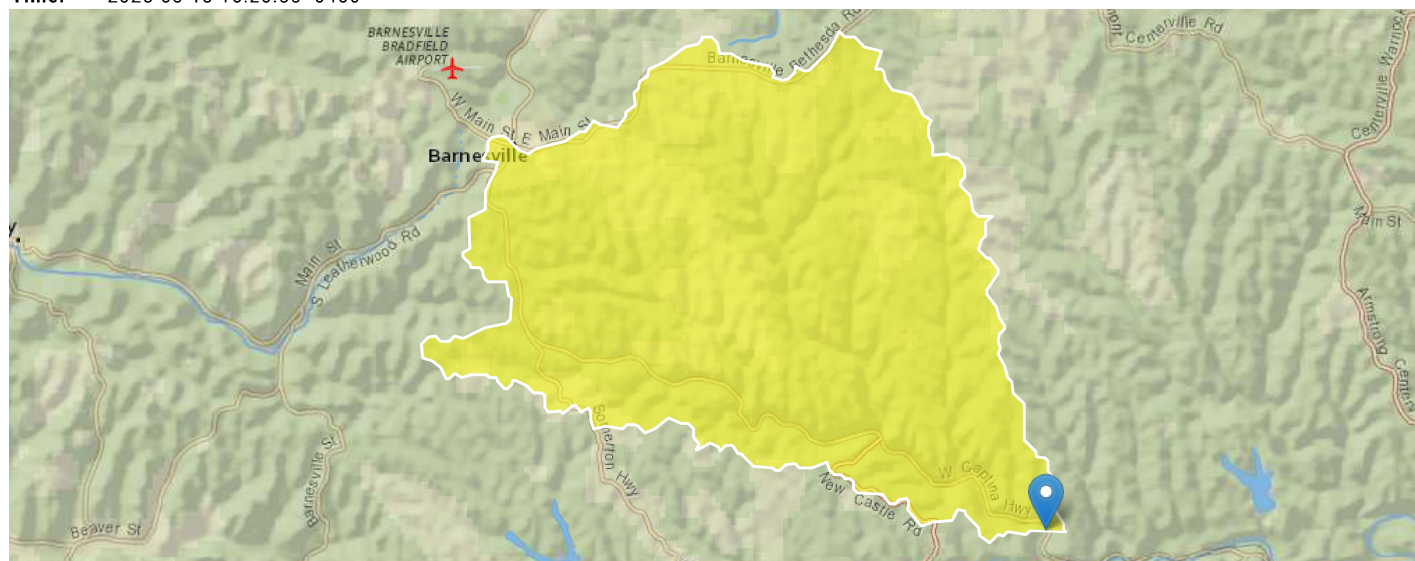# StreamStats Report

Region ID: OH
Workspace ID: OH20250313202028639000
Clicked Point (Latitude, Longitude):   39.91507, -81.04526
Time: 2025-03-13 16:20:55 -0400

➕ 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	25.1	feet per mi
DRNAREA	Area that drains to a point on a stream	32.5	square miles
FOREST	Percentage of area covered by forest	46.6	percent
LAT_CENT	Latitude of Basin Centroid	39.9615	decimal degrees
LC92STOR	Percentage of water bodies and wetlands determined from the NLCD	0.73	percent
OH_SVI2024	Mapped Ohio Streamflow Variability Index as defined in SIR 2024-5075	0.6	Log base 10
OHREGA	Ohio Region A Indicator	1	dimensionless
OHREGC	Ohio Region C Indicator	0	dimensionless
PRECIPCENT	Mean Annual Precip at Basin Centroid	41.1	inches
STREAM_VARG	Streamflow variability index as defined in WRIR 02-4068, computed from regional grid	0.64	dimensionless

❯ Monthly Flow Statistics

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

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	32.5	square miles	0.12	7422
FOREST	Percent Forest	46.6	percent	0	99.1
LAT_CENT	Latitude of Basin Centroid	39.9615	decimal degrees	38.68	41.2

