


**DETERMINATION OF LEVEL OF REVIEW
ENVIRONMENTAL REVIEW RECORD**
Project Name: City of Casey Water Main Replacement
CDBG Contract Number: 23-WS-027
Project Location: City of Casey

Project Description (Attach additional descriptive information, as appropriate to the project, including narrative, maps, photographs, site plans, budgets and other information.): This project will include the replacement of 4,500 linear feet of undersized water main. The specific water mains are under 2" in size. These mains will be replaced with 6" mains that will meet Iowa Standards for Water Supply fire protection standards. The replacement of these mains will also reduce the amount of water loss the city experiences. The specific location of this project can be found in the Preliminary Engineering Report.

The subject project has been reviewed pursuant to HUD regulations 24 CFR Part 58 "Environmental Review Procedures for Entities Assuming HUD Environmental Responsibilities," and the following determination with respect to the project is made:

- ☐ Exempt from NEPA review requirements per 24 CFR 58.34(a)()
- ☐ Categorically Excluded NOT Subject to §58.5 authorities per 24 CFR 58.35(b)()
- ☐ Categorically Subject to §58.5 authorities per 24 CFR 58.35(a)() (A Statutory Checklist for the §58.5 authorities is attached.)
- ☒ An Environmental Assessment (EA) is required to be performed in accordance with subpart E of 24 CFR Part 58 is attached.
- ☐ An Environmental Impact Statement (EIS) is required to be performed.

The ERR (see §58.38) must contain all the environmental review documents, public notices and written determinations or environmental findings required by Part 58 as evidence of review, decision making and actions pertaining to a particular project. Include additional information including checklists, studies, analyses and documentation as appropriate.

Chief Elected Official:	
<u>Nicholas Lindberg</u> Print Name	 Signature
<u>Mayor</u> Title	<u>3-18-24</u> Date

Updated 3/8/2012

All projects will need to submit this form with their ERR to IEDA prior to a release of funds being issued.

**Environmental Assessment
Determinations and Compliance Findings for HUD-assisted Projects
24 CFR Part 58**

Project Information

Project Name: City of Casey Water Main Replacement

Responsible Entity: City of Casey, IA

Grant Recipient (if different than Responsible Entity):

State/Local Identifier:

Preparer: Lauren Mortensen, Economic Development Planner, Region XII COG

Certifying Officer Name and Title: Nicholas Lindberg, Mayor

Grant Recipient (if different than Responsible Entity):

Consultant (if applicable):

Direct Comments to: Lauren Mortensen, Economic Development Planner, Region XII Council of Governments, 712-792-9914, lmortensen@region12cog.org

Project Location: 104 W. Sherman, Casey, IA

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

This project will include the replacement of 4,500 linear feet of undersized watermain. The specific watermain are under 2" in size. These mains will be replaced with 6" mains that will meet Iowa Standards for Water Supply fire protection standards. The replacement of these mains will also reduce the amount of water loss the city experiences.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The purpose of the project is to replace the existing water lines to address the city's aging water system and water losses the city experiences. The replacement of the city's old, undersized mains will reduce the risk of failures and decrease the risk of health concerns for the community.

Existing Conditions and Trends [24 CFR 58.40(a)]:

A number of issues with the city's current water distribution system have been recognized. The city's original system was constructed in 1911 with small portions of the system being replaced in the 1960s and 1980s. A large portion of the city's mains are sized at 2" or smaller with the valves and hydrants on these mains needing repair.

Funding Information

Grant Number	HUD Program	Funding Amount
23-WS-027	CDBG	\$328,500

Estimated Total HUD Funded Amount: \$328,500

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]:

Total Cost: \$547,000; **HUD Funds:** \$328,500; **Non-HUD Funds:** \$218,500

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits or approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project is NOT located within 2,500 feet of the end of a civil airport runway or 15,000 feet of the end of a military Airfield runway. HUD policy is to promote compatible land uses in RCZ/CZ/APZ. Airport map can be found in Appendix A.
Coastal Barrier Resources	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	No coastal zone management programs exist in the states of HUD Region VII, as established by Nat'l

Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]		Oceanic & Atmospheric Administration, Office of Ocean and Coastal Resource Management.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	A small portion of the project is in the floodplain. The City of Casey is an NFIP participant. The Casey FIRM can be found in Appendix G. Map Panel Number: 19077C0088D
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project is not located in an EPA-designated non-attainment area or maintenance area for one or more of six "criteria pollutants," called National Ambient Air Quality Standards (NAAQS). Map documentation is included in Appendix B.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	No coastal zone management programs are in the states of HUD Region VII, per Nat'l Oceanic & Atmospheric Administration, Office of Ocean and Coastal Resource Management. www.coastalmanagement.noaa.gov/mystate/welcome.html
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project Location will not be affected by any contaminated or toxic substances. A field inspection, land use search, and review of environmental compliance were conducted using the All sites in proximity were in compliance. All sites in proximity were in compliance according to the previous searches. EPA EnviroMapper also found that all sites in proximity were in compliance. The IDNR storage database for LUST sites was searched and no leaking sites and no tanks were registered on the site. There was one site reported on the State of Iowa Contaminated Sites database, however, the Iowa DNR closed the site. Documentation for these searches can be found in Appendix C.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project will not affect any Federally listed endangered or threatened species or its habitat because the project location does not have habitat suitable for the listed species. A consultation with USFWS was completed and the consultation results can be found in Appendix D along with the No Effects Determination Documentation.
Environmental Justice Executive Order 12898	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project site does not suffer from adverse health or environmental effects which disproportionately impact a minority or low-income population relative to the community at large. Project will assist low to moderate income person's for a better quality of life. See census statistics in Appendix E and here: www.data.census.gov

Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Since this project is replacing water mains within the City of Casey, it is exempt from review under this criteria.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	The project is located in an area that includes prime farmland, unique farmland, and land of statewide or local importance. However, this project includes the rehabilitation of previously installed water lines, and the project area has previously been developed. The farmland classification map can be found in Appendix F.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	The project is located within a 100-year floodplain. The 8-step process as outlined in 24 CFR Part 55.20 was followed and information pertaining to the process and the appropriate publications can be found in Appendix G.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	This project is jointly funded with other federal funds. As such, SRF initially consulted with the State historic preservation office on 3/8/2022 with a finding of No Historic Properties Affected and the State Historic Preservation Office concurred with their finding on 3/11/2022. SHPO reaffirmed this finding on 3/6/2024. Documentation can be found in Appendix H.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	This project is exempt from noise considerations as it falls under the Water & Sewer purview. Information Sheet C, Page 43 of Appendix 3 of Iowa CDBG Management Guide is located in Appendix I.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project is NOT located within area of an EPA-designated sole source aquifer. Map found in Appendix J and at www.epa.gov/dwssa/map-sole-source-aquifer-locations
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project is NOT located within, or has an impact upon, a wetland. Map found in Appendix K and here: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Project is not located within one mile of a designated Wild & Scenic River, or river being studied as a potential component of the Wild & Scenic River System. Iowa does not have any designated rivers, but does have 1 study river and 7 potential rivers listed in the NRI (Sections of the Boone River, Cedar River, Maquoketa, Middle Raccoon River, Turkey River, Upper Iowa River, Wapsipinicon, Yellow River). www.nps.gov/nrcr/programs/rtrca/nri/states/ia.html This information can be found in Appendix L.

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The project will not have any impact on the conformance with comprehensive and neighborhood plans. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 2-2, December 2021.)
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The project will not have any impact on soil suitability, slope, erosion, drainage, or storm water runoff. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Hazards and Nuisances including Site Safety and Noise	1	This project will improve the city's fire protection through adequate sized mains. It will also reduce the number of main breaks and water loss which can cause contamination of the system. There will be no impact on community noise upon project completion. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Energy Consumption	1	The rehabilitation of the city's water mains will reduce the amount of water loss in the system, which will reduce the amount of water required to be treated at the water treatment plant, therefore conserving energy. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)

	Impact Code	Impact Evaluation
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Environmental Assessment Factor		
SOCIOECONOMIC		
Employment and Income Patterns	2	The project will have no impact on employment or income patterns in the City of Yale. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Demographic Character Changes, Displacement	2	The project will have no impact on community demographics with no changes directly related to this project. The project will not cause any residential or commercial displacements within the community. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Environmental Justice	1	Project site or neighborhood does not suffer from adverse health or environmental effects, which disproportionately impacts a minority or low-income population relative to the community at large. Project will assist low to moderate-income people for a better quality of life. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	There are no educational facilities in Casey; therefore, the project will have no impact on any educational facilities. No mitigation is necessary. . (Veenstra & Kimm Water Treatment & Distribution study, Page 1-1, December 2021.)
Commercial Facilities	2	This project will have no impact on the commercial facilities within the City of Casey. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Health Care and Social Services	2	This project will have no impact on health care or social service facilities within the City of Casey. No mitigation is necessary. . (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Solid Waste Disposal / Recycling	2	The project will have no impact on the solid waste facilities within the City of Casey. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Wastewater / Sanitary Sewers	2	This project will have no impact on the wastewater utility within the City of Casey. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Water Supply	1	This project will replace the city's water lines, reducing the amount of water consumed by the community. This will improve

		the city's available water supply. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 2-2, December 2021.)
Public Safety - Police, Fire and Emergency Medical	1	The project will have no impact on the policing or the Emergency Medical services within the City of Casey. The project will benefit Fire services, as it will improve the water supply within the City of Casey. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Parks, Open Space and Recreation	2	The project will have no impact on the Parks, Open Space, or Recreation within the City of Casey. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Transportation and Accessibility	2	The project will have no impact on transportation within the City of Casey. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	1	The project will reduce the amount of water lost due to replacing the aging water lines. The project will have no impact on the unique natural features within the community. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 2-2, December 2021.)
Vegetation, Wildlife	2	The Project will have no impact on vegetation and wildlife. No mitigation is necessary. (FWS Wetlands Map Aerial in Appendix K.)
Other Factors	2	The project will have no impact on other natural features within the community. No mitigation is necessary. (FWS Wetlands Map Aerial in Appendix K.)

Environmental Assessment Factor	Impact Code	Impact Evaluation
CLIMATE CHANGE / ENERGY		
Impact on occupants, alteration of future site, effect on/from weather related disasters	2	This project will have no impact on the occupants within the City of Casey. The project will not alter any future sites of development. This project will not have any impact on how weather-related disasters affect the City of Casey. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)
Energy efficiency, Green building practices	2	The most efficient materials will be utilized during construction and the system is designed to reduce waste. (Veenstra & Kimm

		Water Treatment & Distribution study, Page 3-1, December 2021.)
Energy usage, Emissions	2	This project will be replacing the city's water mains, which will reduce water loss through the system. A reduction in water treated at the water treatment system will reduce the amount of energy consumed by the city. No mitigation is necessary. (Veenstra & Kimm Water Treatment & Distribution study, Page 3-1, December 2021.)

Additional Studies Performed:

A preliminary engineering report was completed: Water Treatment & Distribution Study, Casey, Iowa December 2021 by Veenstra & Kimm, Inc.

**Field Inspection (Date and completed by): Lauren Mortensen, Economic Development Planner
November 21, 2023**

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

Iowa DNR
City of Casey
Fish and Wildlife Services
Veenstra & Kimm, Inc.
National Park Service
FEMA
State Historic Preservation Office

List of Permits Obtained:

Public Outreach [24 CFR 50.23 & 58.43]:

A public hearing was conducted to give the public an opportunity to provide input on the project. No questions or comments were received before or during the hearing. The 8-Step process included an early flood notice to be published which received no comments from the community.

Cumulative Impact Analysis [24 CFR 58.32]:

Overall, this project will have no adverse environmental impact. There are no concerns with contaminated substances. No endangered species will be impacted by the project.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

The first considered alternative was replacing all water mains at once. This would have included the replacement of 14,650 linear feet of water mains. This would have been the replacement of all water mains within the community, which would encompass a larger portion of floodplain. This alternative had a much higher price tag at \$1.5 million and due to this, the project was not selected.

The second alternative considered replacement of a much smaller portion of water mains. While this project would avoid construction in the flood plain and cost less than the selected alternative, the city's issue of water loss and not adequate fire protection throughout the community would not be corrected. Due to this alternative not correcting the city's problems, this problem was not selected.

The selected alternative will replace 4,500 linear feet of water mains. While this is not the city's entire distribution system, it will address the most problematic areas for a cost that the city can currently afford.

This alternative will help address the city's water loss and create adequate fire protection in portions of the city. This alternative was selected at a total estimated cost of \$547,000.

No Action Alternative [24 CFR 58.40(e)]:

The no action alternative for the City of Casey's water system would require the city to continue operating with water mains that are undersized. It would also mean that the city is to continue to function with water mains that are losing water. Compromised water mains can cause health and safety issues for the community if contaminants enter the system. Although this alternative would be the cheapest option, this alternative presents hazards to the community's health and safety, and it was not selected.

Summary of Findings and Conclusions:

Overall, this project will have little to no impact on the community, its natural resources, the local climate, or other evaluated areas. Any impact that this project will have on the community will be beneficial in nature which leads to no mitigation measures being necessary.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure

Determination:

☒ **Finding of No Significant Impact [24 CFR 58.40(g)(1); 40 CFR 1508.27]**

The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27]**

The project may significantly affect the quality of the human environment.

