

Education & Outreach

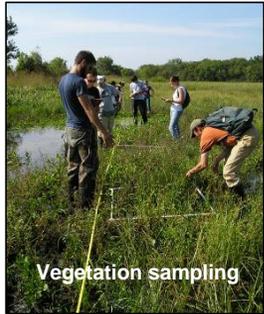


Nature Trails for K-12 and public education

Outdoor learning for students of all ages.



Elderhostel-type opportunities



Vegetation sampling



Limnology

Field experience for university students.

Integrating didactic and experiential learning.



Lecture at Armitage Center



Students "hands on" restoration planting

University of Kansas Field Station Kansas Biological Survey

Kansas Biological Survey
2101 Constant Ave.
Lawrence, KS 66047
Phone 785-864-1500
www.ksr.ku.edu



Our Mission

... to foster scholarly research, environmental education, and science-based stewardship of natural resources.



We invite all qualified individuals, and groups, whose interests are consistent with our mission to join us at the Station.

Our Activities

- **Research** on plants, animals, soils, water, and the atmosphere: global change biology and biogeochemistry, community ecology and biodiversity, wildlife biology, experimental aquatic ecology, pollution biology and groundwater contamination, restoration ecology and conservation biology
- **Educational opportunities** for university students, K-12 students, and the public
- **Stewardship** of resources through science-based land management and preservation of natural communities

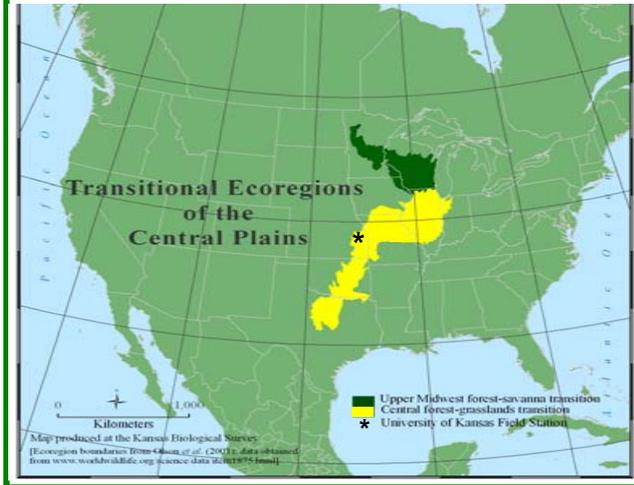
About Us

- Established in 1947
- 3,400 acres (1,375 ha); 10 tracts of land
- Headquarters 6 miles (10 km) from Lawrence
- Diverse native and managed habitats: oak-hickory forest, tallgrass prairie, shrubland, rangeland, grassland, land in agricultural management, steams, wetlands, ponds
- Baseline data and information base
- Research and teaching facilities

Facilities

- Laboratories: general and special purpose
- Armitage Education Center and classrooms
- Workshop, staging areas, equipment
- Weather station and monitoring sites
- Irrigated gardening areas
- Land for experimental manipulation
- Frank B. Cross Reservoir
- Experimental ponds and mesocosms
- Nature trails

Ecological setting The Field Station lies within the transition zone (ecotone) between the eastern deciduous forest and the tallgrass prairie.



Habitats



Diverse native and managed habitats are available for study.



Headwater stream



Native tallgrass prairie



Prescribed burn

Management by fire or grazing simulates natural evolutionary forces.



Cattle as surrogates for bison



Experimental seeding

Lands are available for experimental manipulation.

Establishing a field experiment



Mowing for habitat tailoring study

Research



Highly-replicated field experiments

Community ecology



Plant-soil microbe interactions



Grazing enclosure



Tree coring

Global change biology and ecosystem science



Soil carbon modeling



Monitoring atmospheric gases



Planting seeds of known genotypes

Population biology



Rare and invasive species

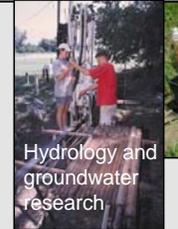


Monitoring marked plants



Remote sensing

Physical sciences



Hydrology and groundwater research



Soils research



Entomology

Animal ecology



Vertebrate biology



Wildlife biology



Microbial breakdown of xenobiotics

Aquatic ecology and environmental engineering



Sampling fish



Deploying a limno-corral

Facilities



Field Headquarters



Laboratories



Classrooms



Visitor cabins



Lath house and irrigated garden areas



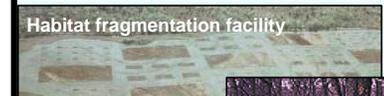
Workshop and equipment



Experimental ponds



Frank B. Cross Reservoir



Habitat fragmentation facility



Long-term prairie management study



Long-term forest research sites