

**APPROVED JURISDICTIONAL DETERMINATION FORM**  
**U.S. Army Corps of Engineers**

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

**SECTION I: BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 29 DEC 2021**

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Buffalo District, Liberatore Management Group, LRB-2020-00725**

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

State: New York County/parish/borough: Erie City: Town of Hamburg  
Center coordinates of site (lat/long in degree decimal format): Lat. 42.75769° N, Long. -78.84014° W  
Universal Transverse Mercator:

Name of nearest waterbody: Foster Creek  
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A  
Name of watershed or Hydrologic Unit Code (HUC): 8-digit HUC: 04120103, Buffalo-Eighteenmile

- Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.  
 Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form

**D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):**

- Office (Desk) Determination. Date: 29 DEC 2021  
X Field Determination. Date(s): 20 OCT 2021

**SECTION II: SUMMARY OF FINDINGS**

**A. RHA SECTION 10 DETERMINATION OF JURISDICTION.**

There are no “*navigable waters of the U.S.*” within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

- Waters subject to the ebb and flow of the tide.  
 Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.  
Explain: [Click here to enter text.](#)

**B. CWA SECTION 404 DETERMINATION OF JURISDICTION.**

There are no “*waters of the U.S.*” within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

**1. Waters of the U.S.**

**a. Indicate presence of waters of U.S. in review area (check all that apply):<sup>1</sup>**

- TNWs, including territorial seas  
 Wetlands adjacent to TNWs  
 Relatively permanent waters<sup>2</sup> (RPWs) that flow directly or indirectly into TNWs  
 Non-RPWs that flow directly or indirectly into TNWs  
 Wetlands directly abutting RPWs that flow directly or indirectly into TNWs  
 Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs  
 Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs  
 Impoundments of jurisdictional waters  
 Isolated (interstate or intrastate) waters, including isolated wetlands

**b. Identify (estimate) size of waters of the U.S. in the review area:**

Non-wetland waters: linear feet: width (ft) and/or # acres.  
Wetlands: acres

**c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual**

Elevation of established OHWM (if known): Unknown

**2. Non-regulated waters/wetlands (check if applicable):<sup>3</sup>**

- Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.  
Explain: **The subject wetlands (Wetlands 1 & 2) are isolated, intrastate wetlands which have no interstate or foreign commerce nexus.**

**SECTION III: CWA ANALYSIS**

<sup>1</sup> Boxes checked below shall be supported by completing the appropriate sections in Section III below.

<sup>2</sup> For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least “seasonally” (e.g., typically 3 months).

<sup>3</sup> Supporting documentation is presented in Section III.F.

**A. TNWs AND WETLANDS ADJACENT TO TNWs**

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

**1. TNW**

Identify TNW: [Click here to enter text.](#)

Summarize rationale supporting determination: [Click here to enter text.](#)

**2. Wetland adjacent to TNW**

Summarize rationale supporting conclusion that wetland is “adjacent”: [Click here to enter text.](#)

**B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):**

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody<sup>4</sup> is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

**1. Characteristics of non-TNWs that flow directly or indirectly into TNW**

**(i) General Area Conditions:**

Watershed size: acres

Drainage area: acres

Average annual rainfall: inches

Average annual snowfall: inches

**(ii) Physical Characteristics:**

**(a) Relationship with TNW:**

Tributary flows directly into TNW.

Tributary flows through tributaries before entering TNW.

Project waters are [Choose an item.](#) river miles from TNW.

Project waters are [Choose an item.](#) river miles from RPW.

Project waters are [Choose an item.](#) aerial (straight) miles from TNW.

