hydraulic engineer, in connection with his survey of the Snake River. This study, which was financed by the Milner Corporation, representing the original Twin Falls Land and Water Company, "began in 1932 and for more than two

years, Mr. Hayes devoted most of his time pursuing Snake River Waters above ground and under ground. His purpose was to determine sources of increment, conditions affecting losses as well as increment, fluctuation of supply and influences contributing to fluctuation; diversions from the river, manner and effect of utilization of water, conditions determining successful irrigation, etc. Includes data on Big Wood and Little Wood Rivers. See URL: http://www.lib.uidaho.edu/special-collections/Manuscripts/mg013.htm

O

O'Brien, J.P., Lewis, R.S., Link , P.K., Whitman, S.K., Geslin, J.K., and Schmidt, K.L., 1993, Geologic Map of the Buttercup Mountain Quadrangle, Blaine and Camas Counties, Idaho: Moscow, Idaho Geological Survey Technical Report T-93-1, scale 1:24,000

Otto, B.R., and Turner, R.J.W., 1987, Stratigraphy and structure of the Milligen Formation, Sun Valley area, Idaho: Northwest Geology, v. 16, p. 95-103.

P

Parker, B.L., Effects of a decade of catch-and release regulations on a rainbow trout population in Silver Creek, Idaho: Pocatello, Idaho State University, M.S. thesis, 43 p.

Parker, B.L., and Riehle, M.D., 1986, Silver Creek Fishery Evaluation – 1986: Pocatello, Idaho State University, Available online at URL: http://conserveonline.org/docs/2004/06/SC_eval_1986.pdf
A fishery investigation and evaluation from Silver Creek, Idaho prepared for ID F and G and The Nature Conservancy. This paper describes species composition, growth of juvenile and adult trout, adult trout population estimates, juvenile trout densities, angler effort and habitat utilization by adult and juvenile trout. (bmccurdy@tnc.org)

Platts, W.S., and Roundtree, C., 1974, Aquatic environment and fisheries study to document conditions in the upper Salmon river, Big Smoky Creek, Big Wood River, and South Fork Payette river prior to the construction and operation of pollution abatement facilities: Boise, U.S. Forest Service, 60 p., plus appendices.

Prater, L.S., 1948, Beneficiation tests on ore from the Sun Valley barite mine, Blaine County, Idaho Moscow, Idaho Bureau of Mines and Geology Pamphlet P-81, 11 p.
Laboratory tests on the feasibility of a different milling method to reduce the cost of processing barite from the Sun Valley barite mine. (JRB)

Q

R

Ratchford, M.E., 1994, Geologic Map and Cross Sections Within the Rock Roll Canyon and Amber Lakes Quadrangles, Blaine and Custer Counties, Idaho: Moscow, Idaho Geological Survey Technical Report T-94-2, scale 1:24,000

Rember, W.C., and Bennett, E.H., 1979, Geologic map of the Hailey quadrangle, Idaho: Moscow, Idaho Bureau of Mines and Geology, Geologic Map Series, scale 1:250,000.

Renk, Russ, 1986, Impacts of geothermal waters on selected streams in southern Idaho: Idaho Department of Health and Welfare, Division of Environment, Water Quality Status report 60, 13 p., plus 2 appendices.
Warm Springs and Deer Creeks and the Big Wood River were sampled in order to determine current impact of geothermal discharges and capacity for further discharge based on fluoride concentrations. (JRB)

Riehle, M.D., Changes in habitat utilization and feeding chronology of juvenile rainbow trout at the onset of winter in Silver Creek, Idaho: Pocatello, Idaho State University, M.S. thesis, 61 p.

