

Temporary Construction, Access and Dewatering Activities Checklist

The purpose of this form is to aid the Office of Environmental Services - Waterway Permits Unit (OES-WPU) in the Permit Determination and Special Provisions processes. This form shall be completed by the project designer for each aquatic resource and reflect the anticipated temporary fill activities in the aquatic resource (including streams, impounded streams, lakes, reservoirs, rivers). If the type and amount of temporary fill is unknown, assume a reasonable and logical worst-case scenario of what could be needed. A complete copy of this form shall be provided to the District Environmental Coordinator (DEC) to be included in the Permit Determination Request submitted to OES-WPU. Please use [the current version of this TAF Checklist](#) found on the Waterway Permits website.

| | | | |
|------------------------|----------------------|------|--------|
| CRS: | SCI-006SF-1244 | PID: | 117540 |
| Aquatic resource name* | Branch of Bear Creek | | |

*Provide stationing if more than one location on the same aquatic resource will be impacted

1. During the construction of this project, the following fill activities in the aquatic resource are anticipated: (check all that apply)

| | |
|-------------------------------------|--|
| <input type="checkbox"/> | Temporary bridge or structure (CMS Item 502) |
| <input checked="" type="checkbox"/> | Cofferdams (temporary dewatering) |
| <input type="checkbox"/> | Demolition and debris (intentional fill) |
| <input type="checkbox"/> | Causeways and work pads |

2. ODOT requires that the temporary activity accommodates a minimum flow equal to twice the maximum mean monthly flow without creating a rise in backwater above the OHWM. This flow is the Standard Temporary Discharge (STD).

| | |
|----------|---|
| Yes | Is U.S. Geological Survey Stream Stats data available for this location? |
| 2.68 cfs | Provide the minimum flow (cfs) to be maintained throughout construction for this location |

3. The method that will most likely be implemented by the Contractor to maintain this flow will be (check all that apply):

| | |
|-------------------------------------|--|
| <input type="checkbox"/> | Conduits (Provide TAF Design Worksheet and hydraulic calculations when the STD is 10 cfs or greater) |
| <input type="checkbox"/> | Open channel(s)/temporary bridge (Provide TAF Design Worksheet and hydraulic calculations when the STD is 10 cfs or greater) |
| <input checked="" type="checkbox"/> | Pump around (TAF Design Worksheet and hydraulic calculations are NOT required for cofferdams with pump around scenarios). For minimum flows over 15 cfs, work will be limited to months <15 cfs. |
| Yes | Verify if the project meet flow requirements outlined in the Location & Design Manual Vol. 2 Section 1010 ? Provide TAF Design Worksheet and attach hydraulic calculations when specified above. |

4. Additional information

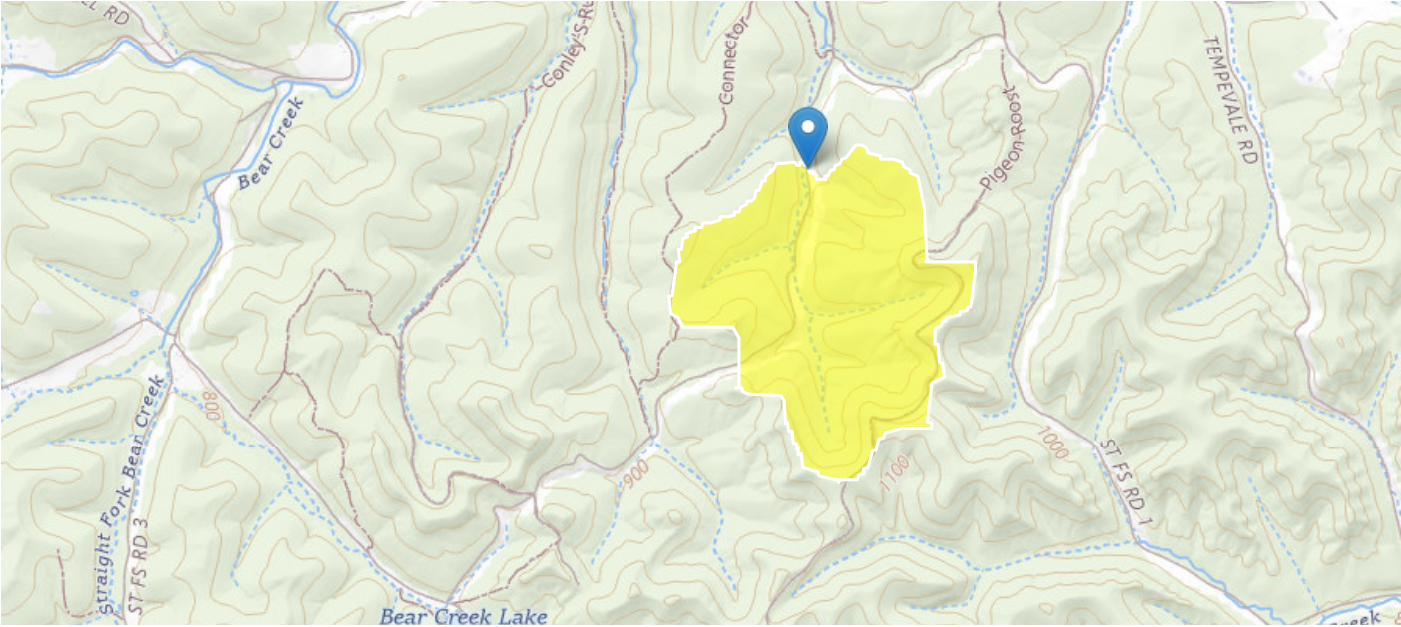
| | |
|----------|---|
| 2 Months | Provide the proposed duration (weeks, months or years) of temporary fill in the aquatic resource. |
| No | Will temporary fill occur within a flowage easement of a federal flood control facility? <i>This item only applies to federal flood control facilities. Flowage easements associated with these facilities can occur several miles away from the facility. If uncertain that the project is in a flowage easement area, please consult the district's real estate office for assistance.</i> |

