

DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM¹
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): January 27, 2022

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Rock Island District, Poppema-Sikma Construction, MVR-2021-1663

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Iowa County/parish/borough: O'Brien County City:
Center coordinates of site (lat/long in degree decimal format): Lat. 43.2017 °, Long. -95.8218 °
Universal Transverse Mercator: NAD 83

Name of nearest waterbody: Floyd River

Name of watershed or Hydrologic Unit Code (HUC): HUC12: Engels Creek-Floyd River - 102300020303

- ☒ Check if map/diagram of review area is 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: January 27, 2022
- ☐ Field Determination. Date(s):

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.

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.

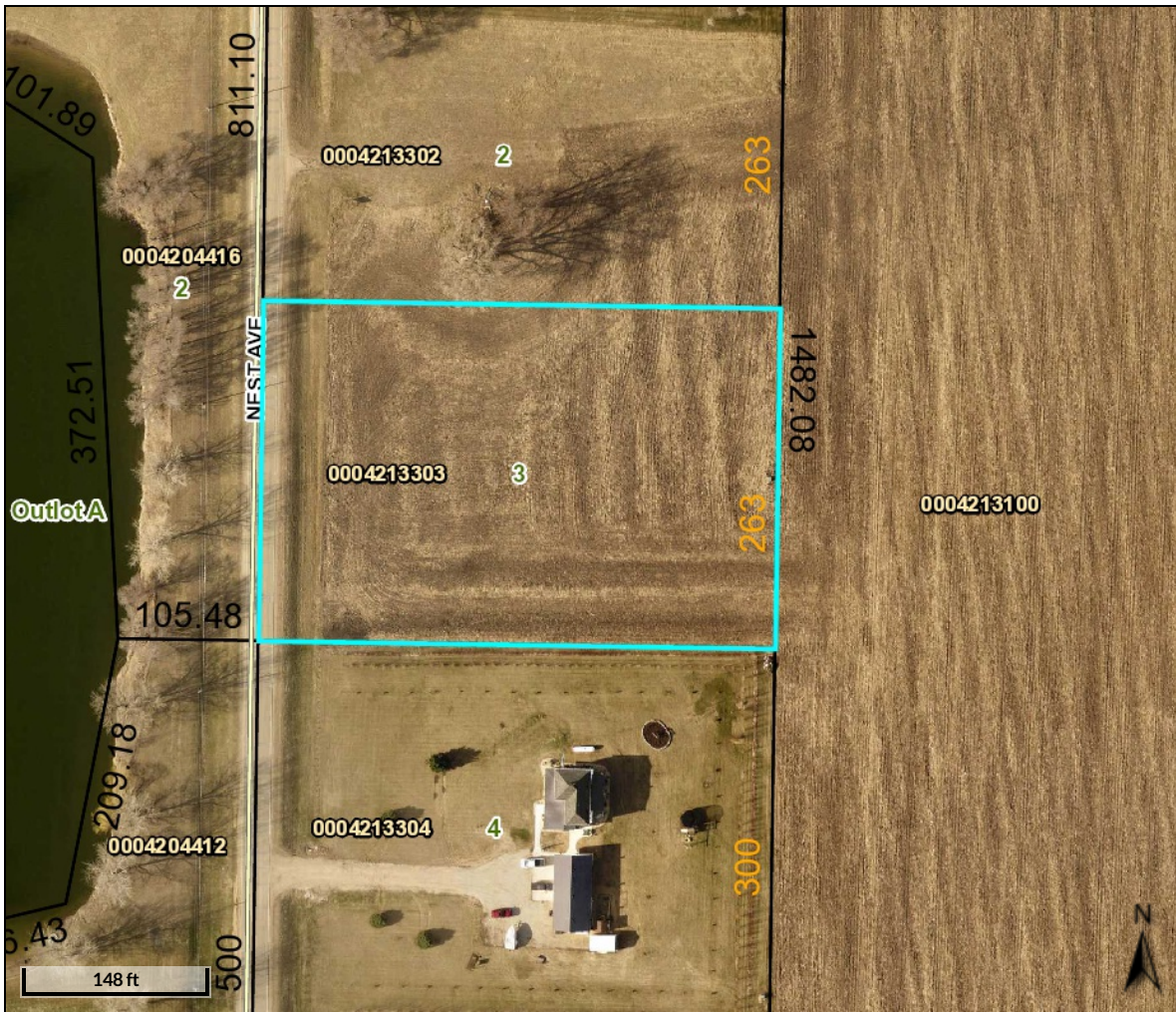
SECTION III: DATA SOURCES.