Preparer Signature: Lauren Mortensen Date: 3-18-24

Name/Title/Organization: Lauren Mortensen, Economic Development Planner, Region XII COG

Certifying Officer Signature: Nicholas Lindberg Date: 3-18-24

Name/Title: Nicholas Lindberg, City of Casey Mayor

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

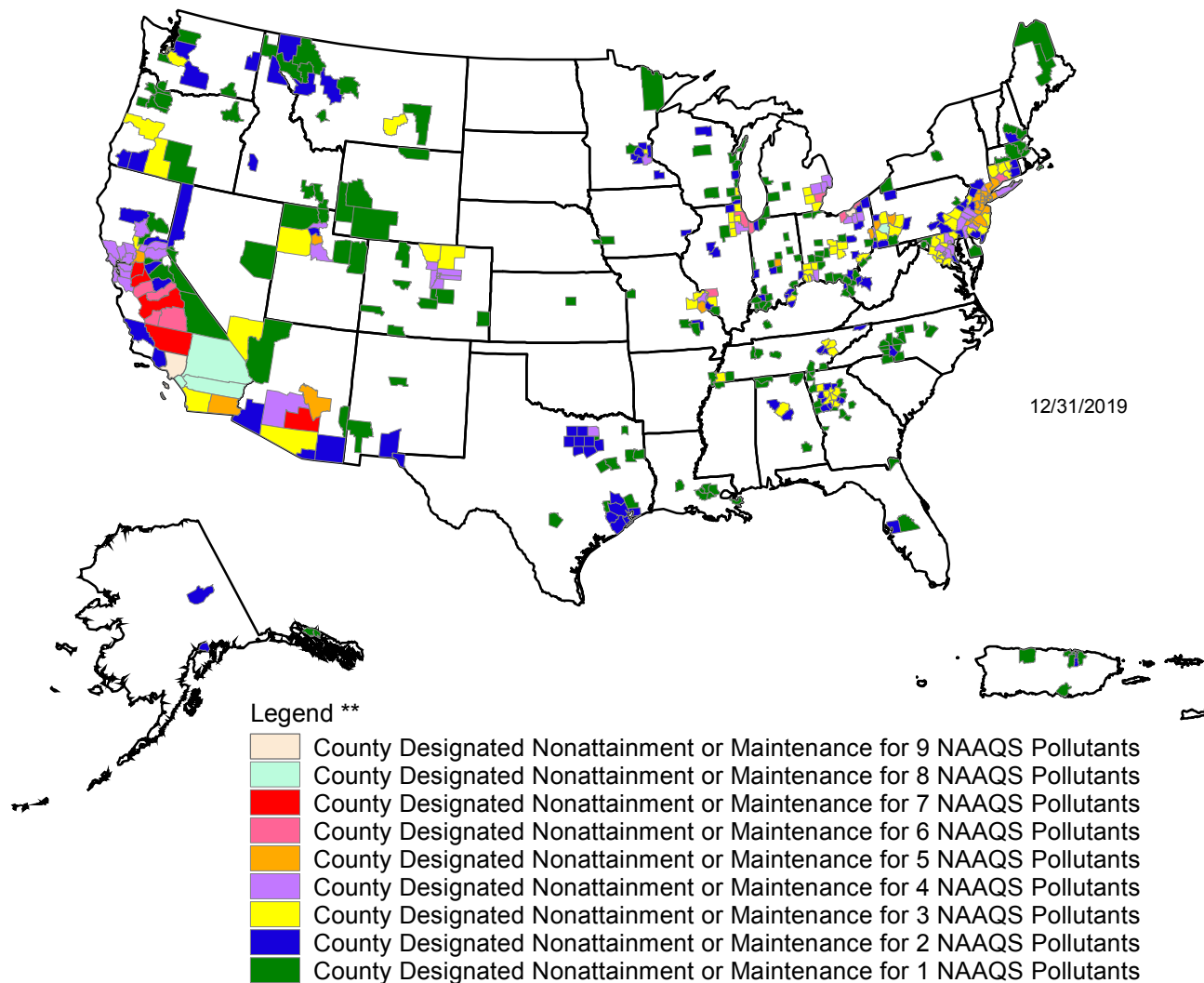
Appendix A

[illegible]

Appendix B

Counties Designated "Nonattainment" or "Maintenance"

for Clean Air Act's National Ambient Air Quality Standards (NAAQS) *



Guam - Piti and Tanguisson power stations are designated nonattainment for the SO₂ (1971) NAAQS

Piti and Cabras power stations are designated nonattainment for the SO₂ (2010) NAAQS

* The National Ambient Air Quality Standards (NAAQS) are health standards for Carbon Monoxide, Lead (1978 and 2008), Nitrogen Dioxide, 8-hour Ozone (2008), Particulate Matter (PM-10 and PM-2.5 (1997, 2006 and 2012), and Sulfur Dioxide.(1971 and 2010)

** Included in the counts are counties designated for NAAQS and revised NAAQS pollutants. Revoked 1-hour (1979) and 8-hour Ozone (1997) are excluded. Partial counties, those with part of the county designated nonattainment and part attainment, are shown as full counties on the map.

Appendix C

9/19/2023 4:27 PM user: [Login](#)[Advanced](#) search UST Registration Number ▼ for [Go](#)**Advanced Search**☐ UST ☒ LUST ☐ AST ☐ UST 3rd Party Inspections ☐ UST CertificationsLeak Number:

Leak Risk Classification: High Risk ▼

Site Name: Site Address:

Site City: CASEY ▼

County: --County-- ▼

Site Status: --Status Type-- ▼

[Search](#)[Export Results](#)

No Lust Records Found

DISCLAIMER: The information on this website represents data provided to the DNR from outside entities. Although believed to be generally reliable, its accuracy cannot be guaranteed. No warranty, expressed or implied, is provided for the data herein, or its use. The Tanks database does not display nor contain all the records submitted for a site. Additional information may be obtained from the DNR Records Center at 515-725-8480 or DNR.Records@dnr.iowa.gov.

The Above Ground Storage Tank (AST) information on this website is no longer maintained. The DNR does not regulate ASTs. For additional information on ASTs, please contact the State Fire Marshal office at (515)-725-6145.

4.1.525.13227

[State of Iowa Home](#)
webmaster@dnr.iowa.gov[DNR Home](#)
© Iowa Department of Natural Resources[Site Policy](#)



CONTAMINATED SITES

Agriland FS, Canby
CERCLA Preremedial - Closed
1608 160th Street , Casey , IA 50048
Project Manager: Dan Cook

- Detail
- Documents
- Location
- Background
- Summary
- Site Search

Detail

		ID
1739		
		Name
Agriland FS, Canby		
		Alternate Name(s)

		Origin Type
IDNR Field Office		
		Site Type
Ag-Chem		
		Institutional Control(s)

		Ownership
Private		
		Project Manager
Dan Cook		

[Services](#) [Agencies](#) [Social](#)



Missouri, Nebraska, North Carolina, Pennsylvania, Vermont, Washington, West Virginia, and Wisconsin are working with EPA to fix problems with their Clean Water Act violation data.

Map
Legend

Basemap Options

EJScreen

☐

Add EJ Summary Map

Supplemental Indexes (US)



Zoom To:

Enter city, state, and/or zip code



Resync map and table

> Facility Summary

Select a facility row from the search result table.

▼ Current Search

4 Facilities Found

Selected Criteria

Media Program: All Media Programs

State: Iowa

Active/Operating: Yes

City: casey

Explore Enforcement and Compliance Criteria

☐ 1 Facilities with Current Violations

0 Facilities with Significant Violations

☐ 1 Facilities with Violations (3 years)

0 Facilities with Formal Enforcement Actions (5 years)

☐ 0 Facilities with Informal Enforcement Actions (5 years)



Modify Search

Customize
Columns

Download
Data

Quick
CSV
Download



Source Data

Results Guide



Reports Legend



▼ Filter Facilities

Not Filtering on 4 Facilities

☐ Only Show Matches

Facility Characteristics

Facility Type

☐ 0 Major ☐ 4 Minor

Facility Permit/ID

- ☐ 1 Has Water Permit (ICIS-NPDES)
- ☐ 0 Has ICIS-Air ID
- ☐ 2 Has RCRA ID
- ☐ 0 Has TRI Releases

Enforcement and Compliance Characteristics

☐ 1 Facilities with Violations (1 or more quarters within the past 3 years)



Facilities with Formal Enforcement Actions (5 yrs)

☐ 0 Yes ☐ 4 No



Facilities with Informal Enforcement Actions (5 yrs)

☐ 0 Yes ☐ 4 No



Facilities with Compliance Monitoring Activities within Date Range

Facility Name	Mapped	Street Address	City	State	FRS ID	Reports	Count of Supplemental Indexes At or Above 80th Percentile (US - Block Group)	Compliance Monitoring Activity (5 years)	Significant Violations	Qua Nonc (3
AVEY OIL COMAPNY		100 FT E OF COUNTY LINE ON 925	CASEY	IA	110007508134		0	0	No	
BAUMGARDNER ENTERPRISES		200 W 1ST ST	CASEY	IA	110017779796		0	0	No	
CASEY WATER SUPPLY		--	CASEY	IA	110013105273		0	0	No	
CASEY WWTP		350TH ST	CASEY	IA	110039691820		0	1	No	

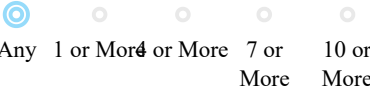
☐ 0 Yes ☐ 4 No

mm/dd/yyyy

mm/dd/yyyy

Community

☐ 4 Facilities Located in Areas with Supplemental Indexes At or Above 80th Percentile (US)



Layers

Each map layer requires a specific map scale for display. Layers are only available for selection if the map is zoomed in to a sufficient scale. Zoom in further to enable selection of additional layers. Note that adding multiple overlapping map layers may cause performance issues in the browser and display.

☐ Do not show again

Current Zoom: 72%

- ▶ EJScreen Maps
- ▶ Air Maps
- ▶ Water Maps
- ▶ Places
- ▶ Boundaries
- ▶ Endangered Species Act Critical Habitat

LAST UPDATED ON SEPTEMBER 21, 2022

DATA REFRESH INFORMATION

Appendix D



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Illinois-Iowa Ecological Services Field Office
Illinois & Iowa Ecological Services Field Office
1511 47th Ave
Moline, IL 61265-7022
Phone: (309) 757-5800 Fax: (309) 757-5807

In Reply Refer To:
Project Code: 2024-0031735
Project Name: City of Casey Watermain Replacement

03/18/2024 16:23:30 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The attached species list identifies federally threatened, endangered, proposed and candidate species that may occur within the boundary of your proposed project or may be affected by your proposed project. The list also includes designated critical habitat, if present, within your proposed project area or affected by your project. This list is provided to you as the initial step of the consultation process required under section 7(c) of the Endangered Species Act, also referred to as Section 7 Consultation.

Under 50 CFR 402.12(e) (the regulations that implement Section 7 of the Endangered Species Act) **the accuracy of this species list should be verified after 90 days**. This verification can be completed formally or informally. You may verify the list by visiting the ECOSPHERE Information for Planning and Consultation (IPaC) website <https://ipac.ecosphere.fws.gov> at regular intervals during project planning and implementation and completing the same process you used to receive the attached list.

Section 7 Consultation

Section 7 of the Endangered Species Act of 1973 requires that actions authorized, funded, or carried out by Federal agencies not jeopardize federally threatened or endangered species or adversely modify designated critical habitat. To fulfill this mandate, Federal agencies (or their designated non-federal representative) must consult with the U.S. Fish and Wildlife Service (Service) if they determine their project "may affect" listed species or designated critical habitat. Under the ESA, it is the responsibility of the Federal action agency or its designated representative to determine if a proposed action may affect endangered, threatened, or proposed species, or designated critical habitat, and if so, to consult with the Service further. Similarly, it is the responsibility of the Federal action agency or project proponent, not the Service to make "no effect" determinations. If you determine that your proposed action will have no effect on threatened or endangered species or their respective designated critical habitat, you do not need to seek concurrence with the Service.

Note: For some species or projects, IPaC will present you with *Determination Keys*. You may be able to use one or

more Determination Keys to conclude consultation on your action.

Technical Assistance for Listed Species

1. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain information on the species life history, species status, current range, and other documents by selecting the species from the thumbnails or list view and visiting the species profile page.

No Effect Determinations for Listed Species

1. If there are *no* species or designated critical habitats on the Endangered Species portion of the species list: conclude "no species and no critical habitat present" and document your finding in your project records. No consultation under ESA section 7(a)(2) is required if the action would result in no effects to listed species or critical habitat. Maintain a copy of this letter and IPaC official species list for your records.
2. If any species or designated critical habitat are listed as potentially present in the **action area** of the proposed project the project proponents are responsible for determining if the proposed action will have "no effect" on any federally listed species or critical habitat. No effect, with respect to species, means that no individuals of a species will be exposed to any consequence of a federal action or that they will not respond to such exposure.
3. If the species habitat is not present within the action area or current data (surveys) for the species in the action area are negative: conclude "no species habitat or species present" and document your finding in your project records. For example, if the project area is located entirely within a "developed area" (an area that is already graveled/paved or supports structures and the only vegetation is limited to frequently mowed grass or conventional landscaping, is located within an existing maintained facility yard, or is in cultivated cropland conclude no species habitat present. Be careful when assessing actions that affect: 1) rights-of-ways that contains natural or semi-natural vegetation despite periodic mowing or other management; structures that have been known to support listed species (example: bridges), and 2) surface water or groundwater. Several species inhabit rights-of-ways, and you should carefully consider effects to surface water or groundwater, which often extend outside of a project's immediate footprint.
4. Adequacy of Information & Surveys - Agencies may base their determinations on the best evidence that is available or can be developed during consultation. Agencies must give the benefit of any doubt to the species when there are any inadequacies in the information. Inadequacies may include uncertainty in any step of the analysis. To provide adequate information on which to base a determination, it may be appropriate to conduct surveys to determine whether listed species or their habitats are present in the action area. Please contact our office for more information or see the survey guidelines that the Service has made available in IPaC.

