

Publications of the Washington Division of Geology and Earth Resources

May 21, 2012

*Many of our publications are sold through the
Washington State Department of Printing (see p. 3)*



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Peter Goldmark - Commissioner of Public Lands

Division of Geology and Earth Resources

David K. Norman - State Geologist

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■ FEATURED PRODUCTS ■

Washington State Geologic Information Portal

The portal allows you to access interactive earth science mapping, data, and related information. Using our interactive maps, you can create, save, and print custom maps, find out more about map features, and download map data for use in a geographic information system (GIS). In addition to a variety of geoscience layers that can be turned on and off, each interactive map has many base layers to choose from, so you can customize your map in any number of ways. [[ONLINE](#)]

Catalog of the Washington Geology Library

Looking for an obscure geologic report? This online searchable database of library holdings will help you find it. The Washington Geology library contains more than 40,000 titles on the geology of Washington State, more than 3000 current and historic topographic and geologic maps, a comprehensive set of dissertations and theses, environmental impact statements and watershed analyses, and the National Tsunami Hazard Mitigation Program library collection. There are links to online publications where available. [[ONLINE](#)]

Geologic Maps of Washington State

This 8½ x 14 in. color map shows published geologic mapping of 30- by 60-minute topographic quadrangles in Washington State from all sources, as well as quadrant and whole state maps. Attached text lists quads alphabetically and by author, with links to online publications. [[ONLINE](#)]

Geologic Mapping of 7.5-Minute Topographic Quadrangles

This 8½ x 14 in. color map shows published and in-preparation geologic mapping of 7.5-minute topographic quadrangles in Washington State from all sources. Attached text lists quads alphabetically and by author, with links to online publications. [[ONLINE](#)]

Geoscience GIS Data

A variety of geographic information system (GIS) data is available on our website in ESRI shapefile format, including geologic coverage of the entire state of Washington at scales of 1:100,000, 1:250,000, and 1:500,000. Washington Division of Geology and Earth Resources would appreciate credit as the data source. [[ONLINE](#)]

TsuInfo Alert

TsuInfo Alert is a bi-monthly newsletter that links scientists, emergency responders, and community planners to the latest tsunami research. It is published by DGER for the [National Tsunami Hazard Mitigation Program](#), a state/federal partnership funded through the National Oceanic and Atmospheric Administration. It is made possible by a grant from the Federal Emergency Management Agency via the Washington Military Department Emergency Management Division. [[ONLINE](#)]

Tsunami Evacuation Brochures

Legal-size tsunami evacuation brochures are available for Aberdeen/Hoquiam, Bay Center, Bellingham, Cosmopolis, Hoh Reservation, Long Beach/Illwaco, Lummi Reservation, North Cove, Ocean City/Copalis Beach/Pacific Beach/Moclips, Ocean Park, Ocean Shores, Point Roberts, Raymond/South Bend, Sandy Point, and Westport/Grayland/Ocosta. There are also links to tabloid-size brochures for Clallam Bay, La Push, Neah Bay, Port Angeles, Port Townsend, and Sequim on the [Washington Emergency Management Division](#) website. [[ONLINE](#)]

Geology Division Fact Sheets

Geology in the Public Interest is a fact sheet about Division programs and activities. [[ONLINE](#)]

Landslide Hazards in Washington State discusses types of landslides, warning signs, and resources for identification and mitigation. [[ONLINE](#)]

The Washington State Geologic Information Portal explains the use and features of this interactive map application. [[ONLINE](#)]

Coal Mine Map Collection

Coal has been mined in Washington since 1853. Although current production is from surface mines, nearly all coal produced prior to about 1970 came from underground workings. Since early in this century, Washington State law has required mine operators to submit detailed plans of all underground coal operations to the state on an annual basis. About 1,100 individual maps representing about 230 mines have been scanned and are available electronically. [[ONLINE](#)]

HOW TO OBTAIN PUBLICATIONS

Publications that are in print may be purchased from the Washington State Department of Printing (see below for details). Online publications are indicated by a hyperlink [ONLINE] at the end of the publication description. Where possible, larger files have been broken into parts for ease of downloading [PART 1] [PART 2]. For unusual cases, we have tried to make the link name descriptive enough to distinguish between files. If you need a hard copy of a large-format report, such as a map, and do not have access to a plotter, your local copy center may be able to print it out. Reports marked "Lib. use only" may be viewed in the Division library in Olympia. All new division reports and maps are announced on our website. You may also sign up to be notified by [listserve](#).

IN-PRINT PUBLICATIONS

Publications marked "In print" may be ordered from the Washington State Department of Printing. To order, note the publication series, number, and title of the desired publication(s) before using the online store (<http://www.prt.wa.gov/>) or visiting the Department of Printing in person. If you use the online store, select "myFULFILLMENT" on the right side of the screen.

In the left panel, select "Fulfillment (By Agency), then "Natural Resources (Geology Division)". Publications in the General Store are organized by series, and listed prices include shipping and handling; follow the website instructions to complete your purchase.

OUT-OF-PRINT PUBLICATIONS

Many of our publications are out of print and no longer available for sale, but they are available online. If you can't find what you are looking for in our Publications List, search our online library catalog at <http://www.dnr.wa.gov/ResearchScience/Topics/GeologyPublicationsLibrary/Pages/washbib.aspx>. Many of these publications can be consulted at public and university libraries. They can also be used in our reference library in Olympia. If a publication is not on file at your local library, ask your librarian to arrange an interlibrary loan.

Out-of-print items are sometimes returned to the Division and are made available 'first-come, first-served'. Availability changes often; e-mail lee.walking@dnr.wa.gov for current availability.

CONTACT US

Mailing Address

Washington Division of Geology and Earth Resources
MS 47007; Olympia, WA 98504-7007

See map for street address

Phone: 360-902-1450; Fax: 360-902-1785

E-mail: geology@dnr.wa.gov (general services)
lee.walking@dnr.wa.gov (library services)

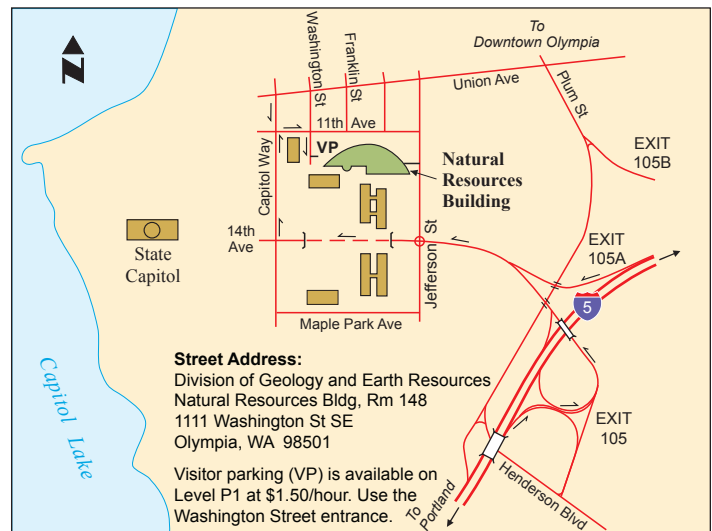
URL: <http://www.dnr.wa.gov/ResearchScience/GeologyEarthSciences/Pages/Home.aspx>

Visitors may enter the Natural Resources Building parking lot using the Washington Street entrance. Visitor parking (VP) is on level P1. Follow the signs. The parking fee is \$1.00/hr; pay at the central parking meter.

The Division of Geology is across the rotunda, past the four elevators, on the north side of first floor. See the building directory in the lobby.

Staff List

The [Division Staff List](#) has contact information for individual staff.



GEOLOGY LINKS ON THE DEPARTMENT OF NATURAL RESOURCES WEBSITE

Also try the search function in the upper right corner of each webpage.

Geologic Hazards

- [Geologic Hazards Overview](#)
- [Landslides](#)
- [Earthquakes](#)
- [Volcanoes](#)
- [Tsunamis](#)
- [Coal Mine Subsidence](#)
- [Coal Mine Map Collection](#)

Mining and Earth Resources

- [Surface Mining Reclamation Program](#)
- [Directory of Washington Surface Mines - 2010](#)
- [Earth Resource Permit Locations](#)
- [Oil and Gas & Geothermal](#)
- [Metal Mining and Milling Regulation](#)
- [Earth Resource Mapping](#)
- [Inactive and Abandoned Metal Mines](#)
- [Fossil and Mineral Collecting and Gold Panning](#)

Publications and Library

- [Publications Overview](#)
- [Washington Geology Library](#)
- [Searchable Library Catalog](#)
- [Washington Geology and Washington Geologic Newsletter \(journals\)](#)
- [DGER News \(newsletter\)](#)
- [TsuInfo Alert \(newsletter\)](#)
- [Tsunami Evacuation Brochures](#)
- [Geology Education](#)

Mapping and Data

- [Geologic Mapping of Washington \(general information\)](#)
- [Geologic Maps of Washington \(links\)](#)
- [7.5-Minute Quadrangles \(links and lists\)](#)
- [Index to Geologic Mapping \(as of 2003\)](#)
- [Washington State Geologic Information Portal](#)
- [GIS Data](#)

■ ANNUAL REPORTS ■

Annual Reports are available online only.

