Learner success

- PhD students Matt Rine and Cameron Manche meet weekly with Consumers Energy geologist Jon Garrett doing research to support natural gas storage.
- Three graduate students defended their thesis research that used MGRRE data and samples. Drs. Voice and Harrison served on their committees.
- Dr. Voice’s advanced stratigraphy class students examined cores at MGRRE for several lab assignments.
- Graduates and undergraduates identified chemical elements in cores using XRF technology.
- Three students made professional research presentations to the national Geological Society of America meeting.
- Six undergraduates worked on USGS-funded projects preserving samples.

Discovery and collaboration

- Dr. Harrison and his team completed a USGS NGGDPP project to preserve and inventory cores and cuttings from our two major freshwater aquifers, aggregate materials, and other natural deposits. The USGS Website now shows our proposal as the sample preservation proposal. Our potash core work is also shown as a preservation success story with an article about our work to preserve this world class source of a critical mineral.
- Drs. Voice and Harrison used MGRRE’s most recently acquired cores to revise the outdated bedrock map of Wayne County and to assess its subsurface resources, risks, and structures. This publication was funded by a USGS STATEMAP grant. They presented their findings at GSA, MBGS, and MI-AIPG meetings.
- Dr. Harrison presented his team’s research on CO₂EOR to the annual meeting at Battelle Memorial Institute.

Industry, community and government collaborations

- Met with Michigan Potash company group of 25 international participants. Dr. Harrison led core examination and discussed geology and resource development.
- A company director met with Drs. Harrison and Barnes to discuss a proposed landfill leachate disposal well to eliminate potential groundwater contamination.
- Hosted 2-day PTTC Natural Gas Storage School with registrants from several states.
- Met with USGS geologists to discuss FEDMAP and water mapping opportunities.
- Held 2-day meeting with an energy company CEO to discuss secondary recovery from mature fields.
- MDEQ geologist and former USGS geologist began core examination work for the current USGS STATEMAP project to describe bedrock geology of Jackson County.
- Hosted Kalamazoo Gem and Mineral Society meeting.
- Inventoried 12 pallets of geological publications and maps donated by the MDEQ.

Collaboration with K-12 community and other institutions of higher learning

- Dr. Voice’s CoreKids program reached with 8,000 students at the Kingman Museum, MSU Science Museum, Mi CareerQuest Southwest, and gem and mineral meetings.
- MGRRE welcomed geology class visits from:
  - Michigan State University
  - Hope College and
  - Calvin College
- They examined core and heard about our graduate program.