

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

ENVIRONMENTAL REPORT

Project Information

Project Name: Southern Housing Region CDBG Housing Program

Name of UGLG: Columbia County

Name of Sub-recipient (if different from UGLG): _____

Signature of Preparer:  Date Signed: 5/21/2020

Name of Preparer: Kari Justmann

Title/Company of Preparer: MSA Professional Services, Inc.

Phone Number of Preparer: 920-392-5137

Email Address of Preparer: kjustmann@msa-ps.com

Signature of Chief Elected Official: _____ Date Signed: _____

Printed Name & Title: Vern E. Gove, County Board of Supervisors Chair

DEHCR Grant Agreement # (if assigned): HSG 20-05

DEHCR Project Representative: Tamra Fabian

Project classified as:

- Exempt
- Categorically Excluded, NOT Subject to §58.5
- Categorically Excluded, Subject to §58.5 – Exempt
- Categorically Excluded, Subject to §58.5 – Notice of Intent/Request for Release of Funds required
- Environmental Assessment required – Combined Notice of Intent/Request for Release of Funds required

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DEHCR Environmental Desk
Division of Energy, Housing and Community Resources
Wisconsin Department of Administration – 9th Floor
P. O. Box 7970
Madison, WI 53707-7970

PART 1 – ENVIRONMENTAL REVIEW RECORD (ERR)

PROJECT DESCRIPTION

1. Project Type:

- Planning (CDBG-PLNG/CDBG-CL-PLNG)
- Public Facilities (CDBG-PF/CDBG-CL-PF)
- Public Facilities for Economic Development (CDBG-PFED/CDBG-CL-PFED)
- Economic Development (CDBG-ED/CDBG-CL-ED)
- HOME
- RHD
- CDBG – Small Cities Housing
- OTHER: Program

2. BRIEF DESCRIPTION OF THE PROJECT’S ACTIVITIES (Applicable to ALL projects):

Funds for this proposed project will be used to:

There will be multi-year housing improvement projects to include rehabilitation of owner-occupied housing units, rehabilitation of renter-occupied housing units, rehabilitation of housing units purchased as homestead or first-time homebuyers and improvements of handicap accessibility. The rehab projects will include a variety of activities including heating system upgrades, roof replacements, weatherization, lead-based paint hazard reduction and any other kind of project that may be necessary to make the house decent, safe and sanitary. This may also include hazard mitigation activities related to homes (including relocation) and the demolition of blighted homes with replacement of similar housing units.

3. BRIEF DESCRIPTION OF THE PROJECT SITE AND IMMEDIATE AREA (Applicable to ALL projects):

This project is:

- Site specific (Provide address of the proposed project)
- Multiple Sites (Provide addresses of the proposed project)
- Communitywide
- Part of a larger initiative

Use the area below to provide a brief description.

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All projects will be located within the Southern Housing Region, which consist of Dodge, Columbia, Jefferson, Kenosha, Ozaukee, Racine, Rock, Walworth and Washington Counties.

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Statement of Activities

GRANTEE/UGLG NAME: Columbia County
 DEHCR GRANT AGREEMENT #: HSG 20-05

STATEMENT OF ACTIVITIES

List all activities funded by the grant and identify: those activities that have been previously assessed, those that require an environmental assessment, those which are categorically excluded, and those which are exempt. Check the appropriate box(es) which apply to each activity listed.

1	2	3	4	5	6	7
Activity	Source(s) of Funds: CDBG or non-CDBG	Previously assessed	Exempt or Categorically Excluded and <u>NOT</u> subject to the Statutory Checklist*	Categorically Excluded and subject to 58.5 (the Statutory Checklist)*	Requires Environmental Assessment	Cite relevant section of 24 CFR 58
Housing Rehab/Improvement <i>If applicable, specify:</i> <u>[LABEL HERE]</u>	CDBG Funds	No	No	Yes	No	24 CFR 58.35(a) [Categorically Excluded SUBJECT to...]
Grant Administration <i>If applicable, specify:</i> <u>[LABEL HERE]</u>	CDBG Funds	No	Yes	No	No	24 CFR 58.34 [Exempt]
Acquisition (Land) <i>If applicable, specify:</i> <u>[LABEL HERE]</u>	CDBG Funds	No	No	No	Yes	24 CFR 58.36 [Environmental Assessment REQUIRED]
Relocation <i>If applicable, specify:</i> <u>[LABEL HERE]</u>	CDBG Funds	No	No	No	Yes	24 CFR 58.36 [Environmental Assessment REQUIRED]
Demolition <i>If applicable, specify:</i> <u>[LABEL HERE]</u>	CDBG Funds	No	No	No	Yes	24 CFR 58.36 [Environmental Assessment REQUIRED]
<SELECT ACTIVITY> <i>If applicable, specify:</i> <u>[LABEL HERE]</u>	<SELECT SOURCE>	<SELECT>	<SELECT>	<SELECT>	<SELECT>	<SELECT>
<SELECT ACTIVITY> <i>If applicable, specify:</i> <u>[LABEL HERE]</u>	<SELECT SOURCE>	<SELECT>	<SELECT>	<SELECT>	<SELECT>	<SELECT>

* WARNING: Federal, state, and local regulations may still apply.

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Statutory Checklist

GRANTEE/UGLG NAME: Columbia County
 DEHCR GRANT AGREEMENT #: HSG 20-05

STATUTORY CHECKLIST

Project Name/Description/Location: Southern Housing Region CDBG Housing Program

Comparison with federal, state and local laws and authorities – This project has been compared with applicable federal, state and local laws and authorities, with the following results: *(Any letters, emails, telephone logs or printouts documenting agency contact **must** be attached.)*

Environmental Issue	Compliance Status	Agency Contacted via	Agency Response Attached	Comments
Historic Properties: Rehab of existing buildings (Contact the DEHCR Environmental Desk)	Consultation/Review Required	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input type="checkbox"/> Website	Yes	The Environmental Desk will be requested to review any proposed projects greater than 50 years of age, when activities are not found on the <i>Activities Exempt from Further Review list</i> .
Historic Properties: New construction (Contact the DEHCR Environmental Desk)	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input type="checkbox"/> Website	No	Not applicable
Floodplain Management	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://misc.fema.gov/portal/home A Tier 2 Environmental Review will be conducted for each specific project.
Coastal Areas Protection and Management	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://doa.wi.gov/Pages/LocalGovtsGrants/CoastalManagement.aspx A Tier 2 Environmental Review will be conducted for each specific project.
Wild and Scenic Rivers	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://www.rivers.gov/wisconsin.php Not applicable to the Southern Housing Region
Airport Hazards	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://www.hudexchange.info/environmental-review/airport-hazards/ A Tier 2 Environmental Review will be conducted for each specific project.
Manmade Hazards	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://dnt.wi.gov/bohw/SetUpBasicSearchForm.do A Tier 2 Environmental Review will be conducted for each specific project.
Noise	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control/ A Tier 2 Environmental Review will be conducted for each specific project.

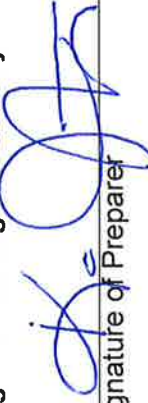
Division of Energy, Housing and Community Resources

Statutory Checklist

Environmental Issue	Compliance Status	Agency Contacted via	Agency Response Attached	Comments
Wetlands Protection	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://www.fws.gov/wetlands/data/mapper.html A Tier 2 Environmental Review will be conducted for each specific project.
Water Quality (including Storm Water Runoff)	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input type="checkbox"/> Website	No	Not applicable
Water Quality: Sole Source Aquifers	<input checked="" type="checkbox"/> Not applicable to project. In compliance			No sole source aquifers in the state according to EPA records (https://www.epa.gov/dwssa)
Solid Waste Disposal Availability; renovation and/or demolition of buildings containing asbestos or lead-based paint	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input type="checkbox"/> Website	No	Review of State Statutes
Endangered Species	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	http://www.fws.gov/midwest/Endangered/section7/s7process/index.html https://dhr.wi.gov/topic/ereview/publicportal.html A Tier 2 Environmental Review will be conducted for each specific project.
Farmland Protection	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://www.hudexchange.info/environmental-review/farmlands-protectioal A Tier 2 Environmental Review will be conducted for each specific project.
Air Quality	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://dhr.wi.gov/topic/airquality/ A Tier 2 Environmental Review will be conducted for each specific project.
Hazardous Industrial Operations (Thermal and Explosive Hazards)	Compliant	<input type="checkbox"/> Email <input type="checkbox"/> Letter <input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Website	No	https://mydatcp.wi.gov/Home/ServiceDetails/4a171523-04c7-e611-80f6-0050568c4f26?Key=Services_Group A Tier 2 Environmental Review will be conducted for each specific project.

Certification:

I certify that, to the best of my knowledge, this activity is in compliance with NEPA and the implementing regulations of the program funding this activity.


Signature of Preparer

5/24/2020
Date Signed

Kari Justmann
Printed Name of Preparer

Director of Housing, MSA Professional Services
Job Title, Name of Employer/Company/Firm

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PROJECT CLASSIFICATION

Complete only the pertinent information for the classification applicable to your project. Mark all other classification options as "Not Applicable."

Project Classification:

1. Exempt Activities

Not Applicable
(N/A)

Is this project considered Exempt under §58.34(a)? YES NO
If YES, select EXEMPT from the drop-down list (to the left), otherwise select N/A.

Projects consisting of Planning Activities only are automatically considered Exempt under 58.34(a).

If the project is for Planning Activities only then submit: *Environmental Report* cover page; *Environmental Report* Project Description; *Statement of Activities*; *Environmental Report* Determination of Categorical Exclusion or Exemption; and *Determination of Exemption* to the DEHCR Environmental Desk. No further information is required unless notified by DEHCR Environmental Desk.

2. Categorically Excluded, NOT Subject to §58.5

Not Applicable
(N/A)

Is this project considered Categorically Excluded as defined in §58.35(b)? YES NO
If YES, select CATEGORICALLY EXCLUDED, NOT SUBJECT TO from the drop-down list (to the left), otherwise select N/A.

If the project is considered Categorically Excluded, Not Subject to §58.5 then submit: *Environmental Report* cover page; *Environmental Report* Project Description; *Statement of Activities*; *Environmental Report* Determination of Categorical Exclusion or Exemption; and *Determination of Exemption* to the DEHCR Environmental Desk. No further information is required unless notified by DEHCR Environmental Desk.

3. Categorically Excluded, and SUBJECT to §58.5

Not Applicable
(N/A)

Based on the Statutory Checklist and Field Notes Checklist, is this project in compliance with applicable Laws and Authorities? YES NO

Based on the Statutory Checklist and Field Notes Checklist, did this project require further consultation with regulatory authorities? YES NO
If NO, select CONVERTED TO EXEMPT from the drop-down list (to the left);
If YES, select CATEGORICALLY EXCLUDED, AND SUBJECT TO from the drop-down list (to the left); Otherwise select N/A.

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If the project **IS in compliance** with all applicable Laws and Authorities and **does NOT require** further consultation with regulatory authorities/public agencies then the project converts to Exempt. Submit to the DEHCR Environmental Desk: *Environmental Report* cover page; *Part 1 Environmental Review Record*; and *Determination of Exemption*. No further information is required unless notified by DEHCR Environmental Desk.

If the project **is NOT in compliance** with all applicable Laws and Authorities and/or **DID require** further consultation with regulatory authorities/public agencies then any outstanding issues must be resolved. **Once all outstanding issues are resolved** then submit to the DEHCR Environmental Desk: *Environmental Report* cover page; *Part 1 Environmental Review Record*; copy of the *Notice of Intent to Request Release of Funds* (Attachment 4-F of Implementation Handbook) along with a signed and notarized affidavit of publication; and *Request for Release of Funds and Certification (HUD-7015.15)* (Attachment 4-H of Implementation Handbook). No further information is required unless notified by DEHCR Environmental Desk.

