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Nebraska Water Center

part of the Robert B. Daugherty
Water for Food Global Institute
at the University of Nebraska

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**Nebraska
Water Center**
Daugherty Water for Food Global Institute



Nebraska Water Center

The Nebraska Water Center was established in 1964 as one of 54 Water Resources Research Institutes nationwide with passage of the first Clean Water Act. It facilitates the University of Nebraska-Lincoln's land grant missions in research, extension and teaching in water science, law and policy to address water quantity and quality issues of priority to Nebraska. NWC helps water researchers by awarding small grants, conducting water-related education and outreach activities for stakeholders, and disseminating research results through media, colloquia, conferences, lectures, and tours. NWC provides state-of-the-art analytical technology to conduct water research and education to scientists and engineers, helping them make informed decisions and shape policies affecting water resource quantity and quality. In 2012, NWC became an important part of the Robert B. Daugherty Water for Food Global Institute at the University of Nebraska.

Focus

The NWC focuses on water issues of priority to Nebraska and is committed to teaching, research and extension education in water sciences, water and ecosystem management, water law and policy, and to serving Nebraska and all Nebraskans in these critical areas.



Research Areas

- Impacts of climate and weather on water resources.
- Understanding and protecting water quality.
- Groundwater-surface water interactions.
- Improving water efficiency in crop production.
- Drinking water and wastewater quality and management.
- Ecosystems, ecology and adaptive management.
- Economic impacts of water management decisions.
- Human dimensions of water use

Water Science Laboratory

The center's Water Sciences Laboratory, established in 1990 and one of the largest in the country, supports environmental and water related research by providing technical services and expertise in analytical and isotopic methods. Its expert faculty and staff use the latest in instrumentation for measuring chemicals in water, specializing in trace organics. It actively pursues development of new research methodologies and helps train researchers, students and faculty.

Goals

- Develop, facilitate, and implement research, teaching, and outreach programs in water sciences.
- Expand financial resource base for NU water programs from private, non-governmental and governmental sources.
- Establish and maintain collaborative linkages with state and federal agencies, industry, producers, and other water resource entities.

Outreach and Events

- Full-color quarterly newsletter
- Annual Nebraska water symposium
- Annual Nebraska water law conference
- Annual public water lecture series
- Brown bag lectures
- Annual summer water and natural resources tour
- Faculty retreats and collaborations