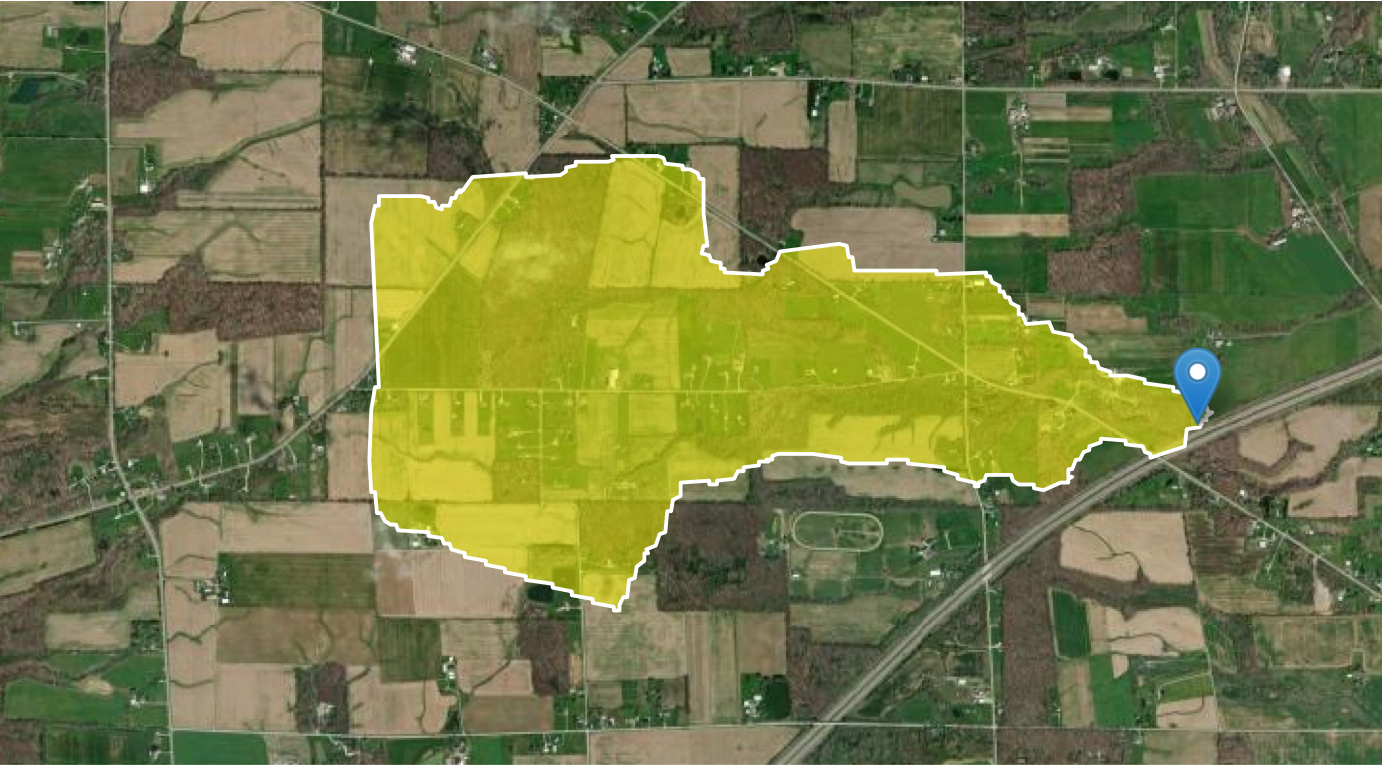


StreamStats Report

Region ID: OH
Workspace ID: OH20250220181211064000
Clicked Point (Latitude, Longitude): 40.90369, -82.16546
Time: 2025-02-20 13:13:09 -0500



 Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CENTROIDX	Basin centroid horizontal (x) location in state plane coordinates	399907.8	meters
CENTROIDY	Basin centroid vertical (y) location in state plane units	4528953.4	meters
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	79.1	feet per mi
DRNAREA	Area that drains to a point on a stream	1.13	square miles

