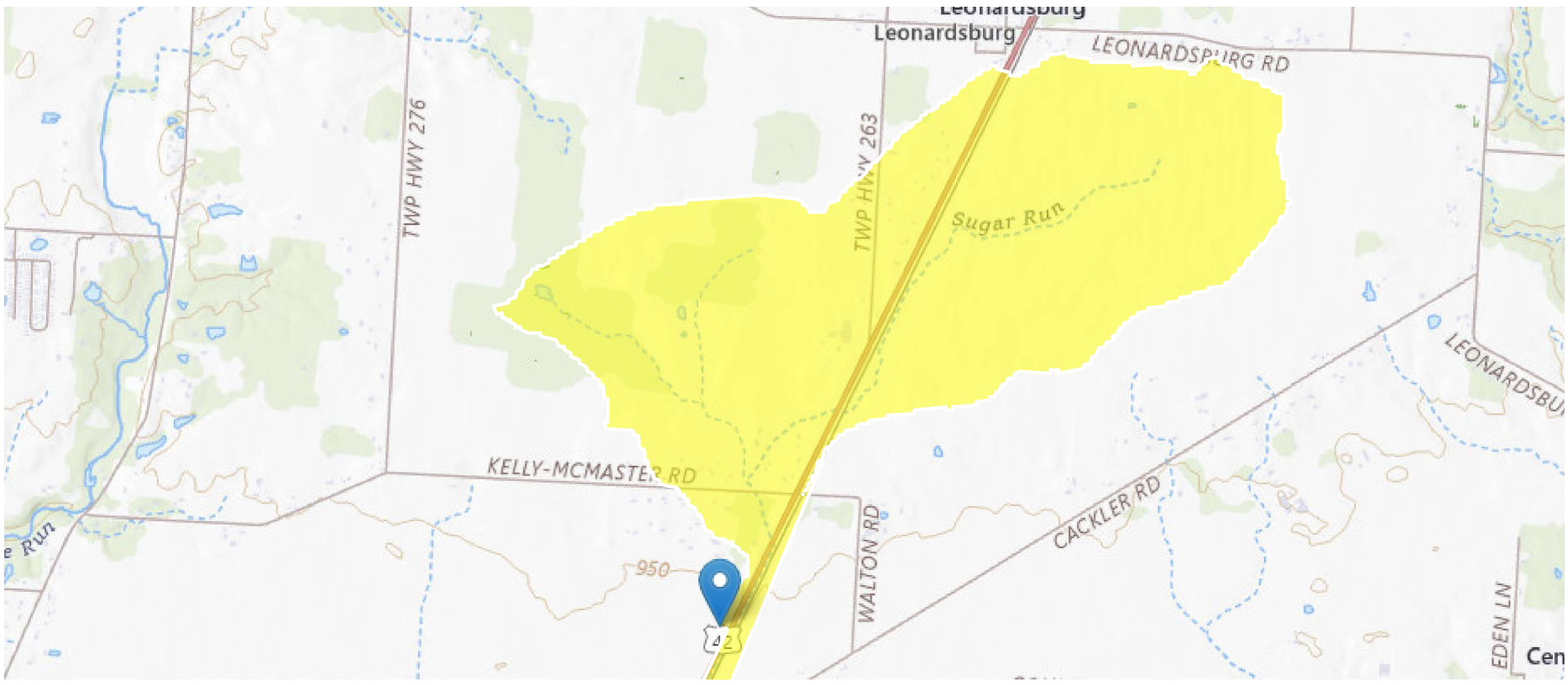
StreamStats Report

Region ID: OH
Clicked Point (Latitude, Longitude): 40.33393, -83.00495
Time: 2026-08-10 13:25:18 -0400



StreamStats Update

Starting with version 4.30.0, the StreamStats application uses services that were redeveloped with open-source software components. Users may observe minor variations in computed results when compared to those from previous versions. These differences are expected and do not reflect errors in the underlying data or analytical methods. Users are advised to consider these potential variations when interpreting or comparing results generated across different versions of StreamStats. Please email streamstats@usgs.gov with any questions or concerns. A full list of changes can be found at **https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release (https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release)** .

Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CSL1085LFP	Change in elevation divided by length between points 10 and 85 percent of distance along the longest flow path to the basin divide, LFP from 2D grid	5.28	feet per mi
DRNAREA	Area that drains to a point on a stream	1.46	square miles
FOREST	Percentage of area covered by forest	10.92	percent
LAT_CENT	Latitude of Basin Centroid	40.3473	decimal degrees
LC92STOR	Percentage of water bodies and wetlands determined from the NLCD	0.024	percent
OHREGA	Ohio Region A Indicator	1	dimensionless
OHREGC	Ohio Region C Indicator	0	dimensionless
PRECIPCENT	Mean Annual Precip at Basin Centroid	37	inches
STREAM_VARG	Streamflow variability index as defined in WRIR 02-4068, computed from regional grid	0.85	dimensionless

General Disclaimers

Parameter values have been edited. Computed flows may not apply.

