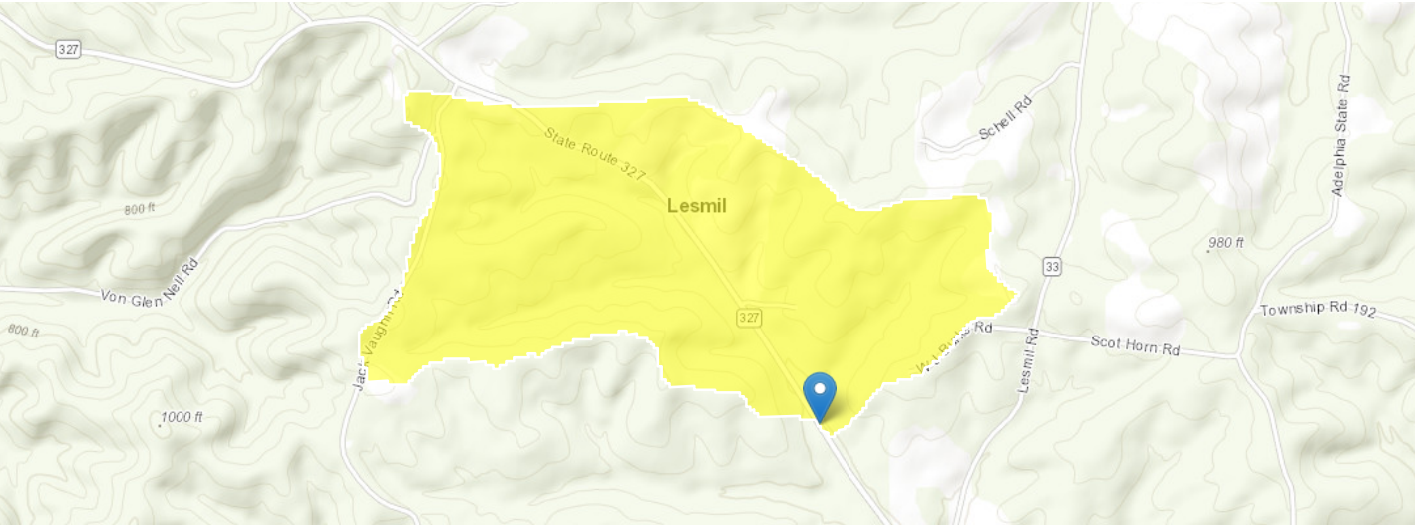


110561 StreamStats Report

Region ID: OH
Workspace ID: OH20240416144242572000
Clicked Point (Latitude, Longitude): 39.14485, -82.58525
Time: 2024-04-16 10:43:06 -0400



Bridge No. JAC-327-1358

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	144	feet per mi
DRNAREA	Area that drains to a point on a stream	0.43	square miles
FOREST	Percentage of area covered by forest	74.1	percent
LAT_CENT	Latitude of Basin Centroid	39.1492	decimal degrees
LC92STOR	Percentage of water bodies and wetlands determined from the NLCD	0	percent
LONG_CENT	Longitude Basin Centroid	82.5899	decimal degrees
OHREGA	Ohio Region A Indicator	1	dimensionless
OHREGC	Ohio Region C Indicator	0	dimensionless
PRECIPCENT	Mean Annual Precip at Basin Centroid	41.4	inches
STREAM_VARG	Streamflow variability index as defined in WRIR 02-4068, computed from regional grid	0.65	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	0.43	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	144	feet per mi	1.53	516
LC92STOR	Percent Storage from NLCD1992	0	percent	0	25.35

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 (other -- see report)

Statistic	Value	Unit	PIL	PIU	ASEp
50-percent AEP flood	72.2	ft ³ /s	37.9	137	40.1
20-percent AEP flood	140	ft ³ /s	76.9	255	37.2
10-percent AEP flood	198	ft ³ /s	108	363	37.6
4-percent AEP flood	285	ft ³ /s	154	527	38.1
2-percent AEP flood	360	ft ³ /s	192	674	37.8
1-percent AEP flood	442	ft ³ /s	233	837	39.6
0.2-percent AEP flood	664	ft ³ /s	347	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>)

➤ Low-Flow Statistics

Low-Flow Statistics Parameters [3.0 Percent (0.0137 square miles) Low Flow Region A 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.43	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.65	dimensionless	0.24	1.12

Low-Flow Statistics Parameters [97.0 Percent (0.419 square miles) Low Flow Region B 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.43	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.65	dimensionless	0.24	1.12

Low-Flow Statistics Disclaimers [3.0 Percent (0.0137 square miles) Low Flow Region A 2012 5138]

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

Low-Flow Statistics Flow Report [3.0 Percent (0.0137 square miles) Low Flow Region A 2012 5138]

Statistic	Value	Unit
1 Day 10 Year Low Flow	0.00193	ft ³ /s
7 Day 10 Year Low Flow	0.00275	ft ³ /s
30 Day 10 Year Low Flow	0.00483	ft ³ /s
90 Day 10 Year Low Flow	0.00949	ft ³ /s

Low-Flow Statistics Disclaimers [97.0 Percent (0.419 square miles) 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 [97.0 Percent (0.419 square miles) Low Flow Region B 2012 5138]

Statistic	Value	Unit
1 Day 10 Year Low Flow	0.00193	ft ³ /s
7 Day 10 Year Low Flow	0.00275	ft ³ /s
30 Day 10 Year Low Flow	0.00483	ft ³ /s
90 Day 10 Year Low Flow	0.0151	ft ³ /s