Washington State Geologist

Mines and minerals of Washington—Annual report of George A. Bethune, first State Geologist, 1890, by G. A. Bethune. 1891. 122 p. [\[ONLINE\]](#) Out of print

Mines and minerals of Washington—Second annual report of George A. Bethune, State Geologist, by G. A. Bethune. 1892. 186 p. [\[ONLINE\]](#) Out of print

Washington Mining Bureau

First annual report of the Mining Bureau of the State of Washington, from April 1, 1891 to April 1, 1892. 1892. 46 p., 5 pl. [\[ONLINE\]](#) Out of print

Washington Geological Survey

Annual Report for 1901; Volume I. 1902. 344 p. [\[PARTS I-II\]](#) [\[PARTS III-VI\]](#) Out of print

The chapters are also available separately:

Part I. Creation of a state geological survey, and, An outline of the geology of Washington, by Henry Landes. 1902. 35 p., 5 pl. [\[ONLINE\]](#) Out of print

Part II. The metalliferous resources of Washington, except iron, by Henry Landes, W. S. Thyng, D. A. Lyon, and Milnor Roberts. 1902. 123 p., 4 pl. [\[ONLINE\]](#) Out of print

Part III. The non-metalliferous resources of Washington, except coal, by Henry Landes. 1902. 55 p., 11 pl. [\[ONLINE\]](#) Out of print

Part IV. The iron ores of Washington, by Solon Shedd, and, The coal deposits of Washington, by Henry Landes. 1902. 67 p., 13 pl. [\[ONLINE\]](#) Out of print

Part V. The water resources of Washington—Potable and mineral water, by H. G. Byers; Artesian water, by C. A. Ruddy; and, Water power, by R. E. Heine. 1902. 37 p., 7 pl. [\[ONLINE\]](#) Out of print

Part VI. Bibliography of the literature referring to the geology of Washington, by Ralph Arnold. 1902. 16 p. [\[ONLINE\]](#) Out of print

Annual report for 1902; Volume II. 1903. 277 p., 23 pl. (Contains: Part I. The building and ornamental stones of Washington, by Solon Shedd [\[ONLINE\]](#); Part II. Coal deposits of Washington, by Henry Landes and C. A. Ruddy [\[ONLINE\]](#)) Out of print

The biennial report of the Board of Geological Survey of the State of Washington for the term 1901-1903. 1903. 7 p. [\[ONLINE\]](#) Out of print

The biennial report of the Board of Geological Survey of the State of Washington for the term 1909-11. 1910. 24 p. 1 pl. [\[ONLINE\]](#) Out of print

The biennial report of the Board of Geological Survey of the State of Washington for the term 1911-13. 1913. 24 p. 3 pl. [\[ONLINE\]](#) Out of print

The biennial report of the Board of Geological Survey of the State of Washington for the term 1913-1915. 1915. 31 p. 3 pl. [\[ONLINE\]](#) Out of print

The biennial report of the Board of Geological Survey of the State of Washington for the term 1915-1917. 1917. 29 p. 3 pl. [\[ONLINE\]](#) Out of print

The biennial report of the Board of Geological Survey of the State of Washington for the term 1917-1919. 1919. 26 p. 3 pl. [\[ONLINE\]](#) Out of print

The biennial report of the Board of Geological Survey of the State of Washington for the term 1919-1921. 1921. 29 p. [\[ONLINE\]](#) Out of print

Department of Conservation and Development*

Report of the Supervisor of Geology, Department of Conservation and Development, from April 1, 1921, to September 30, 1922, by Solon Shedd. 1922. 9 p. [\[ONLINE\]](#) Out of print

Report of the Supervisor of Geology, Department of Conservation and Development, from October 1, 1922, to September 30, 1924, by Solon Shedd. 1924. 12 p. 1 pl. [\[ONLINE\]](#) Out of print

Third biennial report of the Department of Conservation and Development from April 1, 1925, to September 30, 1926, by E. J. Barnes. 1927. 93 p. 2 pl. [\[ONLINE\]](#) Out of print

Fourth biennial report of the Department of Conservation and Development from October 1, 1926, to September 30, 1928, by E. J. Barnes. 1928. 75 p. 2 pl. [\[ONLINE\]](#) Out of print

Seventh biennial report of the Department of Conservation and Development from October 1, 1932, to September 30, 1934, by E. F. Banker. 1935. 57 p. [\[ONLINE\]](#) Out of print

Biennial report of Division of Geology—April 1, 1933, to November 30, 1934, by H. E. Culver. 1935. 14 p. [\[ONLINE\]](#) Out of print

Eighth biennial report of the Department of Conservation and Development—October 1, 1934, to September 30, 1936, by J. B. Fink. 1937. 68 p. [\[ONLINE\]](#) Out of print

First biennial report of the Division of Mines and Mining, June 1, 1935, to December 31, 1936, by T. B. Hill. 1937. 6 p. [\[ONLINE\]](#) Out of print

Summary report of major activities, Division of Geology, for the biennium 1935-37, by H. E. Culver. 1936. 7 p. [\[ONLINE\]](#) Out of print

Ninth biennial report of the Department of Conservation and Development—October 1, 1936—September 30, 1938, by J. B. Fink. 1939. 115 p. [\[ONLINE\]](#) Out of print

[Second biennial report of the] Division of Mines and Mining, January 1, 1937, to December 31, 1938, by T. B. Hill. 1939. 17 p. [\[ONLINE\]](#) Out of print

Tenth biennial report of the Department of Conservation and Development, October 1, 1938—September 30, 1940, by J. B. Fink. 1941. 150 p. [\[ONLINE\]](#) Out of print

* The Department of Conservation and Development was the parent agency. From 1920 to 1945, the Division of Geology was located at Washington State College in Pullman, Wash. From 1935 to 1945, the Division of Mines and Mining in Olympia, Wash., coexisted with the Division of Geology. From 1945 to 1968, the two divisions were combined into the Division of Mines and Geology in Olympia. In 1957, the Department of Conservation and Development name changed to the Department of Conservation. In 1968, the Department of Conservation became the Department of Natural Resources. In 1973, the Division of Mines and Geology became the Division of Geology and Earth Resources.

■ ANNUAL REPORTS ■

Annual Reports are available online only.

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| <p>Third biennial report of the Division of Mines and Mining for the period commencing January 1, 1939 and ending January 1, 1941, by T. B. Hill. 1941. [ONLINE]</p> | <p>Out of print</p> | <p>Biennial report no. 7 of the Division of Mines and Geology for the period commencing July 1, 1956 and ending June 30, 1958, by M. T. Huntting. 1958. 19 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Eleventh biennial report of the Department of Conservation and Development—October 1, 1940–September 30, 1942, by Ed Davis. 1943. 54 p. [ONLINE]</p> | <p>Out of print</p> | <p>Biennial report no. 8 of the Division of Mines and Geology [for the period commencing July 1, 1958 and ending June 30, 1960], by M. T. Huntting. 1960. 26 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Fourth biennial report of the Division of Mines and Mining for the period commencing October 1, 1940 and ending September 30, 1942, by S. L. Glover. 1943. 9 p. [ONLINE]</p> | <p>Out of print</p> | <p>Biennial report no. 9 [of the] Division of Mines and Geology for the period commencing July 1, 1960 and ending June 30, 1962, by M. T. Huntting. 1962? 19 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Twelfth biennial report of the Department of Conservation and Development—October 1, 1942–September 30, 1944, by Ed Davis. 1944. 52 p. [ONLINE]</p> | <p>Out of print</p> | <p>Biennial report no. 10 [of the] Division of Mines and Geology [for the period commencing July 1, 1962 and ending June 30, 1964], by M. T. Huntting. 1964? 18 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Fifth biennial report of the Division of Mines and Mining for the period commencing October 1, 1942, and ending September 30, 1944, by S. L. Glover. 1944. 6 p. [ONLINE]</p> | <p>Out of print</p> | <p>Biennial report no. 11 [of the] Division of Mines and Geology [for the period commencing July 1, 1964 and ending June 30, 1966], by M. T. Huntting. 1966? 17 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Biennial report no. 1 of the Division of Mines and Geology for the period commencing October 1, 1946 and ending September 30, 1946, by S. L. Glover. 1946. 24 p. [ONLINE]</p> | <p>Out of print</p> | <p>[Biennial report no. 12 of the] Mines and Geology Division [1966-1968], by M. E. Felt. 1968? 5 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Department of Natural Resources Division of Geology and Earth Resources</p> | | | |
| <p>Biennial report no. 2 of the Division of Mines and Geology for the period commencing October 1, 1946 and ending September 30, 1948; including a report on Washington's mineral industry, by S. L. Glover. 1948. 28 p. [ONLINE]</p> | <p>Out of print</p> | <p>Geology for the decade 1980-1990, by Raymond Lasmanis. 1983. 67 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Biennial report no. 3 of the Division of Mines and Geology for the period commencing October 1, 1948 and ending September 30, 1950, by S. L. Glover. 1951. 13 p. [ONLINE]</p> | <p>Out of print</p> | <p>The Washington Division of Geology and Earth Resources—Geology in the public interest. 2003. 4 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Biennial report no. 4 of the Division of Mines and Geology for the period commencing October 1, 1950 and ending September 30, 1952, by S. L. Glover. 1952. 8 p. [ONLINE]</p> | <p>Out of print</p> | <p>The Washington Division of Geology and Earth Resources—Geology in the public interest. 2005. 4 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Biennial report no. 5 of the Division of Mines and Geology for the period commencing July 1, 1952 and ending June 30, 1954; Including a special report: One hundred years of mining, by S. L. Glover. 1954? 20 p. [ONLINE]</p> | <p>Out of print</p> | <p>The Washington Division of Geology and Earth Resources—Geology in the public interest. 2009. 4 p. [ONLINE]</p> | <p>Out of print</p> |
| <p>Biennial report no. 6 of the Division of Mines and Geology for the period commencing July 1, 1954 and ending June 30, 1956, by S. L. Glover. 1956? 12 p. [ONLINE]</p> | <p>Out of print</p> | | |

■ BULLETINS ■

In-print Bulletins are sold through the Washington State Department of Printing General Store (see p. 3)