Riehle, M.D., Parker, B.L., and Griffith, J.S., 1989, Silver Creek Fisheries Evaluation–1989: Pocatello, Idaho State University, Final report to Idaho Department of Fish and Game, Project F-71-R-12, subproject III, job 5, 95 p. Available online at URL: http://conserveonline.org/docs/2004/06/SC_eval_1989.pdf
An investigation of fish populations at Silver Creek, Idaho, from the time period July 1987 to July 1988. This report looked at the effect that 10 years of catch-and-release regulations had on Silver Creek. (bmccurdy@tnc.org)

Riehle, M.D., Parker, B.L., and Griffith, J.S., 1989, Rainbow trout populations in Silver Creek, Idaho, following a decade of catch and release: Wild Trout IV Symposium, Mammoth, WY

Ross, C.P., 1927, The Vienna District, Blaine County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 21,

Ross, C.P., 1963, Geology along U.S. Highway 93 in Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 130, 98 p.
Detailed road logs of U.S. Highway 93 covering all aspects of geology and it's effects on the history of the area. (JRB)

Rupert, M.G., 1997, Nitrate (NO_2+NO_3-N) in ground water of the Upper Snake River basin, Idaho and western Wyoming, 1991-95: U.S. Geological Survey Water-Resources Investigation Report 97-4174, 47 p. Available online at URL: http://onlinepubs.er.usgs.gov/djvu/WRI/wrir_97_4174.djvu
Study of nutrients for the Eastern Snake River Plain NAWQA. Focuses on determining probability of nitrate contamination. An improvement of the methodology used in Rupert and others (1991) using statistics—yielded probability categories not vulnerabilities. Includes the Bellevue triangle which was

rated as having high to medium probability of contamination. Includes some ground-water isotope data. (JRB)

Rupert, M.G., 1998, Probability of detecting atrazine/desethyl-atrazine and elevated concentrations of nitrate (NO_2+NO_3-N) in ground water in the Idaho part of the upper Snake River basin: U.S. Geological Survey Water-Resources Investigation Report 98-4203, 32 p., 1 plate in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/wri/wri974174
Study of nutrients for the Eastern Snake River Plain NAWQA. Focuses on determining probability of nitrate contamination. A further improvement of the statistical methodology used in Rupert and others (1991) and Rupert (1997) — yielded numerical probability of detection for atrazine and nitrogen components. The atrazine analysis includes the entire Wood River watershed that is ranked less than 39 percent except for areas in the Bellevue triangle and Carey area that ranked up to greater than 79 percent probability of detection greater than 0.001 micrograms per liter in wells 150 feet deep. The nitrite plus nitrate probabilities were only mapped for the Wood River valleywhere probabilities ranged from less than 29 percent to greater than 49 percent for areas in the Bellevue triangle. Many of the atrazine and metabolites analyses were done with ELISA techniques. (JRB)

Rupert, M.G., 1999, Improvements to the DRASTIC ground-water vulnerability mapping method: U.S. Geological Survey Fact Sheet FS-066-99, 6 p. Available online at URL: http://id.water.usgs.gov/PDF/factsheet/DRASTIC.pdf
Describes the modified calibration procedure (NO_2+NO_3-N point data) used in Rupert (1998). (JRB)

Rupert, M.G., 2001, Calibration of the DRASTIC ground water vulnerability mapping method: Ground Water, v. 39, no. 4, p. 625-630.
Describes the modified calibration procedure (NO_2+NO_3-N point data) used in Rupert (1998). Nearly identical to Rupert (1999). (JRB)

Rupert, M.G., Stone, M.A., and Ott, D.S., 1996, National Water-Quality Assessment Program; nitrate and pesticides in ground water, Blaine, Cassia, Lincoln, and Minidoka Counties, south-central Idaho: U.S. Geological Survey Fact Sheet 246-95, 4 p.

Rupert, M.G., Dace, Tana, Maupin, M.A., and Wicherski, Bruce, 1991, Ground-water vulnerability assessment, Snake River Plain, southern Idaho: Boise, Idaho Department of Health and Welfare, Division of Environmental Quality, Ground Water Quality Technical Report 2, 25 p. Available online at URL: http://www.deq.state.id.us/water/data_reports/ground_water/snake_river_plain_vulnerability_entire.pdf
A modified form of the DRASTIC program was used to assess ground-water vulnerability to contamination. Results (on a 1:500,000 scale map) include the Bellevue triangle which was rated as having very high to moderate vulnerability. (JRB)

S

Sandberg, C.A., Hall, W.E., Batchelder, J.N., and Axelson, Claus, 1975, Stratigraphy, conodont dating, and paleontologic interpretation of the type Milligen Formation (Devonian), Wood River area, Idaho: U.S. Geological Survey Journal of Research, v. 3, no. 6, p. 707-720.