Project waters are [Choose an item.](#) aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW<sup>5</sup>:

Tributary stream order, if known:

**(b) General Tributary Characteristics (check all that apply):**

**Tributary is:**  Natural

Artificial (man-made). Explain: [Click here to enter text.](#)

Manipulated (man-altered). Explain:

**Tributary properties with respect to top of bank (estimate):**

Average width: feet

Average depth: feet

Average side slopes: [Choose an item.](#)

**Primary tributary substrate composition (check all that apply):**

Silts  Sands  Concrete

Cobbles  Gravel  Muck

Bedrock  Vegetation. Type/% cover:

<sup>4</sup> Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

<sup>5</sup> Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

Other. Explain: Detritus

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: .

Presence of run/riffle/pool complexes. Explain: .

Tributary geometry: *Choose an item.*

Tributary gradient (approximate average slope):

(c) **Flow:**

Tributary provides for: *Choose an item.*

Estimate average number of flow events in review area/year: *Choose an item.*

Describe flow regime:.

Other information on duration and volume:

Surface flow is: *Choose an item.* Characteristics: .

Subsurface flow: Unknown Explain findings: *Click here to enter text.*

Dye (or other) test performed: *Click here to enter text.*

Tributary has (check all that apply):

Bed and banks

OHWM<sup>6</sup> (check all indicators that apply):

clear, natural line impressed on the bank  the presence of litter and debris

changes in the character of soil  destruction of terrestrial vegetation

shelving  the presence of wrack line

vegetation matted down, bent, or absent  sediment sorting

leaf litter disturbed or washed away  scour

sediment deposition  multiple observed or predicted flow events

water staining  abrupt change in plant community *Click here to enter text.*

other (list): *Click here to enter text.*

Discontinuous OHWM.<sup>7</sup> Explain: *Click here to enter text.*

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by:  Mean High Water Mark indicated by:

oil or scum line along shore objects  survey to available datum;

fine shell or debris deposits (foreshore)  physical markings;

physical markings/characteristics  vegetation lines/changes in vegetation types.

tidal gauges

other (list): *Click here to enter text.*

**(iii) Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

**(iv) Biological Characteristics. Channel supports (check all that apply):**

Riparian corridor. Characteristics (type, average width):

Wetland fringe. Characteristics: .

Habitat for:

Federally Listed species. Explain findings: *Click here to enter text.*

Fish/spawn areas. Explain findings: *Click here to enter text.*

Other environmentally-sensitive species. Explain findings: *Click here to enter text.*

Aquatic/wildlife diversity. Explain findings: .

**2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**

Properties:

Wetland size:

Wetland type. Explain:

Wetland quality. Explain:

<sup>6</sup>A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

<sup>7</sup>Ibid.

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: Intermittent and Ephemeral Flow Explain:

Surface flow is: Discrete and Confined

Characteristics:

Subsurface flow: *Choose an item*. Explain findings: *Click here to enter text*.

Dye (or other) test performed: *Click here to enter text*.

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting:

Not directly abutting:

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain: *Click here to enter text*.

(d) Proximity (Relationship) to TNW

Project wetlands are *Choose an item*. river miles from TNW.

Project waters are *Choose an item*. aerial (straight) miles from TNW.

Flow is from: *Choose an item*.

Estimate approximate location of wetland as within the *Choose an item*. floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

Riparian buffer. Characteristics (type, average width):

Vegetation type/percent cover. Explain:

Habitat for:

Federally Listed species. Explain findings: *Click here to enter text*.

Fish/spawn areas. Explain findings: *Click here to enter text*.

Other environmentally-sensitive species. Explain findings: *Click here to enter text*.

Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: *Choose an item*.

Approximately (#) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)

Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. **SIGNIFICANT NEXUS DETERMINATION**

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

*Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:*

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: [Click here to enter text.](#)
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: [Click here to enter text.](#)
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

**D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):**

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
  - TNWs: # linear feet # width (ft), Or, # acres.
  - Wetlands adjacent to TNWs: # acres.
2. **RPWs that flow directly or indirectly into TNWs.**
  - Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: [Click here to enter text.](#)
  - Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: # acres.

