

ESS 455: Stratigraphy

Resources for Research

Library Contact: Matthew Parsons, Map Librarian/ESS Librarian

Email: parsonsm@u.washington.edu

Office: Map Collection, Suzzallo Library, basement

Web page: <http://www.lib.washington.edu/subject/librarians/parsonsm.html>

Article Databases

[GeoRef](#)

Summary: A database that provides access to the geoscience literature of the world. It contains over 2.6 million citations from geoscience journals (over 3,500 titles), books, conference papers, theses, and maps from around the world.

- TIP: try turning on/off the “Exclude Abstract Only” option by checking the appropriate box on the search screen.
- Coverage is from **1693-present** for geology on North America and **1933-present** for geology on the other parts of the world.

[ISI Web of Science](#)

Summary: Multidisciplinary database to the journal literature of the sciences (including geology). It includes 5,900 major journal titles across 150 scientific disciplines. This database also lets you to do **cited reference searches**, allowing you to see which articles/authors have been cited and by whom. Cited reference searching allows you to track the path of research backward and forward through time.

- Be sure to search only the **Science Citation Index** by un-checking the boxes for Social Sciences and Arts & Humanities Citation Indexes at the bottom of the search screen.
- Coverage for the Science Citation Index is from **1955-present**.

Library Catalogs

[WorldCat](#)

Summary: WorldCat allows access to the wide range of resources. You are able to search our collection and the collections of many other libraries worldwide simultaneously.

- Although WorldCat has a global reach, you'll always see information about our collections and links to our services up front.
- Use simple keywords as you would on a Web search site. Try using words from a title; the name of the author; or words that describe the subject matter.

[UW Libraries' Catalog](#)

- Searches **only** the UW Libraries' collection of books, journal titles, maps, etc. by keyword, author, title, or subject.
 - Sample subject searches:
 - Geology, Stratigraphic – Miocene

- Geology – Washington State
 - Geology – Oregon – Maps
- Sample keyword search phrases:
 - Stratigraphic column and Washington State
 - Stratigraphic section and Oregon
 - Geolog* and Washington State and Maps
- **Do not** use the Libraries' catalog to search for individual articles, instead use one of the **article databases** mentioned above.

Library Units

[Natural Sciences Library](#) (Allen Library South, ground and 1st floors)

- Earth and space science materials (books, journals, theses, reports, etc.) are located in the Natural Sciences Library. Most geology related materials will have a call number beginning with QE (located on the 1st floor).

[Map Collection](#) (Suzzallo Library, basement)

- Location of the Libraries' map, atlas and GIS data holdings including geologic maps from the USGS, individual state agencies (Washington State DGER) and professional associations (GSA).

Research Guides and Writing Tools

[ESS Subject Page](#)

Summary: This page provides starting points for research in the earth sciences. Included are the major databases, catalogs, and electronic journals.

[Research 101](#)

Summary: An interactive online tutorial for students wanting an introduction to research skills. The tutorial covers the basics, including how to select a topic and develop research questions, as well as how to select, search for, find, and evaluate information sources.

[Citation & Writing Guides](#)

Summary: links to citation style guides, citation tools (RefWorks, EndNote, Zotero, etc.) and writing and grammar help.

Internet

[Google Scholar](#)

Summary: Google Scholar is a search tool that identifies scholarly research materials. It currently is most useful in the sciences and health sciences. Google Scholar can be used to identify some of the articles in journals that the UW Libraries subscribes to. To find additional articles, use the [research databases](#) identified as most useful for your subject.

- UW Libraries' [guide to using Google Scholar](#) and [video tutorial](#) (1:38 minutes).

[GeoMap NW](#)

Summary: a grant-funded collaborative research center hosted by the Earth and Space Sciences Department at the University of Washington. The mission of the Center is to provide geologic data and expertise, to conduct

geologic mapping and research, and to support the geologic research efforts of others throughout the Pacific NW and beyond.

[National Geologic Map Database](#)

Summary: a resource for maps and related data about geology, hazards, earth resources, geophysics, geochemistry, geochronology, paleontology, and marine geology from the USGS.

[USGS Library](#)

Summary: The USGS publishes and maintains a vast inventory of books, maps, reports, posters and other forms of information. Use the USGS Library to Search for books, maps, and records to download or borrow.

[Geologic Mapping of Washington](#)

Summary: Washington State geologic mapping information from the Department of Natural Resources, Division of Geology and Earth Resources (DGER). Includes links to the “Washington State Geologic Information Portal” and “Index to Geologic and Geophysical Mapping of Washington.”