Educational Cores and Workshops

The Utah Geological Survey has the expertise to teach or host several workshops, for both industry and academia, using core available at the UCRC. Many of these core workshops can be paired with field trips to observe the same rocks in spectacular outcrops throughout Utah.

- ***Ferron Sandstone*** – Cretaceous fluvial-deltaic depositional environments – Muddy Creek and Ivie Creek cores from the western San Rafael Swell
- ***Navajo Sandstone*** – Jurassic eolian systems – Covenant oil field, Central Utah Thrust Belt
- ***Leadville Limestone*** – Depositional environments, diagenesis, and hydrothermal alteration of the Mississippian Leadville Limestone, Paradox Basin
- ***Ismay and Desert Creek Zones, Paradox Formation*** – Pennsylvanian heterogeneous shallow-shelf carbonate buildups of the Paradox Basin, including the giant Greater Aneth field and nearby satellite fields
- ***Green River Formation*** – Eocene lacustrine systems, carbonate reservoirs – Skyline 16 research core, Uinta Basin
- ***Microbialites*** – Modern and ancient microbialite formation – modern Great Salt Lake, Eocene Green River Formation, Jurassic Twin Creek Limestone, Triassic Moenkopi Formation, Permian Kaibab Formation
- ***"Shale" plays*** – Uteland Butte and Mahogany zone (Eocene Green River Fm.); Cane Creek, Gothic, Hovenweep, and Chimney Rock shales (Pennsylvanian Paradox Fm.); Mancos Shale (Cretaceous); Manning Canyon Shale (Mississippian)
- ***"Tight" sands*** – Cretaceous Mesaverde Group, Uinta Basin
- ***Karst features in petroleum reservoirs*** – Emphasis on Mississippian carbonate cores

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Assistant Curator: Thomas Dempster
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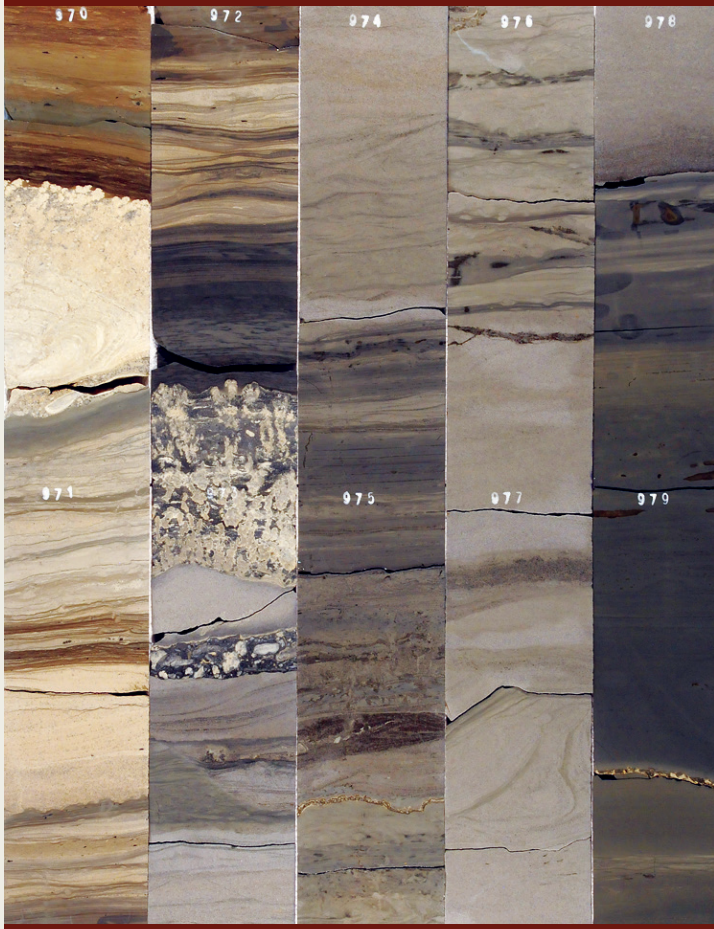
Utah Core Research Center
240 North Redwood Road
Salt Lake City, UT 84116

UCRC website

Catalog

Utah Geological Survey

UTAH CORE RESEARCH CENTER



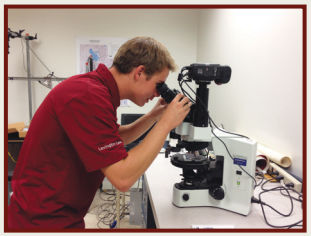
geology.utah.gov
(801) 537-3359
Open Monday–Friday
8:00 am to 5:00 pm

