

GEOGRAPHIC INFORMATION SYSTEMS

Available to MS candidates.



Contact Information

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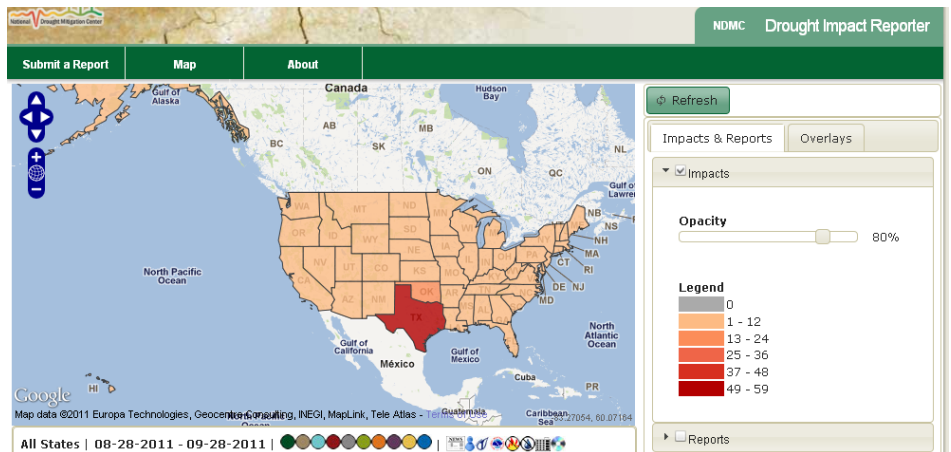
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Geographic Information Systems (GIS) integrate hardware, software, and data for capturing, managing, analyzing, and displaying virtually all forms of spatial data. GIS allows us to view, understand, explore, interpret, and visualize data in many ways that reveal relationships, patterns, and trends. GIS technology cuts across many disciplines and applications ranging from the medical profession to natural resource management.





Faculty Advisors

Dr. Trenton Franz | tfranz2@unl.edu

Hydrogeophysics

Dr. John Gamon | jgamon@unl.edu

Remote sensing at multiple scales, plant biodiversity, plant physiology, evapotranspiration, photosynthesis and respiration, mass and energy exchange

Dr. Ayse Kilic | akilic3@unl.edu

GIS in water resources, evapotranspiration, remote sensing, climate change, hydrology, crop modeling

Dr. Larkin Powell | lpowell3@unl.edu

Wildlife population ecology, avian ecology, conservation biology, management of private lands, wildlife habitat use, decision-making

Dr. Brian Wardlow | bwardlow2@unl.edu

Remote sensing, geographic information systems (GIS), vegetation-climate interactions, drought monitoring, biogeography, landscape ecology, remote sensing/GIS applications for agricultural and natural resource management/ monitoring, land use/land cover characterization

