



**U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE**

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 12/22/2020

ORM Number: LRB-2020-00603

Associated JDs: N/A

Review Area Location¹: State/Territory: Ohio City: Concord Township County/Parish/Borough: Lake

Center Coordinates of Review Area: Latitude 41.65184 Longitude -81.23029

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list MUST be selected. Complete the corresponding sections/tables and summarize data sources.

- The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A or describe rationale.
- There are “navigable waters of the United States” within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- There are “waters of the United States” within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)²

§ 10 Name	§ 10 Size	§ 10 Criteria	Rationale for § 10 Determination
N/A.	N/A.	N/A.	N/A.

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters): ³			
(a)(1) Name	(a)(1) Size	(a)(1) Criteria	Rationale for (a)(1) Determination
N/A.	N/A.	N/A.	N/A.

Tributaries ((a)(2) waters):			
(a)(2) Name	(a)(2) Size	(a)(2) Criteria	Rationale for (a)(2) Determination
Stream 1	603 linear feet	(a)(2) Perennial tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 1 flows to Gordon Creek to Big Creek and to the Grand River, a Section 10 water. The NWI indicates this stream as a riverine feature. The USGS map indicates this stream as a solid line. The Soil Survey of Lake County indicates this stream as intermittent. The Wetland and Watercourse Delineation Report indicated the stream is perennial. The stream was flowing on the Corps site visit on August 25, 2020, and consultant site visit on November 26, 2019, when conditions were drier

¹ Map(s)/figure(s) are attached to the AJD provided to the requestor.

² If the navigable water is not subject to the ebb and flow of the tide or included on the District’s list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.

³ A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.



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Tributaries ((a)(2) waters):				
(a)(2) Name	(a)(2) Size		(a)(2) Criteria	Rationale for (a)(2) Determination
				than normal for both site visits as per the Antecedent Precipitation Tool.
N/A.	N/A.	N/A.	N/A.	N/A.
N/A.	N/A.	N/A.	N/A.	N/A.

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):				
(a)(3) Name	(a)(3) Size		(a)(3) Criteria	Rationale for (a)(3) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
Wetland B	0.052	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	Wetland B abuts Stream 1.
N/A.	N/A.	N/A.	N/A.	N/A.
N/A.	N/A.	N/A.	N/A.	N/A.
N/A.	N/A.	N/A.	N/A.	N/A.
N/A.	N/A.	N/A.	N/A.	N/A.
N/A.	N/A.	N/A.	N/A.	N/A.
N/A.	N/A.	N/A.	N/A.	N/A.

D. Excluded Waters or Features

Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size		Exclusion ⁵	Rationale for Exclusion Determination
Stream 2	36	linear feet	(b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool.	This stream is ephemeral. Stream 2 contains woody debris and leaf litter, and is straight with mostly smaller substrate types of clay and muck, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP

⁴ Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area.

⁵ Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.



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Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size		Exclusion ⁵	Rationale for Exclusion Determination
				was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream 3	892	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	This stream is ephemeral. Stream 3 contains woody debris and leaf litter, and is meandering with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream 4	310	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	This stream is ephemeral. Stream 4 contains woody debris and leaf litter, and is straight with some meanders, and with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream 5	360	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of	This stream is ephemeral. Stream 5 contains woody debris and leaf litter, and is meandering, and with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant



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Excluded waters ((b)(1) – (b)(12)): ⁴			
Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination
		a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream A	5	linear feet (b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	This stream is ephemeral. Stream A contains woody debris and leaf litter, and is slightly meandering, and with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream B	56	linear feet (b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	This stream is ephemeral. Stream B contains woody debris and leaf litter, and is slightly meandering, and with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than



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Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination	
				normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream C	117	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	This stream is ephemeral. Stream C contains woody debris and leaf litter, and is meandering, with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream F	57	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	This stream is ephemeral. Stream F contains woody debris and leaf litter, and is slightly meandering, and with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season,