Parameter Code	Parameter Description	Value	Unit
FOREST	Percentage of area covered by forest	33	percent
LAT_CENT	Latitude of Basin Centroid	40.9056	decimal degrees
LC11DEV	Percentage of developed (urban) land from NLCD 2011 classes 21-24	11.9	percent
LC11IMP	Average percentage of impervious area determined from NLCD 2011 impervious dataset	1.2	percent
LC92STOR	Percentage of water bodies and wetlands determined from the NLCD	0.55	percent
LFPLENGTH	Length of longest flow path	2.39	miles
LONG_CENT	Longitude Basin Centroid	82.1884	decimal degrees
LONG_OUT	Longitude of Basin Outlet	-82.165454	degrees
OH_SVI2024	Mapped Ohio Streamflow Variability Index as defined in SIR 2024-5075	0.56	Log base 10
OHREGA	Ohio Region A Indicator	1	dimensionless
OHREGC	Ohio Region C Indicator	0	dimensionless
PRECIPCENT	Mean Annual Precip at Basin Centroid	36.1	inches
STREAM_VARG	Streamflow variability index as defined in WRIR 02-4068, computed from regional grid	0.57	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
CSL1085LFP	Stream Slope 10 and 85 Longest Flow Path	79.1	feet per mi	1.53	516
DRNAREA	Drainage Area	1.13	square miles	0.04	5989
LC92STOR	Percent Storage from NLCD1992	0.55	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	132	ft^3/s	69.7	250	40.1
20-percent AEP flood	241	ft^3/s	133	437	37.2
10-percent AEP flood	331	ft^3/s	181	604	37.6
4-percent AEP flood	463	ft^3/s	252	851	38.1
2-percent AEP flood	574	ft^3/s	309	1070	37.8
1-percent AEP flood	695	ft^3/s	370	1310	39.6
0.2-percent AEP flood	1020	ft^3/s	537	1940	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 [Statewide annual one day ten year low flow with SVI less than or equal to 0.71 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Low-Flow Statistics Parameters [Statewide annual seven day ten year low flow with SVI less than or equal to 0.76 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Low-Flow Statistics Parameters [Statewide annual thirty day ten year low flow with SVI less than or equal to 0.87 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Low-Flow Statistics Parameters [Statewide annual ninety day ten year low flow with SVI less than or equal to 1.00 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Low-Flow Statistics Flow Report [Statewide annual one day ten year low flow with SVI less than or equal to 0.71 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
1 Day 10 Year Low Flow	0.0179	ft^3/s	1	0.85

Low-Flow Statistics Flow Report [Statewide annual seven day ten year low flow with SVI less than or equal to 0.76 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
7 Day 10 Year Low Flow	0.0224	ft^3/s	1	0.89

Low-Flow Statistics Flow Report [Statewide annual thirty day ten year low flow with SVI less than or equal to 0.87 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
30 Day 10 Year Low Flow	0.0403	ft^3/s	1.1	0.88

Low-Flow Statistics Flow Report [Statewide annual ninety day ten year low flow with SVI less than or equal to 1.00 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
90 Day 10 Year Low Flow	0.0798	ft^3/s	2.12	0.85

Low-Flow Statistics Flow Report [Area-Averaged]

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
1 Day 10 Year Low Flow	0.0179	ft^3/s	1	0.85
7 Day 10 Year Low Flow	0.0224	ft^3/s	1	0.89
30 Day 10 Year Low Flow	0.0403	ft^3/s	1.1	0.88
90 Day 10 Year Low Flow	0.0798	ft^3/s	2.12	0.85

Low-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>)

> Flow-Duration Statistics

Flow-Duration Statistics Parameters [Statewide 80% duration flow from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
LONG_OUT	Longitude of Basin Outlet	-82.165454	decimal degrees	-86.0944222	-79.7825507

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Flow-Duration Statistics Flow Report [Statewide 80% duration flow 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
80 Percent Duration	1.6	ft^3/s	8	0.84

Flow-Duration 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>)

➤ 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	1.13	square miles	0.12	7422
LAT_CENT	Latitude of Basin Centroid	40.9056	decimal degrees	38.68	41.2
PRECIPCENT	Mean Annual Precip at Basin Centroid	36.1	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, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE	ASEp
Mean Annual Flow	1.08	ft^3/s	11.4	11.4

Annual Flow Statistics Citations

➤ 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	1.13	square miles	0.12	7422
FOREST	Percent Forest	33	percent	0	99.1
LAT_CENT	Latitude of Basin Centroid	40.9056	decimal degrees	38.68	41.2
LC92STOR	Percent Storage from NLCD1992	0.55	percent	0	19
PRECIPCENT	Mean Annual Precip at Basin Centroid	36.1	inches	34	43.2
STREAM_VARG	Streamflow Variability Index from Grid	0.57	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	1.43	ft^3/s	16.6	16.6
February Mean Flow	1.92	ft^3/s	11.9	11.9
March Mean Flow	2.15	ft^3/s	14	14
April Mean Flow	2	ft^3/s	11.2	11.2
May Mean Flow	1.22	ft^3/s	19.5	19.5
June Mean Flow	0.786	ft^3/s	27	27
July Mean Flow	0.497	ft^3/s	28.2	28.2
August Mean Flow	0.294	ft^3/s	36.8	36.8
September Mean Flow	0.193	ft^3/s	43.6	43.6
October Mean Flow	0.217	ft^3/s	50.8	50.8
November Mean Flow	0.488	ft^3/s	37.5	37.5

