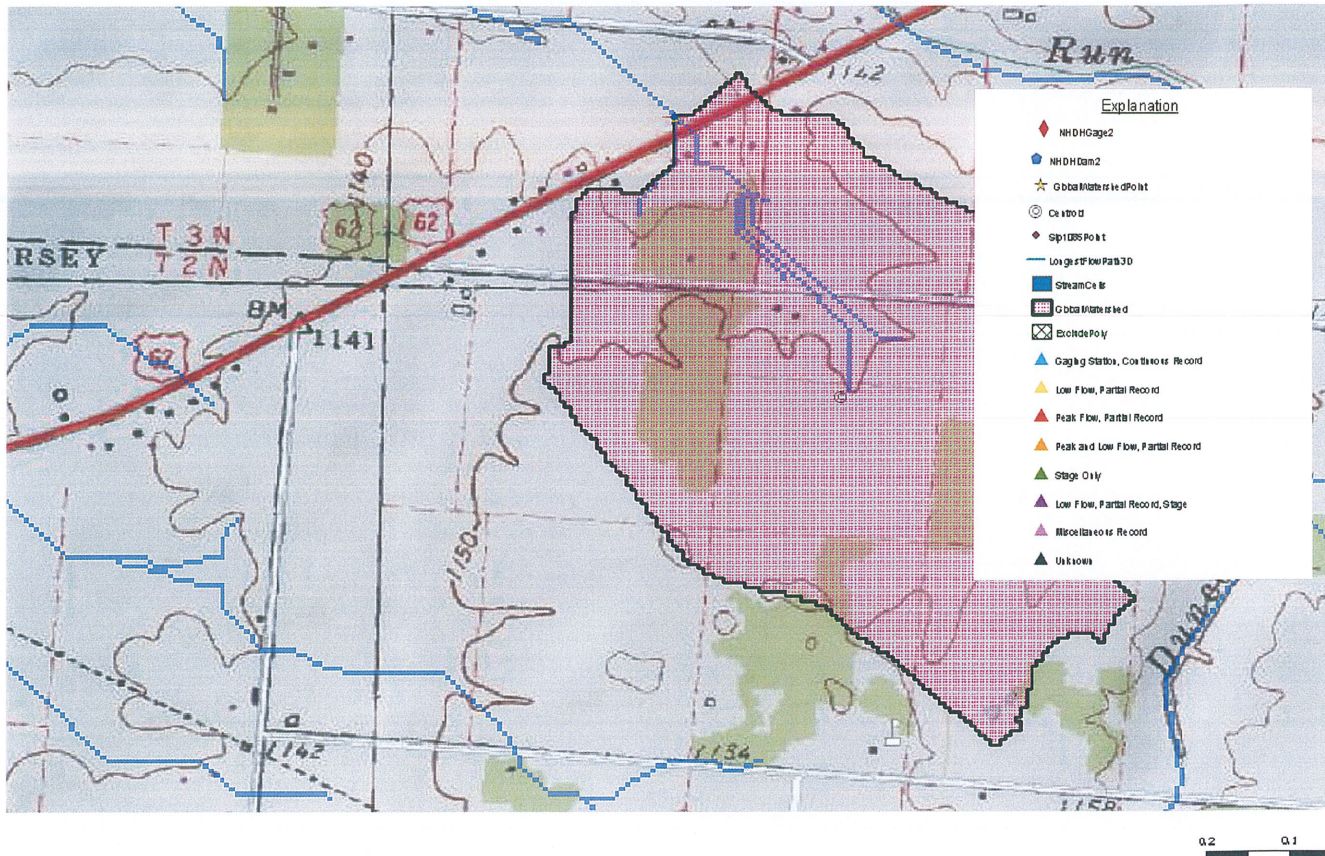




StreamStats Print Page



7/17/2013 3:05:04 PM

13493 Johnstown-Utica Rd.
 Johnstown, OH 43031
 ≈ 1670' E of Green Chapel Rd.
 ≈ 1200' W of Panther Rd.
 ≈ 5000' E of county line



Ohio StreamStats

Streamstats Ungaged Site Report

Date: Wed Jul 17 2013 15:02:15 Mountain Daylight Time
 Site Location: Ohio
 NAD27 Latitude: 40.1284 (40 07 42)
 NAD27 Longitude: -82.7435 (-82 44 37)
 NAD83 Latitude: 40.1284 (40 07 42)
 NAD83 Longitude: -82.7434 (-82 44 36)
 Drainage Area: 0.37 mi²

| Peak Flows Basin Characteristics | | | |
|--|-------|---------------------------------|------|
| 100% Peak Flow Full Model (0.37 mi ²) | | | |
| Parameter | Value | Regression Equation Valid Range | |
| | | Min | Max |
| Drainage Area (square miles) | 0.37 | 0.01 | 7422 |
| Ohio Region C Indicator 1 if in C else 0 (dimensionless) | 0 | 0 | 1 |
| Ohio Region A Indicator 1 if in A else 0 (dimensionless) | 1 | 0 | 1 |
| Stream Slope 10 and 85 Longest Flow Path (feet per mi) | 25.1 | 1.53 | 674 |
| Percent Storage from NLCD (percent) | 3.22 | 0 | 25.8 |

| Low-Flow SIR 2012_5138 Basin Characteristics | | | |
|--|--------------------------|---------------------------------|------|
| 100% Low Flow Region A 2012 5138 (0.37 mi ²) | | | |
| Parameter | Value | Regression Equation Valid Range | |
| | | Min | Max |
| Drainage Area (square miles) | 0.37 (below min value 1) | 1 | 1250 |
| Streamflow Variability Index (dimensionless) | 0.650 | 0.24 | 1.12 |

