

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): September 22, 2021

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: MVR-2020-1612

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Iowa County/parish/borough: Winneshiek City:
Center coordinates of site (lat/long in degree decimal format): Lat. 42.155212 °, Long. -92.005053 °
Universal Transverse Mercator: [Click here to enter text.](#)

Name of nearest waterbody: Turkey River

Name of watershed or Hydrologic Unit Code (HUC): HUC 12 - Rogers Creek

- ☒ 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: September 22, 2021
- ☐ Field Determination. Date(s): [Click here to enter a date.](#)

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):

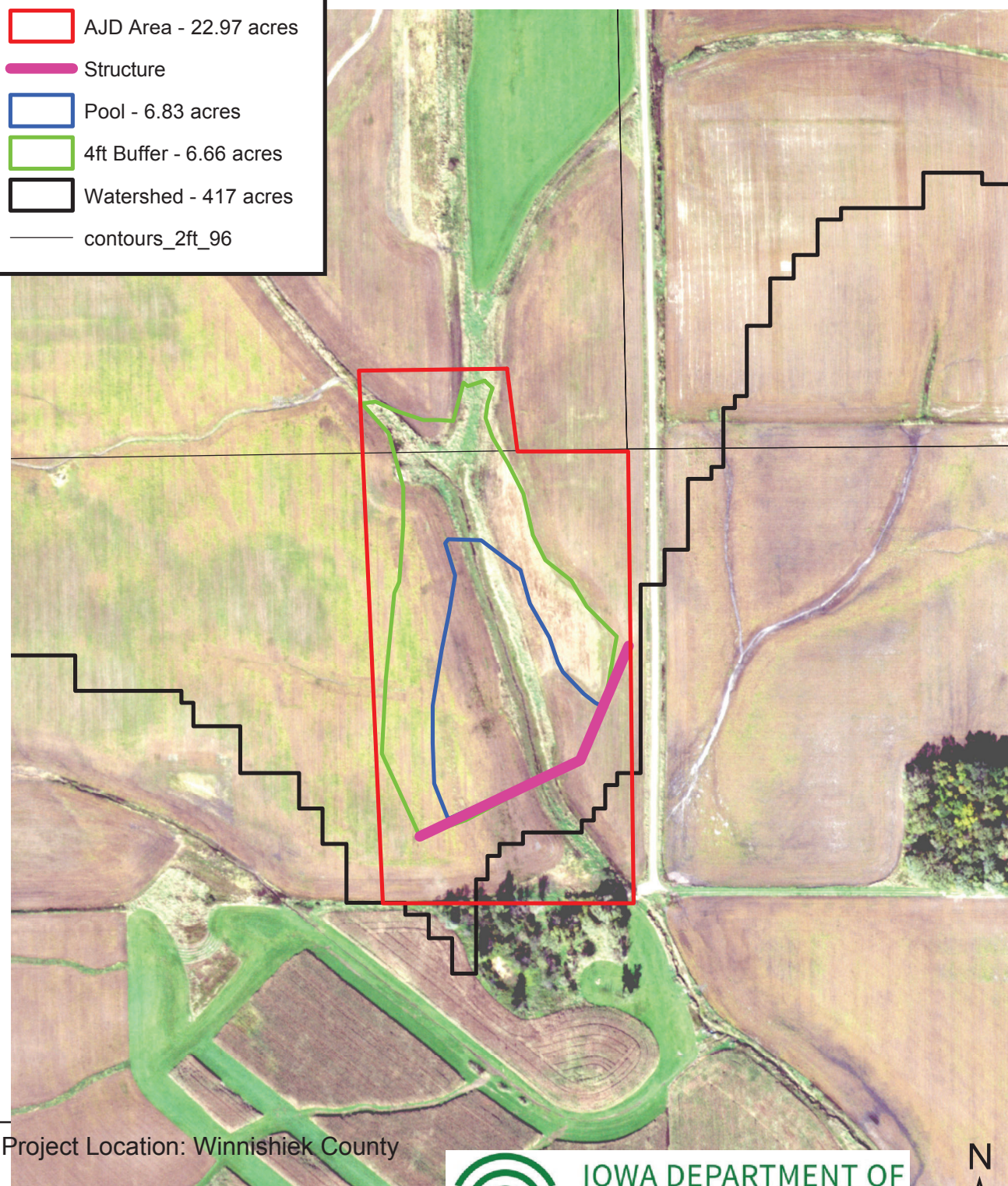
- ☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: NRCS Wetland Determination, July 8, 2019
- ☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- ☒ Office concurs with data sheets/delineation report.
- ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps: [Click here to enter text.](#)
- ☒ U.S. Geological Survey Hydrologic Atlas: Regulatory Viewer with NHD layer, Jan 2021
- ☒ USGS NHD data.
- ☐ USGS 8 and 12 digit HUC maps.
- ☐ U.S. Geological Survey map(s). Cite scale & quad name: [Click here to enter text.](#)
- ☒ USDA Natural Resources Conservation Service Soil Survey. Citation: Web Soil Survey, Sept 2021
- ☒ National wetlands inventory map(s). Cite name: Regulatory Viewer with NWI Layer, Jan 2021
- ☐ State/Local wetland inventory map(s): [Click here to enter text.](#)
- ☐ 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): [Click here to enter text.](#)
- ☐ or ☐ Other (Name & Date): [Click here to enter text.](#)
- ☐ Previous determination(s). File no. and date of response letter: [Click here to enter text.](#)
- ☐ 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. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: The NRCS conducted a wetland determination and found no wetlands in this area. The Corps previously looked at this area, in Jan 2021, and made a determination that there were no streams in the area, but no JD at that time was issued. There is a mapped stream in this project area, but a review of aerials shows that this is a grassed waterway, not a stream.