May Effect Determinations for Listed Species

1. If the species habitat is present within the action area and survey data is unavailable or inconclusive: assume the species is present or plan and implement surveys and interpret results in coordination with our office. If assuming species present or surveys for the species are positive continue with the may affect determination process. May affect, with respect to a species, is the appropriate conclusion when a species might be exposed to a consequence of a federal action and could respond to that exposure. For critical habitat, 'may affect' is the appropriate conclusion if the action area overlaps with mapped areas of critical habitat and an essential physical or biological feature may be exposed to a consequence of a federal action and could change in response to that exposure.
2. Identify stressors or effects to the species and to the essential physical and biological features of critical habitat that overlaps with the action area. Consider all consequences of the action and assess the potential for each life stage of the species that occurs in the action area to be exposed to the stressors. Deconstruct the action into its component parts to be sure that you do not miss any part of the action that could cause effects to the species or physical and biological features of critical habitat. Stressors that affect species' resources may have consequences even if the species is not present when the project is implemented.
3. If no listed or proposed species will be exposed to stressors caused by the action, a 'no effect' determination may be appropriate – be sure to separately assess effects to critical habitat, if any overlaps with the action

area. If you determined that the proposed action or other activities that are caused by the proposed action may affect a species or critical habitat, the next step is to describe the manner in which they will respond or be altered. Specifically, to assess whether the species/critical habitat is "not likely to be adversely affected" or "likely to be adversely affected."

4. Determine how the habitat or the resource will respond to the proposed action (for example, changes in habitat quality, quantity, availability, or distribution), and assess how the species is expected to respond to the effects to its habitat or other resources. Critical habitat analyses focus on how the proposed action will affect the physical and biological features of the critical habitat in the action area. If there will be only beneficial effects or the effects of the action are expected to be insignificant or discountable, conclude "may affect, not likely to adversely affect" and submit your finding and supporting rationale to our office and request concurrence.
5. If you cannot conclude that the effects of the action will be wholly beneficial, insignificant, or discountable, check IPaC for species-specific Section 7 guidance and conservation measures to determine whether there are any measures that may be implemented to avoid or minimize the negative effects. If you modify your proposed action to include conservation measures, assess how inclusion of those measures will likely change the effects of the action. If you cannot conclude that the effects of the action will be wholly beneficial, insignificant, or discountable, contact our office for assistance.
6. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

For additional information on completing Section 7 Consultation including a Glossary of Terms used in the Section 7 Process, information requirements for completing Section 7, and example letters visit the Midwest Region Section 7 Consultations website at: <https://www.fws.gov/office/midwest-region-headquarters/midwest-section-7-technical-assistance>.

You may find more specific information on completing Section 7 on communication towers and transmission lines on the following websites:

- Incidental Take Beneficial Practices: Power Lines - <https://www.fws.gov/story/incidental-take-beneficial-practices-power-lines>
- Recommended Best Practices for Communication Tower Design, Siting, Construction, Operation, Maintenance, and Decommissioning. - <https://www.fws.gov/media/recommended-best-practices-communication-tower-design-siting-construction-operation>

Tricolored Bat Update

On September 14, 2022, the Service published a proposal in the Federal Register to list the tricolored bat (*Perimyotis subflavus*) as endangered under the Endangered Species Act (ESA). The Service has up to 12-months from the date the proposal published to make a final determination, either to list the tricolored bat under the Act or to withdraw the proposal. The Service determined the bat faces extinction primarily due to the rangewide impacts of white-nose syndrome (WNS), a deadly fungal disease affecting cave-dwelling bats across North America. Because tricolored bat populations have been greatly reduced due to WNS, surviving bat populations are now more vulnerable to other stressors such as human disturbance and habitat loss. Species proposed for listing are not afforded protection under the ESA; however, as soon as a listing becomes effective (typically 30 days after publication of the final rule in the Federal Register), the prohibitions against jeopardizing its continued existence and "take" will apply. Therefore, if your future or existing project has the potential to adversely affect tricolored bats after the potential new listing goes into effect, we recommend that the effects of the project on tricolored bat and their habitat be analyzed to determine whether authorization under ESA section 7 or 10 is necessary. Projects with an existing section 7 biological opinion may require

reinitiation of consultation, and projects with an existing section 10 incidental take permit may require an amendment to provide uninterrupted authorization for covered activities. Contact our office for assistance.

Other Trust Resources and Activities

Bald and Golden Eagles

Although no longer protected under the Endangered Species Act, be aware that bald eagles are protected under the Bald and Golden Eagle Protection Act and Migratory Bird Treaty Act, as are golden eagles. Projects affecting these species may require measures to avoid harming eagles or may require a permit. If your project is near an eagle nest or winter roost area, please contact our office for further coordination. For more information on permits and other eagle information visit our website <https://www.fws.gov/library/collections/bald-and-golden-eagle-management>. We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Illinois-Iowa Ecological Services Field Office

Illinois & Iowa Ecological Services Field Office

1511 47th Ave

Moline, IL 61265-7022

(309) 757-5800

PROJECT SUMMARY

Project Code: 2024-0031735
Project Name: City of Casey Watermain Replacement
Project Type: Water Supply Pipeline - Maintenance/Modification - Below Ground
Project Description: The City of Casey is working to replace 4,500 feet of 2" and smaller diameter water main with 6" water main, as well as gate valves and fire hydrants.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.507436049999995,-94.52125161123044,14z>



Counties: Adair and Guthrie counties, Iowa

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider

implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

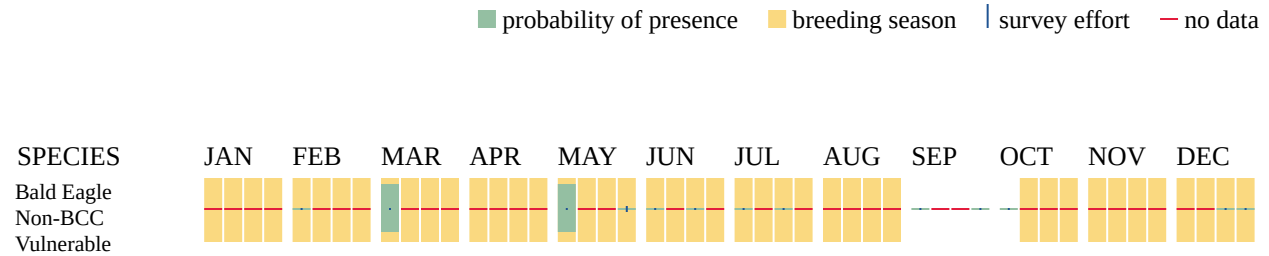
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Bobolink <i>Dolichonyx oryzivorus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9454	Breeds May 20 to Jul 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	Breeds May 10 to Sep 10

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

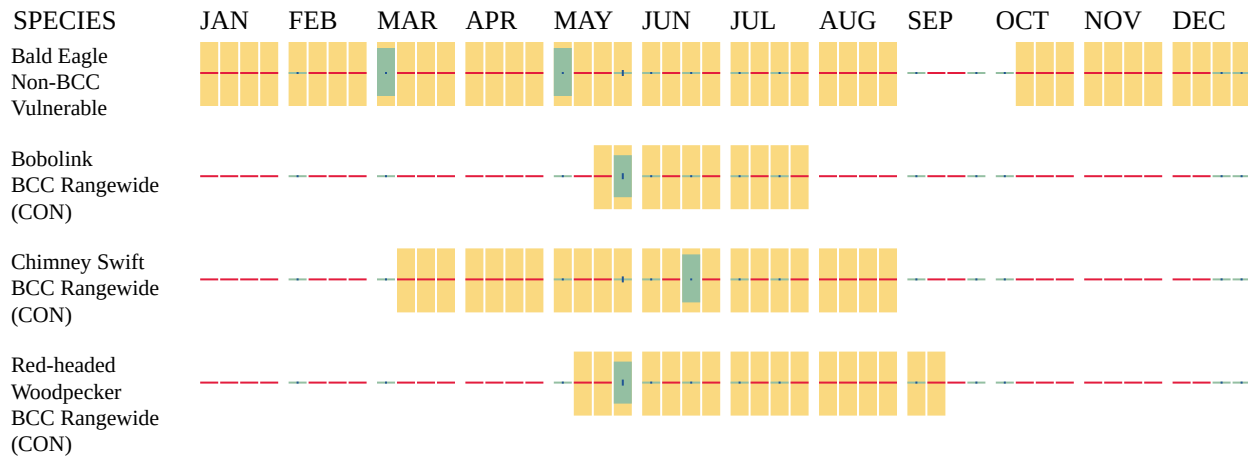
Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

■ probability of presence ■ breeding season | survey effort — no data



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

FRESHWATER POND

- PUBGh

FRESHWATER EMERGENT WETLAND

- PEM1C
- PEM1A

RIVERINE

- R2UBH

- R4SBC

FRESHWATER FORESTED/SHRUB WETLAND

- PFO1A
- PFO1C

IPAC USER CONTACT INFORMATION

Agency: Casey city
Name: Lauren Mortensen
Address: 1009 East Anthony Street
Address Line 2: PO Box 768
City: Carroll
State: IA
Zip: 51401
Email: lmortensen@region12cog.org
Phone: 7127929914

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



FISH & WILDLIFE SERVICE

ENDANGERED SPECIES CONSULTATION

NO EFFECTS DETERMINATION

A determination has been made that the project named below will have no affect on any federally listed species or their habitats.

This determination is based on upon one or more of the following factors: (check all that apply)

- ☐ The project involves no new construction activities
- ☒ The project involves the replacement, reconstruction or resurfacing of existing infrastructure components without disturbance of previously undisturbed soil
- ☐ The project involves the removal of blight through demolition with no storage or disposal of removed materials in or adjacent any listed species habitats
- ☐ The project involves the rehabilitation of existing buildings/facilities without a significant increase in capacity or change in use
- ☒ The project site is within an already developed area containing pavement, structures and/or regularly mowed or maintained grass or landscaped area and will not involve the removal of any native vegetation, including trees
- ☐ The project will not directly or indirectly effect any habitat area utilized by a listed endangered or threatened species

CDBG Project Name: City of Casey Water Main Replacement 23-WS-027

Nature of Project: Water Main Replacement

Signature of Certifying Person: Lauren Mortensen

Date: March 18, 2024

Appendix E

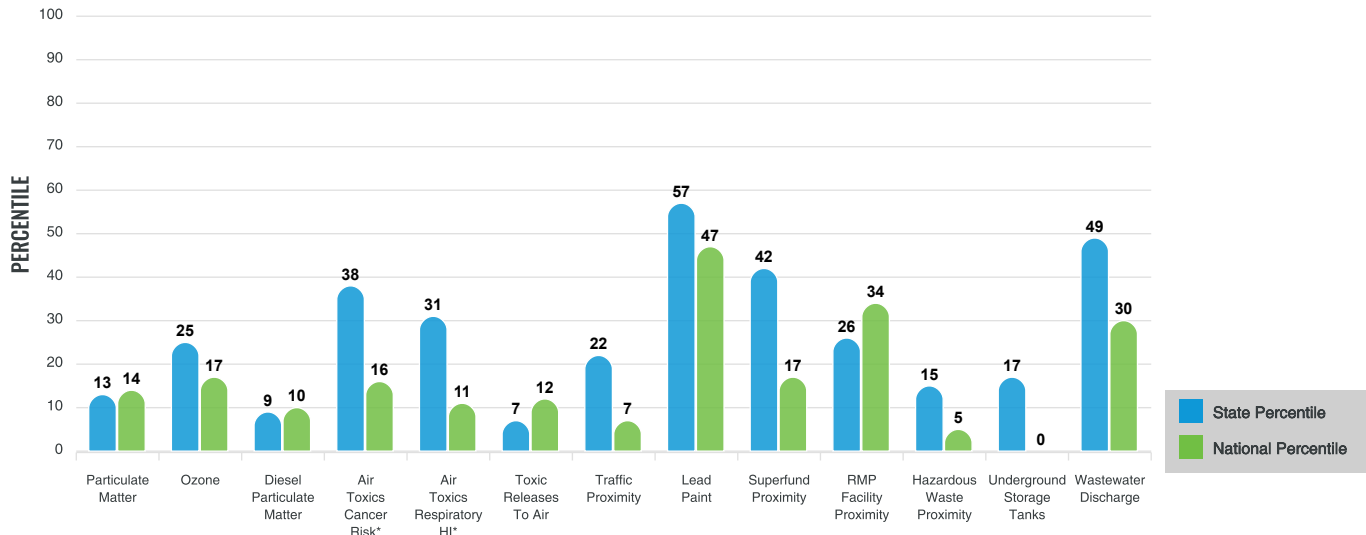
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