If the project **is NOT in compliance** with all applicable Laws and Authorities and/or **DOES require** further consultation with regulatory authorities/public agencies and any outstanding issues cannot be resolved then an Environmental Assessment must be completed.

4. Activities Requiring an Environmental Assessment

If the project is not Exempt, Converted to Exempt nor Categorically Excluded then an Environmental Assessment is required under §58.36.

Environmental
Assessment
REQUIRED

Is an Environmental Assessment required? YES NO
If NO, select N/A from the drop-down list (to the left).

Was there a Finding of Significant Impact? YES NO

If there is a Finding of No Significant Impact then submit to the DEHCR Environmental Desk: *Environmental Report* cover page; *Part 1 Environmental Review Record*; *Part 2 Environmental Assessment*; Copy of the *Combined Notice of Findings and Notice of Intent to Request Release of Funds* (Attachment 4-G of Implementation Handbook) along with a signed and notarized affidavit of publication; and *Request for Release of Funds and Certification (HUD-7015.15)* (Attachment 4-H of Implementation Handbook). No further information is required unless notified by DEHCR Environmental Desk.

If there is a Finding of Significant Impact, then an Environmental Impact Statement (EIS) is required. Please contact the DEHCR Environmental Desk for further information.

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SUMMARY

SUMMARY OF FINDINGS AND CONCLUSIONS *(Select one.)*

- The proposed project is in compliance with all laws and authorities pertaining to environmental review and found in 24 CFR 58.5. There are no conditions or circumstances requiring further review or analysis.
- The proposed project is not in compliance with all laws and authorities pertaining to environmental review and found in 24 CFR 58.5. There are conditions or circumstances requiring further review or analysis. An Environmental Impact Statement (EIS) may be required.

SUMMARY OF ENVIRONMENTAL CONDITIONS *(Select one.)*

- The project will have several beneficial effects on the human environment, including the provision of safe and affordable housing for low- and moderate-income households residing in _____ Columbia County _____. As proposed, the project will not be affected by any known adverse environmental conditions; nor will the project cause any adverse effect on adjacent or nearby properties or their residents.
(Name of UGLG)
- The project may have several non-beneficial effects on the human environment, including the provision of safe and affordable housing for low- and moderate-income households residing in _____ _____. As proposed, the project could be affected by any known adverse environmental conditions and may cause an adverse effect on adjacent or nearby properties or their residents. An Environmental Assessment is required under 24 CFR 58.36.
(Name of UGLG)

PROJECT MODIFICATIONS AND ALTERNATIVES CONSIDERED:

Renovation efforts will include proper handling of asbestos and lead based paint, when present. Federal Regulation 24CFR35 will be in compliance when addressing lead based paint in a house built prior to 1978. An effort to use environmentally sound construction practices should be made. These include using environmentally friendly materials, recycling materials when possible and using recycled materials when possible. Renovated homes should include energy saving and water conserving replacement items when this is appropriate.

If a building is 50 years of age or older, the administrator will consult the “Activities Exempt from Further Review” list to be certain that work can continue without further review. The Department of Administration will be consulted for any homes over 50 years, where the work is not exempt.

If a specific property proposed for rehabilitation is adjacent to or near the highway, noise-buffering measures will be considered as part of the project.

Floodplain maps will be reviewed for specific properties to ensure they are not located within the 100-year floodplain.

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We have reviewed the Wisconsin remedial Response Site Evaluation Report, Waste Disposal Sites in Wisconsin, DNR's LUST, Above Ground Storage Tanks and Spills List and have identified that there may be some within the Southern Housing Region. We will refer to the list as we continue the program. The Department of Administration will be consulted on a case by case basis if we find that any of the properties affected are in our project area and the Compliance Worksheets will be used for reference and compliance.

ADDITIONAL STUDIES PERFORMED:

Not applicable.

MITIGATION MEASURES NEEDED:

Not applicable.

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Field Notes Checklist

Project Number:	DEHCR Grant Agreement #: <u>HSG 20-05</u>	
Project Name: Southern Housing Region CDBG Housing Program		
Location: (street, city, county, state, and zip code)		
Number of Dwelling Units:	Project site is in a location described as:	
<input type="checkbox"/> New construction	<input checked="" type="checkbox"/> Central City	<input type="checkbox"/> Suburban
<input checked="" type="checkbox"/> Rehabilitation	<input type="checkbox"/> Infill urban development	<input checked="" type="checkbox"/> In developing rural area
	<input type="checkbox"/> In undeveloped area	

Instructions for Completing Field Notes Checklist:

It is required that this checklist be used by staff preparing an Environmental Report for projects classified as either Categorically Excluded, Subject to 58.5 (Environmental Review Record [ERR]) or requiring an Environmental Assessment (EA). It will constitute full documentation for many factors on the ERR and EA, and partial documentation for others. It will avoid narrative reports and expedite the environmental review process.

Preparers are to obtain and use, as appropriate, any environmental report (federal, state, or local) that may have already been prepared for the property or area in which the property is located in order to limit duplications of effort. If an ERR or EA for the project site has been approved by another state or federal agency, contact DOAEnvironmentalDesk@wisconsin.gov to determine if completion of the Checklist is required.

A site visit is strongly recommended for most projects. Before the site visit, review all background information submitted with the application including a Phase I (ASTM) Report (if applicable). During the site visit, the preparer is to:

- answer all relevant questions on this checklist;
- use the spaces provided for comments to include supplemental information as well as to record any recommended mitigation measures or requirements for project approval;
- key the answers to the relevant questions (using additional sheets of paper to provide more detailed information); and
- use the spaces provided for source documentation to cite the information source used (e.g., title of a technical report, map, or special study; site inspection/field observation; name and location of the qualified data source(s) that provided the information, for example, the local planning agency, the local housing and/or community development agency, the state environmental protection agency, the State Historic Preservation Officer, or other qualified data source.)

Several different types of maps will be useful in completing the review, such as a site plan, project area map, the USGS topographic map and FEMA flood map for the site area, and zoning/land use maps. Many of the conditions can and should be recorded directly on the project plan such as distances to major features/facilities (e.g., schools/fire stations). The plan can then be referenced as “source documentation” when completing the ERR and EA.

The Field Notes Checklist is based on Form HUD-4128 and HUD’s Environmental Assessment Guide for Housing Projects (Handbook 1390.2). Both documents can be found at: https://www.hud.gov/program_offices/administration/hudclips.

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1. Briefly describe proposed project:

The funds will be used for rehabilitation to owner occupied units, rehabilitation for landlords that rent to low to moderate income tenants and rehabilitation for tenants purchasing a single family property. Funds can also be used for down payment and closing cost assistance for tenants purchasing a single family property.

The rehabilitation projects will include a variety of activities including heating system upgrades, roof replacements, weatherization, lead-based paint hazard reduction and any other kind of project that may be necessary to make the house decent, safe and sanitary. This may also include hazard mitigation activities related to homes (including relocation) and the demolition of blighted homes with replacement of similar housing units.

2. Federal Funding Source:

- CDBG Planning
- CDBG Public Facilities
- CDBG Economic Development
- CDBG Public Facilities Economic Development
- CDBG CLOSE
- HOME
- RHD
- Other CDBG Small Cities Housing Program

3. Environmental Reports

List the federal, state, or local agencies contacted via letter, email or website to obtain their existing environmental reports and other data for the HUD environmental review for the proposed project. Include website address for those agencies contacted through a website.

List the agencies contacted: **See Statutory Checklist**

List major reports obtained: (attach the report(s) or otherwise list the title, author, and publication date). **See Appendix B and C**

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4. Planning (All projects)

(a) Is the project in compliance or conformance with the local zoning? If NO or NOT APPLICABLE, explain why: Yes No N/A

(b) Is the project located within a coastal management zone (15 counties with frontage on Lake Superior and Lake Michigan)? <https://doa.wi.gov/Pages/LocalGovtsGrants/CoastalManagement.aspx> Yes No
If your answer is YES, the state Coastal Zone Management (CZM) Agency must make a finding that the project is consistent with the approved state CZM program and you **must** attach the finding to this checklist.

(c) Is the project in compliance with the air quality State Implementation Plan (SIP)? <https://dnr.wi.gov/topic/airquality/> Yes No N/A

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

5. Historic Preservation (All projects)

Has the DOA Environmental Desk/State Historic Preservation Officer (SHPO) been notified of the project and requested to provide comments? 36 CFR 800 Protection of Historic Properties <https://gov.ecfr.io/cgi-bin/ECFR> Yes No

Is property listed on or eligible for listing on the National Register of Historic Places? Yes No

Is property located within or directly adjacent to an historic district? Yes No

Does the property's area of potential effects include an historic district or property? Yes No

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

6. Coastal Barrier Resources (All projects)

Is the project located within a coastal barrier zone designated on a current FEMA flood map or USFWS coastal barrier resources map? <https://www.fws.gov/cbra/maps/index.html> Yes No

If your answer is YES, the Coastal Barrier Resources Act (CBRA) **prohibits** Federal funding of projects in designated coastal barriers. Please contact the DEHCR Environmental Desk immediately (DOAEnvironmentalDesk@wisconsin.gov).

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

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7. Flood Management (All projects).

Is the project located within a Special Flood Hazard Area (1% risk floodplain) designated on a current FEMA flood map? 24 CFR 55 *Floodplain Management and Protection of Wetlands* <https://gov.ecfr.io/cgi-bin/ECFR>

Yes No

Community Name: _____

Community Identification Number (CID): _____

<https://www.fema.gov/national-flood-insurance-program-community-status-book>

Map Panel Number/Effective Date of Map Panel: _____

<https://msc.fema.gov/portal/home>;
<https://dnr.wi.gov/topic/surfacewater/swdvw/>

If your project is located within a mapped floodplain, please contact the DEHCR Environmental Desk immediately (DOAEnvironmentalDesk@wisconsin.gov).

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

8. Flood Insurance

Is the building located or to be located within a Special Flood Hazard Area identified on a current Flood Insurance Rate Map (FIRM)?

Yes No

If your answer is YES, flood insurance protection is required for buildings located or to be located within a Special Flood Hazard Area as a condition of approval of the project. In addition, compliance with § 55.12 and the floodplain management decision-making process (§ 55.20) is required. Document the map used to determine Special Flood Hazard Area including the community name, CID, map panel number and date of map panel.

9. Protection of Wetlands (E.O. 11990)

Are there drainage ways, streams, rivers, or coastlines on or near the site?

Yes No

Are there ponds, marshes, bogs, swamps or other wetlands on or near the site?

Yes No

Is the project located within a wetland designated on a National Wetlands Inventory map of the Department of the Interior (DOI)?

<https://www.fws.gov/wetlands/data/mapper.html>

Yes No

Is the project located within a wetland designated on a Wisconsin Wetlands Inventory map? <https://dnr.wi.gov/topic/surfacewater/swdvw/>

Yes No

If your answer is YES, E.O. 11990, Protection of Wetlands, discourages Federal funding of new construction or filling in wetlands. In wetlands, compliance is required with the wetlands decision-making process which can be found at: <https://www.hudexchange.info/environmental-review/wetlands-protection/>

Does the project disturb more than one (1) acre of land?

If your answer is YES, then provide a copy of an approved NPDES Stormwater Permit.

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

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Supporting Documentation including sources:

10. Endangered Species

Has the Department of Interior list of Endangered Species and Critical Habitats been reviewed?

<http://www.fws.gov/midwest/Endangered/section7/s7process/index.html>

Yes No

Has the WDNR Natural Heritage Inventory been reviewed?