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Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size		Exclusion ⁵	Rationale for Exclusion Determination
				and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Stream G	357	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	This stream is ephemeral. Stream G contains woody debris and leaf litter, and is slightly meandering, and with mostly smaller substrate types of clay and silt, and little aquatic habitat. The consultant determined it to be ephemeral based on their site visits on 11/26/2019, 12/6/2019, 12/8/2019, 12/9/2019, and 12/16/2019. Except for 11/26/2019, the Antecedent Precipitation Tool Condition (APT) for all of these site visits was normal. For the 11/26/2019 site visit the condition was drier than normal. All consultant site visits were in the Wet Season according to the WebWIMP H2O Balance (WebWIMP) and in a Moderate Wetness period according to the Palmer Drought Severity Index (PDSI). On the Corps site visit on August 25, 2020, the APT condition was drier than normal, the WebWIMP was Dry Season, and the PDSI was Mild Wetness. There was no water present in this channel on the Corps site visit.
Ditch D	517	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	Ditch D was constructed to drain North Orchard Road. Ditch D is straight with little aquatic habitat and on the portion along the road it is vegetated across with herbaceous plants. This ditch is ephemeral.
Ditch E	474	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	Ditch E was constructed adjacent to a railroad berm (railroad no longer present). Ditch E is straight and has mostly smaller substrate types, and little aquatic habitat. The ditch is ephemeral.
Wetland A	0.019	acre(s)	(b)(1) Non-adjacent wetland.	The closest jurisdictional stream is Stream 1 which is approximately 30 linear feet away. Wetland A extends off-site to the south. The entire perimeter was observed and Stream 2



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Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size		Exclusion ⁵	Rationale for Exclusion Determination
				<p>drains the wetland to Stream 1. Stream 2 is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland A is a non-adjacent wetland.</p>
Wetland C	0.012	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 400 linear feet away. Wetland C extends off-site to the south. The entire perimeter was observed and Stream 3 drains the wetland to Gordon Creek. Stream 3 is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity .</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland C is a non-adjacent wetland.</p>
Wetland D	0.022	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 75 linear feet away. Wetland D is entirely on-site. The entire perimeter was observed and Stream 3 drains the wetland to Gordon Creek. Stream 3 is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the</p>



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Excluded waters ((b)(1) – (b)(12)): ⁴			
Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination
			wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland D is a non-adjacent wetland.
Wetland E	0.019	acre(s)	<p>(b)(1) Non-adjacent wetland.</p> <p>The closest jurisdictional stream is Stream 1 which is approximately 200 linear feet away. Wetland E is entirely on-site. The entire perimeter was observed and there are no connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland E is a non-adjacent wetland.</p>
Wetland F	0.05	acre(s)	<p>(b)(1) Non-adjacent wetland.</p> <p>The closest jurisdictional stream is Stream 1 which is approximately 500 linear feet away. Wetland F is entirely on-site. The entire perimeter was observed and Wetland F is connected to Stream 4. Stream 4 is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland F is a non-adjacent wetland.</p>



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Wetland G	0.006	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 700 linear feet away. Wetland G is entirely on-site. The entire perimeter was observed and Wetland G is connected to Stream 5. Stream 5 is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland G is a non-adjacent wetland.</p>
Wetland H	0.015	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 1000 linear feet away. Wetland H is entirely on-site. The entire perimeter was observed and Wetland H is connected to Stream B and Stream C. Stream B and Stream C are ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland H is a non-adjacent wetland.</p>
Wetland I	0.004	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 1100 linear feet away. Wetland I extends off-site to the east. The entire perimeter was observed and Wetland I is connected to Ditch D. Ditch D is a ditch and non-jurisdictional. There are no other connections to</p>