Statistic	Value	Unit	SE	ASEp
December Mean Flow	1.09	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>)

➤ Seasonal Flow Statistics

Seasonal Flow Statistics Parameters [Statewide May to November one day ten year low flow with SVI less than or equal to 0.71 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide May to November seven day ten year low flow with SVI less than or equal to 0.77 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide May to November thirty day ten year low flow with SVI less than or equal to 0.86 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide May to November ninety day ten year low

flow with SVI less than or equal to 1.00 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide September to November one day ten year low flow with SVI less than or equal to 0.72 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide September to November seven day ten year low flow with SVI less than or equal to 0.76 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide September to November thirty day ten year low flow with SVI less than or equal to 0.87 from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide September to November ninety day ten year low flow from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
LONG_OUT	Longitude of Basin Outlet	-82.165454	decimal degrees	-86.0944222	-79.7825507
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Parameters [Statewide December to February low flows from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
LONG_OUT	Longitude of Basin Outlet	-82.165454	decimal degrees	-86.0944222	-79.7825507
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Seasonal Flow Statistics Flow Report [Statewide May to November one day ten year low flow with SVI less than or equal to 0.71 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
1 Day 10 Year lowflow May to Nov	0.0179	ft^3/s	1	0.87

Seasonal Flow Statistics Flow Report [Statewide May to November seven day ten year low flow with SVI less than or equal to 0.77 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
7 Day 10 Year lowflow May to Nov	0.0224	ft^3/s	0.98	0.9

Seasonal Flow Statistics Flow Report [Statewide May to November thirty day ten year low flow with SVI less than or equal to 0.86 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
30 Day 10 Year lowflow May to Nov	0.0406	ft ³ /s	0.99	0.89

Seasonal Flow Statistics Flow Report [Statewide May to November ninety day ten year low flow with SVI less than or equal to 1.00 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, PseudoR²: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	RMSE	PseudoR ²
90 Day 10 Year lowflow May to Nov	0.08	ft ³ /s	2.05	0.86

Seasonal Flow Statistics Flow Report [Statewide September to November one day ten year low flow with SVI less than or equal to 0.72 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, PseudoR²: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	RMSE	PseudoR ²
1 Day 10 Year lowflow Sep to Nov	0.0206	ft ³ /s	1.09	0.88

Seasonal Flow Statistics Flow Report [Statewide September to November seven day ten year low flow with SVI less than or equal to 0.76 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, PseudoR²: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	RMSE	PseudoR ²
7 Day 10 Year lowflow Sep to Nov	0.0257	ft ³ /s	1.04	0.91

Seasonal Flow Statistics Flow Report [Statewide September to November thirty day ten year low flow with SVI less than or equal to 0.87 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, PseudoR²: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	RMSE	PseudoR ²
30 Day 10 Year lowflow Sep to Nov	0.0496	ft ³ /s	1.5	0.85

Seasonal Flow Statistics Flow Report [Statewide September to November ninety day ten year low flow 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,

PseudoR²: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	RMSE	PseudoR ²
90 Day 10 Year lowflow Sep to Nov	2.11	ft ³ /s	10.2	0.74

Seasonal Flow Statistics Flow Report [Statewide December to February low flows 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, PseudoR²: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	RMSE	PseudoR ²
1 Day 10 Year lowflow Dec to Feb	1.15	ft ³ /s	7.35	0.77
7 Day 10 Year lowflow Dec to Feb	1.34	ft ³ /s	8.1	0.8
30 Day 10 Year lowflow Dec to Feb	2.01	ft ³ /s	18.9	0.78
90 Day 10 Year lowflow Dec to Feb	5.07	ft ³ /s	62.4	0.83

Seasonal Flow Statistics Flow Report [Area-Averaged]