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.

Conceptual WQI Wetland (Win961010A)

- AJD Area - 22.97 acres
- Structure
- Pool - 6.83 acres
- 4ft Buffer - 6.66 acres
- Watershed - 417 acres
- contours_2ft_96



Project Location: Winnishiek County

Note: This assessment is based on information available remotely and a site visit may not have occurred. A field survey is required prior to final determination of WQI eligibility.



IOWA DEPARTMENT OF
**AGRICULTURE &
LAND STEWARDSHIP**



Airphoto 2019 NAIP

Plan View Scale
1:5,000

Certified Wetland Determination Map



Landowner: Duane Einwalter

Tract & Farm #: T-6629 F-4754

Civil Township & Sec.: Jackson 3

Certified By: Angie Mohs, WS

Map Creation Date: 7/8/19

Determination Office: Elkader FO

This Determination is valid for the area within the Dashed Red Line or Solid Blue Line (Determination Boundary)



Non Wetlands &
Prior Converted Wetlands



Various Wetlands Types
(See Label within area)

Not Applicable



Not Inventoried

Wetland Codes

W Wetland

CW Converted Wetland

CW+yr Converted After 1990

FW Farmed Wetland

FWP Farmed Wetland Pasture

MIW Mitigation Exemption

NW Non Wetland

PC Prior Converted Cropland

1 inch = 610 feet

This certified wetland determination/delineation has been conducted for the purpose of implementing the Food Security Act of 1985 as amended. This determination may not be valid for identifying the extent of the United States Army Corps of Engineers Clean Water Act jurisdiction for this site. This determination may not be valid for work under the National Environmental Policy Act (NEPA). Any perennial flowing water with bed and banks is jurisdiction of the Army Corp of Engineers. If you intend to manipulate an area with perennial flowing water you will need to contact them at 309-794-5373.