Washington Geological Survey

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 1. Geology and ore deposits of Republic mining district, by J. B. Umpleby. 1910. 66 p., 13 pl., 5 figs. [ONLINE] | Out of print | 22. The road building sands and gravels of Washington, by M. M. Leighton. 1919. 307 p., 9 pl., 36 figs. [ONLINE] | Out of print |
| 2. The road materials of Washington, by Henry Landes. 1911. 204 p., 17 pl., 51 figs. [ONLINE] | Out of print | 23. The metal mines of Washington, by E. N. Patty. 1921. 366 p., 36 pl., 27 figs. [PART 1] [PART 2] | Out of print |
| 3. The coal fields of King County, by G. W. Evans. 1912. 247 p., 23 pl., 59 figs. [ONLINE] | Out of print | Division of Geology | |
| 4. Cement materials and industry in Washington, by Solon Shedd. 1913. 268 p., 21 pl., 10 figs. [PART 1] [PART 2] | Out of print | 24. Clays and shales of Washington, by S. L. Glover. 1941. 368 p., 14 pl., 6 figs. [PART 1] [PART 2] | Out of print |
| 5. Part I. Geology and ore deposits of the Myers Creek mining district; Part II. Geology and ore deposits of the Oroville–Nighthawk mining district, by J. B. Umpleby. 1911. 113 p., 3 pl., 5 figs. [ONLINE] | Out of print | 25. The magnesite deposits of Washington, their occurrence and technology, by G. E. Whitwell and E. N. Patty. 1921. 194 p., 13 pl., 5 figs. [ONLINE] | Out of print |
| 6. Geology and ore deposits of the Blewett mining district, by C. E. Weaver. 1911. 104 p., 10 pl., 1 fig. [ONLINE] | Out of print | 26. Underground water supply of the region about White Bluffs and Hanford, by O. P. Jenkins. 1922. 41 p., 3 pl., 1 fig. [ONLINE] | Out of print |
| 7. Geology and ore deposits of the Index mining district, by C. E. Weaver. 1912. 96 p., 7 pl. [ONLINE] | Out of print | 27. Iron ores, fuels, and fluxes of Washington, by Solon Shedd, O. P. Jenkins, and H. H. Cooper. 1922. 160 p., 1 pl., 11 figs. [ONLINE] | Out of print |
| 8. Glaciation of the Puget Sound region, by J. H. Bretz. 1913. 244 p., 24 pl., 27 figs. [ONLINE] | Out of print | 28. Geological investigation of the coal fields of western Whatcom County, Washington, by O. P. Jenkins. 1923. 135 p., 4 pl., 2 figs. [ONLINE] | Out of print |
| 9. The coal fields of Kittitas County, by E. J. Saunders. 1914. 204 p., 38 pl., 52 figs. [ONLINE] | Out of print | 29. Geological investigation of the coal fields of Skagit County, Washington, by O. P. Jenkins. 1924. 63 p., 7 pl., 5 figs. [ONLINE] | Out of print |
| 10. The coal fields of Pierce County, by Joseph Daniels. 1914. 146 p., 30 pl., 23 figs. [ONLINE] | Out of print | 30. The mineral resources of Washington, with statistics for 1922, by Solon Shedd, with an article on coal and coke by G. W. Evans. 1924. 224 p., 3 figs. [ONLINE] | Out of print |
| 11. The mineral resources of Washington, with statistics for 1912, by Henry Landes. 1914. 53 p., 1 pl. [ONLINE] | Out of print | 31. Lead deposits of Pend Oreille and Stevens Counties, Washington, by O. P. Jenkins. 1924. 153 p., 3 pl., 15 figs. [ONLINE] | Out of print |
| 12. Bibliography of Washington geology and geography, by Gretchen O'Donnell. 1913. 63 p. <i>Superseded by the online bibliography.</i> | Out of print | 32. Geology of Washington, by H. E. Culver. (Part I: General features of Washington geology; to accompany the preliminary geologic map, 1936). 1936. 70 p. [ONLINE] | Out of print |
| 13. The Tertiary formations of western Washington, by C. E. Weaver. 1916. 327 p., 30 figs., 3 pl. [PART 1] [PART 2] | Out of print | 33. Nonmetallic mineral resources of Washington, with statistics for 1933, by S. L. Glover. 1936. 135 p. [ONLINE] | Out of print |
| 14. A preliminary report on the Quincy Valley Irrigation Project, by Henry Landes, A. W. Mangum, H. K. Benson, E. J. Saunders, and Joseph Jacobs. 1912. 49 p., 7 pl. [ONLINE] | Out of print | 34. Tungsten resources of Washington, by H. E. Culver and W. A. Broughton. 1945. 89 p., 23 pl., 9 figs. [ONLINE] | Out of print |
| 15. A preliminary report on the Tertiary paleontology of western Washington, by C. E. Weaver. 1912. 80 p., 16 pl. [ONLINE] | Out of print | 35. Bibliography and index of geology and mineral resources of Washington, 1814–1936, by W. A. G. Bennett. 1939. 140 p. <i>Superseded by the online bibliography.</i> | Out of print |
| 16. Geology and ore deposits of the Covada mining district, by C. E. Weaver. 1913. 87 p., 5 pl., 3 figs. [ONLINE] | Out of print | Division of Mines and Geology | |
| 17. A geographic dictionary of Washington, by Henry Landes. 1917. 346 p., 10 pl. [PART 1] [PART 2] | Out of print | 36. Geology and ore deposits of the Sultan Basin, Snohomish County, Washington, by Ward Carithers and A. K. Guard. 1945. 90 p., 3 pl., 18 figs. [ONLINE] | Out of print |
| 18. The country about Camp Lewis, by M. M. Leighton. 1918. 105 p., 12 pl., 6 figs. [ONLINE] | Out of print | 37. Inventory of Washington minerals: Part I. (2nd ed.) Nonmetallic minerals, by G. M. Valentine, revised by M. T. Huntting. 1960. 2 v. (v. 1, 175 p. text; v. 2, maps, 39 pl.). [TEXT] [MAPS] Part II. Metallic minerals, by M. T. Huntting. 1956. 2 v. (v. 1, 428 p. text; v. 2, maps, 67 p. text, 27 pl.). [ONLINE] | In print Out of print |
| 19. The coal fields of southwestern Washington, by H. E. Culver. 1919. 155 p., 24 pl., 12 figs. [ONLINE] | Out of print | 38. The place of steam-electric generating stations in the orderly program of electric power development in the Pacific Northwest, by H. H. Houston. 1950. 117 p., 1 pl., 25 figs. [ONLINE] | Out of print |
| 20. The mineral resources of Stevens County, by C. E. Weaver. 1920. 350 p., 20 pl., 14 figs. [PART 1] [PART 2] | Out of print | | |
| 21. The mineral resources of Washington, with statistics for 1919, by E. N. Patty and S. L. Glover. 1921. 155 p., 13 pl., 3 figs. [ONLINE] | Out of print | | |

■ BULLETINS ■

In-print Bulletins are sold through the Washington State Department of Printing General Store (see p. 3)

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 39. Antimony occurrences of Washington, by C. P. Purdy Jr. 1951. 186 p., 14 figs. [ONLINE] | Out of print | 59. Bibliography and index of the geology and mineral resources of Washington, 1957–1962, by W. H. Reichert. 1969. 375 p. <i>Superseded by the online bibliography.</i> | Out of print |
| 40. Geology of the Bead Lake district, Pend Oreille County, Washington, by M. C. Schroeder. 1952. 57 p., 1 pl., 6 figs. [ONLINE] | Out of print | 60. Cenozoic volcanism in the Cascade Mountains of southern Washington, by W. S. Wise. 1970. 45 p., 1 pl., 14 figs. [ONLINE] | Out of print |
| 41. An outline of mining laws of the State of Washington [includes 16 p. supplement], compiled and annotated by M. H. Van Nuys. 1953. 142 p. [ONLINE] | Out of print | 61. Lead-zinc deposits in the Kootenay arc, northeastern Washington and adjacent British Columbia, edited by A. E. Weissenborn, F. C. Armstrong, and J. T. Fyles. 1970. 123 p. [ONLINE] | In print |
| 42. Gold in Washington, by M. T. Huntting. 1955. 158 p., 2 figs. [ONLINE] | Web only | 62. Foraminifera, stratigraphy, and paleoecology of the Quinault Formation, Point Grenville–Raft River coastal area, Washington, by W. W. Rau. 1970. 41 p. [ONLINE] | In print |
| 43. Eocene stratigraphy of the lower Cowlitz River–eastern Willapa Hills area, southwestern Washington, by D. A. Henriksen. 1956. 122 p. [ONLINE] | In print | 63. Geology and mineral resources of King County, Washington, by V. E. Livingston Jr. 1971. 200 p., 6 pl., 103 figs. [PART 1 , PART 2] | Out of print |
| 44. Peat resources of Washington, by G. B. Rigg. 1958. 272 p., 1 pl., 263 figs. [PART 1] [PART 2] [PART 3] | Out of print | 64. Geology and mineral deposits of the Loomis [15-minute] quadrangle, Okanogan County, Washington, by C. D. Rinehart and K. F. Fox Jr. 1972. 124 p., 3 pl. (pl. 1: 27 x 33 in. color geologic map, scale 1:62,500), 32 figs. [ONLINE] | Out of print |
| 45. Washington’s channeled scabland, by J. H. Bretz. 1959. 57 p., 4 pl., 36 figs. [ONLINE] | Out of print | 65. Distribution of copper and other metals in gully sediments of part of Okanogan County, Washington, by K. F. Fox Jr., and C. D. Rinehart. 1972. 38 p., 4 pl. (pl. 1: 26 x 28 in. color geologic map, scale 1:96,000, with 2 overlays), 10 figs. [ONLINE] | In print |
| 46. Bibliography and index of the geology and mineral resources of Washington, 1937–1956, by W. H. Reichert. 1960. 721 p. <i>Superseded by the online bibliography.</i> | Out of print | Division of Geology and Earth Resources | |
| 47. Coal reserves of Washington, by H. M. Beikman, H. D. Gower, and T. A. M. Dana. 1961. 115 p. [Reprinted with 15-p. addendum by H. W. Schasse, T. J. Walsh, and W. M. Phillips. 1984.] [ONLINE] | In print | 66. Geology of the Washington coast between Point Grenville and the Hoh River, by W. W. Rau. 1973. 58 p. [ONLINE] | In print |
| 48. High-calcium limestones of eastern Washington, by J. W. Mills. 1962. 268 p., 7 pl., 64 figs. [PART 1] [PART 2] [PART 3] [PART 4] | Out of print | 67. Mining laws of the State of Washington, by J. L. Neff and R. L. Magnuson. 1974. 109 p., 9 figs. [ONLINE] | Out of print |
| 49. Saline lake deposits in Washington, by W. A. G. Bennett. 1962. 129 p. [ONLINE] | In print | 68. Geology of the Methow Valley, Okanogan County, Washington, by J. D. Barksdale. 1975. 72 p., 1 pl., 17 figs. [ONLINE] | Out of print |
| 50. Geology and mineral deposits of the north half of the Van Zandt quadrangle, Whatcom County, Washington, by W. S. Moen. 1962. 129 p., 4 pl., 41 figs. [ONLINE] | Out of print | 69. Silver occurrences of Washington, by W. S. Moen. 1976. 188 p. [Reprinted 1982.] [ONLINE] | In print |
| 51. Barite in Washington, by W. S. Moen. 1964. 112 p., 2 pl. [ONLINE] | In print | 70. Zinc and lead ore deposits in carbonate rocks, Stevens County, Washington, by J. W. Mills. 1977. 171 p. [ONLINE] | In print |
| 52. Limestone resources of western Washington, by W. R. Danner. 1966. 474 p. [PART 1] [PART 2] [PART 3] | Out of print | 71. Geology of parts of Grant, Adams, and Franklin Counties, east-central Washington, by M. J. Grolier and J. W. Bingham. 1978. 91 p., 33 figs. [ONLINE] | Out of print |
| 53. Stratigraphy and foraminifera of the Satsop River area, southern Olympic Peninsula, Washington, by W. W. Rau. 1966. 66 p. [ONLINE] | In print | 72. Washington coastal geology between the Hoh and Quillayute Rivers, by W. W. Rau. 1980. 57 p. [ONLINE] | In print |
| 54. Geology and mineral resources of the Kelso–Cathlamet area, Cowlitz and Wahkiakum Counties, Washington, by V. E. Livingston Jr. 1966. 110 p., 23 figs. [ONLINE] | Out of print | 73. Myers Creek and Wauconda mining districts of northeastern Okanogan County, Washington, by W. S. Moen. 1980. 96 p., 6 pl., 36 figs. [ONLINE] | Out of print |
| 55. Building stone of Washington, by W. S. Moen. 1967. 85 p. [ONLINE] | In print | 74. Reconnaissance geochemical survey of gully and stream sediments, and geologic summary, in part of the Okanogan Range, Okanogan County, Washington, by C. D. Rinehart. 1981. 24 p., 3 pl. [ONLINE] | In print |
| 56. Geology of the Wynoochee Valley [15-minute] quadrangle, Grays Harbor County, Washington, by W. W. Rau. 1967. 51 p., 1 pl., scale 1:62,500. [ONLINE] | In print | 75. Geology of the Wenatchee and Monitor quadrangles, Chelan and Douglas Counties, Washington, by R. L. Gresens. 1983. 75 p., 3 pl., scale 1:24,000. [ONLINE] | In print |
| 57. Mines and mineral deposits of Whatcom County, Washington, by W. S. Moen. 1969. 134 p., 14 pl., 44 figs. [PART 1] [PART 2] | Out of print | | |
| 58. Chemical and physical controls for base metal deposition in the Cascade Range of Washington, by A. R. Grant. 1969. 107 p., 33 figs. [ONLINE] | Out of print | | |

