

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): July 28, 2022

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: CEMVR-RD-2022-1047: Matthew Julson

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Iowa County/parish/borough: Worth City: Northwood
Center coordinates of site (lat/long in degree decimal format): Lat. 41.4312 °, Long. -93.2253°
Universal Transverse Mercator: 15
Name of nearest waterbody: Shell Rock River
Name of watershed or Hydrologic Unit Code (HUC): 07080202

- ☒ 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: July 28, 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):

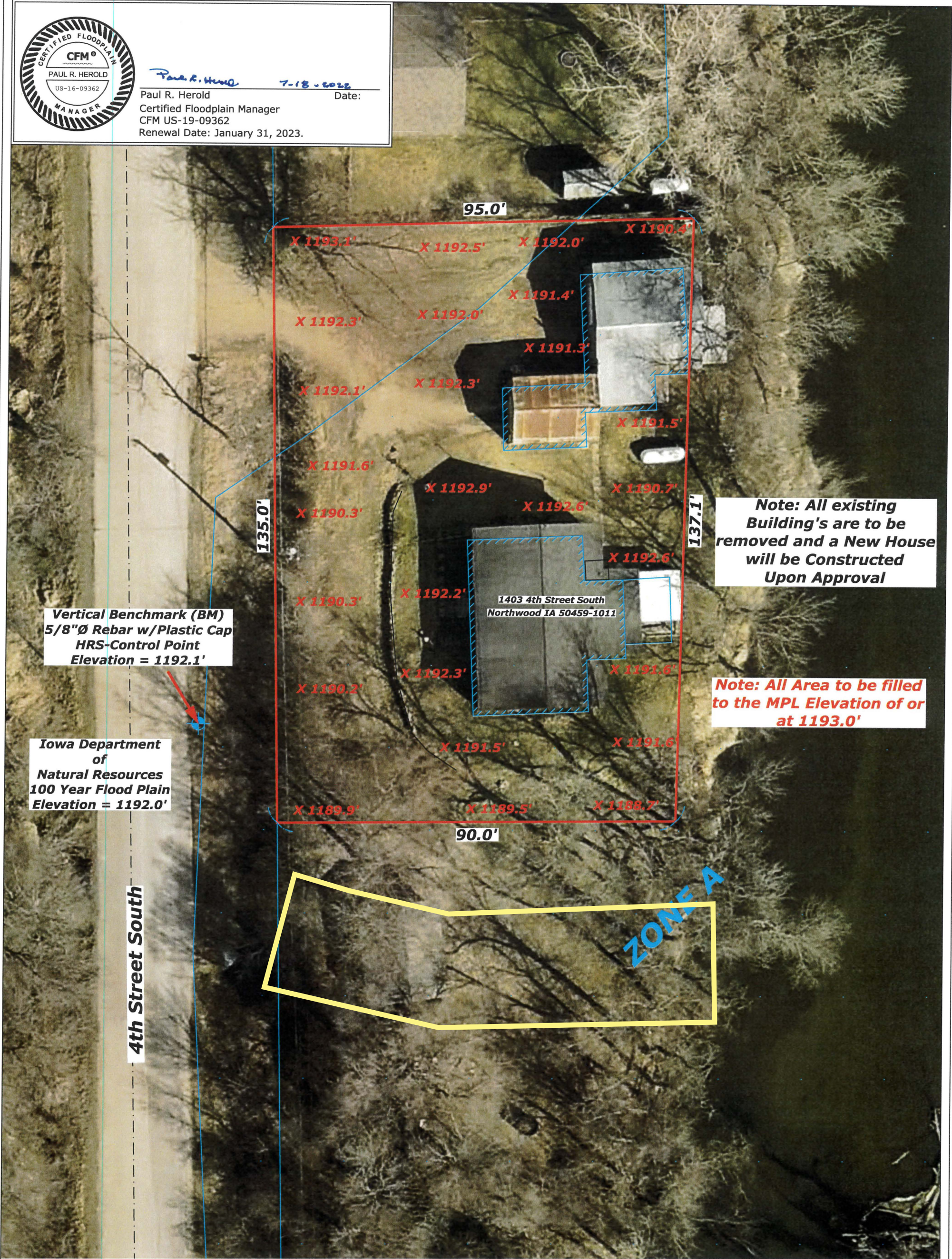
- ☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Matthew Julson and HRS, LLC
☐ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report.
☐ Data sheets prepared by the Corps:
☐ U.S. Geological Survey Hydrologic Atlas:
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☒ U.S. Geological Survey map(s). Cite scale & quad name: Google Earth Layer
☒ USDA Natural Resources Conservation Service Soil Survey. Citation: Google Earth Layer
☒ National wetlands inventory map(s). Cite name: Google Earth Layer
☐ State/Local wetland inventory map(s):
☐ FEMA/FIRM maps:
☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
☒ Photographs: ☒ Aerial (Name & Date): Google Earth and RegViewer
☐ or ☐ Other (Name & Date):
☐ Previous determination(s). File no. and date of response letter:
☐ Applicable/supporting case law:
☐ Applicable/supporting scientific literature:
☒ Other information (please specify): LiDAR