Identify type(s) of waters: [Click here to enter text.](#)

3. **Non-RPWs<sup>8</sup> that flow directly or indirectly into TNWs.**
  - Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: # linear feet # width (ft).
- Other non-wetland waters: # acres.

Identify type(s) of waters: [Click here to enter text.](#)

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
  - Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
    - Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
    - Wetlands directly abutting an RPW where tributaries typically flow “seasonally.” Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

Provide acreage estimates for jurisdictional wetlands in the review area: .

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
  - Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area:

**Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: # acres.

7. **Impoundments of jurisdictional waters.<sup>9</sup>**

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

  - Demonstrate that impoundment was created from “waters of the U.S.,” or
  - Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
  - Demonstrate that water is isolated with a nexus to commerce (see E below).

<sup>8</sup>See Footnote # 3.

<sup>9</sup> To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

**E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):<sup>10</sup>**

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
- from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
- which are or could be used for industrial purposes by industries in interstate commerce.
- Interstate isolated waters. Explain: [Click here to enter text.](#)
- Other factors. Explain: [Click here to enter text.](#)

**Identify water body and summarize rationale supporting determination:** [Click here to enter text.](#)

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: # linear feet # width (ft).
- Other non-wetland waters: # acres.  
Identify type(s) of waters: [Click here to enter text.](#)
- Wetlands: # acres.

**F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):**

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
  - Prior to the Jan 2001 Supreme Court decision in “*SWANCC*,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain: [Click here to enter text.](#)
- Other: (explain, if not covered above): A site visit was conducted at the subject parcel on 20 OCT 2021. In addition, a wetland delineation report (dated 4 JUN 2020) submitted by Earth Dimensions, Inc. was reviewed. Finally, in-house resources including, topographical maps, historic aerial photography and soils maps were reviewed. After review of the available resources, delineation report, additional information and observations from the field, no surface water flows or culverts were located flowing from Wetland 1 (1.63 acres) or Wetland 2 (2.53 acres).

The boundary of Wetland 1 (1.63 acres) was walked and based on the on-site walkover and review of in-house resources it was determined the wetland is a closed depressional wetland that was not abutting or adjacent to a drainage-way nor appeared to flow directly into a drainage-way or a TNW. Wetland 1 is approx. 100 linear feet from Wetland 2 and more than 900 linear feet from Wetland 3. In addition, it is more than 1,200 linear feet from the unnamed tributary to Foster Brook (Stream 1). No other drainageways or drainage patterns were located flowing into or out from the wetland during the site visit or from a desktop review of mapping resources. The wetland is a shallow surface concave depression that collects water and holds it long enough to provide wetland characteristics but does not drain from any surface connections and any subsurface connection would be speculative but based on the topography would not be expected to occur.

The boundary of Wetland 2 (2.53 acres) was walked and based on the on-site walkover and review of in-house resources it was determined the wetland is a closed depressional wetland that was not abutting or adjacent to a drainage-way nor appeared to flow directly into a drainage-way or a TNW. Wetland 2 is approx. 200 linear feet from Wetland C and 510 linear feet from the unnamed tributary to Foster Brook (Stream 1). No other drainageways or drainage patterns were located flowing into or out from the wetland during the site visit or from a desktop review of mapping resources. The wetland is a shallow surface concave depression that collects water and holds it long enough to provide wetland characteristics but does not drain from any surface connections and any subsurface connection would be speculative but based on the topography would not be expected to occur.

After performing a site visit, reviewing the delineation report, and in-house resources, there was no evidence of drainage or flow from the wetlands to any of the drainage features identified on or adjacent to the delineated parcel. Due to the distance to the nearest drainageways, on-site soil conditions, and topography, it is unlikely that any shallow subsurface connection exists between the wetlands and the nearest drainageways. The wetlands are physically and geographically isolated within depressions on the landscape and water would not make it to a TNW. An ecological nexus between the wetland and the surrounding wetlands and waterways is low to nonexistent because of the distance between the wetlands and nearest drainageways. Based on the above information, the wetlands do not meet the wetland adjacency criteria. Therefore, Wetlands 1 & 2 are isolated, intrastate, non-navigable wetlands which have no interstate or foreign commerce nexus and there are not subject to federal jurisdiction.