■ BULLETINS ■

In-print Bulletins are sold through the Washington State Department of Printing General Store (see p. 3)

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| 76. | Bibliography and index of the geology and mineral resources of Washington, 1963–1980, compiled by C. J. Manson and Debbie Burnett. 1983. 398 p. <i>Superseded by the online bibliography.</i> | Out of print | 80. | Regional Geology of Washington State, Raymond Lasmanis and E. S. Cheney, convenors. 1994. 227 p., 136 figs., 18 tables. [PART 1 , PART 2] | Out of print |
| 77. | Selected papers on the geology of Washington, edited by J. E. Schuster. 1987. 406 p. [PART 1] [PART 2] [PART 3] | In print | 81. | Bibliography and index of the geology and mineral resources of Washington, 1986–1990, by C. J. Manson. 1996. 476 p. <i>Superseded by the online bibliography.</i> | Out of print |
| 78. | Engineering geology in Washington, edited by R. W. Galster, chairman. 1989. [2 v.], 1234 p. [VOL 1 PART 1] [VOL 1 PART 2] [VOL 1 PART 3], [VOL 1 PART 4] [VOL 1 PART 5] [VOL 2 PART 1] [VOL 2 PART 2] [VOL 2 PART 3] [VOL 2 PART 4] | In print | | | |
| 79. | Bibliography and index of the geology and mineral resources of Washington, 1981–1985, compiled by C. J. Manson. 1990. 484 p. <i>Superseded by the online bibliography.</i> | Out of print | | | |

■ DIGITAL REPORTS ■

Digital Reports are available online only.

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| 1. | Digital bibliography of the geology and mineral resources of Washington State, 1798–2000, by Connie J. Manson, editor and compiler. 2001. <i>Superseded by the online bibliography.</i> | Lib. use only | 3. | Digital inventory of flood-plain mines in Washington State, by L. R. Baker, K. W. Wegmann, D. T. McKay Jr., D. K. Norman, and C. N. Johnson. 2003. Includes ArcView files plus 4 p. text as a PDF file. [ONLINE] | Web only |
| 2. | Digital geologic maps of the 1:100,000 quadrangles of Washington, by Washington Division of Geology and Earth Resources staff. 2001 and 2003. <i>Superseded by the Geologic Information Portal.</i> | Lib. use only | 4. | Pacific Northwest Tertiary foraminiferal collections of the U.S. Geological Survey and the state of Washington, by W. W. Rau. 2004. 1 Microsoft Excel spreadsheet with 9 p. text as a PDF file. [ONLINE] | Web only |

■ FIELD TRIP GUIDES ■

In-print Field Trip Guides are sold through the Washington State Department of Printing General Store (see p. 3)

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| <p>1. Geology of the Yakima Valley wine country—A geologic field trip guide from Stevenson to Zillah, Washington, by D. K. Norman, A. J. Busacca, and Ron Teissere. 2004. Color, 13 p. [ONLINE]</p> | In print | <p>2. Geologic guide to the Yakima Valley wine-growing region, Benton and Yakima Counties, Washington, by D. K. Norman and A. J. Busacca. 2008. 10 p. [ONLINE]</p> | Web only |
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■ GEOLOGIC MAPS ■

In-print Geologic Maps are sold through the Washington State Department of Printing General Store (see p. 3)

Note: Geologic maps may also be found under other categories, such as Open File Reports, Bulletins, and Information Circulars.

Division of Geology

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| <p>Preliminary geologic map, State of Washington, compiled from published and unpublished sources, edited by G. W. Stose. 1936. 53 x 35 in. color sheet, scale 1:500,000. [Accompanied by Bulletin 32, which is out of print.] [ONLINE]</p> | Out of print |
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Division of Mines and Geology

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| <p>Geologic map of Washington, by M. T. Huntting, W. A. G. Bennett, V. E. Livingston Jr., and W. S. Moen. 1961. One 75 x 50 in. color sheet or two 50 x 40 in. color sheets, scale 1:500,000. [1 SHEET] [SHEET 1 OF 2] [SHEET 2 OF 2]</p> | Out of print |
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| <p>Geologic cross section to accompany the 1961 Geologic map of Washington, by V. E. Livingston, Jr. 1961. 1 sheet, scale 1:500,000. [ONLINE]</p> | Out of print |
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| GM-1. | <p>Preliminary geologic map of the Hobart and Maple Valley [7.5-minute] quadrangles, King County, Washington, by J. D. Vine. 1962. 43 x 36 in. color sheet, scale 1:24,000. [ONLINE]</p> | In print |
| GM-2. | <p>Preliminary geologic map of the Cumberland [7.5-minute] quadrangle, King County, Washington, by H. D. Gower and A. A. Wanek. 1963. 30 x 41 in. color sheet, scale 1:24,000. [ONLINE]</p> | In print |
| GM-3. | <p>Geology of the Simcoe Mountains volcanic area, Washington, by R. A. Sheppard. 1967. 43 x 23 in. sheet, scale 1:125,000. [ONLINE]</p> | In print |

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| GM-4. | <p>Geology of the Grays River [15-minute] quadrangle, Wahkiakum and Pacific Counties, Washington, by E. W. Wolfe and E. H. McKee. 1968. 23 x 34 in. color sheet, scale 1:62,500, with 6 p. text. [ONLINE]</p> | In print |
| GM-5. | <p>Preliminary geologic map of the Chewelah Mountain [15-minute] quadrangle, Stevens County, Washington, by L. D. Clark and F. K. Miller. 1968. Two 25 x 32 in. color sheets, scale 1:62,500, with 6 p. text. [ONLINE]</p> | In print |
| GM-6. | <p>Preliminary geologic map of the Loon Lake [15-minute] quadrangle, Stevens and Spokane Counties, Washington, by F. K. Miller. 1969. 30 x 29 in. color sheet, scale 1:62,500, with 7 p. text. [ONLINE]</p> | In print |

Division of Geology and Earth Resources

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| GM-7. | <p>Preliminary geologic map of the Newport Number 1 [15-minute] quadrangle, Pend Oreille County, Washington, and Bonner County, Idaho, by F. K. Miller. 1974. 24 x 31 in. color sheet, scale 1:62,500, with 6 p. text. [ONLINE]</p> | Out of print |
| GM-8. | <p>Preliminary geologic map of the Newport Number 2 [15-minute] quadrangle, Pend Oreille and Stevens Counties, Washington, by F. K. Miller. 1974. 22 x 32 in. color sheet, scale 1:62,500, with 6 p. text. [ONLINE]</p> | Out of print |
| GM-9. | <p>Preliminary geologic map of the Newport Number 3 [15-minute] quadrangle, Pend Oreille, Stevens, and Spokane Counties, Washington, by F. K. Miller. 1974. 23 x 32 in. color sheet, scale 1:62,500, with 7 p. text. [ONLINE]</p> | Out of print |

