



**NOTE:** Flood frequency was developed using Missouri rural regression equations (Alexander and Wilson, 1994). Basin characteristics used in regression equations were defined at State Highway N.

Estimate of flood inundation was produced by a simulated water-surface profile that incorporated a proposed channel realignment downstream from State Highway N. No observed flood data were available for proposed realignment to provide profile calibration. Limited information was available concerning floodplain elevations associated with realignment; therefore, simulated water-surface profile based on assumed floodplain elevations is based on best available information.

U.S. Geological Survey streamflow gage information available at <http://mo.water.usgs.gov>

**STREAMFLOW GAGE AT STATE HIGHWAY N**

STATION NUMBER	07061270
GAGE DATUM	825.26 FEET
GAGE READING	11.7 FEET

Base from Sorites, Inc., proprietary to MACTEC Engineering and Consulting, Inc. One-half foot grid resolution, January 2006. Universal Transverse Mercator projection, Zone 15. National coordinate information referenced to the North American Datum of 1983 (NAD 83).

**EXPLANATION**

Flood inundation extent

**Estimated Flood Inundation Extent Representing the 25-Year Flood Frequency at 15,000 Cubic Feet Per Second along the East Fork Black River**  
By  
Paul H. Rydlund, Jr.  
2006