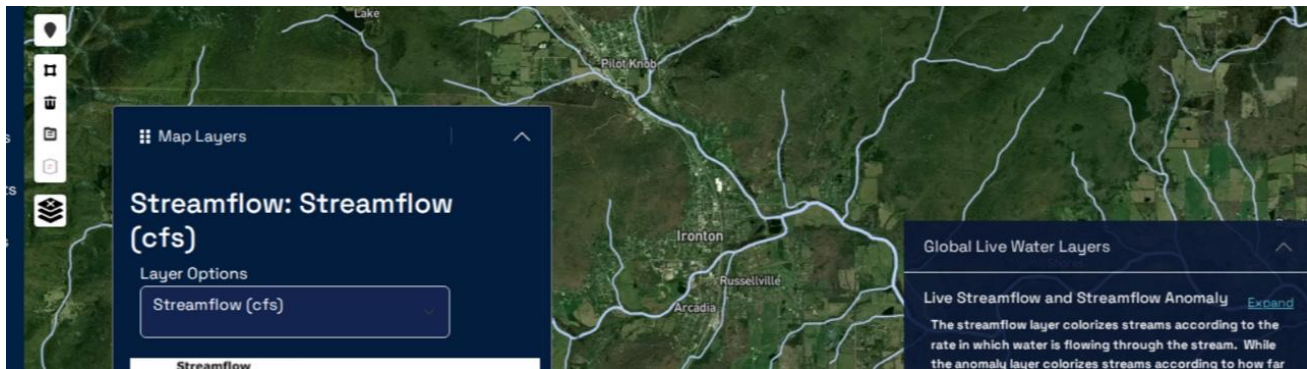




TrueQi™ portal — streamflow and streamflow anomaly across Iron County, Missouri.

IRON COUNTY, MISSOURI · BLACK RIVER WATERSHED

Missouri Flood Event

Flood Analysis · Iron & Reynolds Counties, Missouri

EXECUTIVE SUMMARY

From July 6–20, 2026, seven public-data layers were examined across Iron and Reynolds Counties, Missouri, including the Black River watershed and West Fork Black River drainage basin. The finalized Full Report classifies the event as a 1,000-year flood event (0.1% annual exceedance probability), while preserving material gaps in named-gauge readings, the Iron County Flood Hazard Outlook probability overlay, and actual inundation extent.

TrueQi™, supported by Argus™, found the strongest convergence in county-wide above-normal flow across every visible Iron County stream reach, 2.0–2.5-inch one-hour Flash Flood Guidance during the active event, mapped 100- and 500-year flood-hazard structure, no visible comparable event cluster in the 1950–2021 viewport, and a national Flood Hazard Outlook discussion dated July 20.

KEY FINDINGS

NETWORK STATUS

County-wide above-normal flow

Every visible Iron County stream reach carried the same directional signal

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FLASH-FLOOD RESISTANCE

2.0–2.5 inches · One-hour guidance

Model-derived threshold captured during active flooding; not a guarantee flooding will occur

STRUCTURAL CONTEXT

Mapped 100- and 500-year hazard zones

Actual inundation was not mapped; the finding is recurrence-based context

ASSESSMENT STATUS

1,000-year flood event · 0.1% annual exceedance probability

Confidence is highest in directional convergence; exact magnitude and extent require confirmation

TRUSTED PUBLIC DATA

NOAA

USGS

NWS

FEMA

TrueQi™

Multi-source data synthesis

Argus™

Environmental pattern analysis

Operational Understanding

From raw data to actionable insight

Better Environmental Decisions

WHY THIS MATTERS

Watershed-Scale Water Intelligence

Decision relevance came from convergence across connected stream reaches, current trigger guidance, mapped hazard structure, historical context, and national coordination - not a single gauge. Confidence is highest in the directional signal. Named-gauge stage and discharge, Flood Hazard Outlook polygons, and actual inundation were unavailable, so magnitude, timing, and extent require post-event confirmation.

OPERATIONAL ASSESSMENT

Event Assessment · July 6–20, 2026

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OPERATIONAL UNDERSTANDING

TrueQi™ integrated seven evidence layers; Argus™ supported comparison. Directional convergence is strong; magnitude, inundation extent, and missing gauges require confirmation.

Every visible Iron County reach showed above-normal flow. One-hour Flash Flood Guidance was 2.0–2.5 inches during active flooding. FEMA mapped 100- and 500-year zones. The historical viewport showed no visible comparable cluster, and a July 20 national Flood Hazard Outlook discussion remained active. Missing gauge markers may reflect disruption or zoom/rendering; the cause was not determined.

FULL REPORT

For a copy of the full report of this event, use the QR code or link to our Intelligence Series Page where you will find all of our event summaries and reports.

LINK: <https://trueelements.com/intelligence-series>



ABOUT TRUE ELEMENTS

Water Intelligence Platform

True Elements' TrueQi™ structures environmental-intelligence synthesis. Argus™ supports evidence organization, comparison, and analytical discipline. Together they preserve observations, test convergence, surface operational questions, and make limitations explicit.

CONTACT US

Connect with True Elements about Water Intelligence.

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