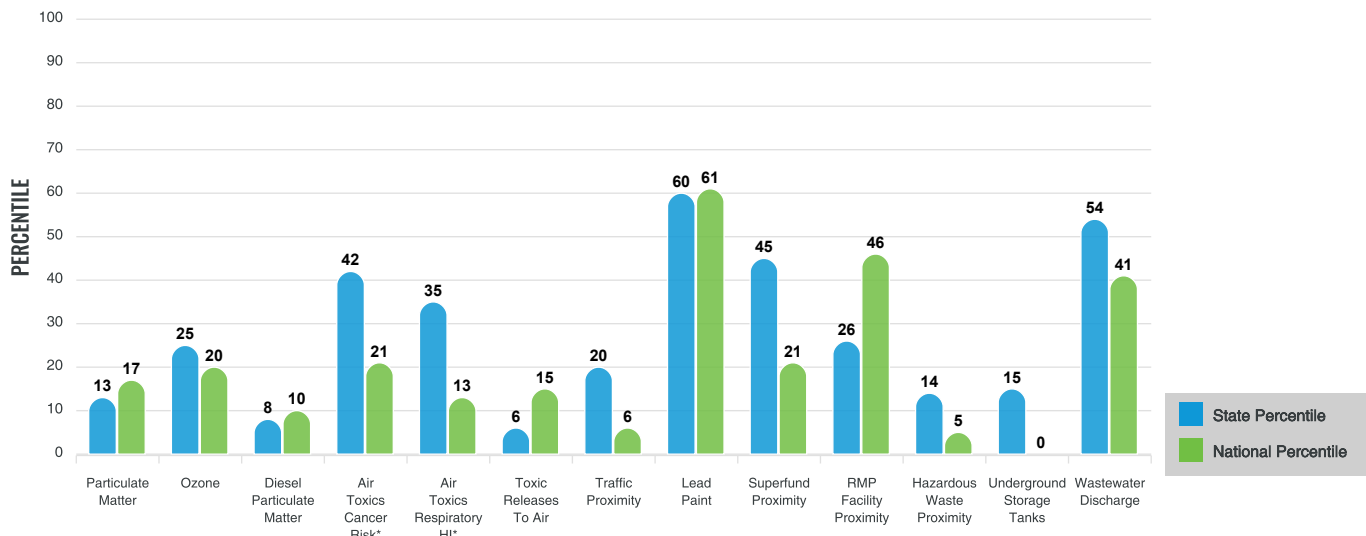
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring Centered at 41.505396,-94.520788

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.83	7.63	15	8.08	17
Ozone (ppb)	57.7	58.8	24	61.6	22
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.0836	0.158	8	0.261	11
Air Toxics Cancer Risk* (lifetime risk per million)	20	20	14	25	5
Air Toxics Respiratory HI*	0.2	0.21	3	0.31	4
Toxic Releases to Air	44	2,800	6	4,600	16
Traffic Proximity (daily traffic count/distance to road)	2.1	140	18	210	6
Lead Paint (% Pre-1960 Housing)	0.63	0.45	71	0.3	82
Superfund Proximity (site count/km distance)	0.025	0.094	45	0.13	24
RMP Facility Proximity (facility count/km distance)	0.17	0.72	25	0.43	50
Hazardous Waste Proximity (facility count/km distance)	0.037	0.42	15	1.9	6
Underground Storage Tanks (count/km ²)	0.0074	1.9	13	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00088	0.28	62	22	47
SOCIOECONOMIC INDICATORS					
Demographic Index	14%	22%	31	35%	17
Supplemental Demographic Index	10%	12%	35	14%	32
People of Color	4%	15%	27	39%	11
Low Income	23%	29%	41	31%	43
Unemployment Rate	5%	4%	69	6%	56
Limited English Speaking Households	0%	2%	0	5%	0
Less Than High School Education	3%	8%	26	12%	23
Under Age 5	3%	6%	22	6%	32
Over Age 64	16%	18%	45	17%	53
Low Life Expectancy	17%	19%	31	20%	29

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	0
Water Dischargers	1
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	2

Other environmental data:

Air Non-attainment	No
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

Report for 1 mile Ring Centered at 41.505396,-94.520788

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	17%	19%	31	20%	29
Heart Disease	7.2	6.5	66	6.1	72
Asthma	9	9.4	25	10	25
Cancer	7.7	6.8	70	6.1	84
Persons with Disabilities	11.3%	12.5%	42	13.4%	41

CLIMATE INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	14%	11%	72	12%	78
Wildfire Risk	0%	2%	0	14%	0

CRITICAL SERVICE GAPS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	17%	16%	61	14%	68
Lack of Health Insurance	4%	5%	45	9%	25
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Footnotes

Report for 1 mile Ring Centered at 41.505396,-94.520788

Appendix F


94° 30' 29" W



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84









MAP LEGEND








Area of Interest (AOI)






 Area of Interest (AOI)








Soils



Soil Rating Polygons

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season









-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of statewide importance, if drained
-  Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated

-  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated and drained
-  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
-  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

-  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough
-  Farmland of statewide importance, if thawed
-  Farmland of local importance
-  Farmland of local importance, if irrigated

-  Farmland of unique importance
-  Not rated or not available















Soil Rating Lines

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—Adair County, Iowa, and Guthrie County, Iowa

	Prime farmland if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium		Farmland of unique importance		Prime farmland if subsoiled, completely removing the root inhibiting soil layer
	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season	Soil Rating Points			Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
	Prime farmland if irrigated and reclaimed of excess salts and sodium		Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season		Not prime farmland		Prime farmland if irrigated and reclaimed of excess salts and sodium
	Farmland of statewide importance		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if thawed		Prime farmland if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance
	Farmland of statewide importance, if drained		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of local importance		Prime farmland if irrigated		Farmland of statewide importance, if drained
	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season				Farmland of local importance, if irrigated		Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
	Farmland of statewide importance, if irrigated						Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated

Farmland Classification—Adair County, Iowa, and Guthrie County, Iowa

<p> Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if irrigated and drained</p> <p> Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer</p> <p> Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60</p>	<p> Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium</p> <p> Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if warm enough</p> <p> Farmland of statewide importance, if thawed</p> <p> Farmland of local importance</p> <p> Farmland of local importance, if irrigated</p>	<p> Farmland of unique importance</p> <p> Not rated or not available</p> <p>Water Features</p> <p> Streams and Canals</p> <p>Transportation</p> <p> Rails</p> <p> Interstate Highways</p> <p> US Routes</p> <p> Major Roads</p> <p> Local Roads</p> <p>Background</p> <p> Aerial Photography</p>	<p>The soil surveys that comprise your AOI were mapped at 1:15,800.</p> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>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.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Adair County, Iowa Survey Area Data: Version 32, Sep 12, 2023</p> <p>Soil Survey Area: Guthrie County, Iowa Survey Area Data: Version 32, Sep 12, 2023</p> <p>Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: May 4, 2021—Jun 4, 2021</p> <p>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.</p>
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Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
11B	Colo, occasionally flooded-Ely silty clay loams, dissected till plain, 2 to 5 percent slopes	Prime farmland if drained	8.4	1.5%
76C2	Ladoga silt loam, dissected till plain, 5 to 9 percent slopes, eroded	Farmland of statewide importance	0.0	0.0%
76D	Ladoga silt loam, 9 to 14 percent slopes	Farmland of statewide importance	4.2	0.8%
76D2	Ladoga silt loam, 9 to 14 percent slopes, eroded	Farmland of statewide importance	6.6	1.2%
133+	Colo silt loam, deep loess, 0 to 2 percent slopes, overwash, occasionally flooded	Prime farmland if drained	49.1	8.8%
179E2	Gara loam, dissected till plain, 14 to 18 percent slopes, eroded	Not prime farmland	18.0	3.2%
179F2	Gara loam, dissected till plain, 18 to 25 percent slopes, eroded	Not prime farmland	8.1	1.5%
212	Kennebec silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland	7.4	1.3%
876C	Ladoga silt loam, terrace on dissected till plain, 5 to 9 percent slopes	Farmland of statewide importance	4.0	0.7%
1820	Dockery-Quiver silt loams, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland	6.3	1.1%
W	Water	Not prime farmland	0.1	0.0%
Subtotals for Soil Survey Area			112.1	20.1%
Totals for Area of Interest			558.6	100.0%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
11B	Colo-Judson silty clay loams, 0 to 5 percent slopes, occasionally flooded	Prime farmland if drained	20.4	3.6%
54	Zook silty clay loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained	19.9	3.6%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
76B	Ladoga silt loam, 2 to 5 percent slopes	All areas are prime farmland	20.8	3.7%
76C	Ladoga silt loam, dissected till plain, 5 to 9 percent slopes	Farmland of statewide importance	13.0	2.3%
76C2	Ladoga silt loam, dissected till plain, 5 to 9 percent slopes, eroded	Farmland of statewide importance	85.5	15.3%
76D2	Ladoga silt loam, 9 to 14 percent slopes, eroded	Farmland of statewide importance	148.4	26.6%
133A+	Colo silt loam, deep loess, 0 to 2 percent slopes, overwash, occasionally flooded	Prime farmland if drained	22.2	4.0%
133B	Colo silty clay loam, dissected till plain, 2 to 5 percent slopes, occasionally flooded	Prime farmland if drained	16.8	3.0%
133B+	Colo silt loam, dissected till plain, 2 to 5 percent slopes, overwash, occasionally flooded	Prime farmland if drained	1.0	0.2%
179E2	Gara loam, dissected till plain, 14 to 18 percent slopes, eroded	Not prime farmland	67.1	12.0%
222D2	Clarinda silty clay loam, dissected till plain, 9 to 14 percent slopes, eroded	Farmland of statewide importance	5.7	1.0%
271B	Olmitz-Colo, occasionally flooded, complex, 0 to 5 percent slopes	Prime farmland if drained	0.8	0.1%
370C2	Sharpsburg silty clay loam, 5 to 9 percent slopes, eroded	Farmland of statewide importance	4.4	0.8%
993E2	Gara-Armstrong loams, 14 to 18 percent slopes, moderately eroded	Not prime farmland	15.3	2.7%
W	Water	Not prime farmland	4.2	0.7%
Y24E2	Shelby clay loam, dissected till plain, 14 to 18 percent slopes, eroded	Farmland of statewide importance	0.8	0.1%
Y93E2	Shelby-Adair clay loams, dissected till plain, 14 to 18 percent slopes, eroded	Farmland of statewide importance	0.3	0.1%
Subtotals for Soil Survey Area			446.5	79.9%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Totals for Area of Interest			558.6	100.0%

Description

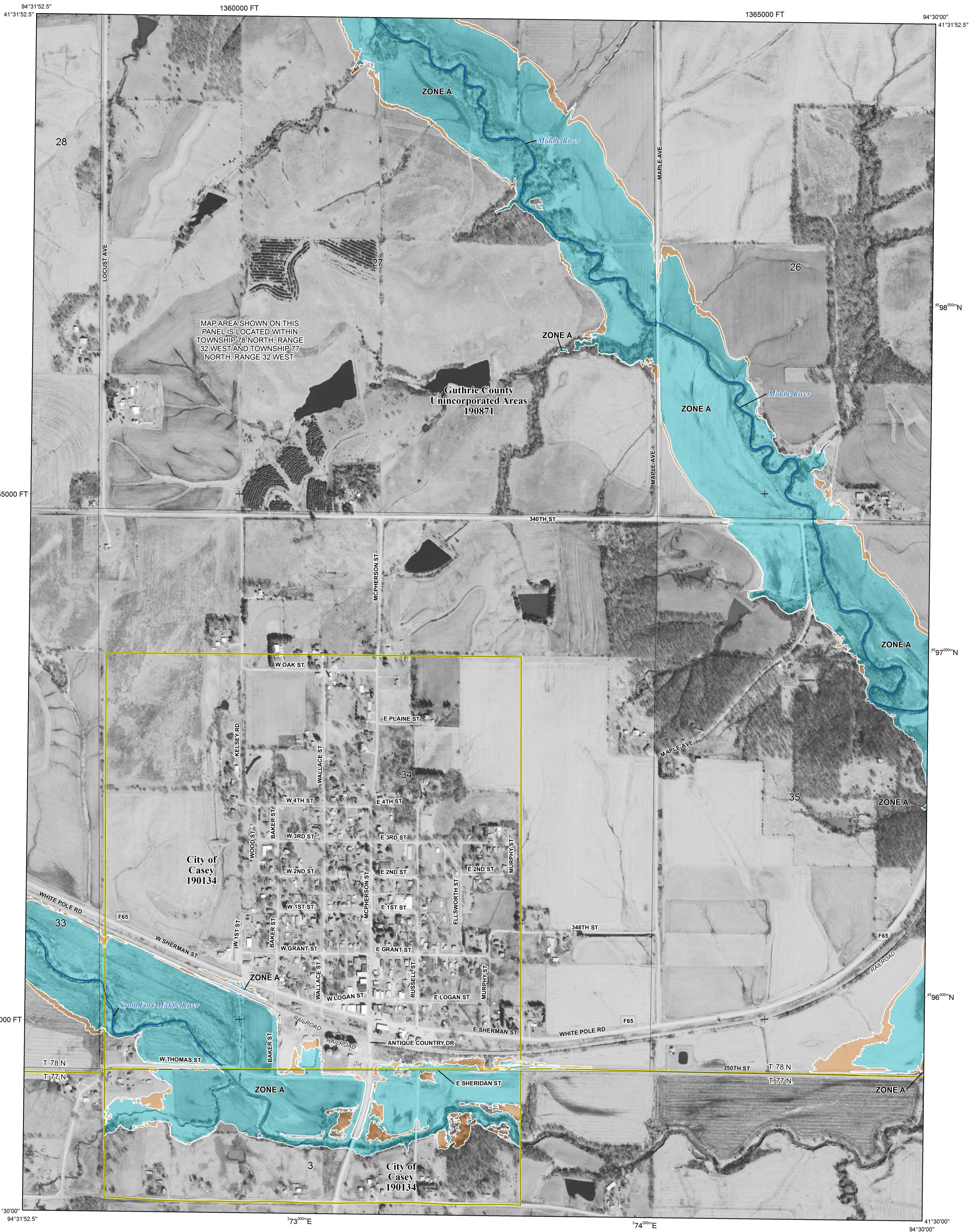
Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

Appendix G



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT	
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT HTTP://MSC.FEMA.GOV	
SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee See Notes Zone X
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
OTHER FEATURES	Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information eXchange.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Map Service Center at the number listed above.


For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the Iowa Department of Natural Resources. This information was derived from digital orthophotography at a 2 foot ground resolution from imagery flown in April 2009.

