

Online Resources

- **Core Holdings List**

dnr.mo.gov/geology/geosrv/geores/mccracken.htm

List of core holdings at the McCracken Core Library, which includes core name, number, coordinates, legal description, collar elevation, and top and bottom geological formation names, when known.

- **Policy and Procedures**

dnr.mo.gov/pubs/pub2496.pdf

Procedures for core and cuttings sampling.

- **Center Sample Request Form**

dnr.mo.gov/forms/780-2220-f.pdf

Letter of agreement about sampling cores and cuttings.

- **Missouri Geoscience Technical Resource Assessment Tool**

(GeoSTRAT) dnr.mo.gov/geology/geostrat.htm

A web-based, interactive tool that allows users to explore geospatial data, using a personal computer or mobile device, that includes layers about McCracken Core Library and Research Center holdings.



Missouri Department of Natural Resources

Missouri Geological Survey

111 Fairgrounds Road

Rolla, MO 65401

Telephone: 573-368-2100

Fax: 573-368-2111

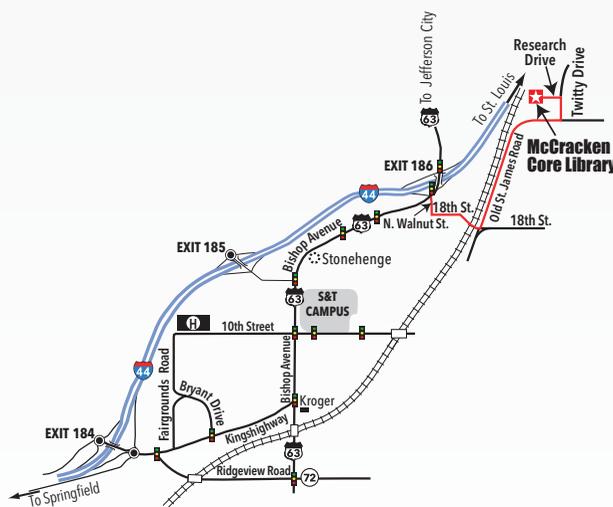
Email: gspgeol@dnr.mo.gov

dnr.mo.gov/geology/geosrv/geores/mccracken.htm

McCracken Core Library and Research Center

1 Research Drive, Rolla, Missouri

573-368-2157



The Missouri Geological Survey is accepting donations of cores and cuttings.



McCracken Core Library and Research Center

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McCracken Core Library and Research Center is a valuable repository of geologic information. The 21,000-square-foot facility houses more than 8 million feet of subsurface geologic material. The center is one of the largest public collections of drilling core and cuttings in the nation.





McCracken Core Library and Research Center Collections

- Cores from more than 3,300 drill holes.
- Cuttings from more than 15,000 drill holes from Missouri.
- More than 800 cores were drilled into igneous basement rock that formed more than 1.3 billion years ago.
- Large collection of thin sections and hand samples.
- Several hundred cores and cuttings related to energy and mineral exploration.
- Several hundred cores and cuttings related to lead-zinc and iron-oxide deposits.
- Analytical data including logs, geochemistry and thin sections.



Facility and Services

- Well-lit, climate controlled viewing areas.
- Binocular stereoscopic microscopes.
- High resolution core photography capabilities.
- X-ray fluorescence analyses.
- Core slabbing and sampling capabilities.
- Facilities for core workshops.



Visitors and Tours

Located at 1 Research Drive, Rolla, Missouri, the McCracken Core Library and Research Center is open to the public by appointment Monday through Friday from 8 a.m. to 4:30 p.m. Appointments can be scheduled by calling 573-368-2100. Visitors can sample core and cuttings for further analysis.



Core Research Benefits

- Leads to a better understanding of Missouri geology and hydrology.
- Yields data about bedrock that is useful in solving environmental, industrial and engineering problems.
- Reduces costs associated with drilling new or additional boreholes.
- Helps construct a geologic framework for assessing Missouri's mineral resource potential.
- Provides information about geological structures that cannot be accessed or evaluated by other means.
- Minimizes the number of holes drilled, reducing the number of pathways that might lead to groundwater contamination.

