



The mission of the Central Plains Center for BioAssessment (CPCB) is to provide scientific expertise on aquatic resources for the Central Plains Region of the United States.

GOALS

Facilitate the exchange of information among scientists, government officials, and the public on issues of water quality.

Collaborate on and contribute to scientific studies such as the development of nutrient and biological criteria.

Provide scientific expertise on such issues as water quality, aquatic ecology, taxonomy, data storage, data analysis, and experimental and field study design.

Central Plains Center for BioAssessment is a unit of the Kansas Biological Survey (KBS), a non-regulatory, non-degree granting research and service unit of the University of Kansas and the State of Kansas.

KBS conducts basic and applied research, provides statewide and regional monitoring and mapping services, and supports a broad-based educational outreach program.

CONTACT INFORMATION

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Taxonomic and Educational Resources of the Central Plains Center for BioAssessment



www.cpcb.ku.edu

Kansas Biological Survey
University of Kansas



FISH

Our fish taxonomists are skilled in identifying juvenile and adult fish from the Central Plains and surrounding regions.

We collaborated on the *Taxonomic Synonymy of Kansas Fish Collections 1855-1995* (Haslouer 2003). We also collaborate with the Ichthyology Division of the University of Kansas Natural History Museum and Biodiversity Research Center (KUNHM, www.nhm.ku.edu).

ALGAE

Our taxonomists identify diatoms and other algae to the family level. Sample preparation, clearing, and slide mounting procedures follow Biggs and Kilroy (2000) and Standard Methods (APHA 2005).

Contact our office for a current price list: 785-864-1551.

MACROINVERTEBRATES

We have extensive experience in identifying Central Plains aquatic macroinvertebrate taxa, including Chironomidae to genus and oligochaete worms. To sort samples we use the 500 specimen random count method required for USEPA projects, and can modify this to fit your needs. Download laboratory protocols at <http://www.cpcb.ku.edu/datalibrary/assets/library/protocols/BenthicLabSOP2009.pdf>.

Our taxonomists have received North American Benthological Society (NABS) certification and have exceeded USEPA standards for taxonomic accuracy. We have research access to the US-wide immature and adult specimen collection curated by KUNHM.

CPCB is also a NABS test center for family and genus level certification. See the NABS website www.nabstcp.com for more information about this program. Contact us if you would like to schedule a test.

EDUCATION

Our vast collection of fish and macroinvertebrate specimens is available for educational purposes. Taxonomists are available for short classroom programs in which students will learn about the aquatic life of the Central Plains. Programs and specimen kits can be tailored to your needs.

FACILITIES

Our three taxonomic laboratories, equipped with fume hoods, comprise over 1300 sq. ft. Our conference rooms can accommodate groups of any size.

Resources include numerous 128x dissecting microscopes with fiber optic lights, compound microscopes (400x, 600x, 1000x, inverted), Caton sorting trays, zooplankton splitters, and drying ovens and trays for slide mounting. Reference and teaching collections of juvenile, immature, and adult specimens from the mid-continental US are housed at our facility.