B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: The project area consists of a paved/concrete parking lot and building. There are no aquatic resources within the project area.

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.



Paul R. Herold 7-18-2022
Paul R. Herold Date:
Certified Floodplain Manager
CFM US-19-09362
Renewal Date: January 31, 2023.



Vertical Benchmark (BM)
5/8"Ø Rebar w/Plastic Cap
HRS-Control Point
Elevation = 1192.1'

Iowa Department
of
Natural Resources
100 Year Flood Plain
Elevation = 1192.0'

Note: All existing
Building's are to be
removed and a New House
will be Constructed
Upon Approval

Note: All Area to be filled
to the MPL Elevation of or
at 1193.0'



Scale - 1 inch = 20 ft.



I hereby certify that this land surveying document was prepared and the related survey work was performed by me or under my direct personal supervision and that I am a duly licensed Land Surveyor under the laws of the State of Iowa.

Paul R. Herold 7-18-2022
Paul R. Herold Date:
License number 15525
My license renewal date is December 31, 2022.
Sheets covered by this seal: Individual Sheet Only

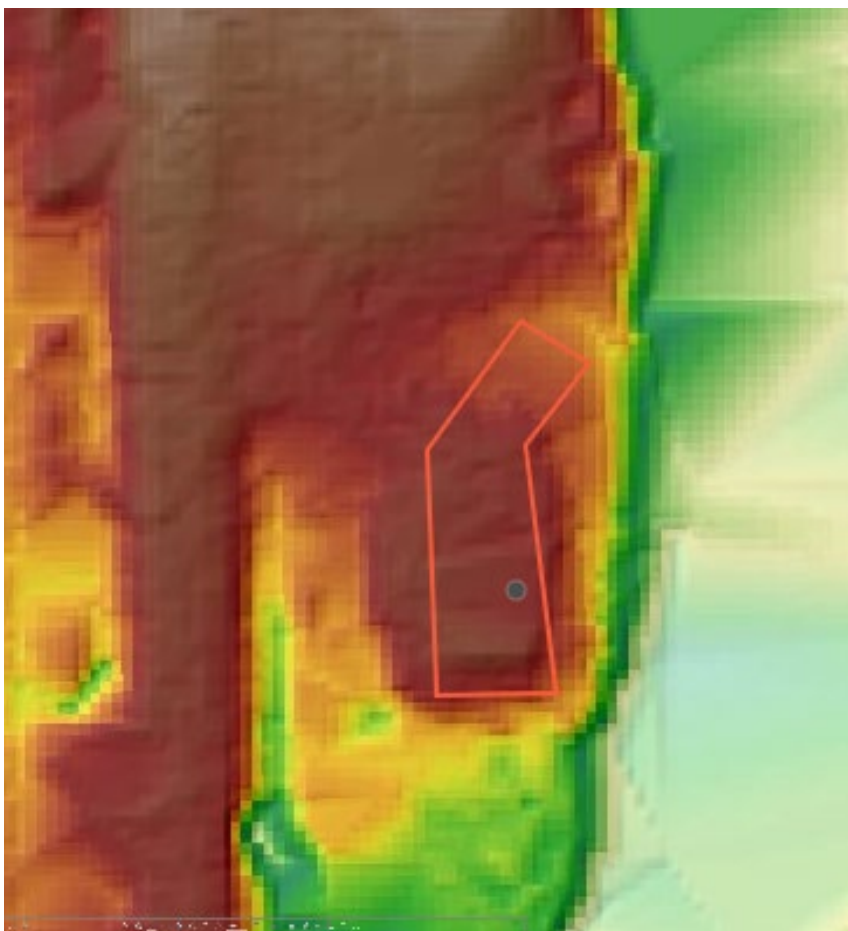
Project Number: 2022-334 Date: 7-18-2022
FEMA FIRM Map 19195C0065C
Effective Date August 2, 2012
FEMA - LOMA-F Request
Matthew Julson
1403 4th Street South
Northwood IA 50459-1011
HRS, LLC / Herold - Reicks - Surveying
10 East Main Street, New Hampton IA 50659
641-394-2725 www.hrsurveying.com Sheet 1