Sanford, R.F., and Snee, L.W., 2005, Geology and stratigraphy of the Challis Volcanic Group and related rocks, Little Wood River area, south-central Idaho: U.S. Geological Survey Bulletin 2064-II, 25 p. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064II

Sanford, R.F., Whitney, H.A., McCafferty, A.E., and Gese, D.D., 1989, Mineral resources of the Little Wood River Wilderness study area, Blaine County, Idaho: U.S. Geological Survey Bulletin 1721, chapter D, 17 p., 1 appendix, 1 plate in pocket.
Basic geology and resource assessment of the area east of Hailey. Includes geochemistry and geophysics. The study concluded that the area contains no identified mineral resources. (JRB)

Schmidt, D.L., 1961, Quaternary geology of the Bellevue area in Blaine and Camas Counties, Idaho: Seattle, University of Washington, Ph.D. dissertation, 229 p.

Schmidt, D.L., 1962, Quaternary geology of the Bellevue area in Blaine and Camas Counties, Idaho: U.S. Geological Survey Open File Report 62-120, 127 p. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr62120
A description of the Quaternary stratigraphy and geologic history. Briefly describes pre-Quaternary rocks and geologic events.

Schmidt, K.L., 1997, Geologic Map of Part of the Galena Peak and Ryan Peak Quadrangles, Blaine and Camas Counties, Idaho: Moscow, Idaho Geological Survey Technical Report T-97-1, scale 1:24,000

Schultz, T.S., 1993, Assessing the impacts of on-site sewage systems on groundwater quality Blaine County, Idaho: Seattle, University of Washington, M.P.H. thesis,
This study is the author's Masters thesis and it seeks to replicate the 1984 work of Luttrell and Brockway. In drawing samples from 18 of the 26 original wells results indicated that levels of nitrates found in 1992 were lower than 1983 while chlorides were slightly elevated (but still far below EPA contaminant thresholds). The findings again present a chance to compare groundwater quality values over time (ALB).

Scott, W.E., 1982, Surficial geologic map of the eastern Snake River Plain and adjacent areas, 111 to 115 west, Idaho and Wyoming: U.S. Geological Survey Miscellaneous Investigations Series I-1372, scale 1:250,000, 2 sheets.

Shannon, S.S., Jr., 1964, Geochemical reconnaissance of the Vienna District, Blaine and Camas Counties, Idaho: Moscow, University of Idaho, Ph.D. dissertation, 158 p.,

Sias, D.S., 1976, The herpetology of Silver Creek, Idaho: A field report: Available online at URL: http://conserveonline.org/docs/2004/06/SC_herp_1976.pdf

A summary of the herpetology of the Silver Creek Preserve, prior to purchase in 1976. The information is applicable to all areas in Idaho at the border between the northern Rocky Mountains and the Great Basin. (bmccurdy@tnc.org)

Simons, F.S., 1981, A geological and geochemical evaluation of the mineral resources of the Boulder-Pioneer wilderness study area, Blaine and Custer counties, Idaho: U.S. Geological Survey Bulletin 1497, chapter D, p. 87-180, 5 plates in pocket.
Catalog and economic analysis of mining claims in the four mining districts in the study area. (JRB)

Skipp, Betty, Hall, W.E., and Link, P.K., 1994, Geologic map of the Mahoney Butte quadrangle, Blaine County, Idaho: U.S. Geological Survey Geologic Quadrangle 1742, 1 sheet.

Smith, R.O., 1959, Ground-water resources of the Middle Big Wood River-Silver Creek area, Blaine County, Idaho: U.S. Geological Survey Water-Supply Paper 1478, 61 p., 2 plates in pocket.
After the Bureau of Reclamation (1953) rejected dam construction, the ground-water resources of the valley were assessed to see if additional supply for irrigation could be obtained. Ten test wells were drilled, 5 had recorders, hydraulic properties, 35 wells and springs and 5 SW samples were collected (JRB).

