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**Fluvial Erosion Hazard Research and
Education in Indiana**

The Center for Earth and Environmental Science (CEES) has been an active member of the Indiana Silver Jackets since 2007. The Silver Jackets are a multiagency hazard mitigation team sponsored by the U.S. Army Corps of Engineers (USACE) with members from federal, state, and local government. CEES was invited to participate when the Silver Jackets learned of CEES's interest and research in river and stream processes in Indiana. Following the devastating floods across Indiana in 2008, the Silver Jackets were asked what more Indiana could do to prepare for more frequent and damaging floods. The Silver Jackets responded with a proposal to investigate fluvial (or river) erosion hazards because while over half of the flood damage was associated with river erosion, Indiana, like most states in the nation did not have a program to address those hazards. CEES, along with the U.S. Geological Survey (USGS), and the POLIS Center at IUPUI were selected by the Silver Jackets as the team to lead that effort. For over 11 years, the team has studied how Indiana rivers move, not only now but in the past, to better understand how erosion hazard may change as the climate continues to change. CEES faculty and staff have participated in over a dozen regional workshops and seminars and done more than two hundred presentations around Indiana, neighboring states, and at national conferences. The team has also expanded to include Burke Engineering to deliver a more balanced agency, academic, and private consultant perspective on fluvial erosion hazards. The team has published several documents on how Indiana's river's function and how the rivers and streams can be managed to maximize stream health and public safety. We look forward to telling you more about our work!