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, PseudoR²: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	RMSE	PseudoR ²
1 Day 10 Year lowflow May to Nov	0.0179	ft ³ /s	1	0.87
7 Day 10 Year lowflow May to Nov	0.0224	ft ³ /s	0.98	0.9
30 Day 10 Year lowflow May to Nov	0.0406	ft ³ /s	0.99	0.89
90 Day 10 Year lowflow May to Nov	0.08	ft ³ /s	2.05	0.86
1 Day 10 Year lowflow Sep to Nov	0.0206	ft ³ /s	1.09	0.88
7 Day 10 Year lowflow Sep to Nov	0.0257	ft ³ /s	1.04	0.91
30 Day 10 Year lowflow Sep to Nov	0.0496	ft ³ /s	1.5	0.85
90 Day 10 Year lowflow Sep to Nov	2.11	ft ³ /s	10.2	0.74
1 Day 10 Year lowflow Dec to Feb	1.15	ft ³ /s	7.35	0.77
7 Day 10 Year lowflow Dec to Feb	1.34	ft ³ /s	8.1	0.8
30 Day 10 Year lowflow Dec to Feb	2.01	ft ³ /s	18.9	0.78
90 Day 10 Year lowflow Dec to Feb	5.07	ft ³ /s	62.4	0.83

Seasonal 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,

➤ 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	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	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	0.221	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>)

➤ 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	1.13	square miles	0.12	7422
LAT_CENT	Latitude of Basin Centroid	40.9056	decimal degrees	38.68	41.2

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
LC92STOR	Percent Storage from NLCD1992	0.55	percent	0	19
LONG_CENT	Longitude of Basin Centroid	82.1884	decimal degrees	80.53	84.6
STREAM_VARG	Streamflow Variability Index from Grid	0.57	dimensionless	0.25	1.13

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, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE	ASEp
25th Percentile Flow	0.175	ft^3/s	29.2	29.2
50th Percentile Flow Median	0.437	ft^3/s	40.3	40.3
75th Percentile Flow	0.996	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	1.13	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	1.13	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	1.13	square miles	0.07722	59927.7393

Bankfull Statistics Flow Report [Appalachian Highlands D Bieger 2015]

Statistic	Value	Unit
Bieger_D_channel_width	16	ft
Bieger_D_channel_depth	1.16	ft
Bieger_D_channel_cross_sectional_area	18.8	ft^2

Bankfull Statistics Flow Report [Appalachian Plateaus P Bieger 2015]

Statistic	Value	Unit
Bieger_P_channel_width	16.6	ft
Bieger_P_channel_depth	1.16	ft
Bieger_P_channel_cross_sectional_area	19.1	ft^2

Bankfull Statistics Flow Report [USA Bieger 2015]

Statistic	Value	Unit
Bieger_USA_channel_width	12.9	ft
Bieger_USA_channel_depth	1.24	ft
Bieger_USA_channel_cross_sectional_area	18.3	ft^2

Bankfull Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
Bieger_D_channel_width	16	ft
Bieger_D_channel_depth	1.16	ft
Bieger_D_channel_cross_sectional_area	18.8	ft^2
Bieger_P_channel_width	16.6	ft
Bieger_P_channel_depth	1.16	ft
Bieger_P_channel_cross_sectional_area	19.1	ft^2
Bieger_USA_channel_width	12.9	ft
Bieger_USA_channel_depth	1.24	ft
Bieger_USA_channel_cross_sectional_area	18.3	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

➤ Probability Statistics

Probability Statistics Parameters [Statewide seasonal low flow probability of being greater than 0.01 cubic feet per second from SIR 2024-5075]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.21	540
OH_SVI2024	Mapped Ohio Streamflow Variability Index	0.56	Log base 10 cubic feet per second	0.41	1.23

Probability Statistics Flow Report [Statewide seasonal low flow probability of being greater than 0.01 cubic feet per second 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	PC
Probability that Apr-Mar 1-day, 10-yr low flow is over 0.01	0.909	dim	86.2
Probability that Apr-Mar 7-day, 10-yr low flow is over 0.01	0.915	dim	86.2
Probability that Apr-Mar 30-day, 10-yr low flow is over 0.01	0.984	dim	93.1
Probability that May-Nov 1-day, 10-yr low flow is over 0.01	0.908	dim	84.4
Probability that May-Nov 7-day, 10-yr low flow is over 0.01	0.915	dim	86.2
Probability that May-Nov 30-day, 10-yr low flow is over 0.01	0.984	dim	93.1
Probability that Sep-Nov 1-day, 10-yr low flow is over 0.01	0.915	dim	86.2
Probability that Sep-Nov 7-day, 10-yr low flow is over 0.01	0.915	dim	86.2
Probability that Sep-Nov 30-day, 10-yr low flow is over 0.01	0.99	dim	94.8

Probability 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>)

➤ Maximum Probable Flood Statistics

Maximum Probable Flood Statistics Parameters [Crippen Bue Region 6]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.13	square miles	0.1	10000

Maximum Probable Flood Statistics Flow Report [Crippen Bue Region 6]

Statistic	Value	Unit
Maximum Flood Crippen Bue Regional	7630	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