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| GM-10. | Preliminary geologic map of the Newport Number 4 [15-minute] quadrangle, Spokane and Pend Oreille Counties, Washington, and Bonner County, Idaho, by F. K. Miller. 1974. 24 x 30 in. color sheet, scale 1:62,500, 6 p. text. [ONLINE] | Out of print | GM-25. | Geothermal resources of Washington, compiled by M. A. Korosec, K. L. Kaler, J. E. Schuster, R. G. Bloomquist, S. J. Simpson, and D. D. Blackwell. 1981. 50 x 42 in. color sheet, scale 1:500,000. [ONLINE] | In print |
| GM-11. | Complete Bouguer gravity anomaly map of Washington, by W. E. Bonini, D. W. Hughes, and Z. F. Daneš. 1974. 59 x 43 in. sheet, scale 1:500,000. [ONLINE] | Out of print | GM-26. | Geology of the Pullman, Moscow West, Colton, and Uniontown 7½-minute quadrangles, Washington and Idaho, by P. R. Hooper and G. D. Webster. 1982. 33 x 22 in. two-color sheet, scale 1:62,500. [ONLINE] | Out of print |
| GM-12. | Thickness of unconsolidated sediments, Puget Lowland, Washington, by J. B. Hall and K. L. Othberg. 1974. 23 x 35 in. sheet, scale 1:250,000, with 3 p. text. [ONLINE] | Out of print | GM-27. | Complete Bouguer gravity anomaly map, Cascade Mountains, Washington, by Z. F. Daneš and W. M. Phillips. 1983. Two 24 x 35 in. two-color sheets, scale 1:250,000. [ONLINE] | In print |
| GM-13. | Geologic map of the Destruction Island and Taholah [15-minute] quadrangles, Washington, by W. W. Rau. 1975. 36 x 47 color sheet, scale 1:62,500. [ONLINE] | Out of print | GM-28. | Geologic map of the Ellensburg [15-minute] quadrangle, Washington, by R. D. Bentley and N. P. Campbell. 1983. 34 x 23 in. two-color sheet, scale 1:62,500. [ONLINE] | Out of print |
| GM-14. | Preliminary surficial geologic map of the Edmonds East and Edmonds West [7.5-minute] quadrangles, Snohomish and King Counties, Washington, by Mackey Smith. 1975. 31 x 24 in. sheet, scale 1:24,000. [ONLINE] | Out of print | GM-29. | Geologic map of the Yakima quadrangle, Washington, by R. D. Bentley and N. P. Campbell. 1983. 34 x 23 in. two-color sheet, scale 1:62,500. [ONLINE] | Out of print |
| GM-15. | Slope stability map of Thurston County, Washington, by E. R. Artim. 1976. 31 x 19 in. color sheet, scale 1:125,000. [ONLINE] | In print | GM-30. | Availability of Federal land for mineral exploration and development in the State of Washington, by D. P. Banister, D. J. Barnes, and W. D. Longwill. 1984. Four 50 x 37 in. color sheets, scale 1:500,000, with 17 p. text. [ONLINE] | In print |
| GM-16. | Relative ground settlement hazards of Thurston County, Washington, by E. R. Artim. 1976. 31 x 19 in. color sheet, scale 1:125,000. [ONLINE] | In print | GM-31. | Geologic map of the Clarkston 15-minute quadrangle, Washington and Idaho, by P. R. Hooper, G. D. Webster, and V. E. Camp. 1985. 27 x 33 in. color sheet, scale 1:48,000, with 11 p. text. [ONLINE] | Out of print |
| GM-17. | Relative potential for differential settlement, Gig Harbor Peninsula, Pierce County, Washington, by Mackey Smith. 1976. 21 x 35 in. color sheet, scale 1:31,250. [ONLINE] | In print | GM-32. | Geologic maps of the Marcus and Kettle Falls [7.5-minute] quadrangles, Stevens and Ferry Counties, Washington, by J. W. Mills. 1985. Two 27 x 29 in. color sheets, scale 1:24,000, with 18 p. text. [ONLINE] | In print |
| GM-18. | Relative slope stability of Gig Harbor Peninsula, Pierce County, Washington, by Mackey Smith. 1976. 21 x 35 in. color sheet, scale 1:31,250. [ONLINE] | In print | GM-33. | Geologic map of the Humptulips [15-minute] quadrangle and adjacent areas, Grays Harbor County, Washington, by W. W. Rau. 1986. 31 x 41 in. color sheet, scale 1:62,500. [ONLINE] | In print |
| GM-19. | Geologic factors affecting waste disposal practices, Gig Harbor Peninsula, Pierce County, Washington, by Mackey Smith. 1976. 1 sheet (21 x 35 in.), scale 1:31,250. [ONLINE] | In print | GM-34. | Geologic map of Washington—Southwest quadrant, by T. J. Walsh, M. A. Korosec, W. M. Phillips, R. L. Logan, and H. W. Schasse. 1987. 54 x 39 in. color sheet, scale 1:250,000, and accompanying explanatory sheet (63 x 40 in.), with 28 p. text. [Available rolled (R) or folded (F).] [ONLINE] | In print |
| GM-20. | Preliminary surficial geologic map of the Mukilteo and Everett [7.5-minute] quadrangles, Snohomish County, Washington, by Mackey Smith. 1976. 35 x 24 in. sheet, scale 1:24,000. [ONLINE] | In print | GM-35. | Geologic map of the Bluelight 15-minute quadrangle, Washington, by R. D. Bentley, N. P. Campbell, and J. E. Powell. 1988. 25 x 37 in. two-color sheet, scale 1:48,000. [ONLINE] | In print |
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| GM-22. | Mineral resource maps of Washington, by W. S. Moen. 1978. Four 28 x 19 in. color sheets, scale 1:1,000,000, with 4 p. text. [Reprinted 1986.] [ONLINE] | In print | GM-37. | Geologic map of the Logy Creek 15-minute quadrangle, Washington, by R. D. Bentley, N. P. Campbell, and J. E. Powell. 1988. 26 x 37 in. two-color sheet, scale 1:48,000. [ONLINE] | In print |
| GM-23. | Geologic map of the Marblemount [15-minute] quadrangle, Washington, by Peter Misch. 1979. 36 x 30 in. color sheet, scale 1:48,000. [ONLINE] | In print | | | |
| GM-24. | Geologic map in the vicinity of the lower Bogachiel and Hoh River valleys and the Washington coast, by W. W. Rau. 1979. 29 x 47 in. color sheet, scale 1:62,500. [ONLINE] | In print | | | |

■ GEOLOGIC MAPS ■

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| GM-39. | Geologic map of Washington—Northeast quadrant, by K. L. Stoffel, N. L. Joseph, S. Z. Waggoner, C. W. Gulick, M. A. Korosec, and B. B. Bunning. 1991. 62 x 39 in. color sheet, scale 1:250,000, and two accompanying explanatory sheets (57 x 39 in. and 46 x 39 in.), including a bedrock geologic and tectonic map at 1:625,000 scale, with 36 p. text. [Available rolled (R) or folded (F).] [ONLINE] | In print | GM-50. | Geologic map of Washington—Northwest quadrant, by J. D. Dragovich, R. L. Logan, H. W. Schasse, T. J. Walsh, W. S. Lingley Jr., D. K. Norman, W. J. Gerstel, T. J. Lapen, J. E. Schuster, and K. D. Meyers. 2002. 62 x 45 in. color sheet, scale 1:250,000, and two accompanying explanatory sheets (52 x 36 in. and 40 x 33 in.), with 72 p. text. [Available rolled (R) or folded (F).] [ONLINE] | In print |
| GM-40. | Geologic map of southeast Asotin County, Washington, by S. P. Reidel, P. R. Hooper, G. D. Webster, and V. E. Camp. 1992. 27 x 38 in. two-color sheet, scale 1:48,000, with 22 p. text. [ONLINE] | In print | GM-51. | Liquefaction susceptibility of the greater Tacoma urban area, Pierce and King Counties, Washington, by S. P. Palmer, W. J. Perkins, and W. P. Grant. 2003. 48 x 36 in. color pl., scale 1:30,000, with 11 p. text. [ONLINE] | In print |
| GM-41. | Liquefaction susceptibility for the Des Moines and Renton 7.5-minute quadrangles, Washington, by S. P. Palmer, H. W. Schasse, and D. K. Norman. 1994. Two 28 x 27 in. color sheets, scale 1:24,000, with 15 p. text. [ONLINE] | In print | GM-52. | Tectonic elements and evolution of northwest Washington, by E. H. Brown and J. D. Dragovich. 2003. 38 x 36 in. color sheet, scale 1:625,000, with 12 p. text. [ONLINE] | In print |
| GM-42. | Relative earthquake hazard map for the Vancouver, Washington, urban region, by M. A. Mabey, I. P. Madin, and S. P. Palmer. 1994. Two color sheets (28 x 30 in. and 28 x 32 in.), scale 1:24,000, with 5 p. text. [ONLINE] | In print | GM-53. | Geologic map of Washington State, by J. Eric Schuster. 2005. 55.5 x 36 in. color sheet, scale 1:500,000, with 44 p. text. [Available rolled (R) or folded (F)] [ONLINE] | In print |
| GM-43. | Liquefaction susceptibility for the Auburn and Poverty Bay 7.5-minute quadrangles, Washington, by S. P. Palmer, T. J. Walsh, R. L. Logan, and W. G. Gerstel. 1995. Two 24 x 26 in. color sheets, scale 1:24,000, with 15 p. text. [ONLINE] | In print | GM-54. | Geologic map of the Deer Park 7.5-minute quadrangle, Spokane County, Washington, by R. E. Derkey, M. M. Hamilton, and D. F. Stradling. 2005. 36 x 42 in. color sheet, scale 1:24,000. [ONLINE] | In print |
| GM-44. | Liquefaction susceptibility for the Sumner 7.5-minute quadrangles, Washington, by J. D. Dragovich and P. T. Pringle, with a section on liquefaction by S. P. Palmer. 1995. 24 x 26 in. color sheet, scale 1:24,000, with 26 p. text. [ONLINE] | In print | GM-55. | Geologic map of the Chattaroy 7.5-minute quadrangle, Spokane County, Washington, by R. E. Derkey, M. M. Hamilton, and D. F. Stradling. 2005. 36 x 42 in. color sheet, scale 1:24,000. [ONLINE] | In print |
| GM-45. | Geologic map of Washington—Southeast quadrant, by J. E. Schuster, C. W. Gulick, S. P. Reidel, K. R. Fecht, and Stephanie Zurenko. 1997. 62 x 39 in. color sheet, scale 1:250,000, and accompanying explanatory sheet (38 x 31 in.) with bedrock geology and tectonic map at 1:625,000, with 20 p. text. [Available folded only.] [ONLINE] | In print | GM-56. | Geologic map of the East Olympia 7.5-minute quadrangle, Thurston County, Washington, by T. J. Walsh and R. L. Logan. 2005. 42 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print |
| GM-46. | Geologic map and bedrock history of the Gilbert 7.5-minute quadrangle, Chelan and Okanogan Counties, Washington, by J. D. Dragovich, D. K. Norman, R. A. Haugerud, and R. B. Miller. 1997. 40 x 28 in. two-color sheet, scale 1:24,000, with 67 p. text. [ONLINE] | In print | GM-57. | Geologic map of the Port Townsend South and part of the Port Townsend North 7.5-minute quadrangles, Jefferson County, Washington, by H. W. Schasse and S. L. Slaughter. 2005. 42 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print |
| GM-47. | Geologic folio of the Olympia–Lacey–Tumwater urban area, Washington—Liquefaction susceptibility map, by S. P. Palmer, T. J. Walsh, and W. G. Gerstel. 1999. 31 x 27 in. color sheet, scale 1:48,000, with 16 p. text. [ONLINE] | Out of print | GM-58. | Geologic map of the Coupeville and part of the Port Townsend North 7.5-minute quadrangles, Island County, Washington, by Michael Polenz, S. L. Slaughter, and G. W. Thorsen. 2005. 50 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print |
| GM-48. | Liquefaction susceptibility of the greater Eastside area, King County, Washington, by S. P. Palmer, B. D. Evans, and H. W. Schasse. 2002. 29 x 36 in. color sheet, scale 1:36,000, with 14 p. text. [ONLINE] | In print | GM-59. | Geologic map of the Oak Harbor, Crescent Harbor, and part of the Smith Island 7.5-minute quadrangles, Island County, Washington, by J. D. Dragovich, G. T. Petro, G. W. Thorsen, S. L. Larson, G. R. Foster, and D. K. Norman. 2005. Two 42 x 36 in. color sheets, scale 1:24,000. [ONLINE] | In print |
| | | | GM-60. | Geologic map of the Timberwolf Mountain 7.5-minute quadrangle, Yakima County, Washington, by P. E. Hammond. 2005. 48 x 36 in. color sheet, scale 1:24,000. Additional information available as Open File Report 2005-5. [ONLINE] | In print |