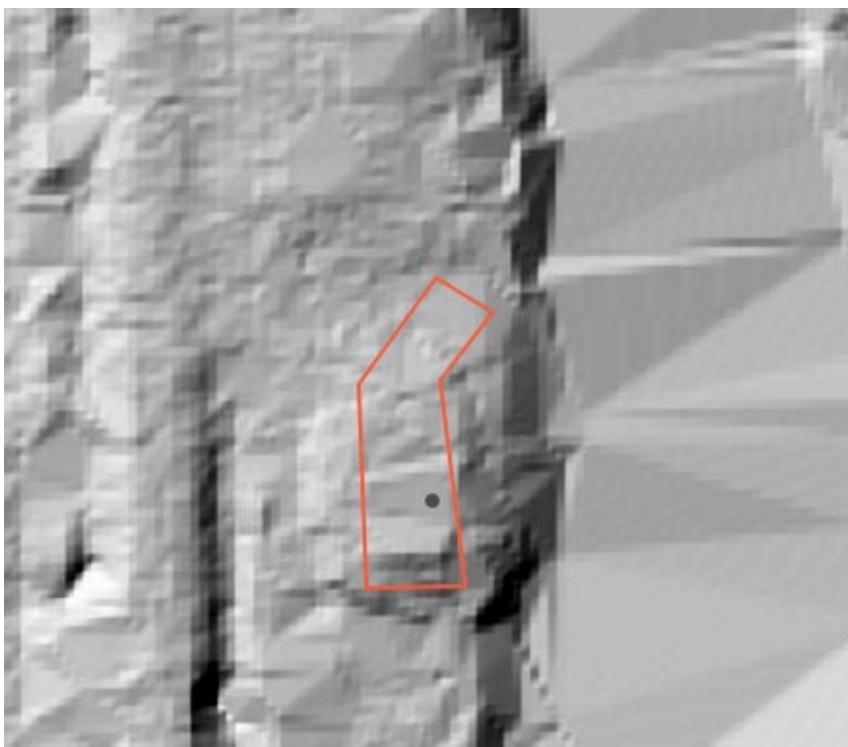
2022-1047: Matthew Julson @ 43.4312 -93.2253



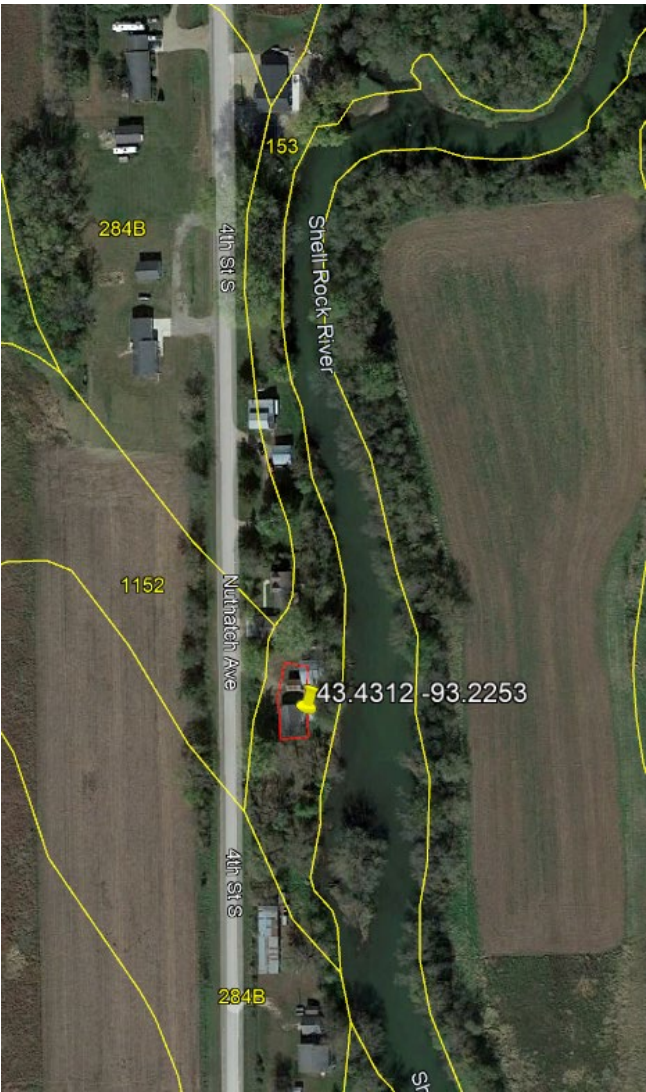
Oct 2021 Google Earth



LiDAR DEM 1m NAVD88ft and 1m hillshade



LiDAR DEM 1m hillshade



Map Unit Composition

Map units consist of 1 or more soil types, commonly referred to as "components".