UCRC Collection

- Cores and cuttings from wells drilled for petroleum, coal, metals, potash, oil sands, oil shale, and water
- Core from about 2100 wells totaling 550,000 feet
- Cuttings from about 4900 wells totaling 24,000,000 feet
- 2300 thin sections
- 8400 core photographs
- Large collection of analytical data and geophysical logs

UCRC Facility and Services

- Large classroom (75+ people) for meetings or lectures, with projection equipment
- Large, well-lighted, core viewing area
- Binocular petrographic and stereoscopic microscopes
- High resolution core photography capabilities
- Slabbing, core plugging, and other sampling capabilities
- X-ray diffraction and x-ray fluorescence analyses

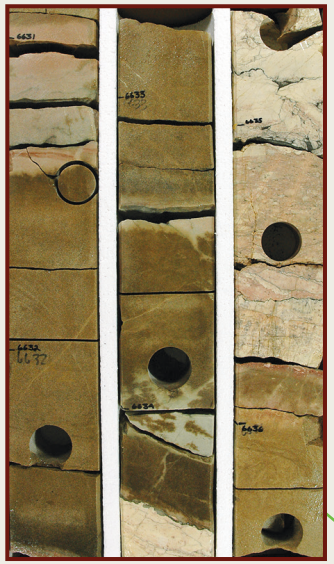


UCRC Fees

- Nominal fees apply for viewing core and general use of the facility
- Discounts offered to academia
- Contact the curator for more details

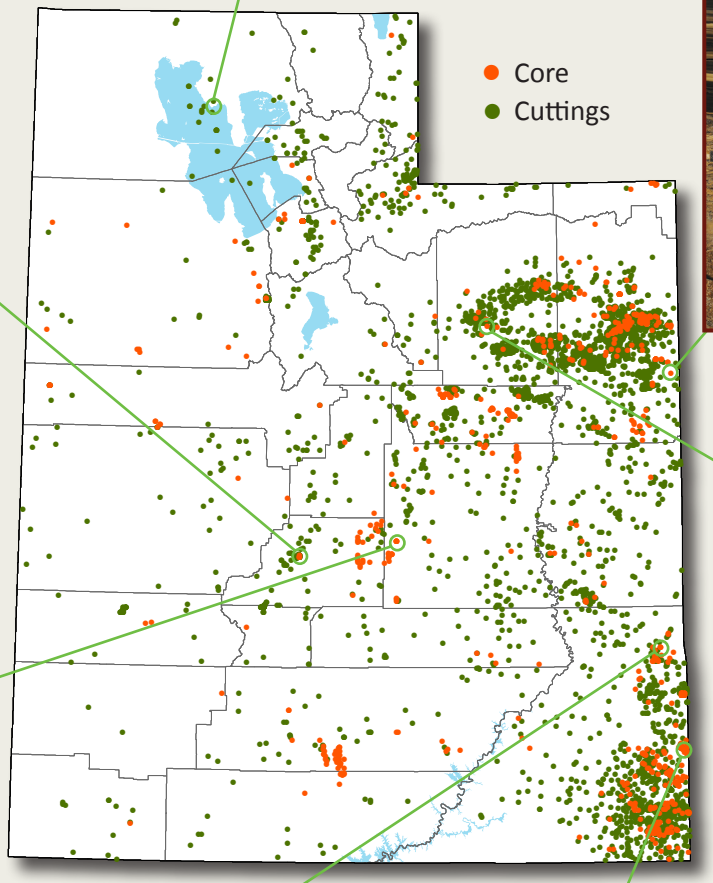
THE UCRC IS ALWAYS ACCEPTING CORE AND CUTTINGS DONATIONS

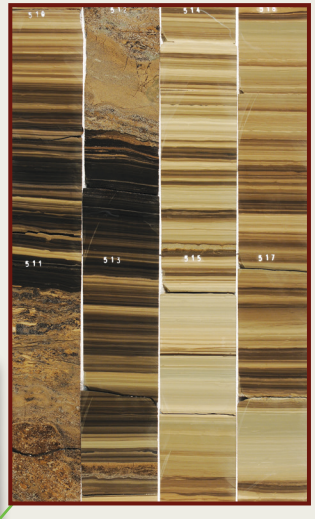
Wells with Available Core and Cuttings



Navajo Sandstone, Covenant oil field

Great Salt Lake modern microbialite hand sample





Green River Formation, Skyline 16 lacustrine core

Ferron Sandstone, Muddy Creek Canyon

Green River Formation, Uteland Butte “tight” oil play

Leadville Limestone brecciation

Paradox Formation phylloid algal buildups