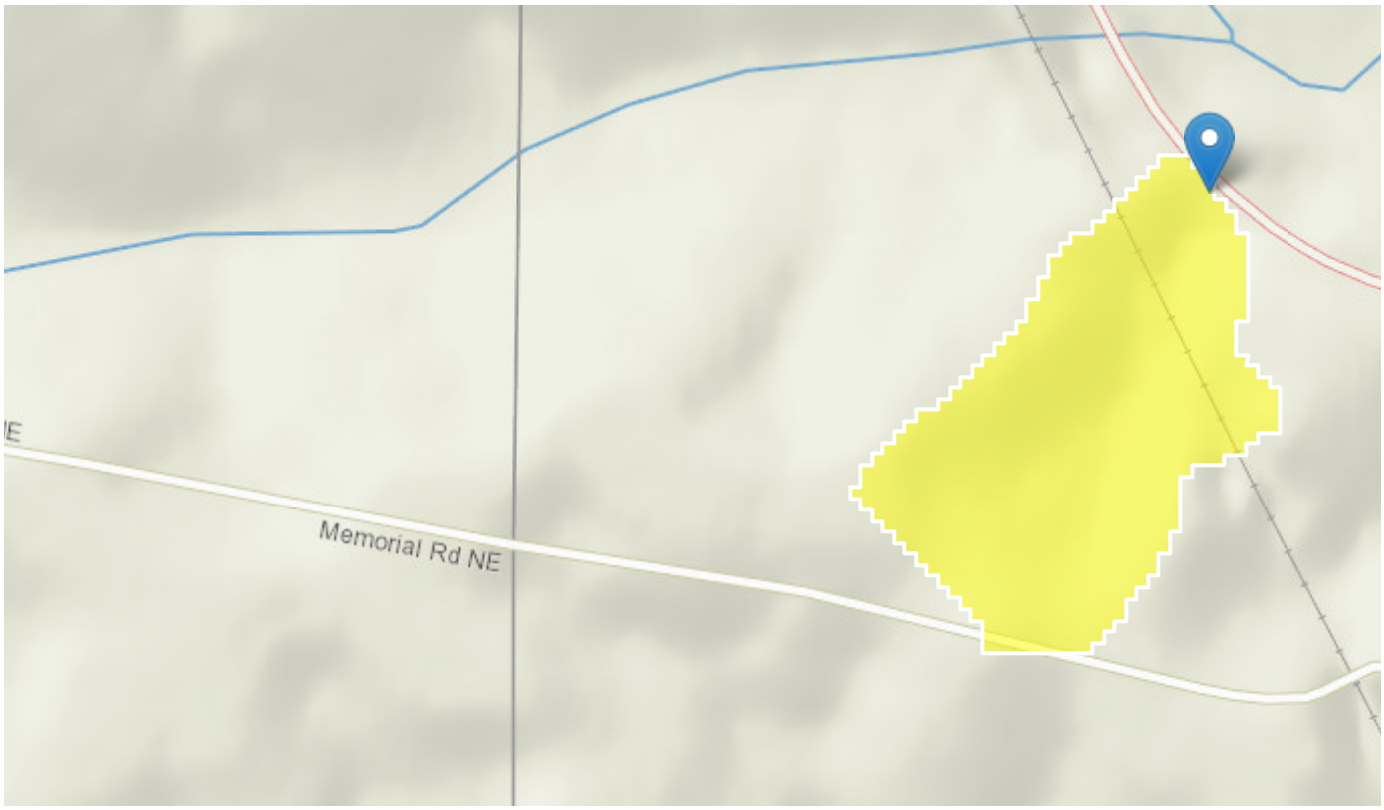
StreamStats Report

Region ID: OH
Workspace ID: OH20230906134818568000
Clicked Point (Latitude, Longitude): 40.71649, -80.90966
Time: 2023-09-06 09:48:42 -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	417	feet per mi
DRNAREA	Area that drains to a point on a stream	0.0361	square miles
FOREST	Percentage of area covered by forest	25.1	percent
LAT_CENT	Latitude of Basin Centroid	40.7146	decimal degrees

Parameter Code	Parameter Description	Value	Unit
LC92STOR	Percentage of water bodies and wetlands determined from the NLCD	0	percent
LONG_CENT	Longitude Basin Centroid	80.911	decimal degrees
OHREGA	Ohio Region A Indicator	1	dimensionless
OHREGC	Ohio Region C Indicator	0	dimensionless
PRECIPCENT	Mean Annual Precip at Basin Centroid	37.2	inches
STREAM_VARG	Streamflow variability index as defined in WRIR 02-4068, computed from regional grid	0.52	dimensionless