Component Name	Geomorphic Position	Area Fraction	Component Type	Horizon Data
Soil Type 1 Shandep	stream terraces / Toeslope depressions / Toeslope	85%	Major Soil Type	YES
Soil Type 2 Endoaquolls, Calcareous surface	stream terraces / Toeslope	10%	Inclusion	YES
Soil Type 3 Lawler	stream terraces / Toeslope	5%	Inclusion	YES

Note: links to horizon data marked with an * are approximate.

Map Unit Data [What is a Map Unit?](#)

Cartographic information about this map unit.

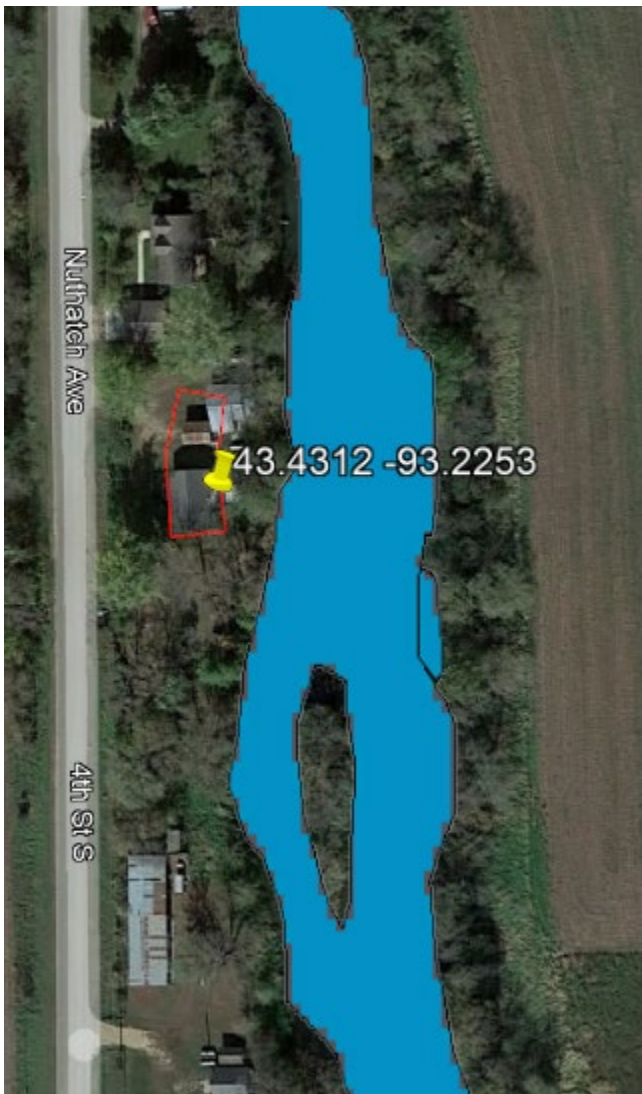
Map Unit Name:	Shandep clay loam, 0 to 1 percent slopes, occasionally flooded
Map Unit Type:	Consociation
Map Unit Symbol:	153
Map Unit Area:	1130 acres total in survey area
	Raw Map Unit Data
	Raw Component Data (All Components)

Map Unit Aggregated Data

Generalized soils information within this map unit.

Farmland Class:	Prime farmland if drained
Available Water Storage (0-100cm):	20.21 cm
Max Flood Freq:	Occasional
Drainage Class (Dominant Condition):	Very poorly drained
Drainage Class (Wettest Component):	Very poorly drained
Hydric Conditions:	95
[Annual] Min. Water Table Depth:	0 cm
[April-June] Min. Water Table Depth:	0 cm
Min Bedrock Depth:	n/a
	Raw Aggregated Map Unit Data

2022-1047: Matthew Julson @ 43.4312 -93.2253



USFWS NWI



A home and driveway has existed at the site since 1980