Using U.S. Geological Survey (USGS) Uranium Research at the Princeton University Library

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Figure 1. New Uranium Mineral, Finchite, discovered in 2015

Figure 2. Uranophane, one of the many secondary uranium minerals

Figure 3. Uranium Ore

Abstract

Library materials are more available as digital products in publication databases; however, finding print, online subscriptions, and open-access library materials are more challenging for library users in the geosciences as program and project funding changes from year-to-year. Published content is often available online as full-text content to library users; nevertheless, for over one-hundred years, government scientists have provided uranium information available to the public through journal articles, conference proceedings, government reports, and other materials that are only partially available as full-text content or not available in a digital format. As a result, library research inquiries increase as geosciences librarians support students, faculty, and other researchers find government uranium data and publications from the U.S. Geological Survey (USGS) and the U.S. Atomic Energy Commission (AEC); for example, the National Uranium Resource Evaluation (NURE) program. Librarians assist users with the digital access to uranium ore, sediment, and water-quality data sources available from the USGS. This poster session will provide information used during research consultations to acquire physical and digital access to uranium research materials from USGS and AEC sources online and within the Princeton University Library's geosciences collection.

Summary

Identifying and finding uranium publications within the Princeton University Library's collection and supplemental online information sources of uranium publications and data from the USGS sources.

Uranium publications search : https://pubs.er.usgs.gov/search?q=uranium
Uranium search, all USGS products:
https://www.sciencebase.gov/catalog/items?q=uranium

USGS-AEC National Uranium Resource Evaluation (NURE) reports:
Trace Elements Investigations
Trace Elements Memorandum

USGS Photographs, Uranium (examples, figures 1-6)
USGS Multimedia search
USGS Denver Library Photographic Collection

Mines and Occurrences : https://mrdata.usgs.gov/mrds/
Search using form: https://mrdata.usgs.gov/mrds/find-mrds-graded.php
Select State/County or Country
Select commodity = Uranium

Radionuclides in Water: https://www.usgs.gov/mission-areas/water-resources/science/radionuclides

Plutonium, publications: https://pubs.er.usgs.gov/search?q=plutonium

Nuclear, publications: https://pubs.er.usgs.gov/search?q=nuclear

Yucca Mountain, publications: https://pubs.er.usgs.gov/search?q=yucca+mountain

Fukushima Dai-Ichi, publications: https://pubs.er.usgs.gov/search?q=fukushima+

Figure 4. Allium acuminatum, sulfur concentrator, useful in prospecting shallow uranium deposits

Figure 5. Manganese-uranium concretions on outcrop

Figure 6. Moab Valley