

Metro East Sediment Delivery and Stream-Stability Study

- **BACKGROUND:** Judys Branch, a small basin (8.33 mi²) near Glen Carbon, Illinois, has been selected as a pilot site to analyze sediment delivery and stability of streams draining the bluff-line hills of the American Bottoms in the Metro East area of Illinois.
- **DATA COLLECTION AND ANALYSIS:**
 - Sediment and Streamflow
 - Sediment delivery from the bluffs
 - Land-use effects on sediment delivery and streamflow
 - Bank Rods
 - Bank erosion
 - Bank stability
 - Riverbed Samples
 - Sediment size
 - Sediment transport
 - Riverbank Samples and Strength Tests
 - Bank stability
 - Soil Corings
 - Soil profiles
- **CONTACTS:**
 - Please contact Bob Holmes, USGS Illinois District Chief (217-344-0037 ext. 3005 or bholmes@usgs.gov), or Tim Straub (ext. 3024 or tdstraub@usgs.gov) for additional information on USGS activities.