<https://dnr.wi.gov/topic/erreview/publicportal.html>

Yes No

Is the project likely to affect any listed or proposed endangered or threatened species or critical habitats?

Yes No

If your answer is YES, compliance is required with Section 7 of the Endangered Species Act, which mandates consultation with the Fish and Wildlife Service in order to preserve the species. The WDNR should be contacted to ensure compliance with Wisconsin's Endangered Species Law (s.29.604, Wis. Stats).

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

11. Wild and Scenic Rivers

Is the proposed project on or near a wild and scenic river?

<https://www.rivers.gov/wisconsin.php>

Yes No

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

12. Sole Source Aquifers

Will the proposed project affect a sole source or other aquifer?

Yes No

Comments:

None in Wisconsin

Supporting Documentation including sources:

<https://www.epa.gov/dwssa>

13. Farmlands Protection

If the site or area is presently being farmed, does the project conform to the Farmland Protection Policy Act and HUD policy memo?

<https://www.hudexchange.info/environmental-review/farmlands-protection/>

Yes No

If your answer is YES, compliance is required with 7 CFR 658, Department of Agriculture regulations Implementing the Act.

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

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14. Unique Natural Features and Areas

Is the site near natural features (i.e., bluffs or cliffs) or near public or private scenic areas? Yes No

Are other natural resources visible on site or in vicinity? Will any such resources be adversely affected or will they adversely affect the project? Yes No

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

15. Noise Abatement

Is project located near a major noise source, i.e., FAA regulated airports or military airfields (within 15 miles), major highways or busy roads (within 1,000 feet), or railroads (within 3,000 feet)? Yes No
<https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control/>

If your answer is YES, comply with 24 CFR 51, Subpart B which requires a noise assessment for proposed new construction. Use adopted DNL contours if the noise source is an airport.

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

16. Airport Hazards

Is the project within 2,500 feet of a civil airport? Yes No

Is the project within 15,000 feet of a military airport? Yes No

If your answer is YES to either of the above questions, comply with 24 CFR 51, Subpart D.
<https://www.hudexchange.info/environmental-review/airport-hazards/>

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

17. Hazardous Industrial Operations

Are industrial facilities handling explosive or fire-prone materials such as liquid propane, gasoline or other storage tanks adjacent to or visible from the project site? Yes No

<https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities/>
https://datcp.wi.gov/Pages/Programs_Services/PetroleumHazStorageTanks.aspx

If your answer is YES, use HUD Hazards Guidance and comply with 24 CFR 51, Subpart C.

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Supporting Documentation including sources:

18. Toxic Chemicals and Radioactive Materials

Has a Phase I (ASTM) Report been submitted and reviewed? Yes No

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

- If your answer is NO, is a Phase I (ASTM) report needed? Yes No
- Are there issues that require a special/specific Phase II report before completing the environmental assessment? Yes No
- Is the project site near an industry disposing of chemicals or hazardous wastes? Yes No
- Is the site listed on an EPA Superfund National Priorities or CERCLA, or equivalent state list? Yes No
- Is the site located within 3,000 feet of a toxic or solid waste landfill site? Yes No
- Does the site have an underground storage tank? Yes No
- If your answer is YES to any of the above questions, use current techniques by qualified professionals to undertake investigations determined necessary and comply with § 50.3(i).*
- Are there any unresolved concerns that could lead to HUD being determined to be a Potential Responsible Party (PRP)? Yes No

<https://www.hudexchange.info/environmental-review/site-contamination/>;
<https://www.epa.gov/cleanups/cleanups-my-community>;
<https://dnr.wi.gov/topic/Brownfields/WRRD.html>;
https://datcp.wi.gov/Pages/Programs_Services/PetroleumHazStorageTanks.aspx

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Source Documentation: (attach Phase I ASTM report if applicable)

19. Site Suitability, Access, and Compatibility with Surrounding Development

- Has the site has been used as a dump, sanitary landfill or mine waste disposal area? Yes No
- Is there paved access to the site? Yes No
- Are there other unusual conditions on site? Yes No
- Is there indication of:

	Yes	No		Yes	No
Distressed vegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Oil/chemical spills	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Waste material/containers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Abandoned machinery, cars, refrigerators, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soil staining, pools of liquid	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Transformers, fill/vent pipes, pipelines, drainage structures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Loose/empty drums, barrels	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Is the project compatible with surrounding area in terms of:

	Yes	No		Yes	No
Land use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Building type (low/high-rise)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Height, bulk, mass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Building density	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Will the project be unduly influenced by:

Yes	No	Yes	No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

Building deterioration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Transition of land uses	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Postponed maintenance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Incompatible land uses	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Obsolete public facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inadequate off-street parking	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Are there air pollution generators nearby which would adversely affect the site:

	Yes	No		Yes	No
Heavy industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Large parking facilities (1000 or more cars)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Incinerators	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Heavy traveled highway (6 or more lanes)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Power generating plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Oil refineries	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Cement plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Source Documentation:

20. Soil Stability, Erosion, and Drainage

Slopes: Not Applicable Steep Moderate Slight

Is there evidence of slope erosion or unstable slope conditions on or near the site? Yes No

Is there evidence of ground subsidence, high water table, or other unusual conditions on the site? Yes No

Is there any visible evidence of soil problems (foundations cracking or settling, basement flooding, etc.) in the neighborhood of the site? Yes No

Have soil studies or borings been made for project site or area? Yes No Unknown

Do the soil studies or borings indicate marginal or unsatisfactory soil conditions? Yes No

Is there indication of cross-lot runoff, swales, drainage flows on the property? Yes No

Are there visual indications of filled ground? Yes No

If your answer is YES, was a 79(g) report/analysis submitted? Yes No

Are there active rills and gullies on site? Yes No

If the site is not to be served by a municipal waste water disposal system, has a report of the soil conditions suitable for on-site septic systems been submitted? Yes No N/A

Is a soils report (other than structural) needed? Yes No

Are structural borings or a dynamic soil analysis/geological study needed? Yes No

Comments:

Source Documentation:

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

21. Nuisances and Hazards

Will the project be affected by natural hazards:

	Yes	No		Yes	No
Faults, fracture	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fire hazard materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cliffs, bluffs, crevices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wind/sand storm concerns	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slope-failures from rains	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Poisonous plants, insects or animals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unprotected water bodies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hazardous terrain features	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Will the project be affected by man-made hazards and nuisances:

	Yes	No		Yes	No
Hazardous street	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inadequate screened	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dangerous intersection drainage catchments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hazards in vacant lots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Through traffic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chemical tank-car terminal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inadequate separation of pedestrian/vehicle traffic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other hazardous chemical storage	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Children's play areas located next to freeway or other high traffic way	<input type="checkbox"/>	<input checked="" type="checkbox"/>	High-pressure gas or liquid petroleum transmission lines on site	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inadequate street lighting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhead transmission lines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Quarries or other excavations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hazardous cargo transportation routes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dumps/sanitary landfills or mining	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Oil or gas wells	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Railroad crossing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Industrial operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Will the project be affected by nuisances:

	Yes	No		Yes	No
Gas, smoke, fumes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unightly land uses	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Odors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Front-lawn parking	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Abandoned vehicle	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glare from parking area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vermin infestation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vacant/boarded-up buildings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Industrial nuisances	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Other: _____	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Source Documentation:

22. Water Supply, Sanitary Sewers, and Solid Waste Disposal

Is the site served by an adequate and acceptable:

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

- water supply Yes No Municipal Private;
- sanitary sewers and waste water disposal systems Yes No Municipal Private; and
- trash collection and solid waste disposal Yes No Municipal Private.

If the water supply is non-municipal, has an acceptable “system” been approved by appropriate authorities and agencies? Yes No

If the sanitary sewers and waste water disposal systems are non-municipal, has an acceptable “system” been approved by appropriate authorities and agencies? Yes No

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Source Documentation:

23. Schools, Parks, Recreation, and Social Services

- Will the local school system have the capability to service the potential school age children from the project? Yes No
- Are parks and play spaces available on site or nearby? Yes No
- Will social services be available on site or nearby for residents of proposed project? Yes No

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Source Documentation:

24. Emergency Health Care, Fire and Police Services

- Are emergency health care providers located within reasonable proximity to the proposed project? Yes No
Approximate response time: Will differ for each project
- Are police services located within reasonable proximity to the proposed project? Yes No
Approximate response time: Will differ for each project
- Is fire fighting protection municipal volunteer adequate and equipped to service the project? Yes No
Approximate response time: Will differ for each project

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Source Documentation:

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

25. Commercial/Retail and Transportation

- Are commercial/retail shopping services nearby? Yes No
- Is the project accessible to employment, shopping and services by public transportation or private vehicle? Yes No
- Is adequate public transportation available from the project to these facilities? Yes No
- Are the approaches to the project convenient, safe and attractive? Yes No

26. Environmental Justice

- Is the project located in a predominantly minority and low-income neighborhood? Yes No
- Does the project site or neighborhood suffer from disproportionately adverse environmental effects on minority and low-income populations relative to the community-at-large? Yes No

If your answer is YES to both questions, compliance is required with E.O. 12898, Federal Actions to Address Environmental Justice.
<https://www.hudexchange.info/environmental-review/environmental-justice/>

Comments:

A Tier 2 Environmental Review will be conducted for each specific project.

Source Documentation:

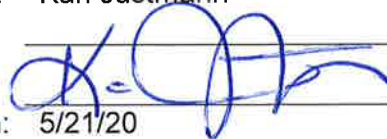
27. Conditions and Requirements for Approval:

- Are there any unresolved conflicts concerning the use of the site? Yes No
- If your answer is YES, briefly explain:

- Are mitigation measures required? Yes No

If your answer is YES, list and describe:

Field Inspection by: Kari Justmann (Name)

 (Signature)

on: 5/21/20 (Date)

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

PART 2 – ENVIRONMENTAL ASSESSMENT ENVIRONMENTAL ASSESSMENT CHECKLIST

Note to Reader: An Environmental Assessment (EA) is a concise public document that a Grantee must prepare in order to comply with the National Environmental Policy Act (NEPA) and the related federal state and local environmental laws and authorities. The EA must support decision making process and provide a clear rationale, justification, and documentation for ratings assigned.

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

For housing rehabilitation, acquisition, demolition and relocation

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

Environmental Assessment Factors [24CFR 58.40; Ref, CFR 1508 and 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	
Soil Suitability/Slope/Erosion/ Drainage/Stormwater Runoff	2	
Hazards and Nuisances including Site Safety and Noise	2	
Energy Consumption	1	

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	
Demographic Character Changes, Displacement	2	

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	
Commercial Facilities	2	
Health Care and Social Services	2	
Solid waste Disposal/Recycling	2	
Waste Water/Sanitary Sewers	2	
Water Supply	2	
Public Safety (Police, Fire and Emergency Medical)	2	
Parks, Open Space and Recreation	2	
Transportation and Accessibility	2	

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	
Vegetation, Wildlife	2	
Other Factors		

Additional Studies Performed:

Field Inspection (Date and completed by): 5/21/20 Kari Justmann

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

List of Permits Obtained:

Public Outreach [24 CFR 50.23 and 58.43]:

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

Combined Notice of Findings of No Significant Impact on the Environment and Notice of Intent to Request Release of Funds was published in the local newspaper and posted at each county in the Southern Housing Region.

Cumulative Impact Analysis [24 CFR 58.32]:

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

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

Summary of Findings and Conclusions:

Consultation with the applicable Laws and Authorities has determined that there will be no adverse impact, or only beneficial impact.

