

U.S. Geological Survey Monitoring Milestones— Chagrin River at Willoughby, OH (04209000)



The Chagrin River at Willoughby, OH (04209000), streamgage is the 1,000th U.S. Geological Survey (USGS) streamgage to reach Centennial status. Centennial Streamgages are USGS streamgages that have been in operation for 100 years or more. Collecting water data since 1925, it celebrated its 100th birthday on August 1, 2025.

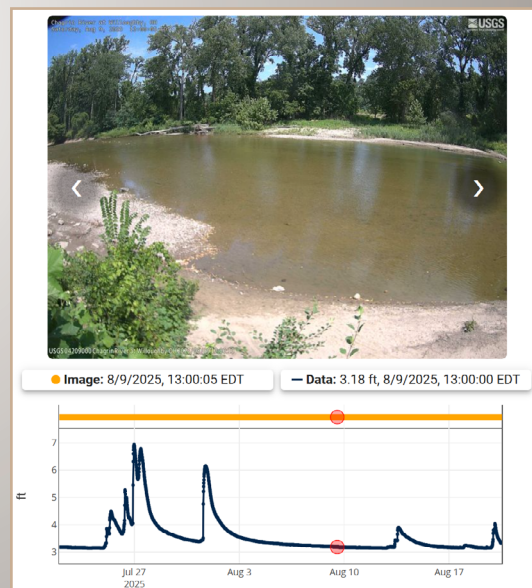


Chagrin River at Willoughby, Ohio (USGS station 09420900) streamgage; 1969 photograph by USGS and June 20, 2024, photograph by Tom Harris, USGS.

Today, water level and discharge data are collected at the streamgage. Data are used for river forecasts by the National Weather Service. A camera provides [real-time imagery](#) of the river (right).

The Chagrin River at Willoughby is one of the most popular streamgages in the nation. The Chagrin River is an exceptional steelhead fishing destination, and the streamgage frequently ranks in the top 10 in webpage traffic to USGS streamgage sites due to recreationists seeking information about river conditions. A dam was removed in the vicinity of the gage in 2023 to improve river health and fish habitat.

The streamgage is funded by Lake County, the Ohio Water Development Authority, and USGS (Cooperative Matching Funds).



Webcam imagery and hydrograph for Chagrin River at Willoughby, Ohio (USGS station 04209000) from USGS Hydrologic Imagery Visualization and Information System website. Accessed August 20, 2025, at https://apps.usgs.gov/hivis/camera/OH_Chagrin_River_at_Willoughby.



USGS Monitoring Milestones—
Recognizing monitoring locations for
their valuable longevity at 100, 75, 50
and 25 years.

For more information about the U.S. Geological Survey Water Monitoring Networks:
Visit <https://www.usgs.gov/mission-areas/water-resources/science/centennial-streamgages>
Contact the National Streamgage Networks Coordinator at waternetworks@usgs.gov