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):

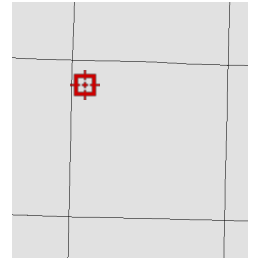
- ☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Joint Application and project Plans, December 2021
- ☐ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- ☐ Office concurs with data sheets/delineation report.
- ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps:
- ☒ U.S. Geological Survey Hydrologic Atlas: Regulatory Viewer with NHD layer, map printed January 2022
- ☒ USGS NHD data.
- ☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s). Cite scale & quad name: Regulatory viewer with topographic layer, map printed January 2022
- ☒ USDA Natural Resources Conservation Service Soil Survey. Citation: Web Soil Survey, map printed January 2022
- ☒ National wetlands inventory map(s). Cite name: NWI Mapper, map printed January 2022
- ☐ State/Local wetland inventory map(s):
- ☐ FEMA/FIRM maps:
- ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): Regulatory Viewer with aerial layer, map printed January 2022
- ☐ or ☒ Other (Name & Date): Regulatory Viewer with hillshade and LIDAR layers, map printed January 2022
- ☐ Previous determination(s). File no. and date of response letter:
- ☐ Applicable/supporting case law:
- ☐ Applicable/supporting scientific literature:
- ☐ Other information (please specify):

B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: This area is a 2.11 acre site, that has been actively farmed. There are no waters on the NDH, topo, or NWI layers, The hillshade and LIDAR layers do not show any indication of waters being on this site. There are mapped hydric soils but all other maps show that this area is all uplands.

¹ This form is for use only in recording approved JDs involving dry land. It extracts the relevant elements of the longer approved JD form in use since 2007 for aquatic areas and adds no new fields.



Overview



Legend

- AJD Area
- Parcels
- Lots
- Roads
- Blocks
- Corporate Limits

Parcel ID 0004213303
 Sec/Twp/Rng 21-97-42
 Property Address 3080 NEST AVE
 SHELDON

Alternate ID n/a
 Class A
 Acreage 2.11

Owner Address VANKEKERIX, KENNETH L
 3080 NEST AVE
 SHELDON, IA 51201

District 15040
 Brief Tax Description 21-97-42 RUSTIC RIDGE ADD LOT 3

(Note: Not to be used on legal documents)

