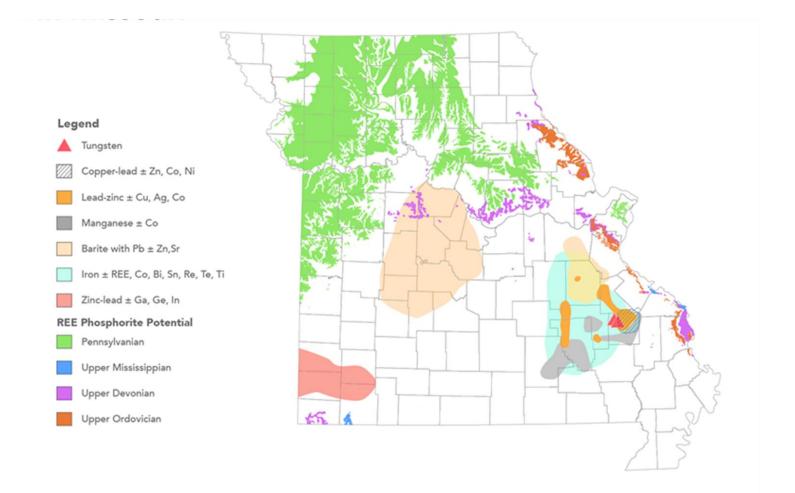


Critical Mineral Resources and Missouri

Midwest Environmental Compliance Conference 2022

Critical Mineral Resource Potential in Missouri



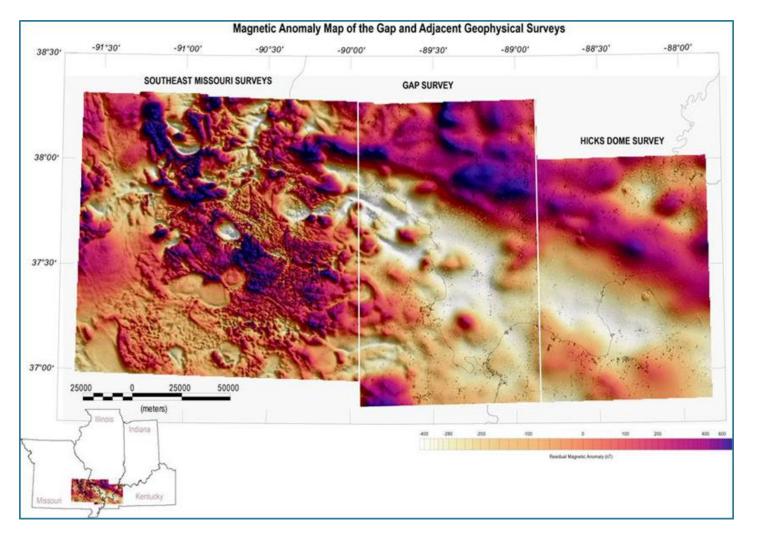


USGS Earth Mapping Resources Initiative (Earth MRI)

- Partnership between USGS/AASG
- Improve knowledge of the geologic framework in U.S. for critical mineral resources
- Decrease reliance on foreign sources of minerals
- "3-legged stool" approach of geophysics, geologic mapping, and geochemistry
- Phased mineral system focus area approach
- <u>Next up</u>: mine waste inventory and characterization

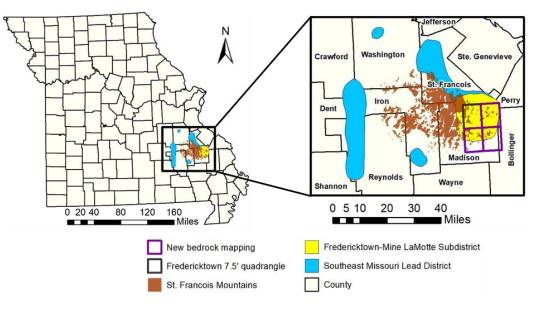


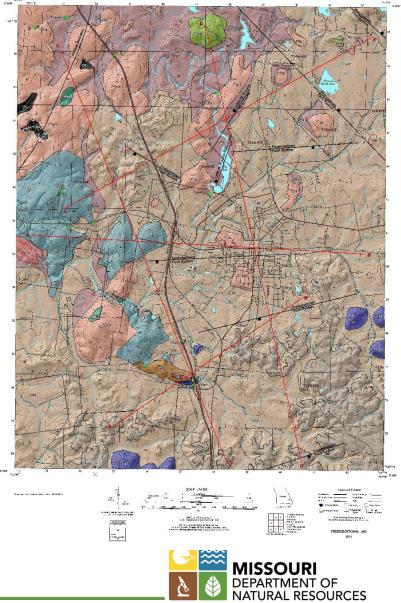
Earth MRI - Geophysics



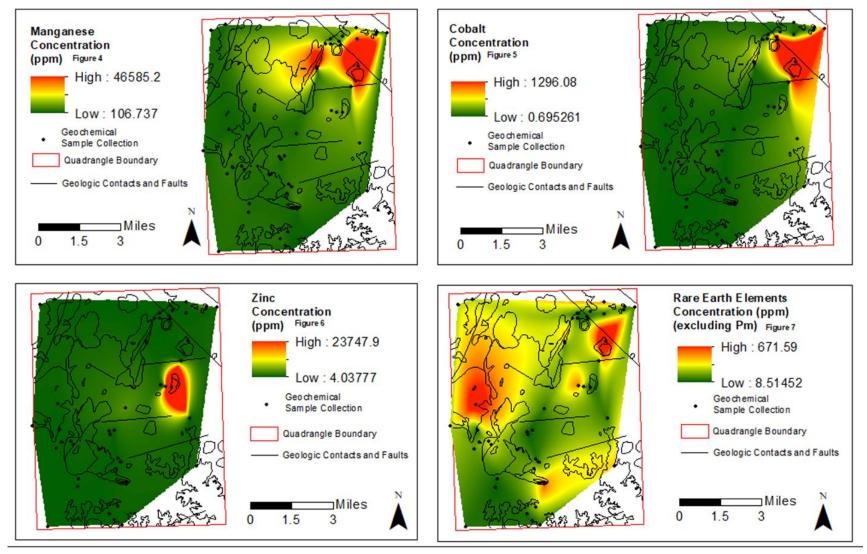


Earth MRI –Geologic Mapping





Earth MRI – Geochemistry





Dept. of Energy - Carbon Ore, Rare Earth, and Critical Mineral Initiative (CORE-CM)

CORE-CM INITIATIVE









Fossil Energy and **Carbon Management**





Illinois State Geological Survey **PRAIRIE RESEARCH INSTITUTE**



INDIANA GEOLOGICAL **& WATER SURVEY** INDIANA UNIVERSITY

KANSAS GEOLOGICAL SURVEY





Thank you!

Amber Steele <u>Amber.Steele@dnr.mo.gov</u>