Smith, R.O., 1960, Geohydrologic evaluation of streamflow records in the Big Wood River Basin, Idaho: U.S. Geological Survey Water-Supply Paper 1479, 64 p., 4 plates in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/wsp/wsp1479
Supplements Jones (1952) evaluation of the effect of surface-water diversions on streamflow records of the entire Big Wood River basin. This report addresses the geologic factors that affect the occurrence and movement of ground water, the rate of discharge in surface streams, and the applicability of records of discharge at each gaging station. Includes cross sections at each gage and estimates of withdrawals and underflow. (JRB)

Soil Conservation Service, 1974, Preliminary report of the soil survey and interpretations for the upper Big Wood River area, Blaine County, Idaho: Hailey, Soil Conservation Service, 20 p. plus appendices.

Soil Conservation Service, 1979, Special soil survey report for the upper Big Wood River area, Idaho:

Southworth, C.S., 1988, Preliminary lineament map of the Hailey, Idaho and west half Idaho Falls, Idaho 1 degree x 2 degree quads with inset of regional image mosaic and geologic structures: U.S. Geological Survey Open-File Report 88-640, 1 sheet. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr88640

Stearns, H.T., Crandall, Lynn, and Steward, W.G., 1938, Records of wells on the Snake River Plain, southeastern Idaho: U.S. Geological Survey Water-Supply Paper 775, 139 p. Available online at URL: http://pubs.er.usgs.gov/pubs/wsp/wsp775
Records of wells (location, depth, altitude, measuring point) and depths to water by date. (JRB)

Stearns, H.T., Crandall, Lynn, and Steward, W.G., 1938, Geology and ground-water resources of the Snake River Plain in southeastern Idaho: U.S. Geological Survey Water-Supply Paper 774, 268 p., 6 plates in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/wsp/wsp774
The purpose of the investigation was to determine the direction of movement of the ground water in the Snake River Plain above King Hill and the respective amounts of water contributed by seepage from the Snake River and tributary streams, from precipitation on the plain itself, and from irrigation water. Has a section on the Big Wood and Little Wood River valleys. Has gain-loss estimates for 1920. Notes that recharge from the river/canal/irrigation reappears in Silver Creek or the Big Wood River, thus there is no subsurface ground-water flow out of the upper valley. (JRB)

Stearns, N.D., Stearns, H.T., Waring, G.A., 1937, Thermal springs in the United States: U.S. Geological Survey Water-Supply Paper 679-B, 206 p., 1 plate in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/wsp/wsp679B
A compilation and summary of the available information on the thermal springs of the United States, many original data. It summarizes the previous work, contains maps of spring locations, tabulates the principal data, and includes a selected bibliography. There are no chemical analyses of water are 'not included, but the annotated bibliography indicates which publications contain analyses. (JRB)

Stewart, D.E., Geslin, J.K., Mahoney, J.B., Darling, R.S., and Link, P.K., 1992, Geologic Map of the Baker Peak Quadrangle, Blaine and Camas Counties, Idaho: Moscow, Idaho Geological Survey Technical Report T-92-1, scale 1:24,000

Street, L.V., 1990, Geothermal investigations in Idaho, part 17, Geothermal resource analysis in the Big Wood River valley, Blaine County, Idaho: Boise, Idaho Department of Water Resources, Water Information Bulletin 30, part 17, 26 p., 1 plate in pocket. Available online at URL: http://www.idwr.idaho.gov/hydrologic/info/pubs/wib/wib30p17-geothermal_big_wood_river_valley.pdf
Geochemical analysis of 12 springs (5 non-thermal) in the Big Wood River valley above Magic Reservoir. (JRB)