Division of Energy, Housing and Community Resources (DEHCR)

Community Development Block Grant – Environmental Report

IMPACT CERTIFICATION

- A FINDING OF NO SIGNIFICANT IMPACT has been made for this project for the following reason (check below):
- Consultation with the applicable Laws and Authorities has determined that there will be no adverse impact, or only beneficial impact.
 - An Environmental Assessment has been completed and any adverse impacts can be mitigated following correspondence with the appropriate laws, authorities, and agencies.
- A FINDING OF SIGNIFICANT IMPACT has been made for this project, and a full Environmental Impact Statement has been completed.

Kari Justmann, Director of Housing
Name and Title

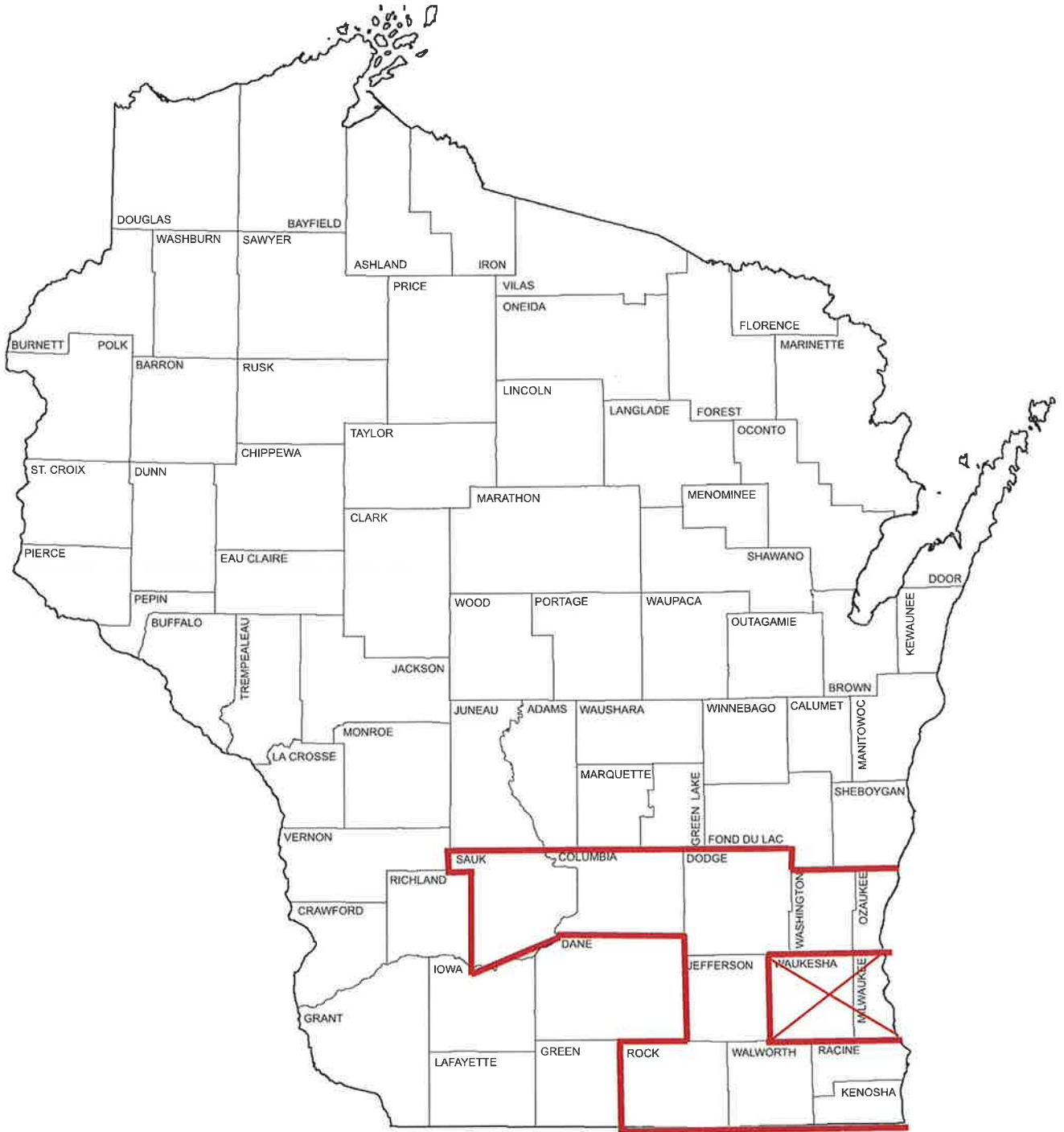
5/21/2020
Date Signed

MSA Professional Services, Inc.
Company/Firm


Signature

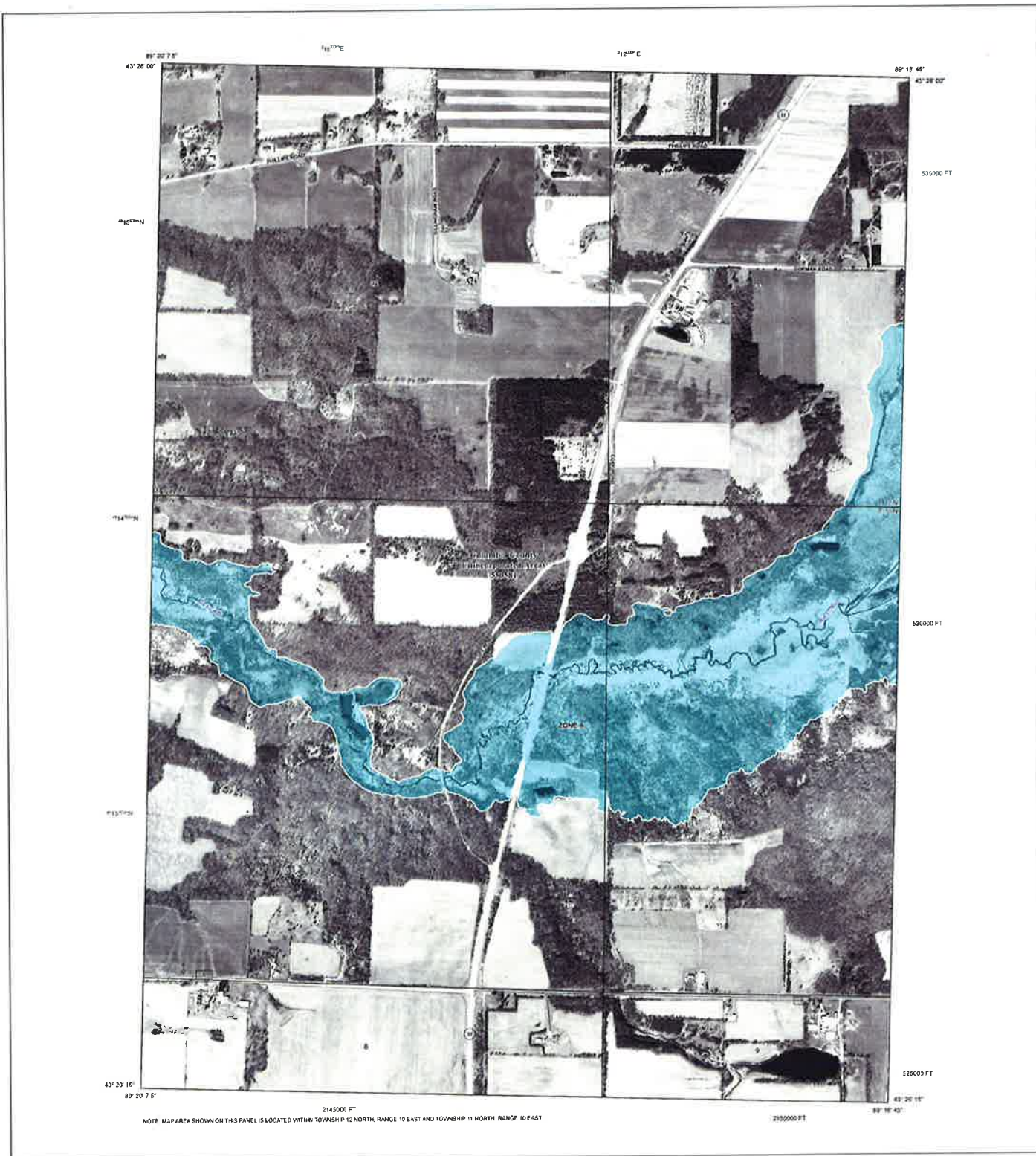
APPENDIX A

Site Map



SOUTHERN HOUSING REGION

APPENDIX B
Floodplain Maps



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 12 NORTH, RANGE 10 EAST AND TOWNSHIP 11 NORTH, RANGE 10 EAST

FLOOD HAZARD INFORMATION

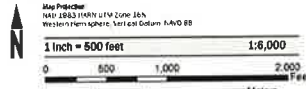
SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP
 THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING
 DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
[HTTP://MSC.FEMA.GOV](http://MSC.FEMA.GOV)

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, AD, AH, VE, AR
 - WIN BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
 - 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 A
 - Future Conditions 1% Annual Chance Flood Hazard Zone A
 - Area with Reduced Flood Risk due to Levee See Notes, Zone A
- OTHER AREAS OF FLOOD HAZARD**
 - NO SCREEN
 - Areas Determined to be Outside the 0.2% Annual Chance Floodplain Zone A
 - Area of Undetermined Flood Hazard Zone A, D
- OTHER AREAS**
 - Channel, Culvert, or Storm Sewer Accredited or Provisionally Accredited Levee, Dike, or Floodwall
 - Non-accredited Levee, Dike, or Floodwall
- GENERAL STRUCTURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
 - Coastal Transect
 - Coastal Transect Baseline

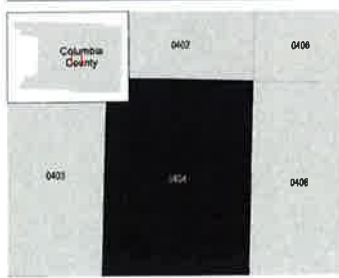
NOTES TO USERS

This information and its symbols are for informational purposes only. It is not intended to be used as a basis for any legal action. The information is provided as a public service. The information is not intended to be used as a basis for any legal action. The information is provided as a public service. The information is not intended to be used as a basis for any legal action.

SCALE



PANEL LOCATOR



**NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP**

**COLUMBIA COUNTY, WISCONSIN
 AND PRODUCE AREAS**

PANEL 404 of 620

COMMUNITY	NUMBER	PANEL	SUFFIX
COLUMBIA COUNTY	530061	0404	#

NOTES TO USERS

This map is to be used in conjunction with the National Flood Insurance Program (NFIP) community profile for Ozaucake County, Wisconsin. The map is not to be used as a substitute for a site-specific flood hazard analysis. The map is not to be used for purposes of determining flood insurance rates or for other purposes not intended by the NFIP.

To obtain current location, description, and/or location information for flood zones, contact the National Flood Insurance Program (NFIP) at 1-800-358-3247. For more information on the NFIP, visit the NFIP website at <http://www.flood.gov>.

This map is based on data provided by the National Flood Insurance Program (NFIP) and is not to be used for purposes of determining flood insurance rates or for other purposes not intended by the NFIP.

LEGEND

SPONSOR AND FUNDING

1. The National Flood Insurance Program (NFIP) is the largest provider of flood insurance in the United States. It is a federal program that provides flood insurance to property owners in participating communities. The NFIP is authorized by the National Flood Insurance Act of 1968, which was amended in 1990 and 1994.

GENERAL INFORMATION

2. This map is based on data provided by the National Flood Insurance Program (NFIP) and is not to be used for purposes of determining flood insurance rates or for other purposes not intended by the NFIP.

OTHER INFORMATION

3. This map is based on data provided by the National Flood Insurance Program (NFIP) and is not to be used for purposes of determining flood insurance rates or for other purposes not intended by the NFIP.