SCALE





National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

GUTHRIE COUNTY, IOWA
And Incorporated Areas

PANEL 244 OF 325

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
CASEY, CITY OF GUTHRIE COUNTY	190134 190871	0244	D D

VERSION NUMBER 2.3.3.0
MAP NUMBER 19077C0244D
EFFECTIVE DATE APRIL 5, 2017

Floodplain Management- “8 Step Process”

1. Determine if the proposed action is in a wetland or the 100-year floodplain (or in the 500-year floodplain for a critical action i.e., actions for which even a slight chance of flooding would be too great). If the proposed action would not be conducted in these areas, then no further compliance with this part is required.

The proposed action will take place within the 100-year floodplain.

2. Notify the public of the intent to locate the proposed action in the floodplain or wetland. The notice must be published at least once in a local newspaper of general circulation (in cities where there is no newspaper of general circulation, notices must be displayed in the local post office and its substations). The public must be given at least fifteen days to comment. The notice is titled *Notice of Proposed Project to be Located in a Floodplain or Wetland*. This Notice can be found in the following pages. The recipient must use this form, or its equivalent, to meet federal requirements.

The publication was published on February 29, 2024 with a comment period ending on March 15, 2024.

3. Identify and evaluate practicable alternatives to locating in the floodplain. This determination requires the recipient to consider whether the floodplain or wetland can be avoided either through selecting alternative sites, choosing alternative actions to serve the identical project objective, or taking no action. Note that specific, actual alternative site must be identified and evaluated.

The first considered alternative was replacing all water mains at once. This would have included the replacement of 14,650 linear feet of water mains. This would have been the replacement of all water mains within the community, which would encompass a larger portion of floodplain. This alternative had a much higher price tag at \$1.5 million and due to this, the project was not selected.

The second alternative considered replacement of a much smaller portion of water mains. While this project would avoid construction in the flood plain and cost less than the selected alternative, the city's issue of water loss and not adequate fire protection throughout the community would not be corrected. Due to this alternative not correcting the city's problems, this problem was not selected.

4. Identify indirect or direct impacts associated with the occupancy or modification of the floodplain or wetland.

During construction, the land will be disturbed as the project requires excavation. Once the project is complete, the land will return to its pre-construction state, as the water line will be underground. The natural flora and fauna will be able to regrow in the project location. The floodplain is currently occupied by the city's water line, and the proposed project will not change the occupancy status.

Floodplain Management- “8 Step Process”

5. Identify methods to minimize the potential adverse impacts within the floodplain or wetland and to restore and preserve its natural and beneficial values.

The primary effect on the surrounding land will occur during the construction process where storm water runoff and erosion is the main concerns. To mitigate this process and comply with applicable regulations to reduce erosion, erosion control fencing and other best management practices will be employed. Site restoration will occur promptly following any proposed construction. Vegetation will be restored to the site via seeding and mulching.

6. Reevaluate the alternatives, taking into account the identified impacts, the steps necessary to minimize these impacts and the opportunities to restore and preserve floodplain values.

The selected action is feasible. The impacts to the current floodplain are minimal during construction and will be the same as before construction after the project is complete.

7. If the recipient determines the only practicable alternative is locating in the floodplain or wetland, a final public notice shall be published. A sample notice that is titled *Notice of a Decision Regarding Project to be Located in a Floodplain or Wetland* can be found on the following pages. The notice will include the reason for locating the project in a floodplain or wetland, the alternatives that were considered, and any mitigation measures that are planned.

This notice will be published along with the FONSI/RROF.

8. The proposed action can be implemented after steps 1 through 7 have been completed and all other requirements are met.

PROOF OF PUBLICATION

THE STATE OF IOWA, }
Adair County } ss.

PUBLIC NOTICE

LEGAL NOTICE

EARLY NOTICE AND PUBLIC REVIEW OF A PROPOSED ACTIVITY IN A 100-YEAR FLOODPLAIN OR WETLAND

This is to give notice that the City of Casey has conducted an evaluation as required by Executive Order 11988 and/or 11990, in accordance with HUD regulations at 24 CFR 55.20 Subpart C Procedures for Making Determinations on Floodplain Management, to determine the potential affect that its activity in the floodplain and wetland will have on the human environment for CDBG Water and Sewer Fund under 23-WS-027. The City of Casey is replacing water mains. 4,500 feet of 2" and smaller diameter water mains will be replaced with 6" mains. Gate valves and fire hydrants will also be replaced. This project will have approximately 2,000 feet of pipe running through the floodplain and will encompass approximately one acre of the 100-year floodplain. The proposed project(s) is located Hayes Drive, Casey, IA 50048 in the City of Casey, Guthrie County.

There are three primary purposes for this notice. First, people who may be affected by activities in floodplains and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Second, an adequate public notice program can be an important public educational tool. The dissemination of information about floodplains can facilitate and enhance Federal efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the

Federal government determines it will participate in actions taking place in floodplains, it must inform those who may be put at greater or continued risk.

Written comments must be received by the City of Casey at the following address on or before March 15, 2024 to the Casey City Hall, 104 W. Sherman PO Box 196, Casey, IA 50048 and 641-746-3315 Attention Nicholas Lindberg, Mayor. Comments may also be submitted or further information can be requested via email at cityofcasey@netins.net. A full description of the project may also be reviewed from 8 a.m. to 4:30 p.m. Monday-Friday at the same office address above.

Published in The Adair News, Adair, Iowa, on Thursday, Feb. 29, 2024.

I, WILLIAM E. LITTLER III, being duly sworn, depose and say that I am the publisher of THE ADAIR NEWS, a weekly newspaper published at Adair, in said county and state, and that the notice, of which the annexed is a printed copy, was published in said newspaper one time, the

publication being on the 29th
day of Feb. 2024.

William E. Littler III

Subscribed and sworn to before me by the said William E. Littler III at Adair,

Iowa, this 29th day of February, 2024

Michelle M. James

Notary Public



MICHELLE M. JAMES
Commission Number 762675
MY COMMISSION EXPIRES
APRIL 20, 2025

Printer's Fee \$ 39.89

Appendix H

March 8, 2022

Mr. Daniel Higginbottom
State Historical Preservation Office
State Historical Society of Iowa
600 E. Locust St.
Des Moines, IA 50319-0290



RE: Section 106 Review
City of Casey – Water Main Replacement Project
Guthrie County, Iowa
Casey USGS 7.5 Minute Quadrangle
Section: 34, Township: 78 N, Range: 32 W

Dear Mr. Higginbottom:

The City of Casey, Iowa is planning an upgrade to their drinking water infrastructure. The city has applied for financial assistance through the State Revolving Fund (SRF) loan program to build the project.

We ask that you check the project location for any known or suspected adverse impacts to historic properties that run counter to or have not been considered by our determination. The attached maps and drawings show the location of the project. Also attached is a Request for SHPO Comment on a Project form.

The project involves replacing up to 4,500 linear feet of existing water main. These undersized mains be replaced with 6-inch polyvinylchloride (pvc) mains, utilizing open cut installation. The proposed project also includes new hydrants and valves, connections to the existing system, service reconnections, surface restoration, and miscellaneous associated work.

The proposed project area includes most of the town of Casey. However, less than two acres will include ground disturbance all within previously disturbed areas. According to the attached ISites printout, there are no known archaeological resources in the project area. Additionally, all ground disturbance will occur within previously disturbed utility trenches in City right of way. Based on this information we believe that further archaeological survey of the project area is not justified.

The National Register of Historic Places does not list any sites in the City of Casey. While National Register eligible properties may exist within Casey, the proposed project will not affect any existing structures. Based on this information we believe that further historical survey of the project area is not justified.

In accordance with Section 106 of the National Historic Preservation Act, we request that you respond in writing to this office within 30 days of receipt of this letter with any comments. If a

response is not received within 30 days, the Department will assume that there are no comments. Please forward your comments to me at the address listed in the footer below.

If you have any questions, please contact me by email at karrie.darnell@dnr.iowa.gov or by phone at (515) 725-8340.

Sincerely,



Karrie Darnell
Environmental Review Specialist

502 E. 9th Street
Des Moines, IA 50319-0034

REQUEST FOR SHPO COMMENT ON A PROJECT

Submit one copy with each property for which our comment is requested. Please print or type.

Return to: State Historical Society of Iowa, State Historic Preservation Office, 600 E. Locust St, Des Moines, IA 50319-0290

I. GENERAL INFORMATION

☒ This is a new submittal

☐ This is more information relating to SHPO R&C #: _____

- a. Property Name: Casey Water Main Replacement
- b. Property Street & Number: see attached maps
- c. County: Guthrie City: Casey Zip: 50048
- d. Federal Agency: IDNR/SRF Federal Funding Program/Permit: IDNR/SRF
- e. Agency Project No.: FS-39-22-DWSRF-34
- f. Contact Person on Project: Karrie Darnell Phone: (515) 725-8340
- g. Contact Address: 502 E. 9th Street, Des Moines, IA Zip: 50319-0034
- email: karrie.darnell@dnr.iowa.gov

II. IDENTIFICATION OF HISTORIC PLACES

Scope of Effort Applied

- ☐ As agreed in programmatic or other agency agreements with SHPO (if applicable)
- ☒ Includes the attached elements required under 36 CFR 800.4(a)
- 1) Area of potential effects, as defined in 800.16(d), is shown on map
 - 2) Existing information has been reviewed on historic properties in the property area at SHPO office and/or other locations of inventory data
 - 3) Information has been sought from parties likely to have knowledge about historic properties in the project area
 - 4) Information gathered from Indian tribes, as appropriate

Identification Results

History and Architecture

- ☐ An attached Iowa Site Inventory form is completed for each building 50 years of age or older

Archaeology

- ☒ Yes ☐ No The project will involve excavation

If yes, submit all of the following information (use attachments of necessary)

- 1) Precise project location map (preferably U.S.G.S. 7.5 min Quad with name, date, & location)
- 2) Site plan showing limits of proposed excavation
- 3) Number of acres in project <2 acres of ground disturbance (all within previously disturbed)
- 4) Legal location: Section(s) 34 Township(s) 78 N Range(s) 32 W
- 5) Description of width and depth of proposed excavation and current conditions of project area

III. APPLICANT CERTIFICATION (Check Either Adverse Effect or No Adverse Effect for Historic Property Affected category)

Findings (Check One)

- ☒ **No historic properties will be affected** (i.e., none are present or there are historic properties present but the project will have no effect upon them) and adequate documentation under 800.11 is provided, including:
- 1) A description of the undertaking, specifying the Federal involvement, and its area of potential effects, including photographs, maps, drawings, as necessary **and**
 - 2) A description of the steps taken to identify historic properties, including, as appropriate, efforts to seek information pursuant to 800.4(b) **and**
 - 3) The basis for determining that no historic properties are present or affected.

I understand that the SHPO has 30 days from receipt to object to the finding, after which the applicant's responsibilities under Section 106 of the Historic Preservation Act are fulfilled.

- ☐ **An historic property will be affected** for which documentation is provided as required in 36 CFR Part 800.11(e) and, in applying the criteria of adverse effect under 800.5, propose that the project be considered to have **(Check One)**:
- ☐ A **No Adverse Effect** under which, in consultation with the SHPO, the project will be modified or conditions imposed to avoid adverse effects. I understand that failure of the SHPO to provide a dated response within 30 days from receipt to the finding shall be considered agreement of the SHPO with the finding
- ☐ An **Adverse Effect** is found and the applicant, or other federally authorized representative, will consult with the SHPO and other consulting parties to resolve the adverse effect under 800.6

Federally Authorized Signature: 

Type name below

Karrie Darnell, Environmental Review Specialist, SRF, IDNR

Date: March 8, 2022

IV. STATE HISTORIC PRESERVATION OFFICE COMMENT

- ☐ Agree with the finding in section III above (move to reader's file) ☐ See attached follow-up letter
- ☐ Object to the finding for reasons indicated in attached letter
- ☐ Cannot review until information is sent as follows: _____

Authorized Signature: _____ Date: _____

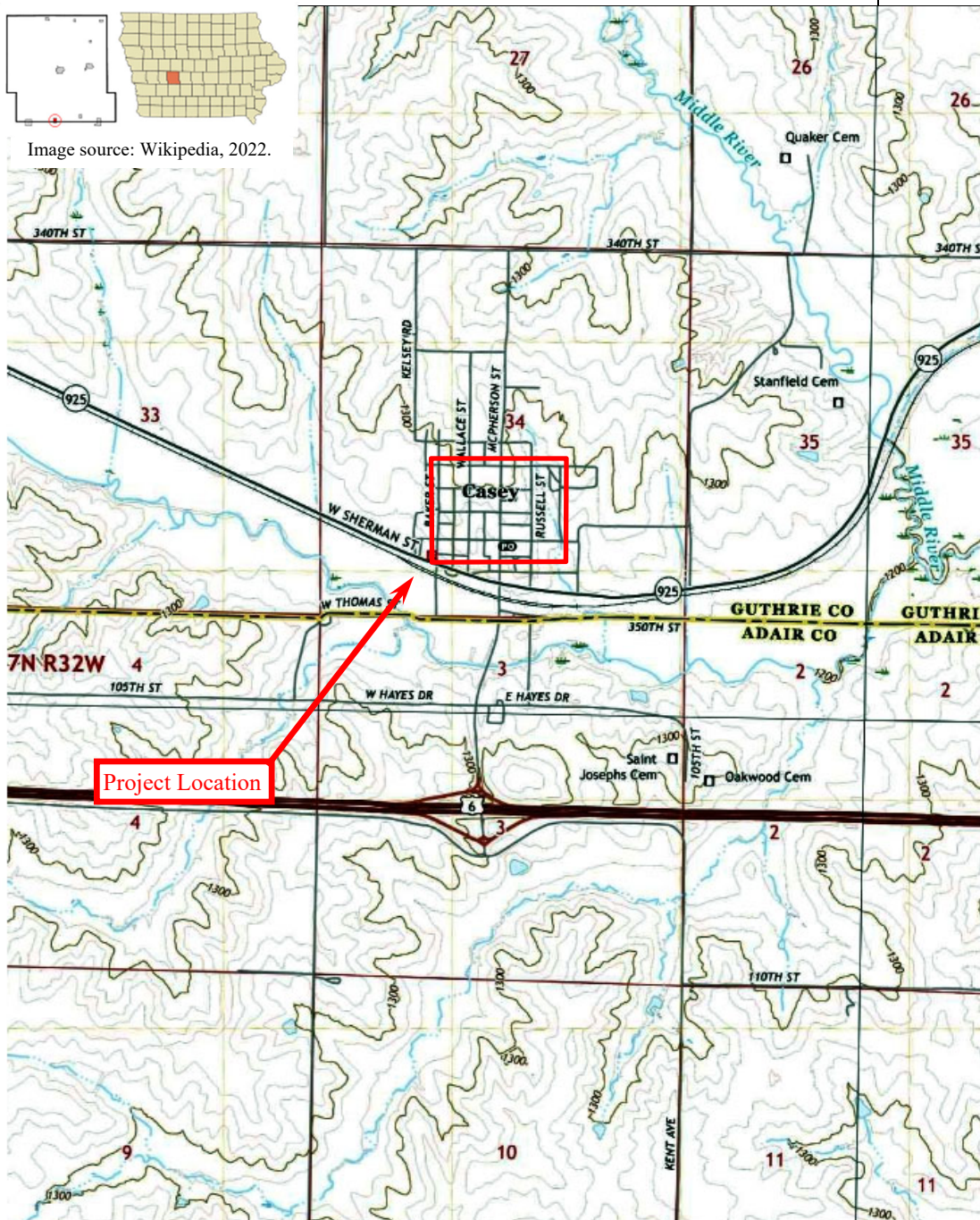
USGS 7.5 Minute Quadrangle: Casey
Section: 34, Township: 78 N, Range: 32 W
Date: 1971
Scale: 1 Inch = 2,000 Feet



North



Image source: Wikipedia, 2022.