Stone, M.A., Parliman, D.J., and Schaefer, J.L., 1996, Selected geohydrologic data from a regional aquifer-system analysis of the Northern Rocky Mountains intermontane basins in Idaho: U.S. Geological Survey Open-File Report 96-207, 30 p. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr96207
Data for the Idaho portion of the Northern Rocky Mountains RASA: selected geohydrologic data from 1,004 wells in 19 intermontane basins in Idaho. Data are: basin name and well number, altitude of land surface, date of well construction, geologic unit, depth of well, diameter of casing, type of finish, top of open interval, primary use of water, date of water level measurement, water level, discharge, specific capacity, source of discharge data, type of log available, date of water-quality constituent measurement, specific conductance, pH, and temperature. Includes wells in the Big Wood River/Silver Creek area. (JRB)

Struhsacker, D.W., Jewell, P.W., Zeisloft, Jon, and Evans, S.H., Jr., 1982, The geology and geothermal setting of the Magic Reservoir area, Blaine and Camas Counties, Idaho, *in* Bonnichsen, Bill and Breckenridge, R.M., eds., Cenozoic geology of Idaho: Idaho Bureau of Mines and Geology Bulletin 26, p. 377-393.

T

Todd, P. and Wolter, M., 1994, Silver Creek Preserve stream quality monitoring summary: report for the Nature Conservancy,

Toth, M.I., Nevins, B.B., Kulik, D.M., Buehler, A.R., and Moyle, P.R., 1987, Mineral resources of the Sand Butte Wilderness Study Area, Lincoln County, Idaho, and the Raven's Eye Wilderness Study Area, Blaine and Lincoln counties, Idaho: U.S. Geological Survey Bulletin 1721, chapter C, 10 p., 1 appendix, 1 plate in pocket.
Basic geology and resource assessment of area east of the Little Wood River and south of Carey. Includes geochemistry and geophysics. The study concluded that the area contains no identified mineral resources. (JRB)

Tschanz, C.M., Kiilsgaard, T.H., Seeland, D.A., Van Noy, R.M., Ridenour, James, Zilka, N.T., Federspiel, F.E., Evans, R.K., Tuchek, E.T., McMahan, A.B., Mabey, D.R., and Frischknecht, F.C., 1974, Mineral resources of the eastern part of the Sawtooth National Recreation Area, Custer and Blaine and Counties, Idaho: U.S. Geological Survey Open-File Report 74-1100, 648 p.

Tuchek, E.T., and Ridenour, James, 1981, Economic appraisal of the mineral resources of the Boulder-Pioneer wilderness study area, Blaine and Custer counties, Idaho: U.S. Geological Survey Bulletin 1497, chapter C, p. 181-292, 5 plates in pocket.
Stream sediment and rock geochemical analyses to assess the potential for a large suite of minerals. Many sites were sampled on the east side of the Big Wood River watershed. (JRB)

Tuck, L.K., Briar, D.W., and Clark, D.W., 1996, Geologic history and hydrogeologic units of intermontane basins of the northern Rocky Mountains, Montana and Idaho: U.S. Geological Survey Hydrologic Atlas 738-A, scale 1:750,000, 2 sheets.
Map from the Northern Rocky Mountains RASA. Southern boundary of map is Magic Reservoir. (JRB)

U

Umpleby, J.B., Geology and ore deposits of the Mackay region, Idaho: U.S. Geological Survey Professional Paper 97, 129 p., 3 plates in pocket.
General geology and detailed mining geology of the Mackay region with detailed discussions of several mining districts. Primarily within the drainage of the Big Lost and Little Lost Rivers though the Muldoon District drains to the Little Wood River basin. (JRB)

Umpleby, J.B., Westgate, L.G., Ross, C.P., and Hewett, D.F., 1930, Geology and ore deposits of the Wood River region, Idaho: U.S. Geological Survey Bulletin 814, 250 p.
Detailed description of the geology of the Hailey 30' quadrangle (3 mi. south of

Hailey, headwaters of the Big Lost River, Boulder Creek, Little Wood River). Chemical analyses of three hot springs and many photographs. Most of the report discusses economic geology, including detailed descriptions of individual mines. Analyses of Clarendon, Guyer, and Hailey hot springs. (JRB)

U.S. Army Corps of Engineers, 1970, Flood plain information-Big Wood River, Ketchum, Idaho and vicinity: Walla Walla, U.S. Army Corps of Engineers, prepared for Blaine County, 30 p., 21 plates.