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LEGEND

SPONSOR AND FUNDING

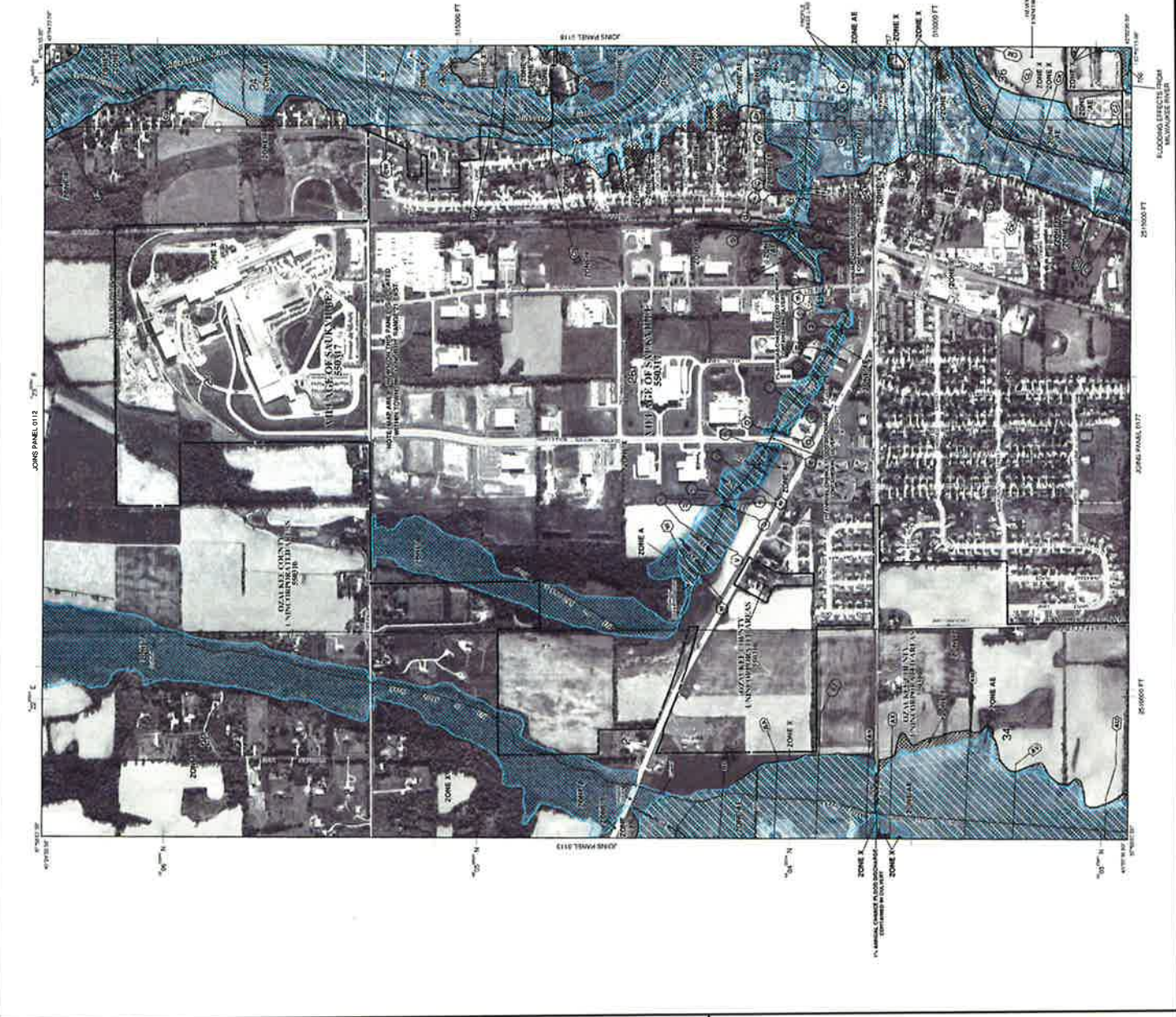
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OTHER INFORMATION

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FIRM FLOOD INSURANCE RATE MAP
OZAUCAKE COUNTY, WISCONSIN
AND INCORPORATED AREAS

PANEL 0114F

MAP NUMBER 68803014F
 MAP REVISION DATE DECEMBER 4, 2007

MAP SCALE 1" = 100'

NATIONAL FLOOD INSURANCE PROGRAM

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

FEDERAL EMERGENCY MANAGEMENT AGENCY

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not constitute a warranty, representation, or contract. It is provided as a guide only. It is not intended to be used as a basis for any other action. It is subject to change without notice. It is not to be construed as a contract. It is not to be construed as a contract. It is not to be construed as a contract.

Legend
SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO FLOOD INSURANCE PREMIUM SURCHARGE
Special Flood Hazard Areas (SFHA) are shown on this map. Areas within the SFHA are subject to a flood insurance premium surcharge. The SFHA are shown in blue on this map.

Zone A
Zone A is the area of the SFHA which is subject to a flood insurance premium surcharge. It is shown in blue on this map.

Zone B
Zone B is the area of the SFHA which is not subject to a flood insurance premium surcharge. It is shown in light blue on this map.

Zone C
Zone C is the area of the SFHA which is not subject to a flood insurance premium surcharge. It is shown in light blue on this map.

Zone D
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Zone E
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Zone F
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Zone G
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Zone H
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Zone I
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Zone J
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Zone K
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Zone L
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Zone M
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Zone N
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Zone O
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Zone P
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Zone Q
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Zone R
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Zone S
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Zone T
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Zone U
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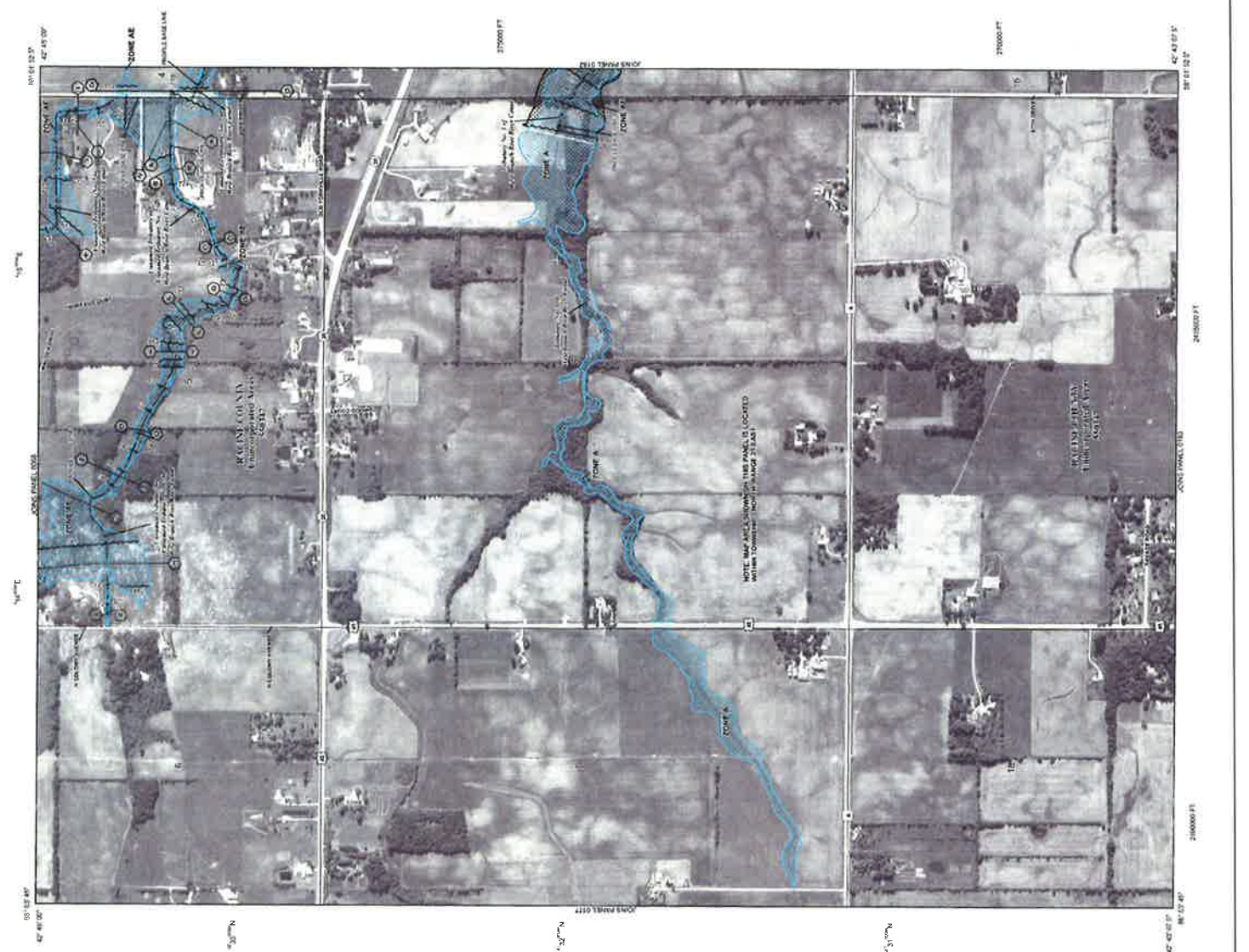
Zone V
Zone V is the area of the SFHA which is not subject to a flood insurance premium surcharge. It is shown in light blue on this map.

Zone W
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Zone X
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Zone Y
Zone Y is the area of the SFHA which is not subject to a flood insurance premium surcharge. It is shown in light blue on this map.

Zone Z
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NFP NATIONAL FLOOD INSURANCE PROGRAM
FIRM FLOOD INSURANCE RATE MAP
RACINE COUNTY,
WISCONSIN
AND INCORPORATED AREAS
DATE: 11/11/2011
EFFECTIVE DATE: MAY 2, 2012
MAP NUMBER: 5510C0181D
FEDERAL EMERGENCY MANAGEMENT AGENCY

LEGEND
SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO FLOOD INSURANCE PREMIUM SURCHARGE
Zone A
Zone B
Zone C
Zone D
Zone E
Zone F
Zone G
Zone H
Zone I
Zone J
Zone K
Zone L
Zone M
Zone N
Zone O
Zone P
Zone Q
Zone R
Zone S
Zone T
Zone U
Zone V
Zone W
Zone X
Zone Y
Zone Z

NOTES TO USERS
This map is for use in administering the National Flood Insurance Program. It does not constitute a warranty, representation, or contract. It is provided as a guide only. It is not intended to be used as a basis for any other action. It is subject to change without notice. It is not to be construed as a contract. It is not to be construed as a contract.