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| GM-61. | Geologic map of the McMurray 7.5-minute quadrangle, Skagit and Snohomish Counties, Washington, with a discussion of the evidence for Holocene activity on the Darrington–Devils Mountain fault zone, by J. D. Dragovich and A. J. DeOme. 2006. 33 x 36 in. color sheet, scale 1:24,000, with 18 p. text. [ONLINE] | In print | GM-70 | Geologic map of the Juniper Beach 7.5-minute quadrangle, Island County, Washington, by H. W. Schasse, M. L. Kalk, and Michael Polenz. 2009. 39 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print |
| GM-62. | Geologic map of the College Place and Walla Walla 7.5-minute quadrangles, Walla Walla County, Washington, and Umatilla County, Oregon, by R. E. Derkey, D. F. Stradling, K. A. Lindsey, and T. L. Tolan. 2006. 46 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print | GM-71 | Geologic map of the Olsen Canyon 7.5-minute quadrangle, Lincoln and Stevens Counties, Washington, by R. E. Derkey and M. M. Hamilton. 2009. 42 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print |
| GM-63. | Geologic map of the Fox Island 7.5-minute quadrangle, Pierce County, Washington, by R. L. Logan, T. J. Walsh, and K. G. Troost. 2006. 33 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print | GM-72 | Geologic map of the Maytown 7.5-minute quadrangle, Thurston County, Washington, by R. L. Logan, T. J. Walsh, B. W. Stanton, and I. Y. Sarikhan. 2009. 42 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print |
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| GM-69. | Geologic map of the Langley and western part of the Tulalip 7.5-minute quadrangles, Island County, Washington, by H. W. Schasse, M. L. Kalk, B. B. Petersen, and Michael Polenz. 2009. 47 x 36 in. color sheet, scale 1:24,000. [ONLINE] | In print | | | |

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| 3. | Mineral resources of the Wenatchee–Ellensburg–Yakima region, by S. L. Glover. 1942. 13 p. [ONLINE] | Out of print | | | |
| 4. | Coal and coal mining in Washington, by S. H. Green. 1943. 41 p., 3 figs. [ONLINE] | Out of print | | | |
| 4R. | Coal and coal mining in Washington, by S. H. Green. 1947. 41 p., 3 figs. [Revision of RI 4.] [ONLINE] | Out of print | | | |
| 5. | Memorandum report on iron ores of the Cle Elum district, Washington, by Carl Zappfe. 1944. 27 p., 2 pl., 5 figs. [ONLINE] | Out of print | | | |
| 6. | Relation of geology to mineralization in the Morton cinnabar district, Lewis County, Washington, by J. H. Mackin. 1944. 47 p., 2 pl., 13 figs. [ONLINE] | Out of print | | | |
| 7. | Manganese deposits of the Olympic Peninsula, Washington, by S. H. Green. 1945. 45 p., 5 pl., 1 fig. [ONLINE] | Out of print | | | |

Division of Geology

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|--|--|
| 1. | Abstract of the report [by Solon Shedd] on the geology and resources of the Pasco and Prosser quadrangles, by H. E. Culver. 1926. 7 p., 1 pl. [ONLINE] | Out of print | | | |
| 2. | Oil and gas possibilities of western Whatcom County, by S. L. Glover. 1935. 69 p., 1 pl., 1 fig. [ONLINE] | Out of print | | | |
| 3. | A report on a geologic reconnaissance of the St. Helens mining district, Washington, by Everett Hougland. 1935. 4 p., 1 fig. [ONLINE] | Out of print | | | |
| 4. | Preliminary report on petroleum and natural gas in Washington, by S. L. Glover. 1936. 24 p., 1 pl. [ONLINE] | Out of print | | | |
| 5. | Preliminary report on magnesite deposits of Stevens County, Washington, by W. A. G. Bennett. 1941. 25 p., 2 pl., 1 fig. [ONLINE] | Out of print | | | |
| 6. | Inventory of mineral properties in Snohomish County, Washington, by W. A. Broughton. 1942. 64 p., 1 pl. [Accompanied by Index to mineral properties of Snohomish County. 1942. 8 p., tables.] [ONLINE] | Out of print | | | |
| 7. | Character and tonnage of the Turk magnesite deposit, by W. A. G. Bennett. 1943. 22 p., 1 pl., 1 fig. [ONLINE] | In print | | | |
| 8. | The Buckhorn iron deposits of Okanogan County, Washington; Results of a magnetic survey, by W. A. Broughton. 1943. 21 p., 1 pl., 4 figs. [ONLINE] | Out of print | | | |
| 9. | Inventory of mineral properties in Chelan County, Washington, by M. T. Huntting. 1943. 63 p., 1 pl. [ONLINE] | Out of print | | | |
| 10. | The Blewett iron deposit, Chelan County, Washington (with preliminary tonnage estimates), by W. A. Broughton. 1943. 17 p., 1 pl., 2 figs. [ONLINE] | Out of print | | | |
| 11. | Stratigraphic aspects of the Blewett–Cle Elum iron ore zone, Chelan and Kittitas Counties, Washington, by R. L. Lupher. 1944. 63 p., 2 pl. [ONLINE] | Out of print | | | |
| 12. | Economic aspects of the Blewett–Cle Elum iron ore zone, Chelan and Kittitas Counties, Washington, by W. A. Broughton. 1944. 42 p., 7 pl., 14 figs. [ONLINE] | Out of print | | | |
| 13. | Dolomite resources of Washington, by W. A. G. Bennett. 1944. 35 p., 12 pl., 2 figs. [ONLINE] | Out of print | | | |
| 14. | Some magnetite deposits of Stevens and Okanogan Counties, Washington, by W. A. Broughton. 1945. 24 p., 5 pl., 1 fig. [ONLINE] | Out of print | | | |

Division of Mines and Geology

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| 15. | Pumice and pumicite occurrences of Washington, by Ward Carithers. 1946. 78 p., 6 pl., 7 figs. [ONLINE] | Out of print | | | |
| 16. | Origin and occurrence of gem stones in Washington, by S. L. Glover. 1949. 32 p. [ONLINE] | Out of print | | | |
| 17. | Perlite and other volcanic glass occurrences in Washington, by M. T. Huntting. 1949. 32 p. [ONLINE] | Out of print | | | |
| 18. | Molybdenum occurrences of Washington, by C. P. Purdy Jr. 1954. 118 p., 13 pl., 4 figs. [ONLINE] | Out of print | | | |
| 19. | A stratigraphic section in the Yakima Basalt and the Ellensburg Formation in south-central Washington, by J. H. Mackin. 1961. 5 p., 9 pl., 4 figs. [ONLINE] | Out of print | | | |
| 20. | Geological interpretation of airborne magnetometer and scintillometer survey—Mt. Bonaparte, Bodie Mountain, Curlew, Aeneas, and Republic quadrangles, Okanogan and Ferry Counties, Washington, by Hunting Geophysical Services, Inc. 1960. 34 p., 25 pl., 2 figs. [ONLINE] | Out of print | | | |
| 21. | Stratigraphy of Eocene rocks in a part of King County, Washington, by J. D. Vine. 1962. 20 p., 3 figs. [ONLINE] | Out of print | | | |
| 22. | Tertiary geologic history of western Oregon and Washington, by P. D. Snively Jr. and H. C. Wagner. 1963. 25 p., 23 figs. [ONLINE] | Out of print | | | |
| 23. | Mineralogy of black sands at Grays Harbor, Washington, by G. W. Thorsen. 1964. 29 p., 6 figs. [ONLINE] | Out of print | | | |

Division of Geology and Earth Resources

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|--|--|
| 24. | Mount St. Helens ash—Properties and possible uses, by W. S. Moen and G. B. McLucas. 1981. 60 p., 28 figs. [ONLINE] | In print | | | |
| 25. | A cross section of a Nevada-style thrust in northeast Washington, by J. R. Snook, H. E. Lucas, and M. J. Abrams. 1981. 9 p., 2 figs. [ONLINE] | Out of print | | | |
| 26. | Coastal wells of Washington, by W. W. Rau and C. R. McFarland. 1982. 4 sheets. [ONLINE] | In print | | | |
| 27. | Geology of the Grande Ronde lignite field, Asotin County, Washington, by K. L. Stoffel. 1984. 79 p., 1 pl., scale 1:48,000, 71 figs. [ONLINE] | In print | | | |
| 28. | Tin, tungsten, and molybdenum geochemistry of parts of Stevens and Spokane Counties, Washington, by B. B. Bunning. 1985. 57 p., 30 figs. [ONLINE] | In print | | | |
| 29. | Mima Mounds—An evaluation of proposed origins with special reference to the Puget Lowland, by A. L. Washburn. 1988. 53 p., 13 figs. [ONLINE] | In print | | | |