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

Rock Island District Regulatory Viewer



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Home

Refresh

43.15303, -92.004164

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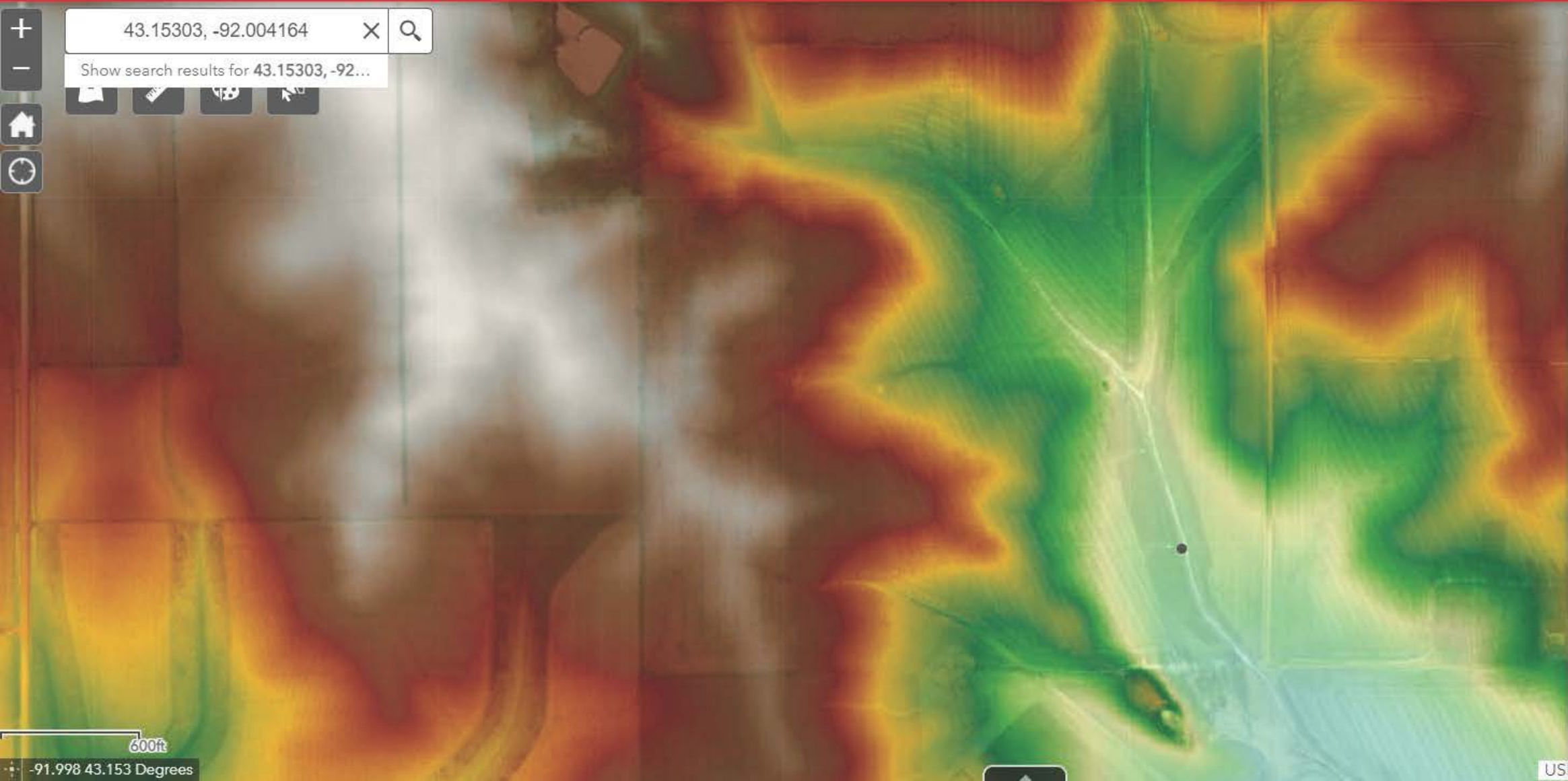
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Layers

Tools

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Imagery and Lidar

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- ☐ IA naip 2013 nc (External Web GIS Service) ...
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- ☐ 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 ...
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- Regulatory Viewer
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Rock Island District Regulatory Viewer