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
DRNAREA	Drainage Area	0.0361	square miles	0.04	5989
OHREGC	Ohio Region C Indicator 1 if in C else 0	0	dimensionless	0	1
OHREGA	Ohio Region A Indicator 1 if in A else 0	1	dimensionless	0	1
CSL1085LFP	Stream Slope 10 and 85 Longest Flow Path	417	feet per mi	1.53	516
LC92STOR	Percent Storage from NLCD1992	0	percent	0	25.35

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

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

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

Statistic	Value	Unit
50-percent AEP flood	12.4	ft^3/s

Statistic	Value	Unit
20-percent AEP flood	25.9	ft^3/s
10-percent AEP flood	38.1	ft^3/s
4-percent AEP flood	57.1	ft^3/s
2-percent AEP flood	73.7	ft^3/s
1-percent AEP flood	92.3	ft^3/s
0.2-percent AEP flood	144	ft^3/s

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)

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region B 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.52	dimensionless	0.24	1.12

Low-Flow Statistics Disclaimers [Low Flow Region B 2012 5138]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [Low Flow Region B 2012 5138]

Statistic	Value	Unit
1 Day 10 Year Low Flow	0.000745	ft^3/s
7 Day 10 Year Low Flow	0.000919	ft^3/s
30 Day 10 Year Low Flow	0.00137	ft^3/s
90 Day 10 Year Low Flow	0.00246	ft^3/s

Low-Flow Statistics Citations

Koltun, G.F., and Kula, S.P.,2013, Methods for estimating selected low-flow statistics and development of annual flow-duration statistics for Ohio: U.S. Geological Survey Scientific Investigations Report 2012–5138, 195 p. (http://pubs.usgs.gov/sir/2012/5138/)

Flow-Duration Statistics

Flow-Duration Statistics Parameters [Low Flow Region B 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.52	dimensionless	0.24	1.12

Flow-Duration Statistics Disclaimers [Low Flow Region B 2012 5138]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Flow-Duration Statistics Flow Report [Low Flow Region B 2012 5138]

Statistic	Value	Unit
80 Percent Duration	0.0055	ft^3/s

Flow-Duration Statistics Citations

Koltun, G.F., and Kula, S.P.,2013, Methods for estimating selected low-flow statistics and development of annual flow-duration statistics for Ohio: U.S. Geological Survey Scientific Investigations Report 2012–5138, 195 p. (http://pubs.usgs.gov/sir/2012/5138/)

Annual Flow Statistics

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

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	0.12	7422
LAT_CENT	Latitude of Basin Centroid	40.7146	decimal degrees	38.68	41.2
PRECIPCENT	Mean Annual Precip at Basin Centroid	37.2	inches	34	43.2

Annual Flow Statistics Disclaimers [Low Flow LatLE 41.2 wri02 4068]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

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

Statistic	Value	Unit
Mean Annual Flow	0.0352	ft^3/s

Annual 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)

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	0.0361	square miles	0.12	7422
LC92STOR	Percent Storage from NLCD1992	0	percent	0	19
PRECIPCENT	Mean Annual Precip at Basin Centroid	37.2	inches	34	43.2
FOREST	Percent Forest	25.1	percent	0	99.1

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
LAT_CENT	Latitude of Basin Centroid	40.7146	decimal degrees	38.68	41.2
STREAM_VARG	Streamflow Variability Index from Grid	0.52	dimensionless	0.25	1.13

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

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

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

Statistic	Value	Unit
January Mean Flow	0.0451	ft^3/s
February Mean Flow	0.0688	ft^3/s
March Mean Flow	0.071	ft^3/s
April Mean Flow	0.0712	ft^3/s
May Mean Flow	0.0395	ft^3/s
June Mean Flow	0.0256	ft^3/s
July Mean Flow	0.0163	ft^3/s
August Mean Flow	0.0109	ft^3/s
September Mean Flow	0.00653	ft^3/s
October Mean Flow	0.00653	ft^3/s
November Mean Flow	0.0142	ft^3/s
December Mean Flow	0.0347	ft^3/s

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)

General Flow Statistics

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

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	0.12	7422
LC92STOR	Percent Storage from NLCD1992	0	percent	0	19
STREAM_VARG	Streamflow Variability Index from Grid	0.52	dimensionless	0.25	1.13
LAT_CENT	Latitude of Basin Centroid	40.7146	decimal degrees	38.68	41.2

General Flow Statistics Disclaimers [Low Flow LatLE 41.2 wri02 4068]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

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

Statistic	Value	Unit
Harmonic Mean Streamflow	0.00323	ft^3/s

General 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)