NOTES TO USERS

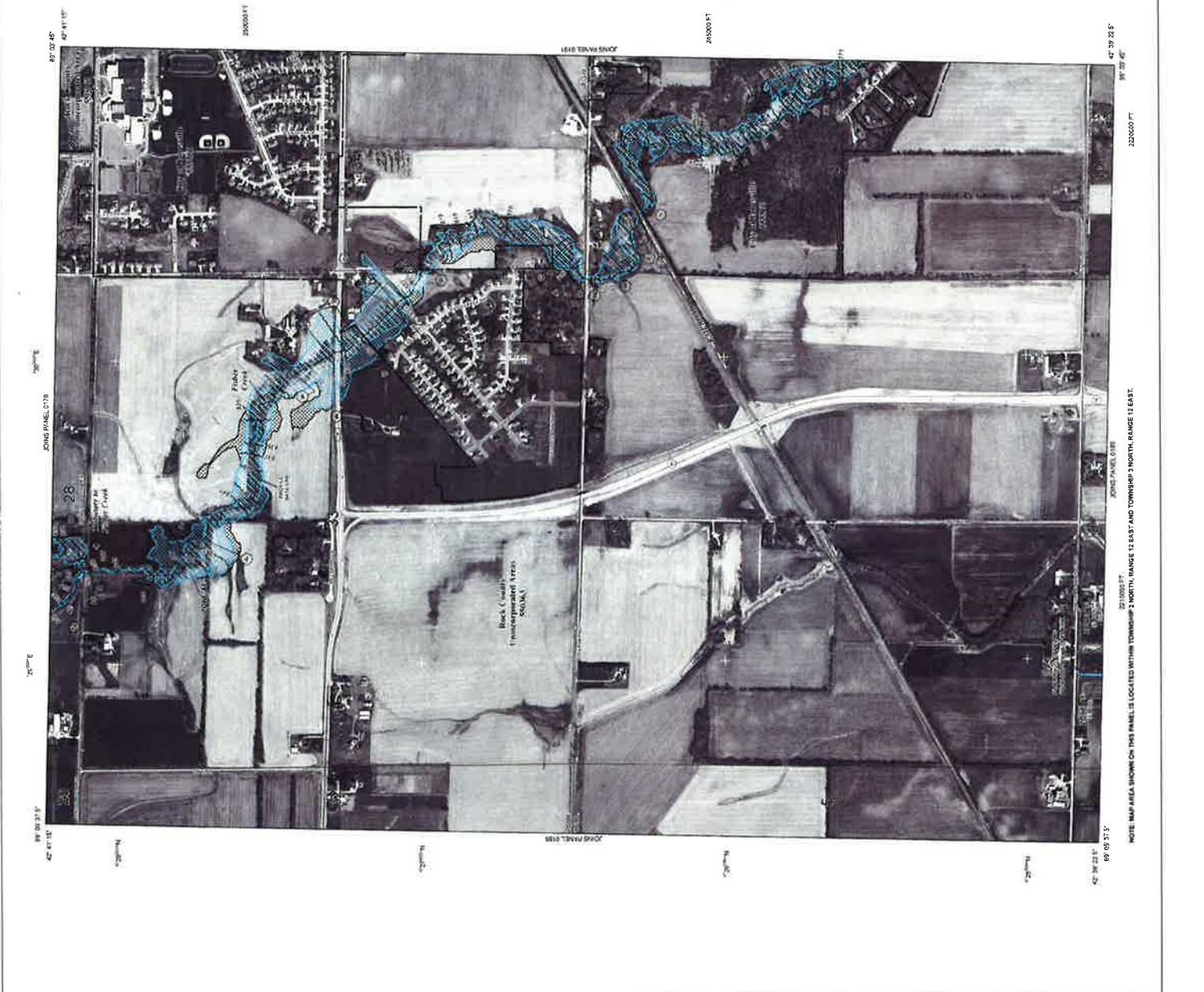
This map is for use in determining the National Flood Insurance Program's (NFIP) flood insurance eligibility. It is not intended to be used for any other purpose. The community map responsibility should be assigned to the community that has jurisdiction for possible additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) are shown, please refer to the National Flood Insurance Program's (NFIP) Flood Insurance Study (FIS) and Flood Insurance Rate Study (FIRS) for the community. The FIS and FIRS are available on the Internet at www.floodmaps.com. The FIS and FIRS also contain information on the community's flood insurance program, including information on the community's flood insurance program, including information on the community's flood insurance program.

Base Flood Elevations (BFEs) are shown on this map in feet above mean lower low water (MLLW) of the Gulf of Mexico. BFEs are shown in feet above MLLW. BFEs are shown in feet above MLLW. BFEs are shown in feet above MLLW.

For information on available products associated with the NFIP, visit the NFIP website at www.floodmaps.com. For information on the community's flood insurance program, contact the community's flood insurance agent.

If you have questions about this map, how to order products, or the National Flood Insurance Program in general, please call the NFIP's National Flood Insurance Program at 1-877-352-6707 or visit the NFIP's website at www.floodmaps.com.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO FLOOD INSURANCE PREMIUM ADJUSTMENTS

The SFHA are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 1.5 or greater are shown with a thick blue line. 2. Areas with a Flood Hazard Factor (FHF) of 1.0 or greater are shown with a thin blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.5 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line.

OTHER FLOOD AREAS

Zone A: 1% Annual Flood Frequency
 Zone B: 1% Annual Flood Frequency with 15% or greater wind-upset damage potential
 Zone C: 1% Annual Flood Frequency with 30% or greater wind-upset damage potential
 Zone D: 1% Annual Flood Frequency with 45% or greater wind-upset damage potential
 Zone E: 1% Annual Flood Frequency with 60% or greater wind-upset damage potential
 Zone F: 1% Annual Flood Frequency with 75% or greater wind-upset damage potential
 Zone G: 1% Annual Flood Frequency with 90% or greater wind-upset damage potential
 Zone H: 1% Annual Flood Frequency with 100% or greater wind-upset damage potential
 Zone I: 1% Annual Flood Frequency with 120% or greater wind-upset damage potential
 Zone J: 1% Annual Flood Frequency with 150% or greater wind-upset damage potential
 Zone K: 1% Annual Flood Frequency with 200% or greater wind-upset damage potential
 Zone L: 1% Annual Flood Frequency with 250% or greater wind-upset damage potential
 Zone M: 1% Annual Flood Frequency with 300% or greater wind-upset damage potential
 Zone N: 1% Annual Flood Frequency with 400% or greater wind-upset damage potential
 Zone O: 1% Annual Flood Frequency with 500% or greater wind-upset damage potential
 Zone P: 1% Annual Flood Frequency with 600% or greater wind-upset damage potential
 Zone Q: 1% Annual Flood Frequency with 700% or greater wind-upset damage potential
 Zone R: 1% Annual Flood Frequency with 800% or greater wind-upset damage potential
 Zone S: 1% Annual Flood Frequency with 900% or greater wind-upset damage potential
 Zone T: 1% Annual Flood Frequency with 1000% or greater wind-upset damage potential

OTHERWISE PROTECTED AREAS (OPA)

OPA are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

CONCRETE BANISER RESOURCES SYSTEM (CBRS) AREAS

CBRS are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

PROTECTIVE WALLS

Protective walls are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

PROTECTIVE WALLS WITH OPENINGS

Protective walls with openings are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

PROTECTIVE WALLS WITH GATES

Protective walls with gates are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

PROTECTIVE WALLS WITH SLUICES

Protective walls with sluices are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

PROTECTIVE WALLS WITH DAMS

Protective walls with dams are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

PROTECTIVE WALLS WITH BARRIERS

Protective walls with barriers are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

PROTECTIVE WALLS WITH OTHER STRUCTURES

Protective walls with other structures are shown on this map as follows: 1. Areas with a Flood Hazard Factor (FHF) of 0.1 or greater are shown with a solid blue line. 2. Areas with a Flood Hazard Factor (FHF) of 0.2 or greater are shown with a dashed blue line. 3. Areas with a Flood Hazard Factor (FHF) of 0.3 or greater are shown with a dotted blue line. 4. Areas with a Flood Hazard Factor (FHF) of 0.4 or greater are shown with a thick blue line.

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

ROCK COUNTY, WISCONSIN AND INCORPORATED AREAS

PANEL D187E OF 600

SEE MAP SHEET FOR FIRM PANEL LAYOUT

CONTRACT NUMBER 2015-0101
COMPLETION DATE 09/16/2015
DATE OF REVISION 09/16/2015

MAP NUMBER 55105C0187E
MAP REVISED SEPTEMBER 16, 2015

Federal Emergency Management Agency

NOTE TO USER: This map number shows only the areas that are included in the NFIP. Areas not shown on this map are not included in the NFIP. For more information, contact your local community.

MAP SCALE: 1" = 600'

MAP SCALE: 1" = 600'

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 2 NORTH, RANGE 12 EAST AND TOWNSHIP 3 NORTH, RANGE 12 EAST.

NOTES TO USERS

This map is for use in determining the National Flood Insurance Program (NFIP) flood insurance risk in areas subject to flooding. It does not constitute a warranty of accuracy, nor does it constitute a guarantee of any kind. It is intended for use in determining flood insurance risk only and should not be used for any other purpose. The user assumes all responsibility for the possible content of additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) are shown, users should refer to the Flood Insurance Study (FIS) Report for the community. The FIS Report contains the FIS data, including the BFEs, and is available on the National Flood Insurance Program website at www.flood.gov. The FIS Report also includes information on the community's flood hazard history, the community's flood hazard management plan, and the community's flood hazard mitigation plan.

Coastal Base Flood Elevations shown on this map apply only to areas of 100-year return period flooding. For information on the 500-year return period flooding, users should refer to the FIS Report. The FIS Report also includes information on the community's flood hazard history, the community's flood hazard management plan, and the community's flood hazard mitigation plan.

For more information on the NFIP, users should refer to the NFIP website at www.flood.gov. The NFIP website includes information on the NFIP's history, the NFIP's current operations, and the NFIP's future plans.

NFIP Information Services
 NSAA, NWS311
 3115 East-West Highway
 Silver Spring, MD 20910-2202
 (301) 715-5342

To obtain current elevation, exception, or other information for specific areas shown on the map, users should refer to the FIS Report. The FIS Report also includes information on the community's flood hazard history, the community's flood hazard management plan, and the community's flood hazard mitigation plan.

Based on current topographic information, this map reflects some detailed but up-to-date stream channel configurations and floodplain delineations. The FIS Report and Flood Hazard Data sheets for multiple events in the flood insurance study report contain additional information on the community's flood hazard history, the community's flood hazard management plan, and the community's flood hazard mitigation plan.

Coastal Base Flood Elevations shown on this map are based on the best data available at the time of the FIS Report. The FIS Report also includes information on the community's flood hazard history, the community's flood hazard management plan, and the community's flood hazard mitigation plan.

For more information on the NFIP, users should refer to the NFIP website at www.flood.gov. The NFIP website includes information on the NFIP's history, the NFIP's current operations, and the NFIP's future plans.

The FIS Report also includes information on the community's flood hazard history, the community's flood hazard management plan, and the community's flood hazard mitigation plan.

This map is for use in determining the National Flood Insurance Program (NFIP) flood insurance risk in areas subject to flooding. It does not constitute a warranty of accuracy, nor does it constitute a guarantee of any kind. It is intended for use in determining flood insurance risk only and should not be used for any other purpose. The user assumes all responsibility for the possible content of additional flood hazard information.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO SPECIAL FLOOD INSURANCE PREMIUMS

1. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

2. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

3. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

FLOODWAY AREAS (IN ZONE AE)

The presence of a floodway area is shown on this map by a light blue color. Floodway areas are shown in light blue on this map. Floodway areas are shown in light blue on this map.

OTHER FLOOD AREAS

1. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

2. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

CAPITAL BARBER RESOURCES SYSTEM (CBRS) AREAS

1. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

UNIFORM RESTRICTED AREAS (URAs)

1. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

Other Symbols

1. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

Scale

1:50,000

Map Information

Map Scale: 1" = 1000'

Map Date: 2008

Effective Dates of Revisions to this Panel

1. Areas subject to special flood insurance premiums are shown in blue on this map. The blue flood hazard areas are shown in blue on this map. The blue flood hazard areas are shown in blue on this map.