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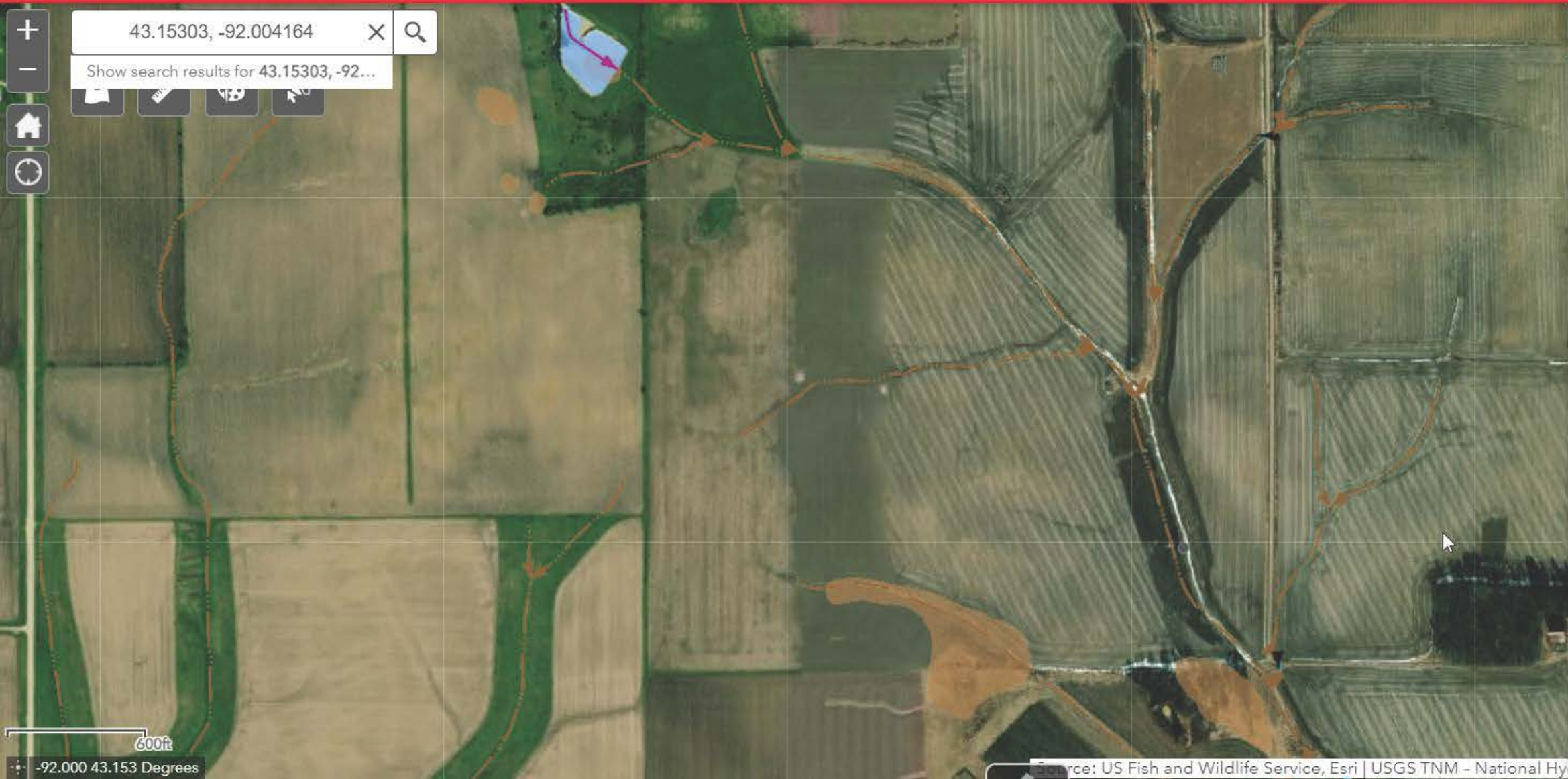
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- Layer List
- ☐