U.S. Army Corps of Engineers, 1971, Flood plain information-Big Wood River, Bellevue-Hailey, Idaho and vicinity: Walla Walla, U.S. Army Corps of Engineers, prepared for Blaine County, 33 p., 20 plates.

U.S. Army Corps of Engineers, 1972, Flood plain information-Warm Springs Creek, Ketchum, Idaho and vicinity: Walla Walla, U.S. Army Corps of Engineers, prepared for Blaine County, 25 p., 20 plates.

U.S. Army Corps of Engineers, 1973, Flood plain information-East Fork Big Wood River, Gimlet-Triumph, Idaho: Walla Walla, U.S. Army Corps of Engineers, prepared for Blaine County, 19 p., 13 plates.

U.S. Army Corps of Engineers, 1974, Flood plain information-Trail Creek, Ketchum-Sun Valley, Idaho: Walla Walla, U.S. Army Corps of Engineers, prepared for Blaine County, 20 p., 13 plates.

U.S Department of Housing and Urban Development, Federal Insurance Administration, 1978, Flood insurance study, City of Bellevue, Idaho, Blaine County: U.S Department of Housing and Urban Development, National Flood Insurance Program, February 1978, 18 p., 2 plates.

U.S Department of Housing and Urban Development, Federal Insurance Administration, 1977, Flood insurance study, City of Hailey, Idaho, Blaine County: U.S Department of Housing and Urban Development, National Flood Insurance Program, October 1977, 14 p., 2 plates.

U.S Department of Housing and Urban Development, Federal Insurance Administration, 1977, Flood insurance study, City of Ketchum, Idaho, Blaine County: U.S Department of Housing and Urban Development, National Flood Insurance Program, December 1977, 21 p., 8 plates.

U.S Department of Housing and Urban Development, Federal Insurance Administration, 1977, Flood insurance study, City of Sun Valley, Idaho, Blaine County: U.S Department of Housing and Urban Development, National Flood Insurance Program, October 1977, 18 p., 8 plates.

U.S. Environmental Protection Agency, 1976, Preliminary report on Magic Reservoir

U.S. Department of Agriculture, 1972, Ecological description and evaluation, proposed Sawtooth National Recreation and Wilderness Areas: U.S. Department of Agriculture, U.S. Forest Service, Intermountain Region, 96 p., 1 plate.
The study area was divided into eight basic land groups, their ecological

characteristics described, and their sensisitivity to impacts of probable land uses. (JRB)

U.S. Department of Agriculture, 1973, Management areas and units, Sawtooth National Recreation Area: U.S. Department of Agriculture, U.S. Forest Service, Intermountain Region, 1 sheet.

U.S. Department of Agriculture, 1975, Recreation facilities and services, Sawtooth National Recreation Area: U.S. Department of Agriculture, U.S. Forest Service, Intermountain Region, 1 sheet.

U.S. Department of Agriculture, 1975, Final environmental impact statement, Sawtooth National Recreation Area: Sawtooth National Forest, U.S. Forest Service, U.S. Department of Agriculture, 217 p.
EIS for the general management plan for the entire SNRA. (JRB)

U.S. Department of Agriculture, 1975, General management plan, Sawtooth National Recreation Area: Sawtooth National Forest, U.S. Forest Service, U.S. Department of Agriculture, 268 p.
Management plan for the entire SNRA, includes a section on the Big Wood River Canyon. (JRB)

U.S. Geological Survey, 1985, Land use and land cover and associated maps for Hailey, Idaho: U.S. Geological Survey Open-File Report 85-31,

U.S. Geological Survey and U.S. Bureau of Mines, 1986, Mineral resources of the eastern part of the Sawtooth National Recreation Area, Custer and Blaine and Counties, Idaho: U.S. Geological Survey Bulletin 1545, 472 p., 5 plates in pocket.