Map Information

Map Scale: 1" = 1000'

Map Date: 2008

Map Information

Map Scale: 1" = 1000'

Map Date: 2008

Map Information

Map Scale: 1" = 1000'

Map Date: 2008

Map Information

Map Scale: 1" = 1000'

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Map Scale: 1" = 1000'

Map Date: 2008

Map Information

Map Scale: 1" = 1000'

Map Date: 2008

Map Information

Map Scale: 1" = 1000'

Map Date: 2008

NFIP FIRM FLOOD INSURANCE RATE MAP SAUK COUNTY, WISCONSIN AND INCORPORATED AREAS

PANEL 985 OF 728 (SEE MAP INDEX FOR FIRM PANEL LOCATION)

MAP NUMBER: 55111C0385E
 MAP REVISION: DECEMBER 18, 2008

Federal Emergency Management Agency

NOTES TO USERS

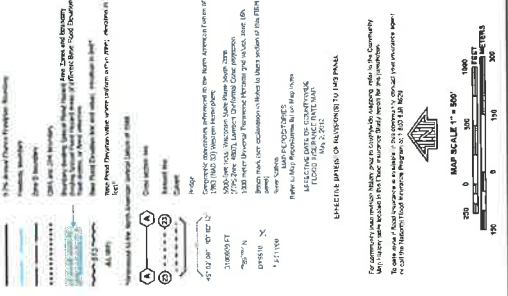
This map is the result of information from the National Flood Insurance Program. It does not necessarily reflect the actual conditions of the flood hazard areas. It is not a guarantee of the accuracy of the information. The information is provided for informational purposes only and is not intended for use as a basis for any legal action or other financial or other action. The information is provided for informational purposes only and is not intended for use as a basis for any legal action or other financial or other action.

To obtain current elevation, description, and location information for beach meadows, contact the National Flood Insurance Program at 1-800-368-7683. For more information, contact the National Flood Insurance Program at 1-800-368-7683.

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LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO FLOOD DAMAGE RISK:** Areas shown on this map are subject to flood damage from the following sources:
 - Zone A: Areas of high velocity water flow from rivers, streams, creeks, and other bodies of water.
 - Zone B: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone C: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone D: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone E: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone F: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone G: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone H: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone I: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone J: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone K: Areas subject to flooding from the overflow of water from adjacent lands.
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 - Zone M: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone N: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone O: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone P: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone Q: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone R: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone S: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone T: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone U: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone V: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone W: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone X: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone Y: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone Z: Areas subject to flooding from the overflow of water from adjacent lands.
- FLOODING AREAS IN ZONE AE:** Areas shown on this map are subject to flooding from the following sources:
 - Zone AE: Areas subject to flooding from the overflow of water from adjacent lands.
- OTHER FLOOD AREAS:** Areas shown on this map are subject to flooding from the following sources:
 - Zone B: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone C: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone D: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone E: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone F: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone G: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone H: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone I: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone J: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone K: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone L: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone M: Areas subject to flooding from the overflow of water from adjacent lands.
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 - Zone O: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone P: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone Q: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone R: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone S: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone T: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone U: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone V: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone W: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone X: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone Y: Areas subject to flooding from the overflow of water from adjacent lands.
 - Zone Z: Areas subject to flooding from the overflow of water from adjacent lands.
- OTHERWISE PROTECTED AREAS (OPAs):** Areas shown on this map are subject to flooding from the following sources:
 - Zone OP: Areas subject to flooding from the overflow of water from adjacent lands.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS:** Areas shown on this map are subject to flooding from the following sources:
 - Zone CB: Areas subject to flooding from the overflow of water from adjacent lands.
- SELECTIVE DUNE RESTORATION AREAS (SDRAs):** Areas shown on this map are subject to flooding from the following sources:
 - Zone SD: Areas subject to flooding from the overflow of water from adjacent lands.
- UNDESIRABLE EFFECTS OF INUNDATION (UEI) AREAS:** Areas shown on this map are subject to flooding from the following sources:
 - Zone UE: Areas subject to flooding from the overflow of water from adjacent lands.



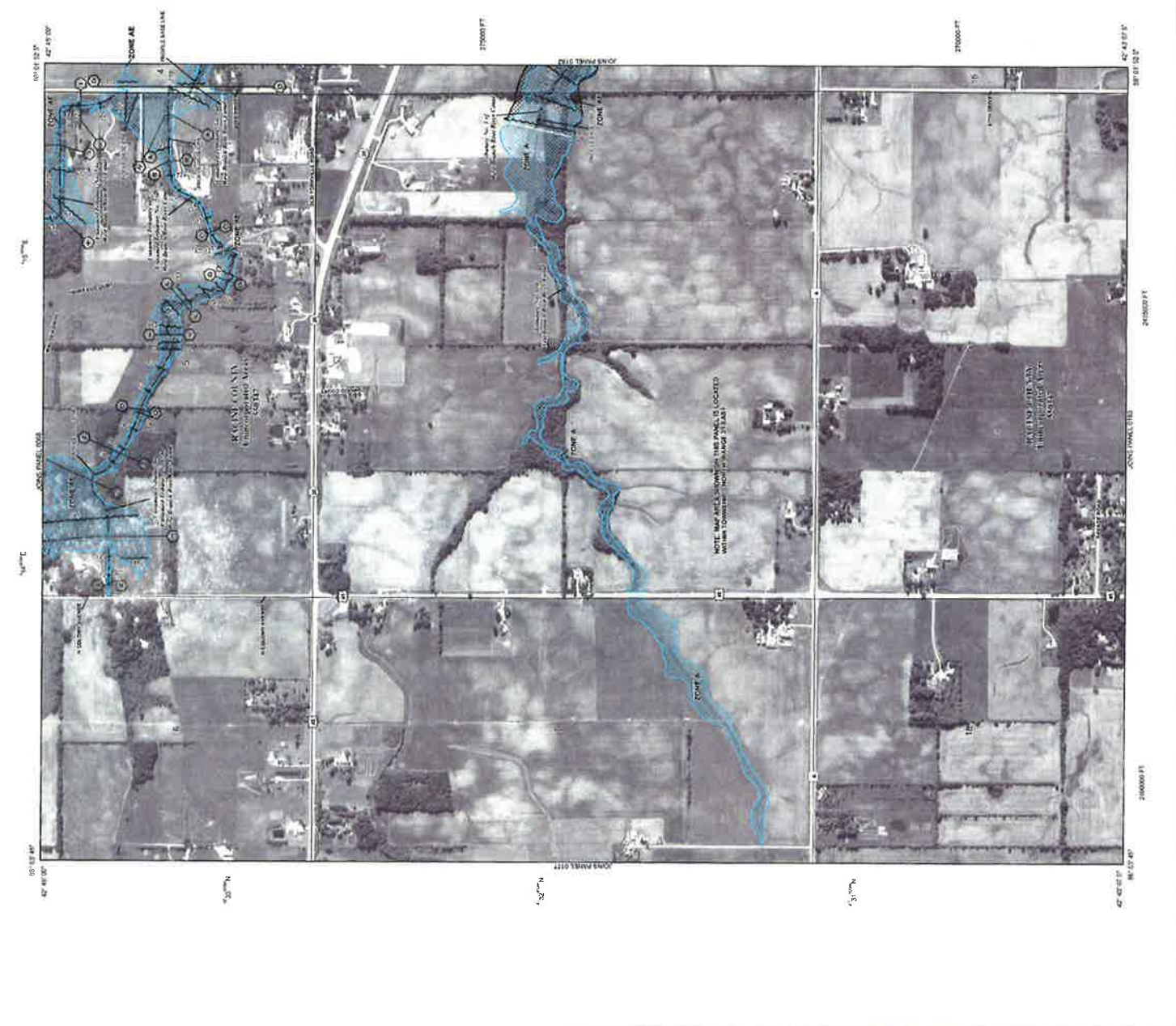
FIRM
FLOOD INSURANCE RATE MAP
RAVINE COUNTY,
WISCONSIN
AND INCORPORATED AREAS

MAP NO. 1101-01-001
DATE: 05/02/2012
SCALE: 1" = 300'

NATIONAL FLOOD INSURANCE PROGRAM

MAP NUMBER: 55101CO181D
EFFECTIVE DATE: MAY 2, 2012

Federal Emergency Management Agency



This map is the result of information from the National Flood Insurance Program. It does not necessarily reflect the actual conditions of the flood hazard areas. It is not a guarantee of the accuracy of the information. The information is provided for informational purposes only and is not intended for use as a basis for any legal action or other financial or other action. The information is provided for informational purposes only and is not intended for use as a basis for any legal action or other financial or other action.

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NOTES TO USERS

This map is the only authority as to the location of flood hazard areas. It does not constitute an endorsement of the accuracy of the information or any source of such data. The community is responsible for verifying the accuracy of such data. The community should verify the accuracy of such data before relying on them for any purpose.

To obtain more detailed information, please contact the State Flood Hazard Mitigation Office (SFHMO) at the following address: SFHMO, 1234 East Wisconsin Ave., Suite 200, Milwaukee, WI 53201. Telephone: (414) 224-4400. Fax: (414) 224-4401. Website: www.dhs.gov/sfhmo

GENERAL NOTE: Flood Hazard Areas shown on this map were derived from the 2003 National Flood Hazard Data Set (NFHD) and the 2003 National Flood Insurance Program (NFIP) Flood Hazard Study Report for this jurisdiction. The information is the best available information as of the date of the Flood Hazard Study Report and is not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy. These flood hazard areas are not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy.

OTHER INFORMATION: Flood Hazard Areas shown on this map were derived from the 2003 National Flood Hazard Data Set (NFHD) and the 2003 National Flood Insurance Program (NFIP) Flood Hazard Study Report for this jurisdiction. The information is the best available information as of the date of the Flood Hazard Study Report and is not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy. These flood hazard areas are not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy.

DISCLAIMER: The information on this map is derived from the best available information as of the date of the Flood Hazard Study Report and is not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy. These flood hazard areas are not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy.

FOR MORE INFORMATION: Contact the State Flood Hazard Mitigation Office (SFHMO) at the following address: SFHMO, 1234 East Wisconsin Ave., Suite 200, Milwaukee, WI 53201. Telephone: (414) 224-4400. Fax: (414) 224-4401. Website: www.dhs.gov/sfhmo

LEGEND

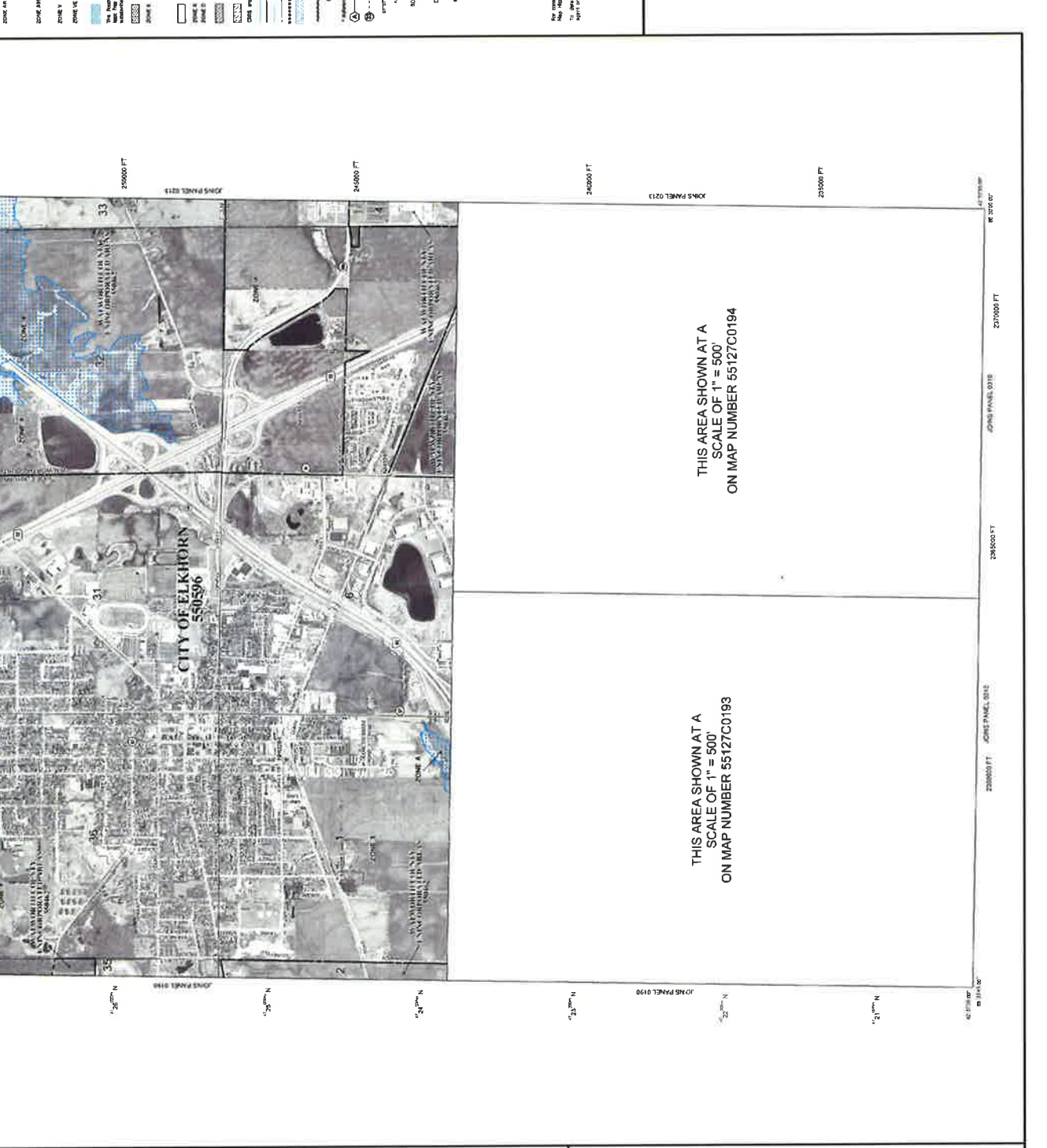
SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD:
SFHA 1. The area of land subject to flooding by the 1% Annual Chance Flood is shown on this map. The area of land subject to flooding by the 1% Annual Chance Flood is shown on this map. The area of land subject to flooding by the 1% Annual Chance Flood is shown on this map. The area of land subject to flooding by the 1% Annual Chance Flood is shown on this map.