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).
- Lakes/ponds: # acres.
- Other non-wetland waters: # acres. List type of aquatic resource: [Click here to enter text.](#)
- Wetlands: **Wetland 1 – 1.63 acres; Wetland 2 – 2.53 acres.**

<sup>10</sup> Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos*.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).
- Lakes/ponds: # acres.
- Other non-wetland waters: # acres. List type of aquatic resource: [Click here to enter text.](#)
- Wetlands: acres.

#### **SECTION IV: DATA SOURCES.**

**A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):**

- Maps, plans or plots submitted by or on behalf of the applicant/consultant: "Wetland and Waterbodies Delineation Report for 0 Southwestern Boulevard", dated 4 JUN 2020.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
  - Office concurs with data sheets/delineation report.
  - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study: [Click here to enter text.](#)
- U.S. Geological Survey Hydrologic Atlas: [Click here to enter text.](#)
  - USGS NHD data.
  - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: 1:24K, Buffalo SE.
- USDA Natural Resources Conservation Service Soil Survey: Web Soil Survey.
- National wetlands inventory map(s). Cite name: NWI map provided in wetland delineation.
- State/Local wetland inventory map(s):
- FEMA/FIRM maps: [Click here to enter text.](#)
- 100-year Floodplain Elevation is: [Click here to enter text.](#) (National Geodetic Vertical Datum of 1929)
- Photographs:  Aerial (Name & Date): 1) Google Earth dated 6 OCT 2008, 16 MAR 2017, 22 SEP 2018. 2) Connect Explorer dated 25 APR 2020.
- or  Other (Name & Date): Corps site visit dated 20 OCT 2021.
- Previous determination(s). File no. and date of response letter: Wetland 3 and Stream 1 are currently being evaluated under a PJD.
- Applicable/supporting case law: [Click here to enter text.](#)
- Applicable/supporting scientific literature: [Click here to enter text.](#)
- Other information (please specify): [Click here to enter text.](#)

#### **B. ADDITIONAL COMMENTS TO SUPPORT JD:**

The submitted wetland delineation report was reviewed and the wetland boundaries included in the map were verified in the field on 20 OCT 2021.

The USGS NHD did not identify any waterways within the parcel, including the unnamed tributary to Foster Creek (Stream 1). However, it did depict Foster Creek (located to the east off the parcel) to be a perennial stream channel, that flows directly into Lake Erie.

The USGS topography map did not depict any waterbodies on the parcel. However, it did depict Foster Creek (located to the east on the adjacent parcel to the east) to be a perennial stream channel, that flows directly into Lake Erie.

Six soils were mapped within the delineated parcel in the Web Soil Survey:

- 1) Angola silt loam, 0-3% slopes (AoA) - 5 hydric rating.
- 2) Brockport silty clay loam (BrB) - 5 hydric rating .
- 3) Canadice silt loam, channery till substratum (Cb) – 90 hydric rating. This soil type appears in the area of Wetland 1.
- 4) Niagara silt loam, till substratum – 5 hydric rating.
- 5) Orpark silt loam, 0-3% slopes – 5 hydric rating.
- 6) Remsen silty clay loam, 3-8% slopes - 5 hydric rating.

The NWI depicted one Palustrine Forested Broad-Leaved Deciduous Seasonally Saturated (PFO1B) wetland encompassing most of the parcel. Foster Creek is mapped as a riverine habitat to the east of the delineated parcel.

Review of historic aerial photos showed the area to be forested and relatively undisturbed. A couple of the historic aerials are during leaf-off and no channels or other surface water connections can be viewed within and directly around Wetlands 1 and 2.