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
LC92STOR	Percent Storage from NLCD1992	0.73	percent	0	19
PRECIPCENT	Mean Annual Precip at Basin Centroid	41.1	inches	34	43.2
STREAM_VARG	Streamflow Variability Index from Grid	0.64	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	54.9	ft^3/s	16.6	16.6
February Mean Flow	65.1	ft^3/s	11.9	11.9
March Mean Flow	75	ft^3/s	14	14
April Mean Flow	66.3	ft^3/s	11.2	11.2
May Mean Flow	42.1	ft^3/s	19.5	19.5
June Mean Flow	24.1	ft^3/s	27	27
July Mean Flow	14.1	ft^3/s	28.2	28.2
August Mean Flow	11.9	ft^3/s	36.8	36.8
September Mean Flow	8.44	ft^3/s	43.6	43.6
October Mean Flow	6.49	ft^3/s	50.8	50.8
November Mean Flow	18.9	ft^3/s	37.5	37.5
December Mean Flow	39.3	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)

❯ 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	25.1	feet per mi	1.53	516
DRNAREA	Drainage Area	32.5	square miles	0.04	5989
LC92STOR	Percent Storage from NLCD1992	0.73	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	1490	ft^3/s	788	2820	40.1
20-percent AEP flood	2460	ft^3/s	1360	4450	37.2
10-percent AEP flood	3220	ft^3/s	1770	5860	37.6
4-percent AEP flood	4300	ft^3/s	2350	7870	38.1
2-percent AEP flood	5170	ft^3/s	2790	9570	37.8
1-percent AEP flood	6100	ft^3/s	3260	11400	39.6
0.2-percent AEP flood	8480	ft^3/s	4490	16000	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)

❯ General Flow Statistics

General Flow Statistics Parameters   [Statewide harmonic mean flow with SVI less than or equal to 0.91 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	32.5	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.6	Log base 10 cubic feet per second	0.41	1.23

General Flow Statistics Flow Report   [Statewide harmonic mean flow with SVI less than or equal to 0.91 from SIR 2024-5075]

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	RMSE	PseudoR^2
Harmonic Mean Streamflow adjusted for proportion of zero flow days	4.8	ft^3/s	8.21	0.84

General Flow Statistics Citations

Branden L. VonIns and G.F. Koltun 2024, Low-flow statistics computed for streamflow gages and methods for estimating selected low-flow statistics for ungaged stream locations in Ohio, water years 1975–2020: U.S. Geological Survey Scientific Investigations Report 2024–5075 (https://doi.org/10.3133/sir20245075)

❯ NHD Features of Delineated Basin

NHD Streams Intersecting Basin Delineation Boundary

This functionality attempts to find the stream name at the delineation point. The name of the nearest intersecting National Hydrography Dataset (NHD) stream is selected by default to appear in the report above. NHD streams do not correspond to the StreamStats stream grid and may not be accurate. If you would like a different stream to appear in the above section, please make a selection below.

Watershed Boundary Dataset (WBD) HUC 8 Intersecting Basin Delineation Boundary

This functionality attempts to find the intersecting HUC 8 of the delineated watershed. HUC boundaries do not correspond to the StreamStats data and may not be accurate.

No WBD HUC8s intersect the delineated basin.

NHD Hydrologic Features Citations

U.S. Geological Survey, 2022, USGS TNM - National Hydrography Dataset, accessed July 21, 2022 at URL https://hydro.nationalmap.gov/arcgis/rest/services/nhd/MapServer/6. (https://hydro.nationalmap.gov/arcgis/rest/services/nhd/MapServer/6) U.S. Geological Survey, 2022, USGS TNM - National Hydrography Dataset, accessed July 21, 2022 at URL https://hydro.nationalmap.gov/arcgis/rest/services/wbd/MapServer/4. (https://hydro.nationalmap.gov/arcgis/rest/services/wbd/MapServer/4)

Application Version: 4.28.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1