Click on the link below to access ODOT's Waterway Permits manual, guidance, and other resources:

<https://www.transportation.ohio.gov/wps/portal/gov/odot/programs/waterway-permits-program/waterway-permits>

StreamStats Report - SFN 7326637

Region ID: OH
Workspace ID: OH20250513131054982000
Clicked Point (Latitude, Longitude): 38.80026, -83.15662
Time: 2025-05-13 09:11:30 -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 | 271 | feet per mi |
| DRNAREA | Area that drains to a point on a stream | 0.54 | square miles |
| FOREST | Percentage of area covered by forest | 99.9 | percent |
| LAT_CENT | Latitude of Basin Centroid | 38.7945 | decimal degrees |
| LC92STOR | Percentage of water bodies and wetlands determined from the NLCD | 0 | percent |
| OHREGA | Ohio Region A Indicator | 1 | dimensionless |
| OHREGC | Ohio Region C Indicator | 0 | dimensionless |
| PRECIPCENT | Mean Annual Precip at Basin Centroid | 42.3 | inches |
| STREAM_VARG | Streamflow variability index as defined in WRIR 02-4068, computed from regional grid | 0.86 | 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 | 271 | feet per mi | 1.53 | 516 |
| DRNAREA | Drainage Area | 0.54 | square miles | 0.04 | 5989 |
| LC92STOR | Percent Storage from NLCD1992 | 0 | 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, PseudoR²: Pseudo R Squared (other -- see report)

| Statistic | Value | Unit | PIL | PIU | ASEp |
|-----------------------|-------|--------------------|------|------|------|
| 50-percent AEP flood | 95.6 | ft ³ /s | 49.9 | 183 | 40.1 |
| 20-percent AEP flood | 189 | ft ³ /s | 103 | 347 | 37.2 |
| 10-percent AEP flood | 270 | ft ³ /s | 146 | 499 | 37.6 |
| 4-percent AEP flood | 394 | ft ³ /s | 211 | 735 | 38.1 |
| 2-percent AEP flood | 500 | ft ³ /s | 265 | 944 | 37.8 |
| 1-percent AEP flood | 616 | ft ³ /s | 322 | 1180 | 39.6 |
| 0.2-percent AEP flood | 932 | ft ³ /s | 481 | 1810 | 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>)

➤ 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 | 0.54 | square miles | 0.12 | 7422 |
| FOREST | Percent Forest | 99.9 | percent | 0 | 99.1 |
| LAT_CENT | Latitude of Basin Centroid | 38.7945 | decimal degrees | 38.68 | 41.2 |
| LC92STOR | Percent Storage from NLCD1992 | 0 | percent | 0 | 19 |
| PRECIPCENT | Mean Annual Precip at Basin Centroid | 42.3 | inches | 34 | 43.2 |
| STREAM_VARG | Streamflow Variability Index from Grid | 0.86 | 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 | 0.866 | ft^3/s |
| February Mean Flow | 1.26 | ft^3/s |
| March Mean Flow | 1.34 | ft^3/s |
| April Mean Flow | 1.28 | ft^3/s |
| May Mean Flow | 0.984 | ft^3/s |
| June Mean Flow | 0.391 | ft^3/s |
| July Mean Flow | 0.188 | ft^3/s |
| August Mean Flow | 0.159 | ft^3/s |
| September Mean Flow | 0.109 | ft^3/s |
| October Mean Flow | 0.0717 | ft^3/s |
| November Mean Flow | 0.275 | ft^3/s |
| December Mean Flow | 0.677 | 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>)

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Application Version: 4.28.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1