0.37 mi² = 237 Ac

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

| Probability of Zero Flow Basin Characteristics | | | |
|--|--------------------------|---------------------------------|------|
| 100% P zero Flow 2012 5138 (0.37 mi ²) | | | |
| Parameter | Value | Regression Equation Valid Range | |
| | | Min | Max |
| Drainage Area (square miles) | 0.37 (below min value 1) | 1 | 1250 |
| Streamflow Variability Index (dimensionless) | 0.650 | 0.24 | 1.12 |

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

| Mean and Percentile Basin Characteristics | | | |
|--|---------|---------------------------------|------|
| Y coordinate (latitude) of the centroid in decimal degrees=40.1230 | | | |
| 100% Low Flow LatLE 41.2 wri02 4068 (0.37 mi ²) | | | |
| Parameter | Value | Regression Equation Valid Range | |
| | | Min | Max |
| Drainage Area (square miles) | 0.37 | 0.12 | 7422 |
| Percent Forest (percent) | 24.5 | 0 | 99.1 |
| Percent Storage from NLCD (percent) | 3.22 | 0 | 19 |
| Mean Annual Precipitation (inches) | 37.4 | 34 | 43.2 |
| Streamflow Variability Index (dimensionless) | 0.650 | 0.25 | 1.13 |
| Latitude of Basin Centroid (decimal degrees) | 40.1231 | 38.68 | 41.2 |
| Longitude of Basin Centroid (decimal degrees) | 82.7395 | 80.53 | 84.6 |

| Peak Flows Streamflow Statistics | | | | | |
|----------------------------------|---------------------------|----------------------------|----------------------------|--------------------------------|---------|
| Statistic | Flow (ft ³ /s) | Prediction Error (percent) | Equivalent years of record | 90-Percent Prediction Interval | |
| | | | | Minimum | Maximum |
| PK2 | 38.3 | 37 | 2.1 | 18.8 | 78 |

| | | | | | |
|-------|------|----|-----|------|-----|
| PK5 | 64.4 | 35 | 3.3 | 32.8 | 126 |
| PK10 | 82.6 | 34 | 4.4 | 42 | 162 |
| PK25 | 106 | 35 | 5.9 | 52.5 | 213 |
| PK50 | 123 | 37 | 6.8 | 59.4 | 254 |
| PK100 | 140 | 38 | 7.5 | 65.5 | 298 |
| PK500 | 179 | 42 | 8.6 | 77.5 | 414 |

| Low-Flow SIR 2012_5138 Streamflow Statistics | | | | | |
|--|---------------------------|--------------------------|----------------------------|--------------------------------|---------|
| Statistic | Flow (ft ³ /s) | Standard Error (percent) | Equivalent years of record | 90-Percent Prediction Interval | |
| | | | | Minimum | Maximum |
| D80 | 0.0215 | | | | |
| M1D10Y | 0.00166 | | | | |
| M7D10Y | 0.00236 | | | | |
| M30D10Y | 0.00416 | | | | |
| M90D10Y | 0.00817 | | | | |

If one of the probabilities below is greater than 0.1, then it is recommended that zero (0) cubic feet per second be used for the corresponding low-flow statistic

| Probability of Zero Flow Statistics | | |
|-------------------------------------|---------|--------------------------|
| Statistic | Value | Standard Error (percent) |
| PROB_1DAY | 0.0789 | |
| PROB_7DAY | 0.0374 | |
| PROB_30DAY | 0.00196 | |

| Mean and Percentile Streamflow Statistics | | | | | |
|---|---------------------------|----------------------------|----------------------------|--------------------------------|---------|
| Statistic | Flow (ft ³ /s) | Prediction Error (percent) | Equivalent years of record | 90-Percent Prediction Interval | |
| | | | | Minimum | Maximum |
| Q1 | 0.55 | 17 | | | |
| Q2 | 0.68 | 12 | | | |
| Q3 | 0.73 | 14 | | | |
| Q4 | 0.7 | 11 | | | |
| Q5 | 0.45 | 20 | | | |
| Q6 | 0.26 | 27 | | | |
| Q7 | 0.13 | 28 | | | |
| Q8 | 0.0963 | 37 | | | |
| Q9 | 0.0593 | 44 | | | |
| QA | 0.36 | 11 | | | |
| Q10 | 0.061 | 51 | | | |
| Q11 | 0.16 | 38 | | | |
| Q12 | 0.37 | 22 | | | |
| QAH | 0.0423 | 66 | | | |
| FPS25 | 0.0912 | 29 | | | |
| FPS50 | 0.2 | 40 | | | |
| FPS75 | 0.46 | 48 | | | |