USGS Topographic Map

Casey – Water Main Replacement Project
Casey, IA

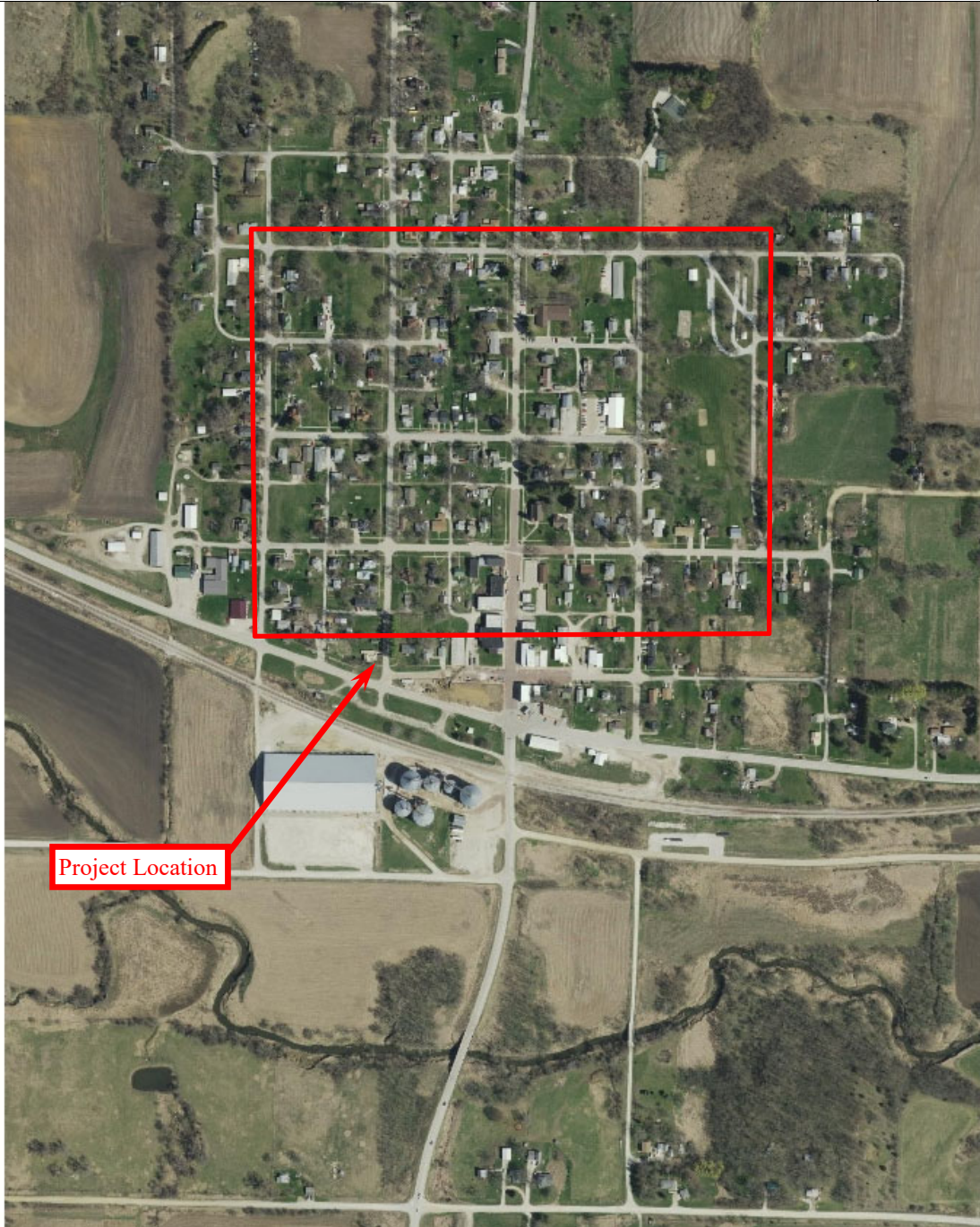


State Revolving Fund
502 East 9th Street
Des Moines, IA 50319-0034

Location information provided by Veenstra & Kimm, Inc



North



Aerial Photograph

Casey – Water Main Replacement Project
Casey, IA

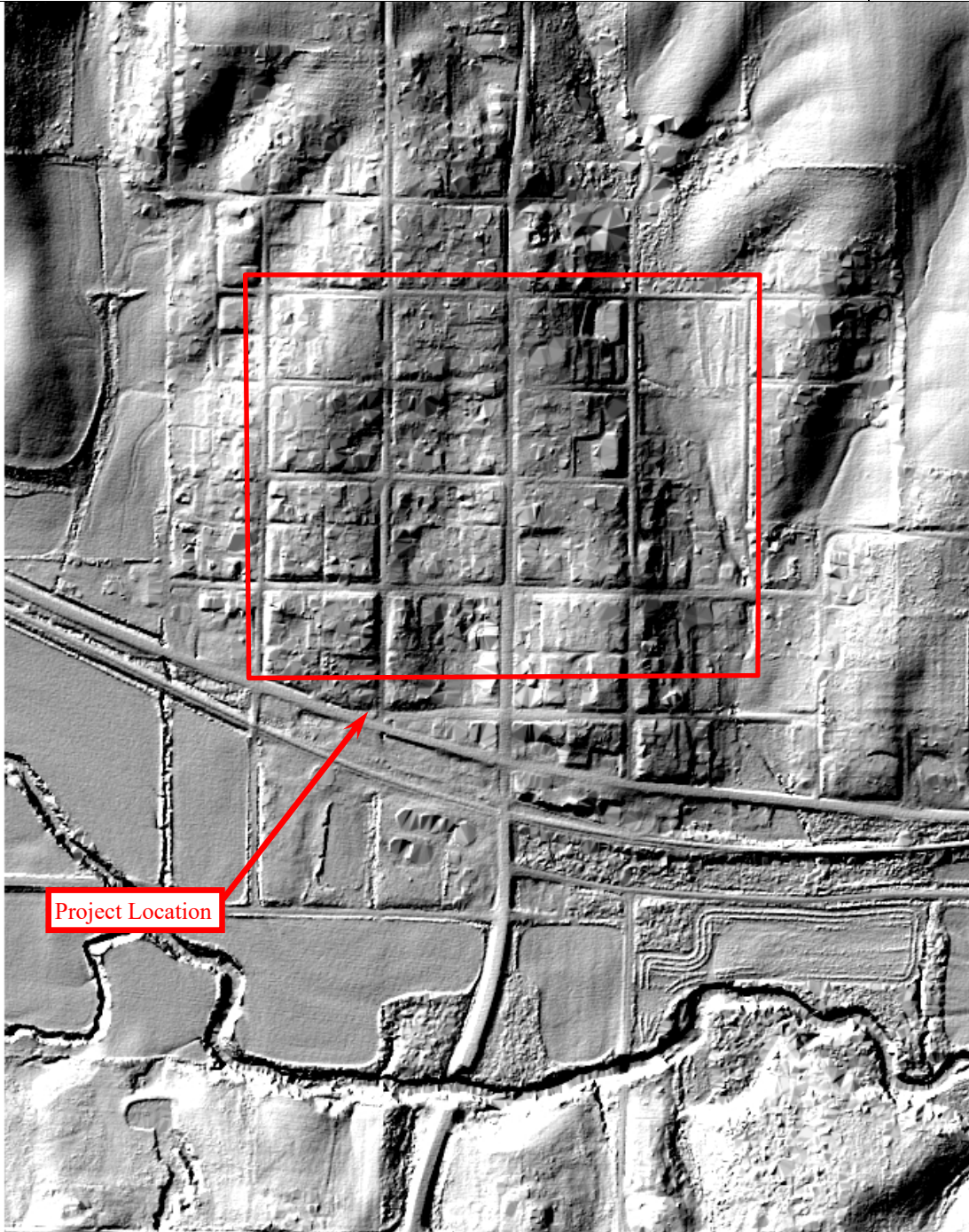


State Revolving Fund
502 East 9th Street
Des Moines, IA 50319-0034

Location information provided by Veenstra & Kimm, Inc



North



Lidar

Casey – Water Main Replacement Project
Casey, IA

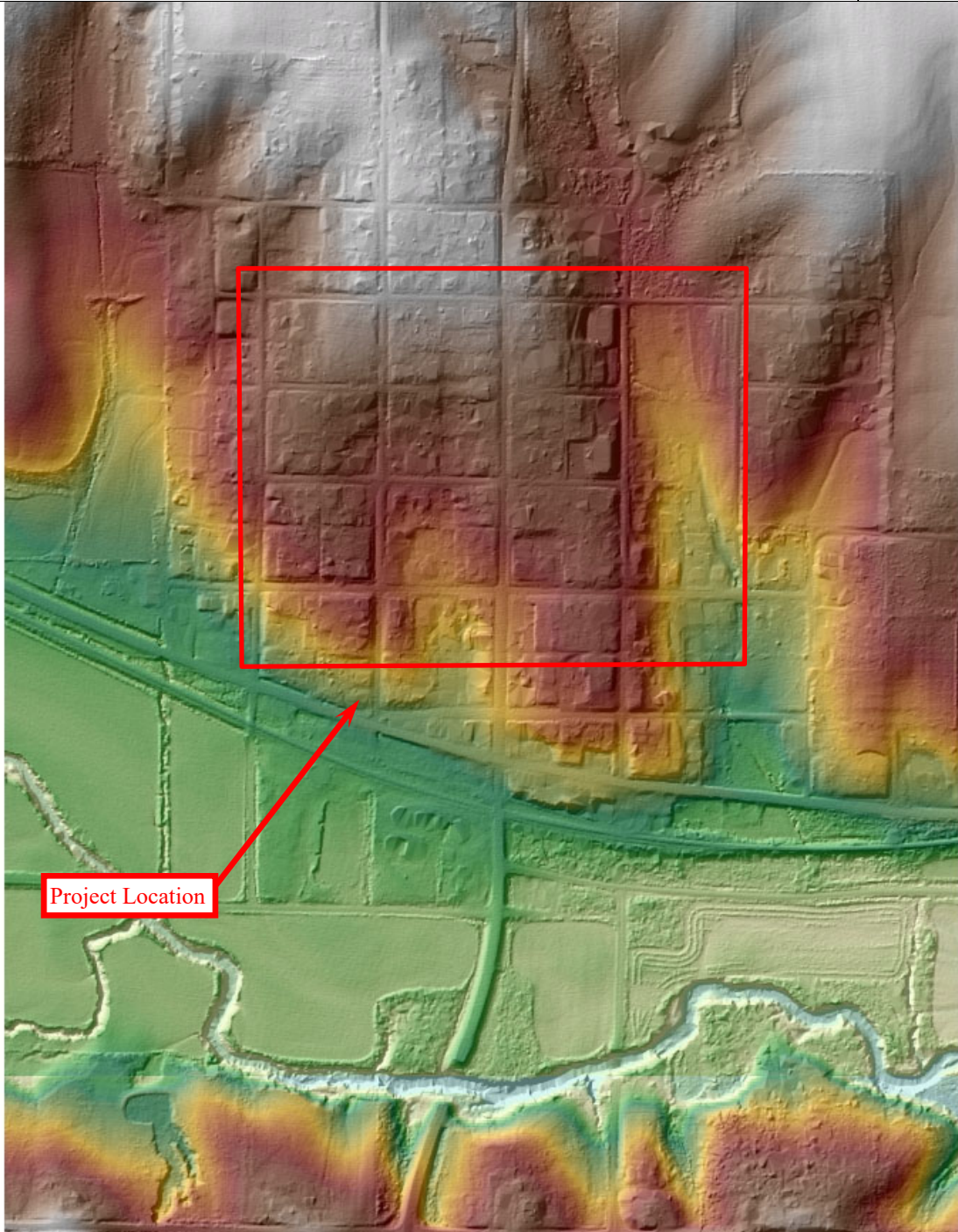


State Revolving Fund
502 East 9th Street
Des Moines, IA 50319-0034

Location information provided by Veenstra & Kimm, Inc



North



Project Location

Lidar Color

Casey – Water Main Replacement Project
Casey, IA

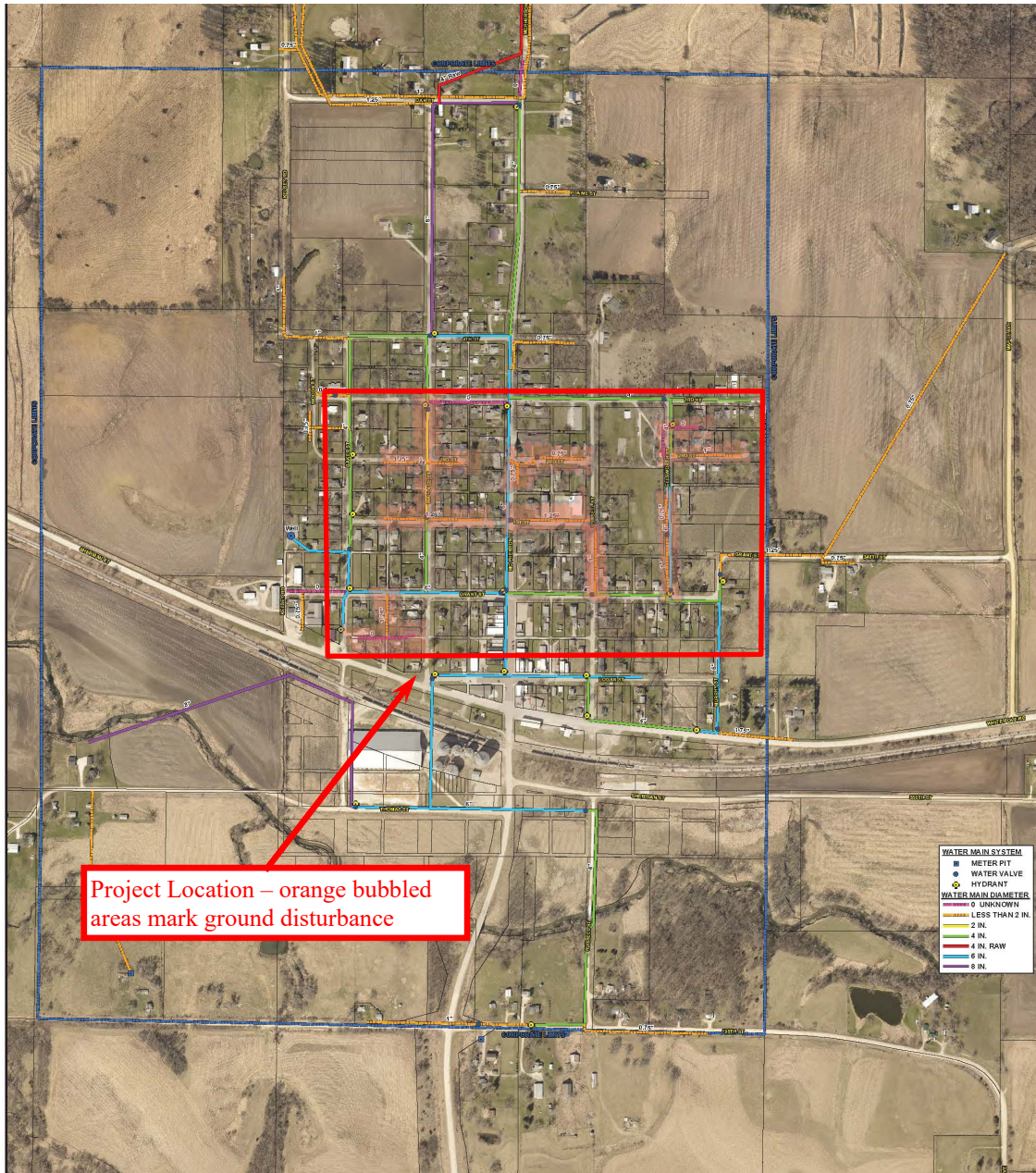


State Revolving Fund
502 East 9th Street
Des Moines, IA 50319-0034

Location information provided by Veenstra & Kimm, Inc



North



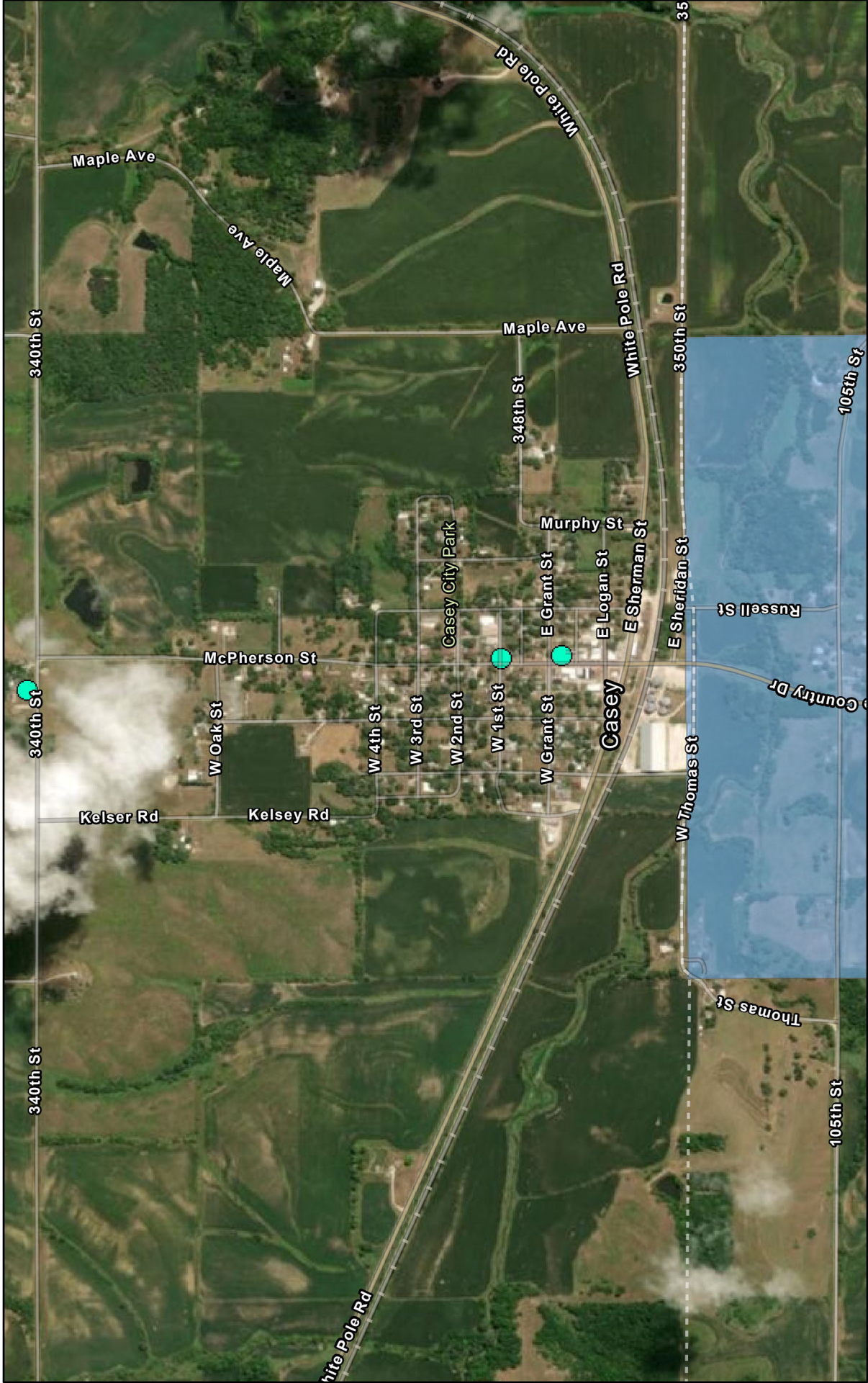
Site Sketch

Casey – Water Main Replacement Project
Casey, IA



State Revolving Fund
502 East 9th Street
Des Moines, IA 50319-0034

Casey - Water Main Replacement



1:18,056

February 17, 2022

● Historic Structures Large Scale

■ Section contains at least one site



REQUEST FOR SHPO COMMENT ON A PROJECT

220539746

Submit one copy with each property for which our comment is requested. Please print or type.

Return to: State Historical Society of Iowa, State Historic Preservation Office, 600 E. Locust St, Des Moines, IA 50319-0290

I. GENERAL INFORMATION

☒ This is a new submittal

☐ This is more information relating to SHPO R&C #: _____

- a. Property Name: Casey Water Main Replacement
- b. Property Street & Number: see attached maps
- c. County: Guthrie City: Casey Zip: 50048
- d. Federal Agency: IDNR/SRF Federal Funding Program/Permit: IDNR/SRF
- e. Agency Project No.: FS-39-22-DWSRF-34
- f. Contact Person on Project: Karrie Darnell Phone: (515) 725-8340
- g. Contact Address: 502 E. 9th Street, Des Moines, IA Zip: 50319-0034
- email: karrie.darnell@dnr.iowa.gov

II. IDENTIFICATION OF HISTORIC PLACES

Scope of Effort Applied

☐ As agreed in programmatic or other agency agreements with SHPO (if applicable)

☒ Includes the attached elements required under 36 CFR 800.4(a)

- 1) Area of potential effects, as defined in 800.16(d), is shown on map
- 2) Existing information has been reviewed on historic properties in the property area at SHPO office and/or other locations of inventory data
- 3) Information has been sought from parties likely to have knowledge about historic properties in the project area
- 4) Information gathered from Indian tribes, as appropriate

Identification Results

History and Architecture

☐ An attached Iowa Site Inventory form is completed for each building 50 years of age or older

Archaeology

☒ Yes ☐ No The project will involve excavation

If yes, submit all of the following information (use attachments of necessary)

- 1) Precise project location map (preferably U.S.G.S. 7.5 min Quad with name, date, & location)
- 2) Site plan showing limits of proposed excavation
- 3) Number of acres in project <2 acres of ground disturbance (all within previously disturbed)
- 4) Legal location: Section(s) 34 Township(s) 78 N Range(s) 32 W
- 5) Description of width and depth of proposed excavation and current conditions of project area

III. APPLICANT CERTIFICATION (Check Either Adverse Effect or No Adverse Effect for Historic Property Affected category)

Findings (Check One)