Flow Percentile Statistics

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

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	0.12	7422
LC92STOR	Percent Storage from NLCD1992	0	percent	0	19

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
STREAM_VARG	Streamflow Variability Index from Grid	0.52	dimensionless	0.25	1.13
LAT_CENT	Latitude of Basin Centroid	40.7146	decimal degrees	38.68	41.2
LONG_CENT	Longitude of Basin Centroid	80.911	decimal degrees	80.53	84.6

Flow Percentile Statistics Disclaimers [Low Flow LatLE 41.2 wri02 4068]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

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

Statistic	Value	Unit
25th Percentile Flow	0.00944	ft^3/s
50th Percentile Flow Median	0.0233	ft^3/s
75th Percentile Flow	0.0415	ft^3/s

Flow Percentile 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)

Bankfull Statistics

Bankfull Statistics Parameters [Appalachian Highlands D Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	0.07722	940.1535

Bankfull Statistics Parameters [Appalachian Plateaus P Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	0.081081	536.995602

Bankfull Statistics Parameters [USA Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	0.07722	59927.7393

Bankfull Statistics Disclaimers [Appalachian Highlands D Bieger 2015]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Bankfull Statistics Flow Report [Appalachian Highlands D Bieger 2015]

Statistic	Value	Unit
Bieger_D_channel_width	3.83	ft
Bieger_D_channel_depth	0.432	ft
Bieger_D_channel_cross_sectional_area	1.66	ft^2

Bankfull Statistics Disclaimers [Appalachian Plateaus P Bieger 2015]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Bankfull Statistics Flow Report [Appalachian Plateaus P Bieger 2015]

Statistic	Value	Unit
Bieger_P_channel_width	3.77	ft
Bieger_P_channel_depth	0.429	ft
Bieger_P_channel_cross_sectional_area	1.6	ft^2

Bankfull Statistics Disclaimers [USA Bieger 2015]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Bankfull Statistics Flow Report [USA Bieger 2015]

Statistic	Value	Unit
Bieger_USA_channel_width	3.85	ft
Bieger_USA_channel_depth	0.594	ft

Statistic	Value	Unit
Bieger_USA_channel_cross_sectional_area	2.84	ft^2

Bankfull Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
Bieger_D_channel_width	3.83	ft
Bieger_D_channel_depth	0.432	ft
Bieger_D_channel_cross_sectional_area	1.66	ft^2
Bieger_P_channel_width	3.77	ft
Bieger_P_channel_depth	0.429	ft
Bieger_P_channel_cross_sectional_area	1.6	ft^2
Bieger_USA_channel_width	3.85	ft
Bieger_USA_channel_depth	0.594	ft
Bieger_USA_channel_cross_sectional_area	2.84	ft^2

Bankfull Statistics Citations

Bieger, Katrin; Rathjens, Hendrik; Allen, Peter M.; and Arnold, Jeffrey G.,2015, Development and Evaluation of Bankfull Hydraulic Geometry Relationships for the Physiographic Regions of the United States, Publications from USDA-ARS / UNL Faculty, 17p. (https://digitalcommons.unl.edu/usdaarsfacpub/1515?utm_source=digitalcommons.unl.edu%2Fusdaarsfacpub%2F1515&utm_medium=PDF&utm_

Probability Statistics

Probability Statistics Parameters [P zero Flow 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.52	dimensionless	0.24	1.12

Probability Statistics Disclaimers [P zero Flow 2012 5138]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Probability Statistics Flow Report [P zero Flow 2012 5138]

Statistic	Value	Unit
Probability zero flow 1Day	0.0241	dim
Probability zero flow 7Day	0.01	dim
Probability zero flow 30Day	0.000394	dim

Probability Statistics Citations

Koltun, G.F., and Kula, S.P.,2013, Methods for estimating selected low-flow statistics and development of annual flow-duration statistics for Ohio: U.S. Geological Survey Scientific Investigations Report 2012–5138, 195 p. (http://pubs.usgs.gov/sir/2012/5138/)

Maximum Probable Flood Statistics

Maximum Probable Flood Statistics Parameters [Crippen Bue Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0361	square miles	0.1	10000

Maximum Probable Flood Statistics Disclaimers [Crippen Bue Region 4]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Maximum Probable Flood Statistics Flow Report [Crippen Bue Region 4]

Statistic	Value	Unit
Maximum Flood Crippen Bue Regional	212	ft^3/s

Maximum Probable Flood Statistics Citations

Crippen, J.R. and Bue, Conrad D.1977, Maximum Floodflows in the Conterminous United States, Geological Survey Water-Supply Paper 1887, 52p. (https://pubs.usgs.gov/wsp/1887/report.pdf)

Application Version: 4.17.0
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1