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Excluded waters ((b)(1) – (b)(12)): ⁴			
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			<p>any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland I is a non-adjacent wetland.</p>
Wetland J	0.008	acre(s)	<p>(b)(1) Non-adjacent wetland.</p> <p>The closest jurisdictional stream is Stream 1 which is approximately 1100 linear feet away. Wetland J is entirely on-site. The entire perimeter was observed and Wetland J is connected to Ditch D. Ditch D is a ditch and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland J is a non-adjacent wetland.</p>
Wetland K	0.023	acre(s)	<p>(b)(1) Non-adjacent wetland.</p> <p>The closest jurisdictional stream is Stream 1 which is approximately 1100 linear feet away. Wetland K is entirely on-site. The entire perimeter was observed and Wetland K is connected to Ditch D. Ditch D is an ephemeral ditch and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding</p>



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				by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland K is a non-adjacent wetland.
Wetland L	0.048	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 1100 linear feet away. Wetland L is entirely on-site. The entire perimeter was observed and Wetland L is connected to Stream C. Stream C is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland L is a non-adjacent wetland.</p>
Wetland M	0.028	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 1400 linear feet away. Wetland M is entirely on-site. The entire perimeter was observed and there are no connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland M is a non-adjacent wetland.</p>
Wetland N	0.23	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 1500 linear feet away. Wetland N is entirely on-site. The entire perimeter was observed and Wetland N is</p>



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Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size		Exclusion ⁵	Rationale for Exclusion Determination
				<p>connected to Stream E and Stream G. These streams are ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland N is a non-adjacent wetland.</p>
Wetland O	0.11	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 1600 linear feet away. Wetland O extends off-site to the south. The entire perimeter was observed and Wetland O is connected to Stream G. This stream is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland O is a non-adjacent wetland.</p>
Wetland P	.009	acre(s)	(b)(1) Non-adjacent wetland.	<p>The closest jurisdictional stream is Stream 1 which is approximately 1600 linear feet away. Wetland P is entirely on-site. The entire perimeter was observed and Wetland P is connected to Stream G. This stream is ephemeral and non-jurisdictional. There are no other connections to any swales, ditches, streams or other wetlands nor were there any natural berms or barriers or artificial structure/features observed in the vicinity.</p> <p>Based on the supporting information, the</p>



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Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination	
			wetland does not abut an (a)(1) through (a)(3) water, nor is the wetland inundated by flooding by an (a)(1) through (a)(3) water, is not separated from an (a)(1) through (a)(3) water via a natural berm or barrier, and is not separated from an a(1)-(a)(3) water via an artificial structure/feature. Therefore Wetland P is a non-adjacent wetland.	
N/A.	N/A.	N/A.	N/A.	N/A.

III. SUPPORTING INFORMATION

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

- Information submitted by, or on behalf of, the applicant/consultant: [Wetland and Watercourse Delineation Report \(BL Companies, 1/15/2020\)](#)
This information is sufficient for purposes of this AJD.
Rationale: [N/A](#)
- Data sheets prepared by the Corps: [Title\(s\) and/or date\(s\)](#).
- Photographs: [Aerial: Wetland and Watercourse Delineation Report \(BL Companies, 1/15/2020\)](#), [Google Earth aerial photographs \(4/20/1994, 12/31/1999, 2/28/2006, 4/6/2012\)](#), [HistoricAerials.com \(1970, 1952\)](#), [ORM2 map with NWI layer \(no date\)](#), [CONNECTExplorer \(4/2/2018\)](#)
- Corps site visit(s) conducted on: [8/25/2020](#)
- Previous Jurisdictional Determinations (AJDs or PJDs): [ORM Number\(s\) and date\(s\)](#).
- Antecedent Precipitation Tool: [provide detailed discussion in Section III.B.](#)
- USDA NRCS Soil Survey: [Web Soil Survey \(accessed on 11/24/2020\)](#), [Soil Survey of Lake County \(issued June 1991\)](#)
- USFWS NWI maps: [ORM2 \(undated\)](#)
- USGS topographic maps: [HistoricAerials.com \(2016, 1997, 1981, 1962, 1948\)](#)

Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS Sources	N/A.
USDA Sources	N/A.
NOAA Sources	N/A.
USACE Sources	N/A.
State/Local/Tribal Sources	N/A.
Other information (specify)	Historicmapworks.com, Concord Township, Little Mountain (1898, 1915, 192x, 1930) plat maps

B. Typical year assessment(s):

The Antecedent Precipitation Tool (APT) pulls precipitation data from NOAA's Daily Global Historical Climatology Network. The APT evaluates normal precipitation conditions based on the three 30-day periods preceding the observation date. For each period, a weighted condition value is assigned by determining whether the 30-day



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precipitation total falls within, above, or below the 70th and 30th percentiles for totals from the same date range over the preceding 30 years. The APT then makes a determination of "normal," "wetter than normal," or "drier than normal" based on the condition value sum. The APT also displays results generated via the Palmer Drought Severity Index and the University of Delaware WebWIMP.

APTs were run for the Google Earth Aerial photos and consultant and Corps site visits listed below. The APT results indicate various conditions: six years normal, 3 years drier than normal, and one year wetter than normal. Google Earth Aerial photos for the dates listed suggest no inundation to any of the non-jurisdictional wetlands from any a(1)-a(3) water. On the Corps/Consultant site visit, the conditions were drier than normal and just below the 30 year normal range with the immediate 30 days prior being dry according to the APT. The WebWIMP indicated dry season and the PDSI was mild wetness. The APTs for all but one of the Consultant site visits indicated normal conditions, with WebWIMP indicating wet season and the PDSI indicating wet season. On the consultant site visits, the 30-days prior was normal except for the 11/26/2019 which was dry. On all of the consultant site visits, the APTs were within the 30-year normal range. On the Corps/Consultant site visit, the APT was slightly below the 30-year normal range.

Latitude: 41.65184
Longitude: -81.23029

Date	PDSI Value	PDSI Class	Season	ARC Score	Antecedent Precip Condition	Relates to
4/20/1994	1.42	Mild wetness	Wet Season	12	Normal Conditions	Google Earth Aerial
12/31/1999	-2.42	Moderate drought	Wet Season	9	Drier than Normal	Google Earth Aerial
2/28/2006	-0.29	Normal	Wet Season	15	Wetter than Normal	Google Earth Aerial
4/6/2012	-1.64	Mild drought	Wet Season	13	Normal Conditions	Google Earth Aerial
11/26/2019	2.28	Moderate wetness	Wet Season	6	Drier than Normal	Consultant Site Visit
12/6/2019	2.38	Moderate wetness	Wet Season	11	Normal Conditions	Consultant Site Visit
12/8/2019	2.38	Moderate wetness	Wet Season	11	Normal Conditions	Consultant Site Visit
12/9/2019	2.38	Moderate wetness	Wet Season	11	Normal Conditions	Consultant Site Visit
12/16/2019	2.38	Moderate wetness	Wet Season	11	Normal Conditions	Consultant Site Visit
8/25/2020	1.31	Mild wetness	Dry Season	8	Drier than Normal	Corps/Consultant Site Visit

C. Additional comments to support AJD: The original delineation report identified seven ditches on the site: Ditch A, Ditch B, Ditch C, Ditch D, Ditch E, Ditch F, and Ditch G. All of these features were ephemeral. Upon further review, except for Ditch D and Ditch E, all were changed to streams. Of the ditches changed to streams, all exhibited stream characteristics such as bed and bank, abrupt change in plant communities, somewhat meandering channel, and litter and debris. Ditch D remained a ditch because it was a linear straight drainage feature constructed along the west side of North Orchard Road and Ditch E remained a ditch because it was a linear straight drainage feature constructed along the south side of the former railroad berm.