Date created: 8/26/2021
 Last Data Uploaded: 8/26/2021 2:10:03 AM

Developed by  Schneider
 GEOSPATIAL

MVR-2021-1663, AJD Area
 Dated: January 27, 2022

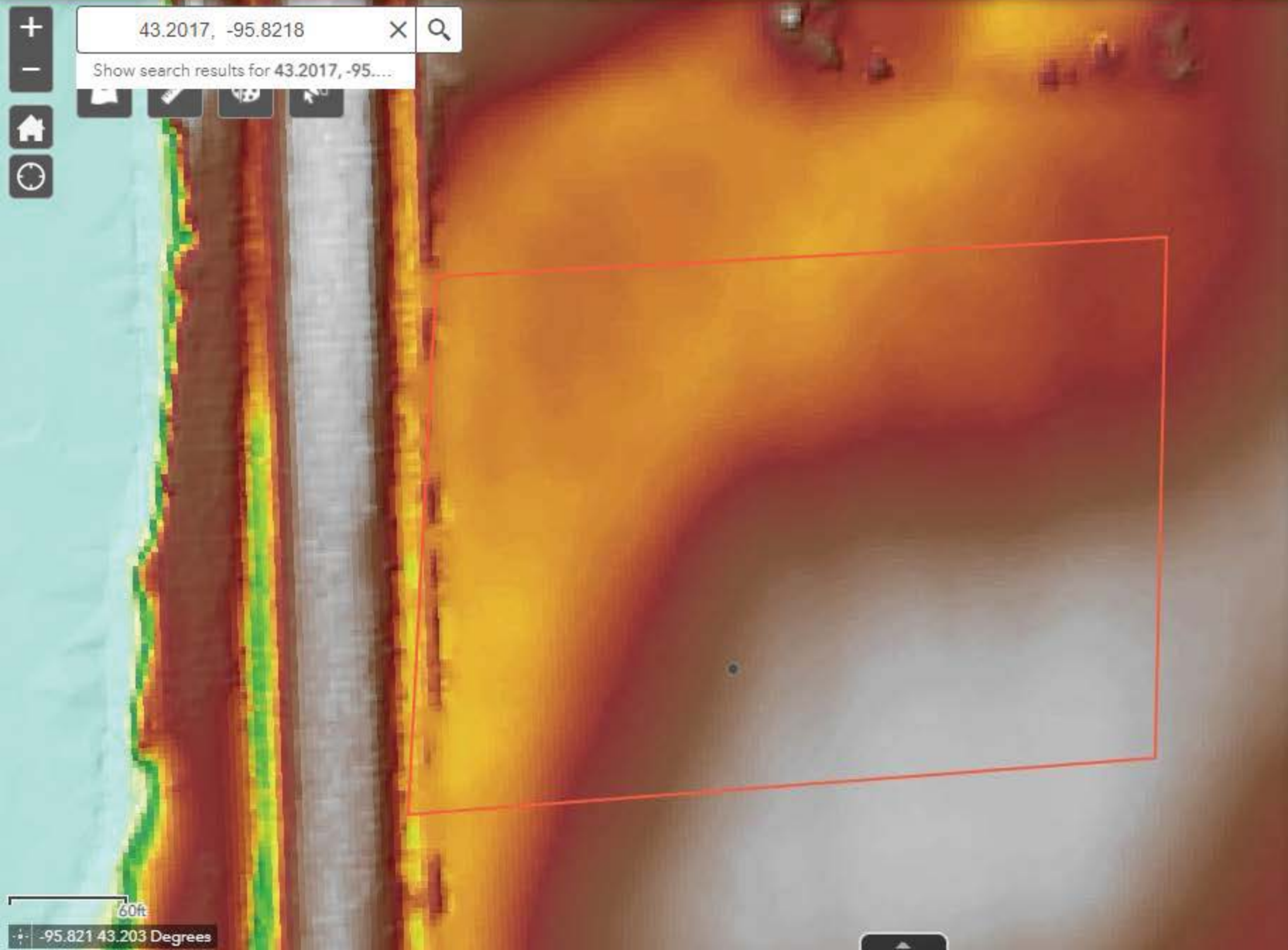
- Regulatory Viewer
- Regulatory Map
- Compliance Viewer
- IPaC
- I-Sites
- Mitigation Banking
- IL IAS

Rock Island District Regulatory Viewer



43.2017, -95.8218

Show search results for 43.2017, -95....