☒ **No historic properties will be affected** (i.e., none are present or there are historic properties present but the project will have no effect upon them) and adequate documentation under 800.11 is provided, including:

- 1) A description of the undertaking, specifying the Federal involvement, and its area of potential effects, including photographs, maps, drawings, as necessary **and**
- 2) A description of the steps taken to identify historic properties, including, as appropriate, efforts to seek information pursuant to 800.4(b) **and**
- 3) The basis for determining that no historic properties are present or affected.

I understand that the SHPO has 30 days from receipt to object to the finding, after which the applicant's responsibilities under Section 106 of the Historic Preservation Act are fulfilled.

☐ **An historic property will be affected** for which documentation is provided as required in 36 CFR Part 800.11(e) and, in applying the criteria of adverse effect under 800.5, propose that the project be considered to have **(Check One)**:

- ☐ A **No Adverse Effect** under which, in consultation with the SHPO, the project will be modified or conditions imposed to avoid adverse effects. I understand that failure of the SHPO to provide a dated response within 30 days from receipt to the finding shall be considered agreement of the SHPO with the finding
- ☐ An **Adverse Effect** is found and the applicant, or other federally authorized representative, will consult with the SHPO and other consulting parties to resolve the adverse effect under 800.6

Federally Authorized Signature: Karrie Darnell

Type name below

Karrie Darnell, Environmental Review Specialist, SRF, IDNR

Date: March 8, 2022

IV. STATE HISTORIC PRESERVATION OFFICE COMMENT

<input checked="" type="checkbox"/> Agree with the finding in section III above (move to reader's file) <input type="checkbox"/> Object to the finding for reasons indicated in attached letter <input type="checkbox"/> Cannot review until information is sent as follows: _____	<input type="checkbox"/> See attached follow-up letter
Authorized Signature: <u>[Signature]</u>	Date: <u>3/11/2022</u>

Please mail a copy of this signed statement to your contact person at the Federal Agency

Version: 12/18/02



Boatright, James <james.boatright@dnr.iowa.gov>

R&C 240201210 - 00050210 - EPA - Adair - Casey Water Main Replacement Reaffirmation

Branden Scott <branden.scott@iowa.gov>

Wed, Mar 6, 2024 at 10:34 AM

To: "james.boatright@dnr.iowa.gov" <james.boatright@dnr.iowa.gov>

Cc: "shpo106@iowaeda.com" <shpo106@iowaeda.com>, "sara.andre@iowaeda.com" <sara.andre@iowaeda.com>

Mr. Boatright:

We have received your submittal for the above referenced federal undertaking as well as detailed project plans demonstrating the locations of the proposed water main replacements. We provide the following response in accordance with Section 106 of the National Historic Preservation Act of 1966 and its implementing regulations 36 CFR 800.

Regarding this project, please see the following comments:

R&C 240201210 - 00050210 - EPA - Adair - Casey Water Main Replacement Reaffirmation - Project involves replacing undersized leaking water mains ranging from 3/4" to 2" in size with new plastic 6" main in areas not cleared by previous CX environmental review. These areas are located along E Sherman St, Grant St, 348th St, Oak St, Kelsey Rd, and Hayes Dr. All work is to be performed within the existing disturbed right of way.

Concur with the federal agency and/or their designated representative (No Historic Properties Affected - No Effect).