■ REPORTS OF INVESTIGATIONS ■

In-print Reports of Investigations are sold through the Washington State Department of Printing General Store (see p. 3)

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| <p>30. Geology of the Upper Proterozoic to Lower Cambrian Three Sisters Formation, Gypsy Quartzite, and Addy Quartzite, Stevens and Pend Oreille Counties, northeastern Washington, by K. A. Lindsey, D. R. Gaylord, and L. H. Groffman. 1990. 37 p., 29 figs. [ONLINE]</p> <p>31. Paleontology and stratigraphy of Eocene rocks at Pulali Point, Jefferson County, eastern Olympic Peninsula, Washington, by R. L. Squires, J. L. Goedert, and K. L. Kaler. 1992. 27 p., 3 pl., 7 figs. [ONLINE]</p> <p>32. Liquefaction features from a subduction zone earthquake—Preserved examples from the 1964 Alaska earthquake, by T. J. Walsh, R. A. Combellick, and G. L. Black. 1995. 80 p., 75 figs., 3 tables. [ONLINE]</p> <p>33. Late Pleistocene stratigraphy in the south-central Puget Lowland, Pierce County, Washington, by R. K. Borden and K. G. Troost. 2001. 33 p., 29 figs., 3 tables. [ONLINE]</p> | <p>In print</p> <p>In print</p> <p>In print</p> <p>In print</p> | <p>34. Digital landslide inventory for the Cowlitz County urban corridor—Kelso to Woodland (Coweeman River to Lewis River), Cowlitz County, Washington, by K. W. Wegmann. 2003. Consists of a GIS inventory of landslides as ArcView shapefiles, a Microsoft Access database, a Microsoft Excel spreadsheet version of the database, digital photographs of individual landslides, associated metadata, 1:24,000-scale landslide inventory maps for 7.5-minute quadrangles in the inventory area, and a 20 p. text. 1 CD-ROM. <i>Superseded by Report of Investigations 35.</i></p> <p>35. Digital landslide inventory for the Cowlitz County urban corridor, Washington, by K. W. Wegmann. 2006. Consists of a GIS inventory of landslides as ESRI shapefiles with associated metadata, digital photographs of individual landslides, 1:24,000-scale landslide inventory maps for 7.5-minute quadrangles in the inventory area, and a 24 p. text. 1 CD-ROM. [ONLINE] <i>Supersedes Report of Investigations 34.</i></p> | <p>Out of print</p> <p>In print</p> |
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■ RESOURCE MAPS ■

Resource Maps are sold through the Washington State Department of Printing General Store (see p. 3)

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| <p>1. Rock aggregate resource lands inventory map for Clark County, Washington, by C. N. Johnson, S. P. Palmer, and J. L. Poelstra. 2005. 36 x 36 in. color sheet, scale 1:100,000. [ONLINE]</p> <p>2. Rock aggregate resource lands inventory map for Yakima County, Washington, by S. P. Palmer, J. L. Poelstra, and C. N. Johnson. 2005. 38 x 36 in. color sheet, scale 1:200,000. [ONLINE]</p> | <p>In print</p> <p>In print</p> | <p>3. Potential growing areas for wine grapes in the Yakima Valley, Washington, by D. K. Norman, A. J. Busacca, and Wade Wolfe. 2009. 48 x 36 in. color sheet, scale 1:110,000. [ONLINE]</p> | <p>In print</p> |
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■ TOPOGRAPHIC MAPS ■

In-print Topographic Maps are sold through the Washington State Department of Printing General Store (see p. 3)

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| <p>TM-1. State of Washington—Southwest quadrant, prepared by Division of Geology and Earth Resources staff. 1987. 1 sheet, scale 1:250,000. [Available rolled (R) or folded (F).] [ONLINE]</p> <p>TM-2. State of Washington—Northeast quadrant, prepared by Division of Geology and Earth Resources staff. 1991. 1 sheet, scale 1:250,000. [Available rolled (R) or folded (F).] [ONLINE]</p> | <p>In print</p> <p>In print</p> | <p>TM-3. Topographic map, State of Washington—Southeast quadrant, prepared by Division of Geology and Earth Resources staff. 1997. 1 sheet, scale 1:250,000. [Available rolled (R) or folded (F).] [ONLINE]</p> | <p>In print</p> |
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■ REPRINTS ■

Reprints are available online only.

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| <p>1. Ringold Formation of Pleistocene age in type locality, the White Bluffs, Washington, by R. C. Newcomb. 1958. 14 p. [ONLINE]</p> | Web only | <p>6. Geology of the Jumbo Mountain nickel deposit, Snohomish County, Washington, by J. W. Mills. 1960. 4 p. [ONLINE]</p> | Web only |
| <p>2. Pleistocene sequence in southeastern part of the Puget Sound lowland, Washington, by D. R. Crandell, D. R. Mullineaux, and H. H. Waldron. 1958. 15 p. [ONLINE]</p> | Web only | <p>7. Mineralogy and geochemistry of the Read magnetite deposit, southwestern Stevens County, Washington, by W. A. G. Bennett; and Ludwigite from the Read magnetite deposit, Stevens County, Washington, by W. T. Schaller and A. C. Vlisidis. 1962. 13 p. [ONLINE]</p> | Web only |
| <p>3. Tertiary stratigraphic papers, southwestern Washington: McIntosh formation, Centralia-Chehalis coal district, Washington, by P. D. Snavely, Jr., W. W. Rau, Linn Hoover, Jr., and A. E. Roberts; Lyre formation (redefinition), northern Olympic Peninsula, Washington, by R. D. Brown, Jr., P. D. Snavely, Jr., and H. D. Gower; Twin River formation (redefinition), northern Olympic Peninsula, Washington, by R. D. Brown, Jr., and H. D. Gower. 1959. 50 p. [ONLINE]</p> | Web only | <p>8. Emplacement of the Twin Sisters Dunite, Washington, by D. M. Ragan. 1963. 16 p. [ONLINE]</p> | Web only |
| <p>4. Nickel-gold ore of the Mackinaw mine, Snohomish County, Washington, by Charles Milton and D. J. Milton. 1959. 22 p. [ONLINE]</p> | Web only | <p>9. Mineral and water resources of Washington, by the U.S. Geological Survey and others. 1966. 436 p. [ONLINE]</p> | Web only |
| <p>5. What are the prospects in Washington State?, by F. H. Wurden; and Puget Sound area has several prospective oil and gas basins, by J. Q. Anderson. 1959. 10 p. [ONLINE]</p> | Web only | <p>10. Washington mineral deposits, by M. T. Huntting. 1966. 7 p. [ONLINE]</p> | Web only |
| | | <p>11. The search for hot rocks—Geothermal exploration, Northwest, by J. E. Schuster. 1973. 3 p. [ONLINE]</p> | Web only |
| | | <p>12. Geology of Washington, by the U.S. Geological Survey. 1978. 51 p., 1 pl. [ONLINE]</p> | Web only |
| | | <p>13. An assessment of the oil and gas potential of the Washington outer continental shelf, by S. P. Palmer and W. S. Lingley, Jr. 1989. 83 p., 12 pl. [ONLINE]</p> | Web only |

■ MISCELLANEOUS REPORTS ■

Miscellaneous Reports are available online only.