V

W

Walton, W.C., 1962, Ground-water resources of Camas Prairie, Camas and Elmore Counties, Idaho: U.S. Geological Survey Water-Supply Paper 1609, 57 p., 1 map in pocket. Available online at URL: http://pubs.er.usgs.gov/pubs/wsp/wsp1609

Warren, N.M., and Hornocker, M.G., 1979, Ecology of great blue herons on Silver Creek, Idaho: Moscow, University of Idaho, College of Forestry, Wildlife and Range Sciences,

Water District #37 and Water District #37M, 1986, Annual report 1986, water distribution and hydrometric works in Water District #37, Big Wood River, and Water District #37M, Little Wood River and Silver Creek: Shoshone, Idaho, 148 p.

Water District #37 and Water District #37M, 1987, Annual report 1987, water distribution and hydrometric works in Water District #37, Big Wood River, and Water District #37M, Little Wood River and Silver Creek: Shoshone, Idaho, 161 p.

Wavra, C.S., and Hall, W.E., 1989, Potential for shale-hosted massive sulfides in the Permian Dollarhide Formation, south-central Idaho: U.S. Geological Survey Open-File Report 88-376, 9 p. Available online at URL:

http://pubs.er.usgs.gov/pubs/ofr/ofr88376
Discussion of the economic geology of the upper member of the Permian Dollarhide Formation in the Hailey-Bellevue area. Includes geochemical analysis of the Dollarhide Formation. The authors suggest that the rocks may contain a massive sulfide deposit with potential for gold in addition to known silver, lead, zinc, and barite deposits. (JRB)

Wetzstein, A.B., Robinson , C.W., and Brockway, C.E., 2000 , Hydrologic evaluation of the Big Wood River and Silver Creek watersheds, phase II: Kimberly, University of Idaho Water Resources Research Institute, Kimberly Research Center, 136 p. Available online at URL:
http://conserveonline.org/docs/2004/06/hydrology_phase2_1999.pdf
Phase II completes the nine-year effort to compile a MODFLOW model of the Silver Creek and Big Wood River aquifers. This model includes aquifer properties, simulated scenarios, and information about data collected during the reference year of research. No water quality data are contained (ALB).

Wiley, K., 1977, A preliminary biophysical inventory and management plan for the Silver Creek Biological Preserve: Unpublished report prepared for The Nature Conservancy, 73 p.

Wilkison, R.A., 1996, Brown trout predation in Silver Creek: Pocatello, Idaho State University, M.S. thesis, 128 p. Available online at URL:
http://conserveonline.org/docs/2004/06/BT_predation_1996.pdf
An evaluation of changes in trout populations at Silver Creek, Idaho, from 1976 to 1992. An evaluation of food sources for different species and sizes is also addressed. (bmccurdy@tnc.org)

Williams, M.M., 1976, Geology for land use planning, Sun Valley—Ketchum, Idaho: Moscow, University of Idaho, M.S. thesis, 95 p.

Williams, R.N, Powell, M.S., and Campbell, M.R., Genetic analysis of rainbow trout (*Oncorhynchus mykiss*) from Silver Creek Preserve of The Nature Conservancy, Idaho: Hagerman, University of Idaho, Center for Salmonid and Freshwater Species at Risk, Lab report HAG-00-2, 10 p. Available online at URL:
http://conserveonline.org/docs/2004/09/06_GENETIC_2000.pdf
Analysis of mitochondrial DNA of rainbow trout populations within Silver Creek was used to determine the taxonomic identity and presence/absence of interior/red-band rainbow haplotypes. (bmccurdy@tnc.org)

Williams, R.N, and Shiozawa, D.K., 1993, Genetic Analysis of Rainbow Trout from the Big Wood River and Trail Creek, Blaine County, Idaho: Final report to Idaho Department of Fish and Game, Project F-73-R-14, subproject VI, study V, 26 p. Available online at URL:
http://conserveonline.org/docs/2004/06/RT_genetics_1993.pdf
An analysis of rainbow trout genetics from the Big Wood River, Trail Creek and the Hayspur Fish Hatchery. The goal of this paper is the determination of presence/absence of interior rainbow populations in the Big Wood watershed,

and the current degree of hybridization with stocked coastal rainbow trout. (bmccurdy@tnc.org)