You will not receive a hard copy of this email. It is the submitter's responsibility to maintain the official file of record. If you have any questions or comments, please feel free to contact our office.

With kind regards,
Branden K. Scott
Archaeologist, State Historic Preservation Office
branden.scott@iowaeda.com | 515.348.6291 | culture.iowaeda.com/shpo

Iowa Economic Development Authority

[Quoted text hidden]

Appendix I

ADDITIONAL INFORMATION FOR EA AND CEST PROJECTS - SHEET C

Noise Assessment Guidelines

Noise: The Quiet Communities Act (24 CFR Part 51, Subpart B):

The Act establishes specific noise control requirements for CDBG-funded projects. Grant Recipients must take into consideration the noise criteria and standards in the environmental review process and consider ameliorative actions when noise sensitive land development is proposed in noise exposed areas.

The prime concern of a CDBG environmental impact assessment for noise should be the effect of existing and projected noise levels on the proposed activities and facilities.

If your project is not noise sensitive (e.g., water & sewer projects) then you can skip this assessment and note in the environmental review that the nature of the project, as described, is not noise sensitive.

An assessment will be needed if housing and other noise sensitive uses are proposed:

1. Document the following on a map (either your project meets this criteria or not):

- Existing or proposed commercial or military airports within 15 miles of the site.
- Roadways within 1,000 feet of the site with such characteristics (e.g., high traffic levels, high speed, heavy truck/bus usage, slope gradients, etc.) that would indicate high ambient vehicular noise levels.
- Railroads within 3,000 feet of the site.
- Other significant noise sources (e.g., industrial/manufacturing facilities, power generating stations, firing ranges) in proximity to the site.

2. If you project is within the distance criteria above, you must perform a noise calculation. It can be found here: <https://www.hudexchange.info/environmental-review/dnl-calculator/>.

- a. Airports: contact Airport for noise contour maps
- b. Road data: <https://iowadot.gov/maps/digital-maps/traffic-maps/county>
- c. Railroads: <http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/xingqryloc.aspx>
 - i. Some defaults:
 - 1. Diesel Engines: # of diesel = 2, # of rail cars = 50, Average Speed = 30, nighttime of ATO = .15 or 15%
 - 2. Electric Engines: # of electric = 1, # of rail cars = 8, Average Speed = 30, nighttime of ATO = .15 or 15%

3. If your decibel level is above 65 dB – 75 dB:

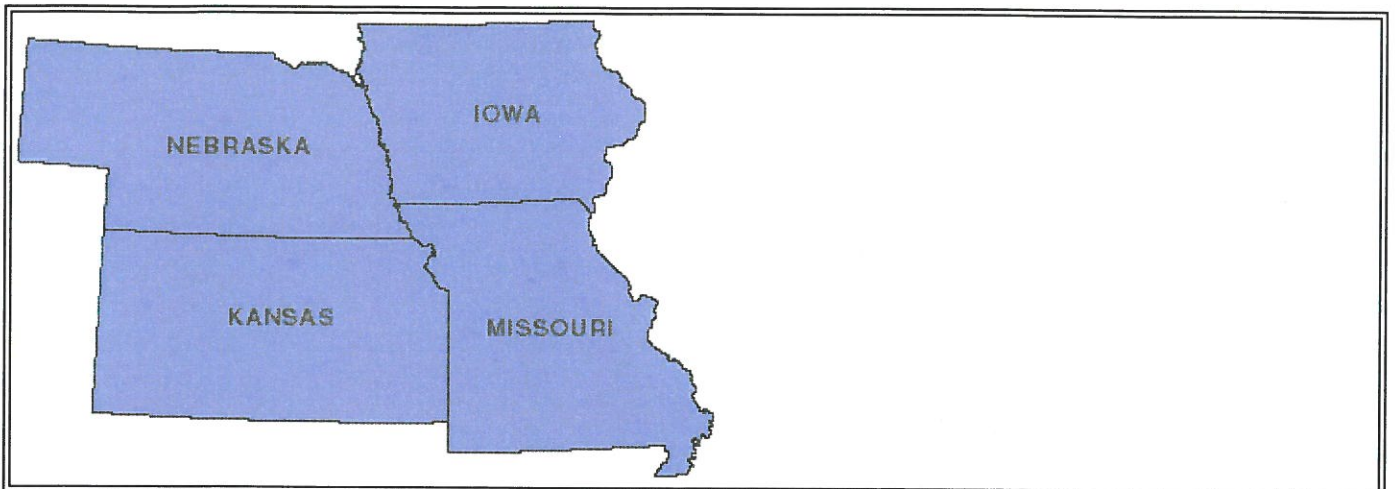
- a. For new construction – you MUST mitigate
- b. For Rehab – you are strongly encouraged to mitigate

However, if above 75 dB you MUST contact leslie leager at IEDA for additional instructions.

Appendix J

Designated Sole Source Aquifers in EPA Region VII

Iowa, Kansas, Missouri, Nebraska



REGION VII (IA, KS, MO, NE)

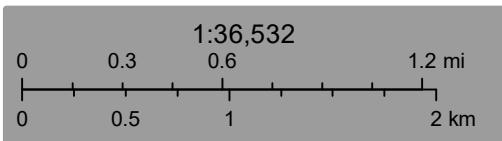
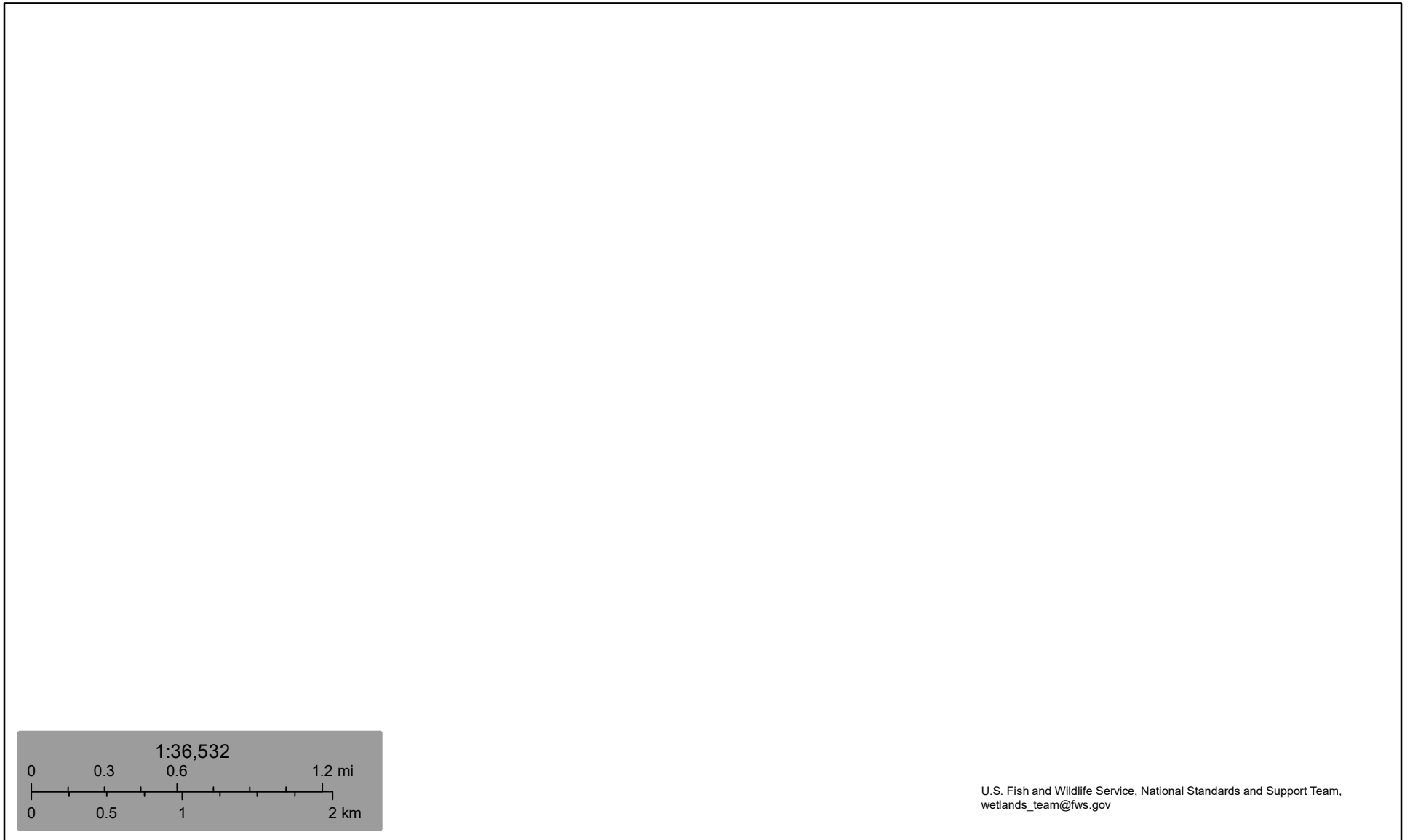
Stephanie Lindberg
Drinking Water/Ground Water Branch
EPA Region 7
901 N. 5th Street
Kansas City, KS 66101
phone: (800) 223-0425
email: lindberg.stephanie@epa.gov

There are no designated Sole Source Aquifers in Region VII. Contact the coordinator above for more information about designating SSAs in Region VII.

Return to: [Sole Source Aquifer program home page](#)

Appendix K




Wetlands Protection



U.S. Fish and Wildlife Service, National Standards and Support Team,
wetlands_team@fws.gov

September 19, 2023

Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Appendix L

COVID-19 Response

Following guidance from the Centers for Disease Control and Prevention and state and local public health authorities, park operations continue to adapt to changing conditions while maintaining public access, particularly outdoor spaces. Before visiting a park, please check the [park website](#) to determine its operating status. Updates about the overall NPS response to COVID-19, including safety information, are posted on www.nps.gov/coronavirus. Please [recreate responsibly](#).

National Park Service

Rivers

Iowa

River	County	Reach	Length (miles)	Description	Potential Classification	ORVs	Watershed (HUC Code 8)	Year Listed/ Updated	Other State
Boone River	Hamilton and Webster	From Webster City to confluence with Des Moines River.	26	Iowa's first designated "Protected Water Area." Identified for it's scenic and natural qualities, including relatively undisturbed riparian habitat and excellent smallmouth bass fishery.	Recreational	Fish, Recreational, Scenic, Wildlife	Middle Des Moines	1995	

Cedar River	Louisa, Muscatine	Highway 6 to mouth at Iowa River	31	Two federally listed endangered species of mussel and one federally listed species of bat may be found along the river; potentially rich in cultural resources; nice streamside relief with bluffs and ridges.		Cultural, Fish, Wildlife	Lower Cedar	1982
Maquoketa River	Jackson, Jones	US 151 Bridge to Mississippi River (omit small reservoir northwest of Maquoketa)	81	River cuts narrow, gorge-like valley up to 150 feet deep through limestone; excellent water quality supporting productive smallmouth bass fishery; potentially rich in cultural resources; threatened northern wild monkshood has been found in basin.		Cultural, Fish, Geologic, Historic, Recreational, Scenic, Wildlife, Other	Maquoketa	1982
Middle Raccoon River	Gutherie and Dallas	City of Panora to the city of Redfield dam.	17	A designated Iowa "Protected Water Area." Beautiful canoe route with good access. Excellent smallmouth bass fishing and wildlife viewing.	Scenic	Fish, Recreational, Scenic, Wildlife	South Raccoon	1995
Turkey River	Clayton, Gayette, Winneshiek, Howard	Vernon Springs to Mississippi River	134	Gently rolling hills with dense stands of trees; good trout stream; high potential for significant cultural resources; northern wild monkshood, a federally listed endangered species, has been found in the basin.		Cultural, Fish, Geologic, Historic, Recreational, Scenic, Other	Turkey	1982

Upper Iowa River	Winneshick and Allamakee	City of Kendallville to Highway 76 crossing.	73	A designated "Protected Water Area." The state's most scenic canoe river with towering limestone outcroppings and beautiful riparian habitat. Good bass and trout fishing.	Wild	Scenic, Recreational, Geologic, Fish, Wildlife	Upper Iowa	1995
Wapsipinicon River	Clinton, Scott, Cedar, Jones, Linn, Buchanan, Black Hawk, Bremer	Frederika to mouth at Mississippi River omitting reservoir NW of Independence, IA.	215	A designated Iowa "Protected Water Area." Wide, wooded flood plain with only limited development and agricultural encroachment; wide diversity of fish and wildlife habitat; exposed geologic fault; historically valuable Stone City quarries.		Fish, Geologic, Historic, Scenic, Wildlife	Upper Wapsipinicon	1982
Yellow River	Allamakee	Highway W60 near Myron (section 3, Post Township) to boundary of Effigy Mounds National Monument	32	Heavily wooded with marked relief, camping and backpacking opportunities; unusual ecological niches and plant life, including the northern wild monkshood, a federally listed threatened plant, has been found in the basin; good fishery; high potential for cultural resources (Effigy Mounds National Monument adjoins near mouth).		Cultural, Fish, Historic, Recreational, Scenic, Wildlife	Coon-Yellow	1982

Yellow River	Allamakee	Entire segment within Effigy Mounds National Monument	4	One of fastest falling rivers in state, providing excellent fishing and canoeing opportunities. Numerous prehistoric Indian burial mounds. Site of Jefferson Davis Sawmill upstream from boundary.	Scenic	Cultural, Geologic, Historic, Recreational, Scenic, Wildlife	Coon-Yellow	1982/1993
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Last updated: November 30, 2016

EXPERIENCE MORE

SUBJECTS

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Protecting Water

Mammals

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PARKS

New River Gorge National River

Upper Delaware Scenic & Recreational River

Missouri National Recreational River

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