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
- ☒

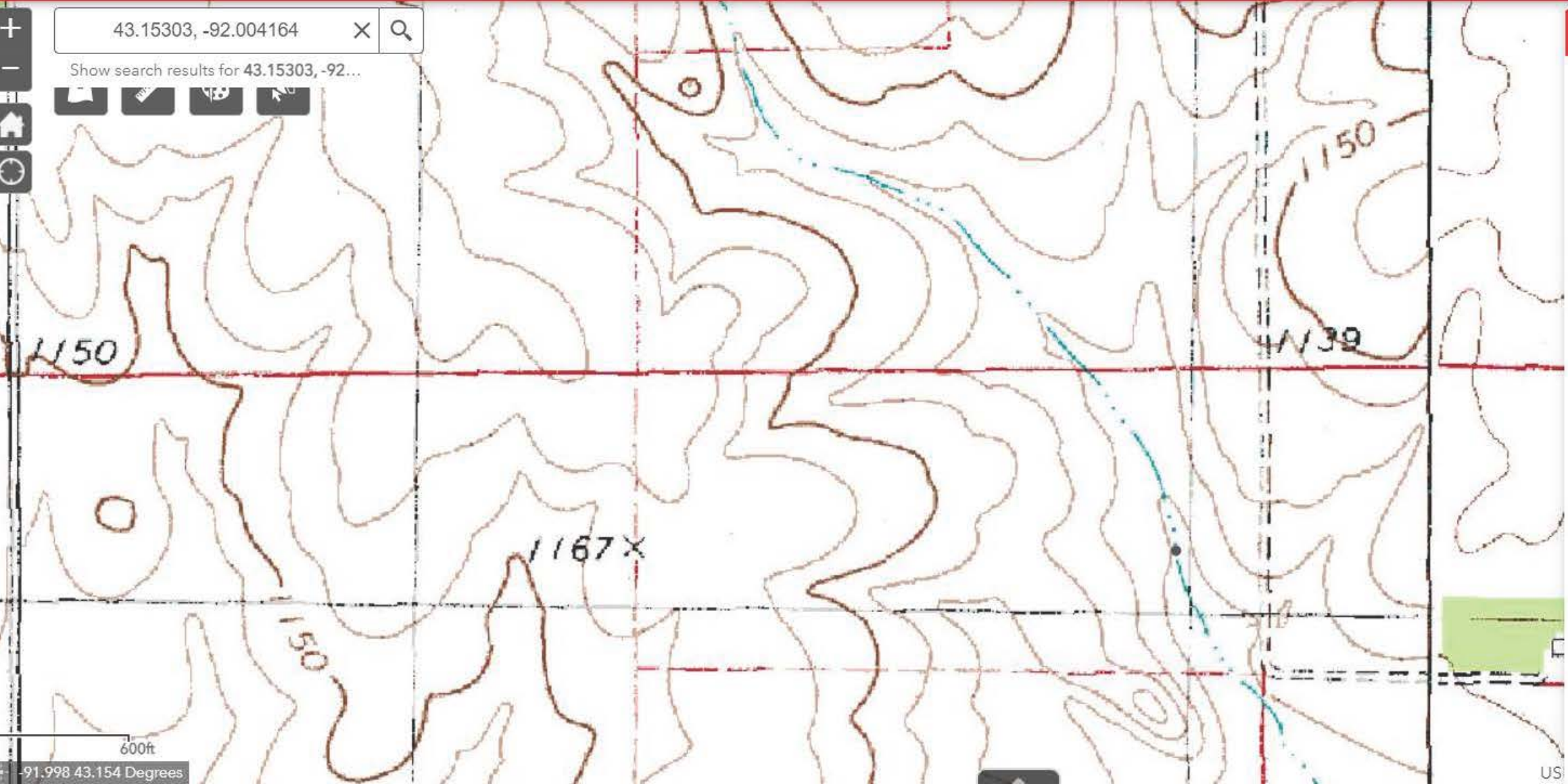
National Wetlands Inventory (External Web GIS Service)
- ☐

USA Soils Hydric Class (External Web GIS Service)
- ☐

USA Soils Map Units (External Web GIS Service)

- Regulatory Viewer
- Regulatory Map
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Rock Island District Regulatory Viewer



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Hydric Rating by Map Unit—Winneshiek 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 1:12,000.

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: Winneshiek County, Iowa
Survey Area Data: Version 29, Jun 10, 2020

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

Date(s) aerial images were photographed: Jun 7, 2014—Nov 28, 2016

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
84	Clyde silt loam, 0 to 3 percent slopes	85	10.5	40.4%
198B	Floyd loam, 1 to 4 percent slopes	5	7.0	27.1%
241B	Lilah-Dickinson complex, 2 to 5 percent slopes	0	3.1	12.0%
241C	Lilah-Dickinson complex, 5 to 9 percent slopes	0	2.7	10.4%
241D	Lilah-Dickinson complex, 9 to 14 percent slopes	0	0.7	2.7%
582B	Kasson loam, 2 to 5 percent slopes	0	1.8	6.9%
582C2	Kasson loam, 5 to 9 percent slopes, eroded	0	0.2	0.6%
Totals for Area of Interest			26.0	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