➤ Flow-Duration Statistics

Flow-Duration Statistics Parameters [3.0 Percent (0.0137 square miles) Low Flow Region A 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.43	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.65	dimensionless	0.24	1.12

Flow-Duration Statistics Parameters [97.0 Percent (0.419 square miles) Low Flow Region B 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.43	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.65	dimensionless	0.24	1.12

Flow-Duration Statistics Disclaimers [3.0 Percent (0.0137 square miles) Low Flow Region A 2012 5138]

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

Flow-Duration Statistics Flow Report [3.0 Percent (0.0137 square miles) Low Flow Region A 2012 5138]

Statistic	Value	Unit
80 Percent Duration	0.025	ft ³ /s

Flow-Duration Statistics Disclaimers [97.0 Percent (0.419 square miles) 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 [97.0 Percent (0.419 square miles) Low Flow Region B 2012 5138]

Statistic	Value	Unit
80 Percent Duration	0.0355	ft^3/s

Flow-Duration Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
80 Percent Duration	0.0352	ft^3/s

Flow-Duration Statistics Citations

➤ Annual Flow Statistics

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

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.43	square miles	0.12	7422
LAT_CENT	Latitude of Basin Centroid	39.1492	decimal degrees	38.68	41.2
PRECIPCENT	Mean Annual Precip at Basin Centroid	41.4	inches	34	43.2

Annual 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 (other -- see report)

Statistic	Value	Unit	SE	ASEp
Mean Annual Flow	0.462	ft^3/s	11.4	11.4

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	0.43	square miles	0.12	7422

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
LC92STOR	Percent Storage from NLCD1992	0	percent	0	19
PRECIPCENT	Mean Annual Precip at Basin Centroid	41.4	inches	34	43.2
FOREST	Percent Forest	74.1	percent	0	99.1
LAT_CENT	Latitude of Basin Centroid	39.1492	decimal degrees	38.68	41.2
STREAM_VARG	Streamflow Variability Index from Grid	0.65	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 (other -- see report)

Statistic	Value	Unit	SE	ASEp
January Mean Flow	0.666	ft^3/s	16.6	16.6
February Mean Flow	0.967	ft^3/s	11.9	11.9
March Mean Flow	1.02	ft^3/s	14	14
April Mean Flow	0.984	ft^3/s	11.2	11.2
May Mean Flow	0.692	ft^3/s	19.5	19.5
June Mean Flow	0.333	ft^3/s	27	27
July Mean Flow	0.177	ft^3/s	28.2	28.2
August Mean Flow	0.152	ft^3/s	36.8	36.8
September Mean Flow	0.103	ft^3/s	43.6	43.6
October Mean Flow	0.0713	ft^3/s	50.8	50.8
November Mean Flow	0.212	ft^3/s	37.5	37.5
December Mean Flow	0.516	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>)

➤ 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	0.43	square miles	0.12	7422
LC92STOR	Percent Storage from NLCD1992	0	percent	0	19
STREAM_VARG	Streamflow Variability Index from Grid	0.65	dimensionless	0.25	1.13
LAT_CENT	Latitude of Basin Centroid	39.1492	decimal degrees	38.68	41.2

General 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 (other -- see report)

Statistic	Value	Unit	SE	ASEp
Harmonic Mean Streamflow	0.0356	ft^3/s	65.9	65.9

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	0.43	square miles	0.12	7422
LC92STOR	Percent Storage from NLCD1992	0	percent	0	19
STREAM_VARG	Streamflow Variability Index from Grid	0.65	dimensionless	0.25	1.13
LAT_CENT	Latitude of Basin Centroid	39.1492	decimal degrees	38.68	41.2
LONG_CENT	Longitude of Basin Centroid	82.5899	decimal degrees	80.53	84.6

Flow Percentile 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 (other -- see report)

Statistic	Value	Unit	SE	ASEp
25th Percentile Flow	0.0947	ft^3/s	29.2	29.2
50th Percentile Flow Median	0.251	ft^3/s	40.3	40.3
75th Percentile Flow	0.537	ft^3/s	47.9	47.9

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	0.43	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	0.43	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	0.43	square miles	0.07722	59927.7393

Bankfull Statistics Flow Report [Appalachian Highlands D Bieger 2015]

Statistic	Value	Unit
Bieger_D_channel_width	10.7	ft
Bieger_D_channel_depth	0.88	ft
Bieger_D_channel_cross_sectional_area	9.52	ft^2

Bankfull Statistics Flow Report [Appalachian Plateaus P Bieger 2015]

Statistic	Value	Unit
Bieger_P_channel_width	10.9	ft
Bieger_P_channel_depth	0.88	ft
Bieger_P_channel_cross_sectional_area	9.53	ft^2

Bankfull Statistics Flow Report [USA Bieger 2015]

Statistic	Value	Unit
Bieger_USA_channel_width	9.2	ft
Bieger_USA_channel_depth	1.01	ft
Bieger_USA_channel_cross_sectional_area	10.8	ft^2

➤ Probability Statistics

Probability Statistics Parameters [P zero Flow 2012 5138]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.43	square miles	1	1250
STREAM_VARG	Streamflow Variability Index from Grid	0.65	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	0.0789	dim
Probability zero flow 7Day	0.0374	dim

Statistic	Value	Unit
Probability zero flow 30Day	0.00196	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	0.43	square miles	0.1	10000

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

Statistic	Value	Unit
Maximum Flood Crippen Bue Regional	1940	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>)

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StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1