This watershed has been edited. Computed flows and basin characteristics may not apply. For more information, please visit

https://www.usgs.gov/streamstats/editing-a-basin (https://www.usgs.gov/streamstats/editing-a-basin) .

Peak-Flow Statistics

Peak-Flow Statistics Parameters [Peak Flow Full Model Reg A SIR2019 5018]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CSL1085LFP	Stream Slope 10 and 85 Longest Flow Path	5.28	feet per mi	1.53	516
DRNAREA	Drainage Area	1.46	square miles	0.04	5989
LC92STOR	Percent Storage from NLCD1992	0.024	percent	0	25.35
OHREGA	Ohio Region A Indicator 1 if in A else 0	1	dimensionless	0	1
OHREGC	Ohio Region C Indicator 1 if in C else 0	0	dimensionless	0	1

Peak-Flow Statistics Flow Report [Peak Flow Full Model Reg A SIR2019 5018]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	PIL	PIU	ASEp
50-percent AEP flood	109	ft^3/s	56.9	209	40.1
20-percent AEP flood	182	ft^3/s	99.3	334	37.2
10-percent AEP flood	239	ft^3/s	129	441	37.6
4-percent AEP flood	321	ft^3/s	172	598	38.1
2-percent AEP flood	390	ft^3/s	207	735	37.8
1-percent AEP flood	463	ft^3/s	243	883	39.6
0.2-percent AEP flood	658	ft^3/s	340	1270	40.3

Peak-Flow Statistics Citations

Koltun, G.F.,2019, Flood-frequency estimates for Ohio streamgages based on data through water year 2015 and techniques for estimating flood-frequency characteristics of rural, unregulated Ohio streams: U.S. Geological Survey Scientific Investigations Report 2019–5018, 25 p. (https://dx.doi.org/10.3133/sir20195018)

Monthly Flow Statistics

Low_Flow_LatGT_41.2_wri02_4068 equations are not appropriate for this location and have been removed from the final report. This region does not meet the following criteria: LAT_CENT>41.2.

Monthly Flow Statistics Parameters [Low Flow LatLE 41.2 wri02 4068]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.46	square miles	0.12	7422
FOREST	Percent Forest	10.92	percent	0	99.1
LAT_CENT	Latitude of Basin Centroid	40.3473	decimal degrees	38.68	41.2
LC92STOR	Percent Storage from NLCD1992	0.024	percent	0	19
PRECIPCENT	Mean Annual Precip at Basin Centroid	37	inches	34	43.2
STREAM_VARG	Streamflow Variability Index from Grid	0.85	dimensionless	0.25	1.13

Monthly Flow Statistics Flow Report [Low Flow LatLE 41.2 wri02 4068]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE	ASEp
January Mean Flow	1.88	ft^3/s	16.6	16.6
February Mean Flow	2.48	ft^3/s	11.9	11.9
March Mean Flow	2.74	ft^3/s	14	14

Statistic	Value	Unit	SE	ASEp
April Mean Flow	2.57	ft^3/s	11.2	11.2
May Mean Flow	1.62	ft^3/s	19.5	19.5
June Mean Flow	0.897	ft^3/s	27	27
July Mean Flow	0.52	ft^3/s	28.2	28.2
August Mean Flow	0.294	ft^3/s	36.8	36.8
September Mean Flow	0.171	ft^3/s	43.6	43.6
October Mean Flow	0.204	ft^3/s	50.8	50.8
November Mean Flow	0.66	ft^3/s	37.5	37.5
December Mean Flow	1.38	ft^3/s	21.8	21.8

Monthly Flow Statistics Citations

Koltun, G. F., and Whitehead, M. T.,2002, Techniques for Estimating Selected Streamflow Characteristics of Rural, Unregulated Streams in Ohio: U. S. Geological Survey Water-Resources Investigations Report 02-4068, 50 p (https://pubs.er.usgs.gov/publication/wri024068)

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Application Version: 4.36.1
SSHydro Services Version: 1.4.0
SSDelineate Services Version: 1.2.0
NSS Services Version: 2.5.0
GageStats Services Version: 1.2.1
Pourpoint Services Version: 1.2.2
Batch Processor Version: 1.6.2