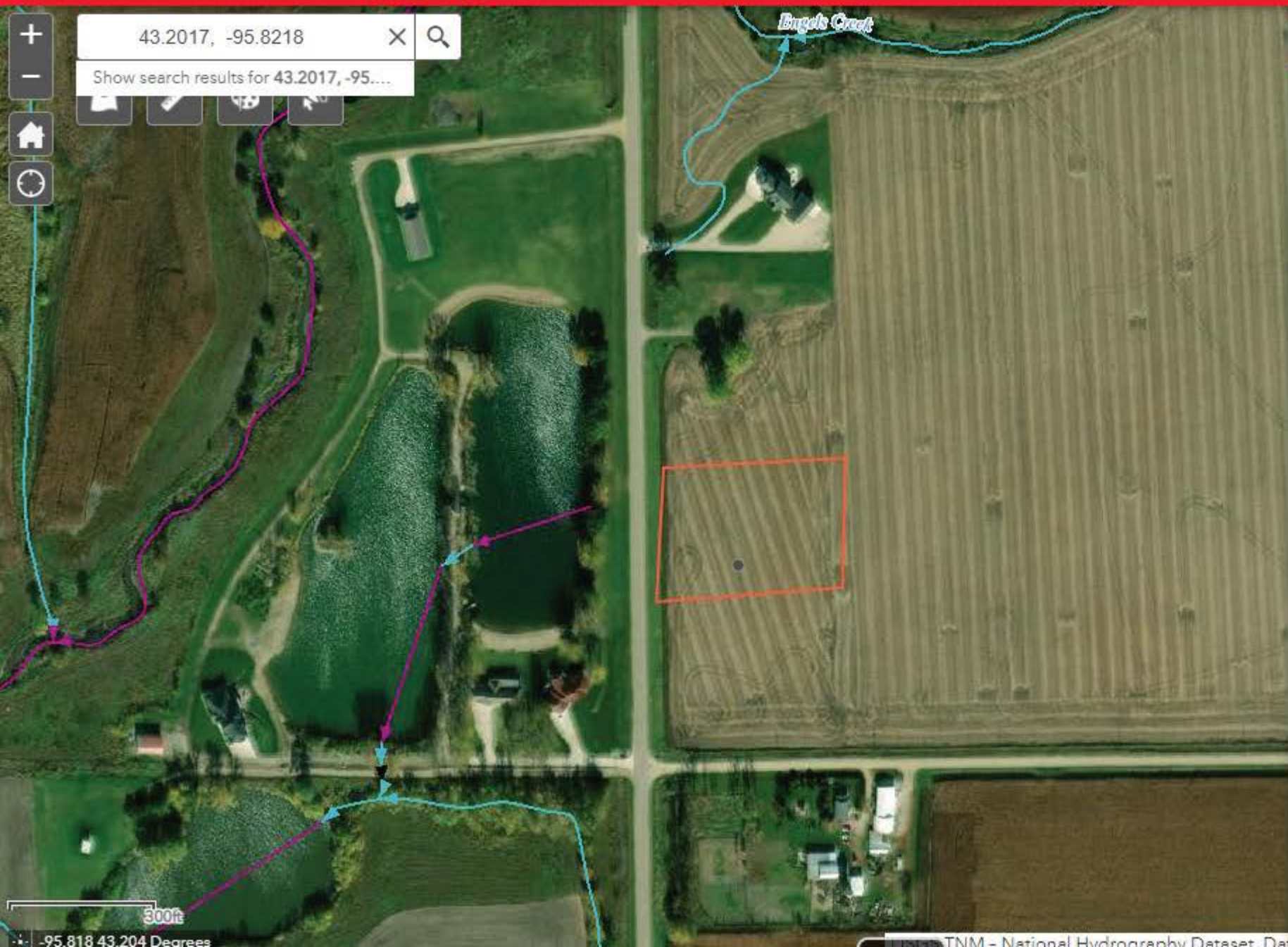
Layer List

- ☐ IA naip 2011 nc (External Web GIS Service) ...
- ☐ IA naip 2013 cir (External Web GIS Service) ...
- ☐ IA naip 2013 nc (External Web GIS Service) ...
- ☐ IA naip 2014 cir (External Web GIS Service) ...
- ☐ IA naip 2014 nc (External Web GIS Service) ...
- ☐ IA naip 2017 cir (External Web GIS Service) ...
- ☐ IA naip 2017 nc (External Web GIS Service) ...
- ☐ MVR_NAIP_2017 ...
- ☐ Photo Dates (External Web GIS Service) ...
- ☐ MVR Quad Maps ...
- ☒ IA LiDAR DEM 1m NAVD88 ft ...
- ☒ IA LiDAR DEM 1m hillshade ...
- ☐ IA LiDAR DEM 3m NAVD88 ft ...
- ☐ IA LiDAR DEM 3m hillshade ...
- ☐ IL_LiDAR_DEM_1m_NAVD88_ft ...
- ☐ IL_LiDAR_DEM_1m_hillshade ...

60ft

-95.821 43.203 Degrees

Rock Island District Regulatory Viewer



Layer List

- ☐ NLD - Rehabilitations (External Web GIS Service) ...
- ☐ NLD - Relief Wells - (External Web GIS Service) ...
- ☐ NLD - Toe Drains (External Web GIS Service) ...
- ☐ USACE_Boundaries - USACE Districts ...
- ☐ MVR Counties ...
- ☐ Roads ...
- ☐ Localities for Reg Viewer ...
- ☐ PLSS ...
- ☐ PADUS (External Web GIS Service) ...
- ☐ Real Estate for Reg Viewer ...
- ☒ National Hydrography Dataset (NHD) (External Web GIS Service) ...
- ☐ Watersheds (External Web GIS Service) ...
- ☐ Section 10 Waters ...
- ☐ IA ortho 1930 (External Web GIS Service) ...
- ☐ IA ortho 1950 (External Web GIS Service) ...
- ☐ IA ortho 1960 (External Web GIS Service) ...

- Regulatory Viewer
- Regulatory Map
- Compliance Viewer
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Rock Island District Regulatory Viewer



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 - ☐ IL_LiDAR_DEM_1m_hillshade ...