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| Annotated bibliography of Washington clays, by W. H. Reichert. 1963. 19 p. [ONLINE] | Web only | Marine shore landslides and landforms, Thurston County—GIS data, Oct. 2009, by the Washington Division of Geology and Earth Resources. 2009. 4.40MB. [ONLINE] | Web only |
| Bibliography of Snohomish County geology, with an index to geologic mapping, by S. J. Simpson. 1979. 81 p., 6 pl. [ONLINE] | Web only | Mine production record set in 1965, by M. T. Huntting. 1966? 3 p. [ONLINE] | Web only |
| Capitol campus greenhouse soil stability investigation status report, by S. P. Palmer and W. J. Gerstel. 1995. 1 v. [ONLINE] | Web only | Mine resource programs—Present and future, by M. T. Huntting. 1964. 3 p. [ONLINE] | Web only |
| Colloidal fuel, by M. C. Butler. 1934. 9 p. [ONLINE] | Web only | Mineral exploration in Washington—1960, by M. T. Huntting. 1961? 2 p. [ONLINE] | Web only |
| Cyanide heap leaching—A report to the Legislature, by D. K. Norman and R. L. Raforth. 1994. 28 p. [ONLINE] | Web only | Mineral resources in the Puget Sound area, by the U.S. Bureau of Mines; Washington Division of Mines and Geology; Washington Department of Natural Resources. 1968. 150 p. [ONLINE] | Web only |
| Dolomite and andalusite deposits of northern Stevens County, by W. S. Moen and W. A. G. Bennett. 1963. 4 sheets, scale 1:62,500. [ONLINE] | Web only | Mining developments and future needs of Washington, by M. T. Huntting. 1965. 6 p. [ONLINE] | Web only |
| A factual review of mining developments in the State of Washington in 1947, by S. H. Green. 1947. 4 p. [ONLINE] | Web only | Mining in the Pacific Northwest, by L. K. Hodges. 1897. 183 p. [ONLINE] | Web only |
| “Firsts,” 1957–1964—Division of Mines and Geology, by M. T. Huntting? 1964? 2 p. [ONLINE] | Web only | Mining in Washington, by C. P. Purdy, Jr. 1953. 3 p. [ONLINE] | Web only |
| Forest Slope Stability Project, Phase I, by A. J. Fiksdal and M. J. Brunengo. 1980. 18 p., 7 pl. [ONLINE] | Web only | Mount St. Helens—A bibliography of geoscience literature, 1882–1986, by C. J. Manson, C. H. Messick, and G. M. Sinnott. 1987. 205 p. [AUTHOR] [SUBJECT] | Web only |
| Forest Slope Stability Project, Phase II, by A. J. Fiksdal and M. J. Brunengo. 1981. 2 v. [ONLINE] | Web only | Notes on division history, by J. E. Schuster. 1986. 9 p. [ONLINE] | Web only |
| Fundamentals of blasting and reclamation workshop, by Albert E. Teller. 1994. [ONLINE] | Web only | Oil and gas studies by the Division of Geology, by S. L. Glover. 1936. 8 p. [ONLINE] | Web only |
| Gems and minerals of Washington, by Bob Pattie. 1985. 1 sheet, scale 1:443,520. [ONLINE] | Web only | Origin of Dry Falls [Grant County], by V. E. Livingston, Jr. 1964. 4 p. [ONLINE] | Web only |
| Geothermal energy—Questions and answers, by J. E. Schuster. 1972. 4 p. [ONLINE] | Web only | An outline of mining laws of the State of Washington, compiled and annotated, by M. H. Van Nuys. 1940. 55 p. [superseded by Bulletin 41] [ONLINE] | Web only |
| Ghost Town References, by the State of Washington Board of Natural Resources. 1968? 3 p. [ONLINE] | Web only | Petroleum potential and probability of renewed mineral-rights leasing in the Columbia Basin, Washington, by W. S. Lingley, Jr. 1995. 43 p. [ONLINE] | Web only |
| Guide to production of 1:100,000-series open file reports, by Bill Phillips. 1988. 17 p. [ONLINE] | Web only | A pre-1980 eruption description of Mount St. Helens, by the Washington Division of Geology and Earth Resources. 1980. 10 p. [ONLINE] | Web only |
| Holden tailings [Holden mine, Chelan County], by G. W. Thorsen. 1970. 20 p. [ONLINE] | Web only | Preliminary report on mineral resources of the Cougar Lake limited area [Yakima County], by W. S. Moen. 1962. 9 p. [ONLINE] | Web only |
| Holocene geologic history and sedimentology of the Duwamish and Puyallup valleys, Washington, by S. P. Palmer. 1997. 32 p. [ONLINE] | Web only | Preliminary report on the mines and prospects of the upper Methow region, Okanogan and Whatcom Counties, by Ward Carithers. 1946. 40 p. [ONLINE] | Web only |
| Index of geotechnical studies of the Washington State capitol campus and vicinity, by R. A. Christie. 1993. 4 p., 1 pl. [ONLINE] | Web only | Quick report: Landslide reconnaissance following the January 7th, 2009 storm, by the Washington Division of Geology and Earth Resources. [ONLINE] | Web only |
| Introduction to the petroleum geology of the Olympic coast of Washington and adjacent portions of the continental shelf—A road log—Ocean Shores to Kalaloch guidebook, by Washington Division of Geology and Earth Resources staff. 1988. 46 p. [ONLINE] | Web only | Quick report: Landslide reconnaissance following the December 3, 2007 storm, by the Washington Division of Geology and Earth Resources. [ONLINE] | Web only |
| Landslide of January 1967 which diverted the North Fork of the Stillaguamish River near Hazel [Snohomish County], by G. W. Thorsen. 1970. 8 p. [ONLINE] | Web only | Reconnaissance geology of the Matheny Ridge–Higley Peak areas, Olympic Peninsula, Washington, by W. S. Lingley, Jr., R. L. Logan, T. J. Walsh, W. J. Gerstel, H. W. Schasse. 1996. 31 p., 1 pl., scale 1:62,500. [ONLINE] | Web only |
| A learning guide on the geology of the Cispus Environmental Center area, Lewis County, Washington, by J. E. Schuster. 1973. 53 p. [ONLINE] | Web only | Report of natural resources survey from October 1, 1933, to March 1, 1935, by T. B. Hill. 1935. 30 p. [ONLINE] | Web only |
| Liquefaction susceptibility mapping for selected urban areas in the central Puget Sound region, Washington—Final technical report, by S. P. Palmer, W. J. Perkins, and W. P. Grant. 2004. 1 v. [ONLINE] | Web only | | |

■ MISCELLANEOUS REPORTS ■

Miscellaneous Reports are available online only,

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| <p>A set of Washington rocks and minerals for schools, by Washington Division of Mines and Geology; Washington State Superintendent of Public Instruction. 1963. 13 p. [ONLINE]</p> <p>State Department of Conservation has record year [1962], by Marshall T. Huntting. 1963. 7 p. [ONLINE]</p> <p>State mineral production at all time high in 1964, by M. T. Huntting. 1965? 4 p. [ONLINE]</p> <p>State mineral production near record level in 1966, by M. T. Huntting. 1967? 9 p. [ONLINE]</p> <p>Steilacoom gravel, by S. H. Green and M. T. Huntting. 1948. 9 p. [ONLINE]</p> | <p>Web only</p> <p>Web only</p> <p>Web only</p> <p>Web only</p> <p>Web only</p> | <p>Surface-mined land reclamation act training session, by M. T. Huntting, D. M. Ford, and John Griffiths. 1970. 1 v., 76 p. [ONLINE]</p> <p>Thunder Creek basin, Skagit County—Report of DNR Study Team, by Jerry Thorsen. 1989. 33 p. [ONLINE]</p> <p>Tumtum Mountain [Clark County]—A potential source of feldspar, by W. A. G. Bennett. 1964. 5 p. [ONLINE]</p> <p>Washington mineral industry—1960, by M. T. Huntting. 1961? 5 p. [ONLINE]</p> <p>Washington's coal—History and future development potential, by Raymond Lasmanis and H. W. Schasse. 1982. 24 p. [ONLINE]</p> | <p>Web only</p> <p>Web only</p> <p>Web only</p> <p>Web only</p> <p>Web only</p> |
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■ MISCELLANEOUS PUBLICATIONS ■

Miscellaneous publications are no longer available through our Olympia office.

Color Page-Size Geologic Map of Washington

This 8½ x 14 in. map, compiled by J. E. Schuster, includes a brief description of the geologic history of Washington. Scale 1:2,250,000 (or 1 in. ≈ 37 mi). Revised 2009. *Available through the Washington State Department of Printing (see p. 3).* [ONLINE]

Color Postcard Geologic Map of Washington

This 5 x 7 in. postcard is a reduced version of the map below. Revised 2009. *Available through the Washington State Department of Printing (see p. 3).*

DGER News

DGER News was an electronic-only newsletter about the activities of the Division. It was published quarterly from 2003 to 2007 and is available in PDF format. [ONLINE]

Geothermal Resources of Washington

This 8½ x 11 in. color map shows areas of high temperature (~100°C [212°F] or higher) and low temperature (20°C [68°F] or higher) geothermal resources in Washington State in relation to public and private land ownership. Revised 2009. [ONLINE]

Index to Geologic and Geophysical Mapping

The *Index to Geologic and Geophysical Mapping* is available electronically. [ONLINE]

Mount St. Helens Slide Sets

Two sets of slides of the eruptions and short descriptions of the scenes are available:

Set 1 contains 20 slides and covers the period from March through June 1980. The first slide, taken March 25, shows the west side of Mount St. Helens. The last slide, taken June 19, shows steam venting from the volcano. [ONLINE]

Set 2 contains 20 slides and covers the period from May 18, 1980, to May 13, 1981. The first slide shows timber blown down by the May 18, 1980, eruption. The last slide shows new vegetation in the blast zone. [ONLINE]

Washington Geology Journal

Washington Geology was published about four times a year from 1973 to 2002. It is currently on hiatus. All issues are available in PDF format. Articles cover topics of interest to both geologists and the general public. [ONLINE]

Washington State Minerals Checklist

A list of minerals that have been found in Washington State with check boxes to keep track of your life list. Revised 2011. [ONLINE]

FIELD TRIPS

Aldercrest–Banyon Landslide

Geologic Field Trip to the Aldercrest–Banyon Landslide and Mount St. Helens, Washington, Part I—Stevenson to Castle Rock, by K. W. Wegmann. 2004. 24 p. [ONLINE]

Columbia River Highway Waterfalls

Waterfall loop tour on the historic Columbia River Highway [Oregon] [ONLINE]

GEOLOGY RECREATION AND EDUCATION

Fossil and Mineral Collecting

Information on fossil and mineral collecting in Washington, includes [Fossils in Washington](#), [Gem and Mineral Clubs](#), [Gems and Minerals of Washington](#), and [Mineral Checklist](#). [ONLINE]

Geology Resources for Teachers

Selected information about earth science for teachers, including online sources. [ONLINE]

Gold Panning

Information on recreational placer gold mining and mining claims procedures (both state and federal), includes [Mining Claims and Sites on Federal Lands](#), [Small Scale Prospecting and Placer Mining in Washington](#), [Boundaries of State-owned Aquatic Lands](#), [Recreational Gold Panning](#), and the “Gold & Fish” brochure. [ONLINE]

REGULATORY INFORMATION

Energy Resource Regulation – Oil and Gas Conservation Act and accompanying rules and regulations; includes the Underground Gas Storage Act. [ONLINE]

Surface Mining Reclamation – Surface Mining Reclamation Act and accompanying rules and regulations. [ONLINE]

Surface Mining Reclamation Forms – Forms needed to apply for a Surface Mining Reclamation Permit. [ONLINE]

TOPOGRAPHIC INDEXES FOR WASHINGTON STATE

We have scanned our collection of U.S. Geological Survey topographic quadrangle indexes and catalogs for Washington State. Some quadrangle names have changed over the years. These indexes provide a historical record of the evolution of topographic mapping in Washington State. [1996] [1987] [1983] [1982] [1980] [1976] [1974] [1973] [1965] [1960] [1959] [1958] [1957] [1956] [1955] [1953] [1941] [1933] [1914] [1903]

Washington State Historic Topographic Maps—Inventory held by the Washington Geology Library. This is a list of topographic maps by the USGS and Army Map Service at scales of 1:24,000, 1:25,000, 1:62,500, and 1:125,000. The maps themselves are not online, but the inventory will tell you what we have on hand before you make the trip to Olympia. [ONLINE]

You may be able to find scans of historic topographic maps at the USGS Historical Topographic Map Collection at <http://nationalmap.gov/historical/>.

For more information on the topographic mapping of Washington State, see the article in *Washington Geology* [v. 20, no. 1, p. 41].