

#### 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): 24-NOV-2020 ORM Number: MVR-2020-01536-AM Associated JDs: N/A or ORM numbers and identifiers (e.g. HQS-2020-00001-MSW-MITSITE) Review Area Location<sup>1</sup>: State/Territory: IA City: County/Parish/Borough: Pottawattamie County

Center Coordinates of Review Area: Latitude 41.223867 Longitude -95.882222

#### 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)<sup>2</sup>

§ 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)<sup>3</sup>

(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
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	

#### Adjacent wetlands ((a)(4) waters):

(a)(4) Name	(a)(4) Size	(a)(4) Criteria	Rationale for (a)(4) Determination
N/A	N/A	N/A	N/A

 $^{1}$  Map(s)/Figure(s) are attached to the AJD provided to the requestor.

<sup>2</sup> 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.

<sup>3</sup> 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 independent 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. <sup>4</sup> 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.

<sup>5</sup> 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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#### D. Excluded Waters or Features

Excluded waters  $((b)(1) - (b)(12))^4$ :

Exclusion Name	Exclusion Size	Exclusion <sup>5</sup>	Rationale for Exclusion Determination
Wetland 1	0.26 acres	(b)(1) Non-adjacent wetland	This wetland has no direct or indirect hydrologic connection to a TNW
Wetland 2	4.89 acres	(b)(1) Non-adjacent wetland	This wetland has no direct or indirect hydrologic connection to a TNW
Wetland 3	0.26 acres	(b)(1) Non-adjacent wetland	This wetland has no direct or indirect hydrologic connection to a TNW
Wetland 4	0.05 acres	(b)(1) Non-adjacent wetland	This wetland has no direct or indirect hydrologic connection to a TNW
Wetland 5	1.92 acres	(b)(1) Non-adjacent wetland	This wetland has no direct or indirect hydrologic connection to a TNW

#### 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.
  - **\_X\_** Information submitted by, or on behalf of, the applicant/consultant: *Application, October 2020* This information *is* sufficient for purposes of this AJD.
  - \_\_\_\_ Data sheets prepared by the Corps: Title(s) and/or date(s).
  - **\_X** Photographs: Regulatory Viewer Aerial photograph with NWI and NHW Layers, November 2020; Site Visit photographs, November 18, 2020.
  - **\_X** Corps Site visit(s) conducted on: *November 18, 2020.*
  - Previous Jurisdictional Determinations (AJDs or PJDs): ORM Number(s) and date(s). Antecedent Precipitation Tool: provide detailed discussion in Section III.B.
  - X USDA NRCS Soil Survey: Websoil Survey website, November 2020
  - **X**\_ USFWS NWI maps: Regulatory Viewer Aerial photograph with NWI and NHW Layers, November 2020.
  - \_\_\_\_ USGS topographic maps: Included in application

#### 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	Regulatory Viewer LIDAR map with NWI and NHW Layers, November 2020.
State/Local/Tribal Sources	N/A.
Other Sources	US Drought Monitor, Nov 2020

# **B. Typical year assessment(s):** The US Drought Monitor shows Pottawattamie County in a moderate drought.

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C. Additional comments to support AJD: The waters on site have no direct or indirect hydrologic connection to a TNW. This area is in a drought but there are no flow paths that have dried up and no connections that would've been affected by this drought. A site visit was conducted as aerials indicated the possibility of a linear aquatic feature or a fence line. The northern portion was purely a fence line, and then the fence turned west and there was a linear feature but it had no evidence of OHWM. Photographs of the linear feature and fence line are attached.

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# Map released: Thurs. November 12, 2020

Data valid: November 10, 2020 at 7 a.m. EST



Richard Tinker, NOAA/NWS/NCEP/CPC



USDA Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey 11/6/2020 Page 1 of 5



## Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
146	Onawa silty clay, 0 to 2 percent slopes	5	18.8	32.0%
156	Albaton silty clay, 0 to 2 percent slopes, occasionally flooded	90	13.9	23.7%
515	Percival silty clay, 0 to 2 percent slopes	5	26.0	44.3%
Totals for Area of Intere	st	58.8	100.0%	

## Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

#### References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States. Federal Register. September 18, 2002. Hydric soils of the United States. Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

### **Rating Options**

Aggregation Method: Percent Present Component Percent Cutoff: None Specified Tie-break Rule: Lower