Winkler, G.R., Soulliere, S.J., Worl, R.G. and Johnson, K.M., eds., 1989, Geology and mineral deposits of the Hailey and western Idaho Falls 1 degree x 2 degrees quadrangles, Idaho: U.S. Geological Survey Open-File Report 89-639, 140 p. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr89639

Wood River Resource Area Council of Governments, 1973, Resource conservation and development project plan: Boise, Soil Conservation Service, 109 p.
Inventory of the resources (natural, human, business, agricultural) of Blaine, Camas, Gooding, and Lincoln Counties with a goal of instituting a planning process to preserve these resources. The document sets out objectives, policies, and goals. The report has many maps including general soils, land use, and irrigated lands. (JRB)

Worl, R.G., and Johnson, K.M., 1995, Map showing geologic terranes of the Hailey 1 degree x 2 degrees quadrangle and the western part of the Idaho Falls 1 degree x 2 degrees quadrangle, south-central Idaho: U.S. Geological Survey Bulletin 2064-A, 1 sheet. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064A

Worl, R.G., and Lewis, R.S., 2001, Vein deposits hosted by plutonic rocks in the Croesus Stock and Hailey gold belt mineralized areas, Blaine County, Idaho: U.S. Geological Survey Bulletin 2064-X, 19 p. Available online at URL: http://pubs.er.usgs.gov/pubs/b/b2064X

Worl, R.G., Link, P.K., Winkler, G.R., and Johnson, K.M., eds., 1995, Geology and mineral resources of the Hailey 1 degree by 2 degrees quadrangle and the western part of the Idaho Falls 1 degree by 2 degrees Quadrangle, Idaho: U.S. Geological Survey Bulletin 2064-A-R, variously paged.

Worl, R.G., Kiilsgaard , T.H., Bennett, E.H., Link, P.K., Lewis, R.S., Mitchell, V.E., Johnson, K.M., and Snyder, L.D., 1991, Geologic map of the Hailey 1 degree x 2 degree Quadrangle, Idaho: U.S. Geological Survey Open-File Report 91-340, 1 sheet. Available online at URL: http://pubs.er.usgs.gov/pubs/ofr/ofr91340
Same as Idaho Geological Survey, Geologic Map GM-10.

Worl, R.G., Kiilsgaard , T.H., Bennett, E.H., Link, P.K., Lewis, R.S., Mitchell, V.E., Johnson, K.M., and Snyder, L.D., 1991, Geologic map of the Hailey 1 degree x 2 degree Quadrangle, Idaho: Moscow, Idaho Geological Survey, Geologic Map GM-10, scale 1:250,000, 1 sheet.
This map is a compilation to a 1 x 2 degree quadrangle, scale 1:250,000, derived from existing geologic mapping and is not intended to be a finished geologic study. (IGS Web site) Same as U.S. Geological Survey Open-File Report 91-340.

WrRAP valley-wide buildout study summary

Wright, J.L., and Jensen, M.E., 1976, 1975 evapotranspiration and climatic data for the Silver Creek-Bellevue Triangle, Blaine County, Idaho: USDA Agricultural Research Service

X

Y

Young, M.K., Wilkison, R.A., Phelps, J.M., III, Griffith, J.S., 1997, Contrasting Movement and Activity of Large Brown Trout and Rainbow Trout in Silver Creek, Idaho1994-1995 Great Basin Naturalist, v. 57, no. 3, p. 238-244. Available online at URL: http://conserveonline.org/docs/2004/06/BT_RT_comparisons.pdf
Radio telemetry was used to compare movements and activity patterns of rainbow and brown trout. Rainbow trout had larger home ranges and used a greater number of stream locations than brown trout. Rainbow trout were active primarily during the day, while brown trout activity was greatest at night. (bmccurdy@tnc.org)

Z

Zaroban, D., 2003, Occurrence, distribution, and age class structure of fishes in the Camas Creek and Little Wood River subbasins: Boise, Idaho Department of Environmental Quality,

Zeisloft, Jon, Foley, Duncan, and Blackett, R.E., 1983, Water geochemistry of hydrothermal systems, Wood River district, Idaho: Earth Science Laboratory/University of Utah Research Institute Report No. 124, DOE/ID/12079-107, 20 p.