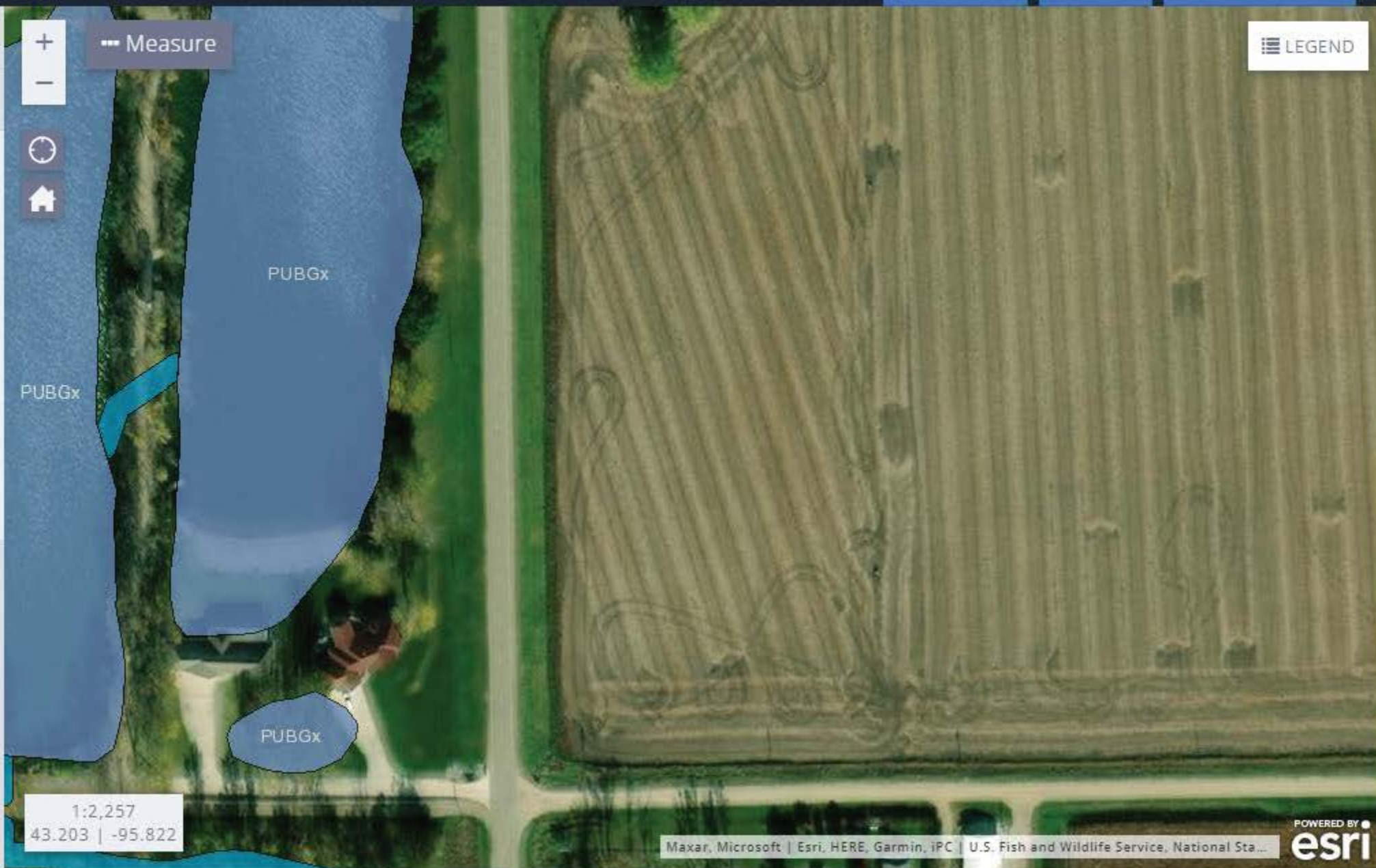


National Wetlands Inventory

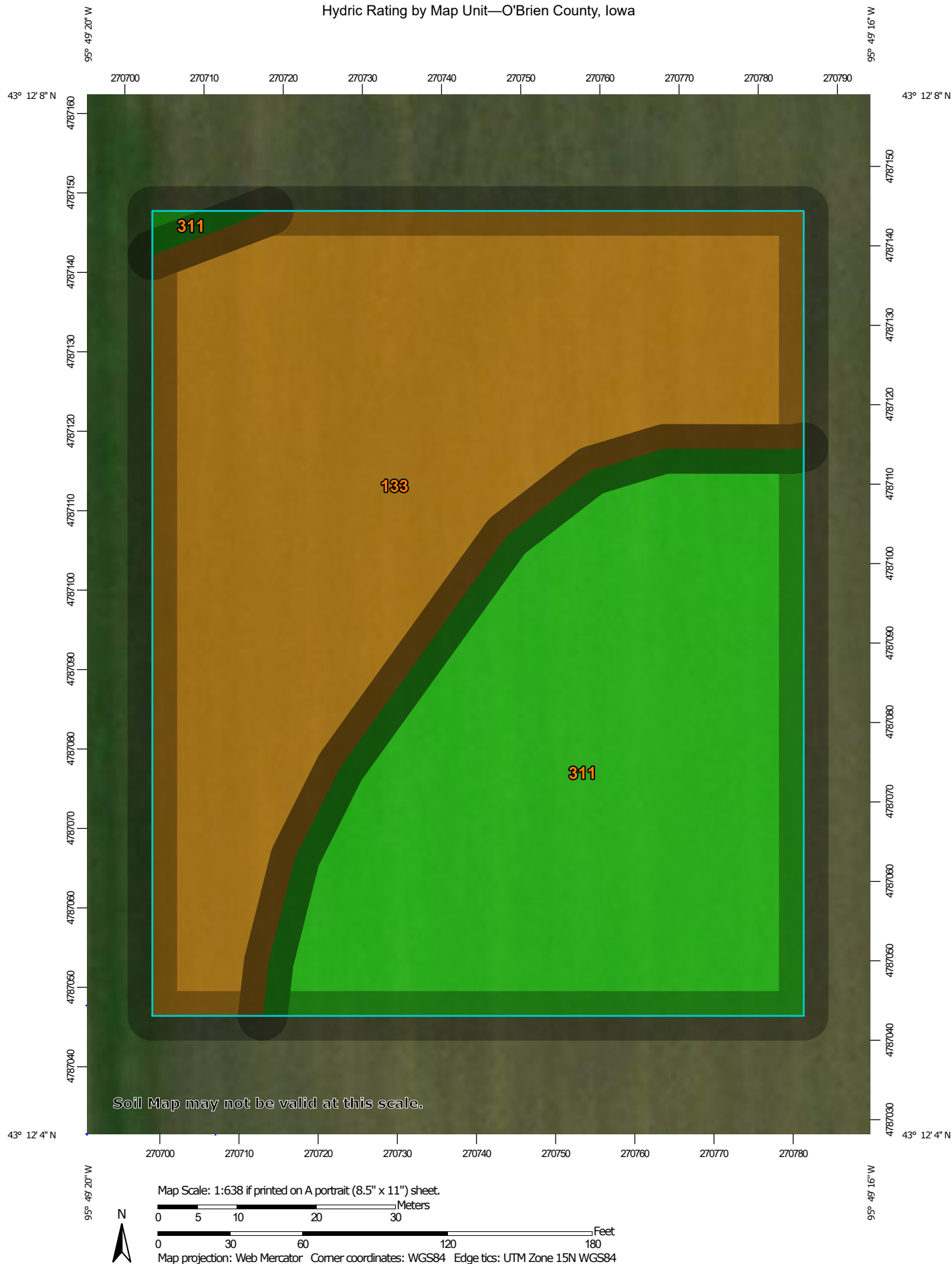
surface waters and wetlands

[ABOUT](#)[GET DATA](#)[PRINT](#)[FIND LOCATION](#)[BASEMAPS >](#)[MAP LAYERS >](#)

- ☒ Wetlands ⓘ ⓘ
- ☒ Riparian ⓘ ⓘ
- ☐ Riparian Mapping Areas ⓘ ⓘ
- ☒ Data Source ⓘ ⓘ
 - ☐ Source Type
 - ☐ Image Scale
 - ☐ Image Year
- ☐ Areas of Interest ⓘ
- ☐ PWS Managed Lands ⓘ ⓘ
- ☐ Historic Wetland Data ⓘ ⓘ


[Measure](#)[LEGEND](#)

Hydric Rating by Map Unit—O'Brien County, Iowa









MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils







Soil Rating Polygons

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available


Soil Rating Lines

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available





Soil Rating Points

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: O'Brien County, Iowa
Survey Area Data: Version 26, Sep 15, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 13, 2013—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
133	Colo silty clay loam, deep loess, 0 to 2 percent slopes, occasionally flooded	95	1.1	54.6%
311	Galva silty clay loam, stratified substratum, 0 to 2 percent slopes	0	0.9	45.4%
Totals for Area of Interest			2.1	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, 2006) and in the "Soil Survey Manual" (Soil Survey Division 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