OTHER AREAS:
Other areas shown on this map include... The information is provided as a service and is not intended to constitute a warranty or representation of accuracy.

OTHER INFORMATION: Flood Hazard Areas shown on this map were derived from the 2003 National Flood Hazard Data Set (NFHD) and the 2003 National Flood Insurance Program (NFIP) Flood Hazard Study Report for this jurisdiction. The information is the best available information as of the date of the Flood Hazard Study Report and is not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy.

DISCLAIMER: The information on this map is derived from the best available information as of the date of the Flood Hazard Study Report and is not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy. These flood hazard areas are not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy.

FOR MORE INFORMATION: Contact the State Flood Hazard Mitigation Office (SFHMO) at the following address: SFHMO, 1234 East Wisconsin Ave., Suite 200, Milwaukee, WI 53201. Telephone: (414) 224-4400. Fax: (414) 224-4401. Website: www.dhs.gov/sfhmo



THIS AREA SHOWN AT A SCALE OF 1" = 500' ON MAP NUMBER 55127C0193

THIS AREA SHOWN AT A SCALE OF 1" = 500' ON MAP NUMBER 55127C0194

MAP SCALE
1" = 500'
1" = 1000'
1" = 2000'

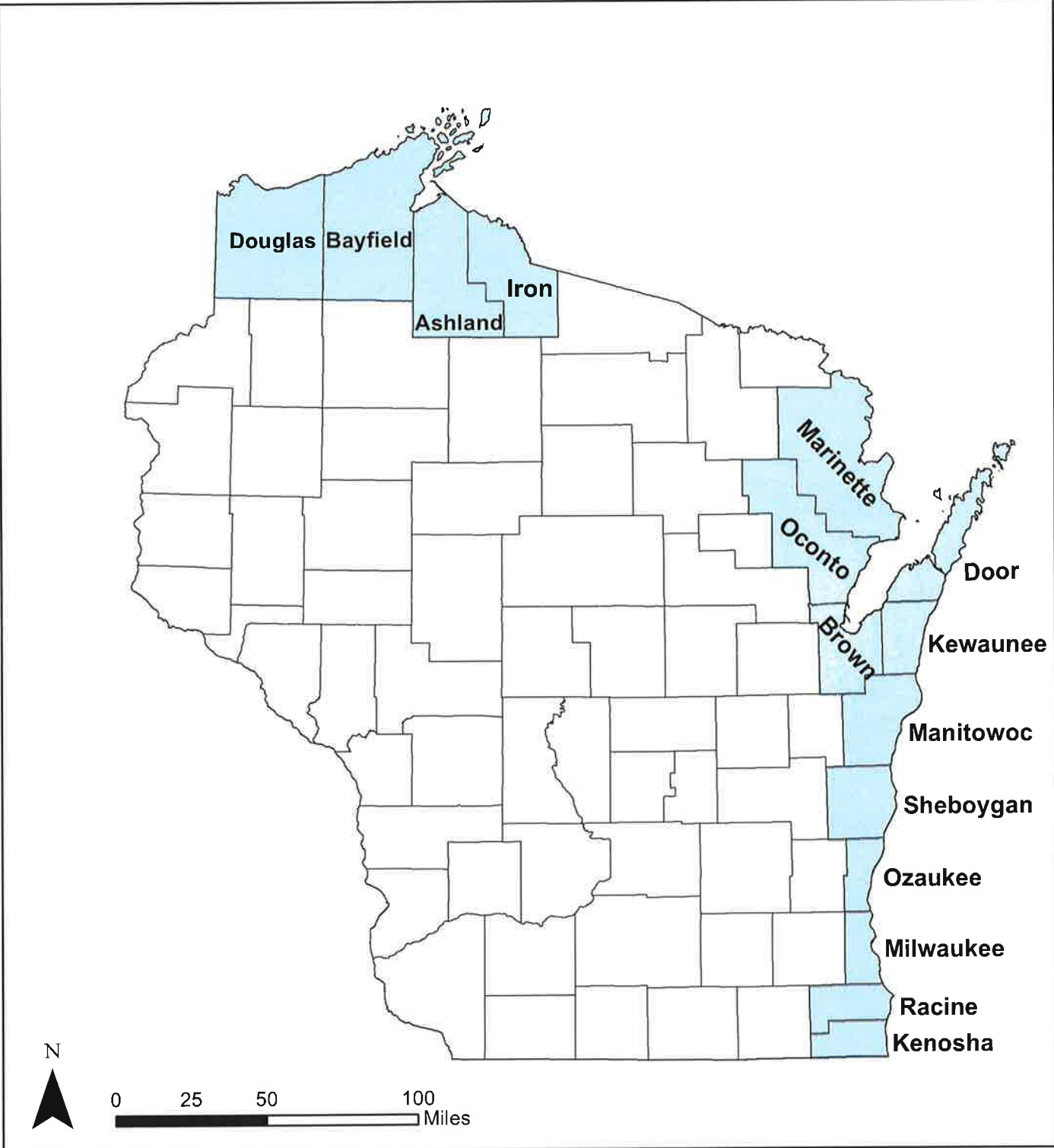
LETTERS
A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

LEGEND
Zone A
Zone B

OTHER INFORMATION: Flood Hazard Areas shown on this map were derived from the 2003 National Flood Hazard Data Set (NFHD) and the 2003 National Flood Insurance Program (NFIP) Flood Hazard Study Report for this jurisdiction. The information is the best available information as of the date of the Flood Hazard Study Report and is not intended to be used for engineering or other purposes. The information is provided as a service and is not intended to constitute a warranty or representation of accuracy.

APPENDIX C
Other Reviews

Wisconsin's Coastal Counties



Legend:

- Counties
- Coastal Counties



U.S. Fish and Wildlife Service

National Wetlands Inventory

Columbia County



U.S. Fish and Wildlife Service, National Standards and Support Team, Wetlands, LearningTools.gov

May 21, 2020

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

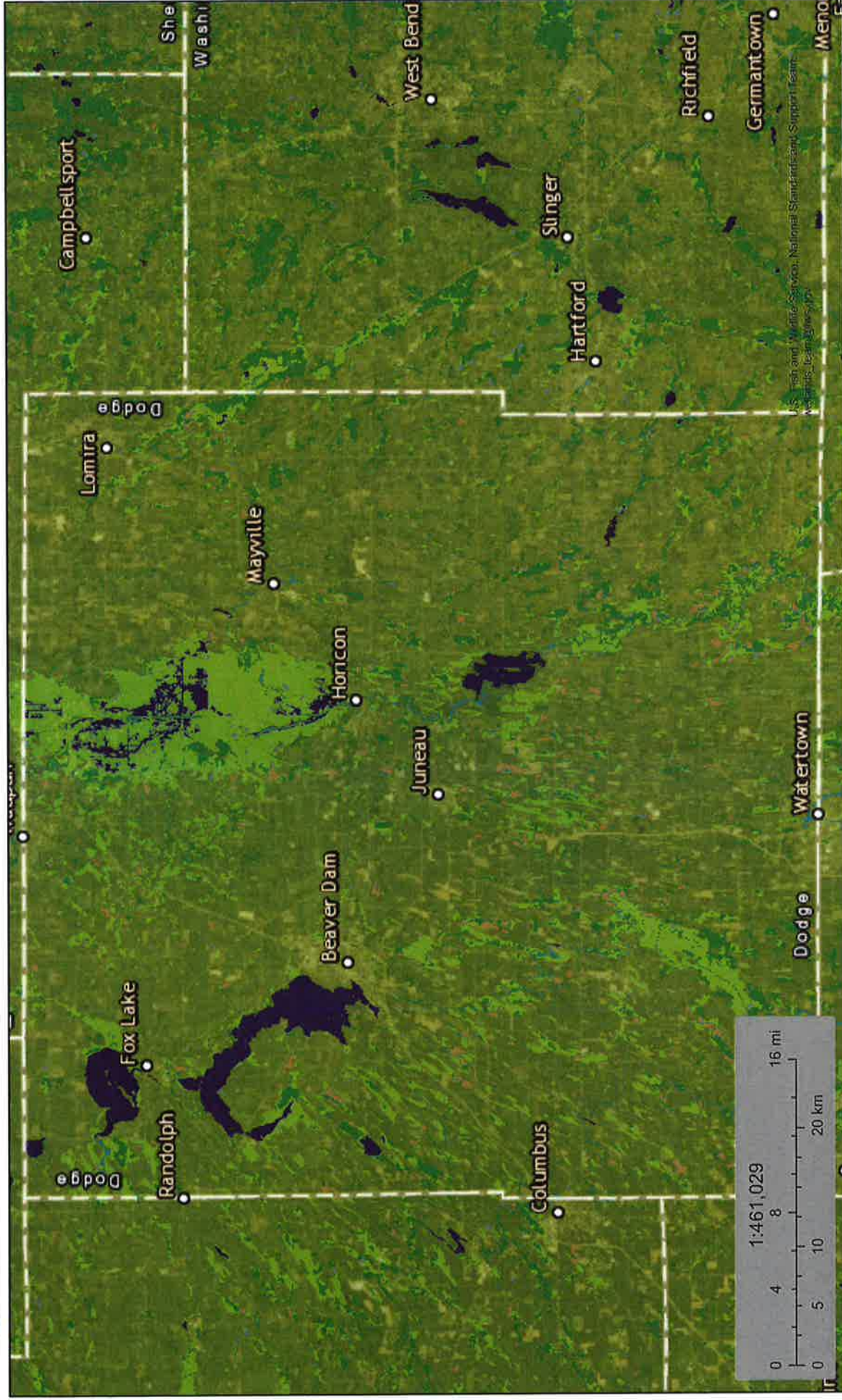
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



U.S. Fish and Wildlife Service

National Wetlands Inventory

Dodge County



May 21, 2020

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

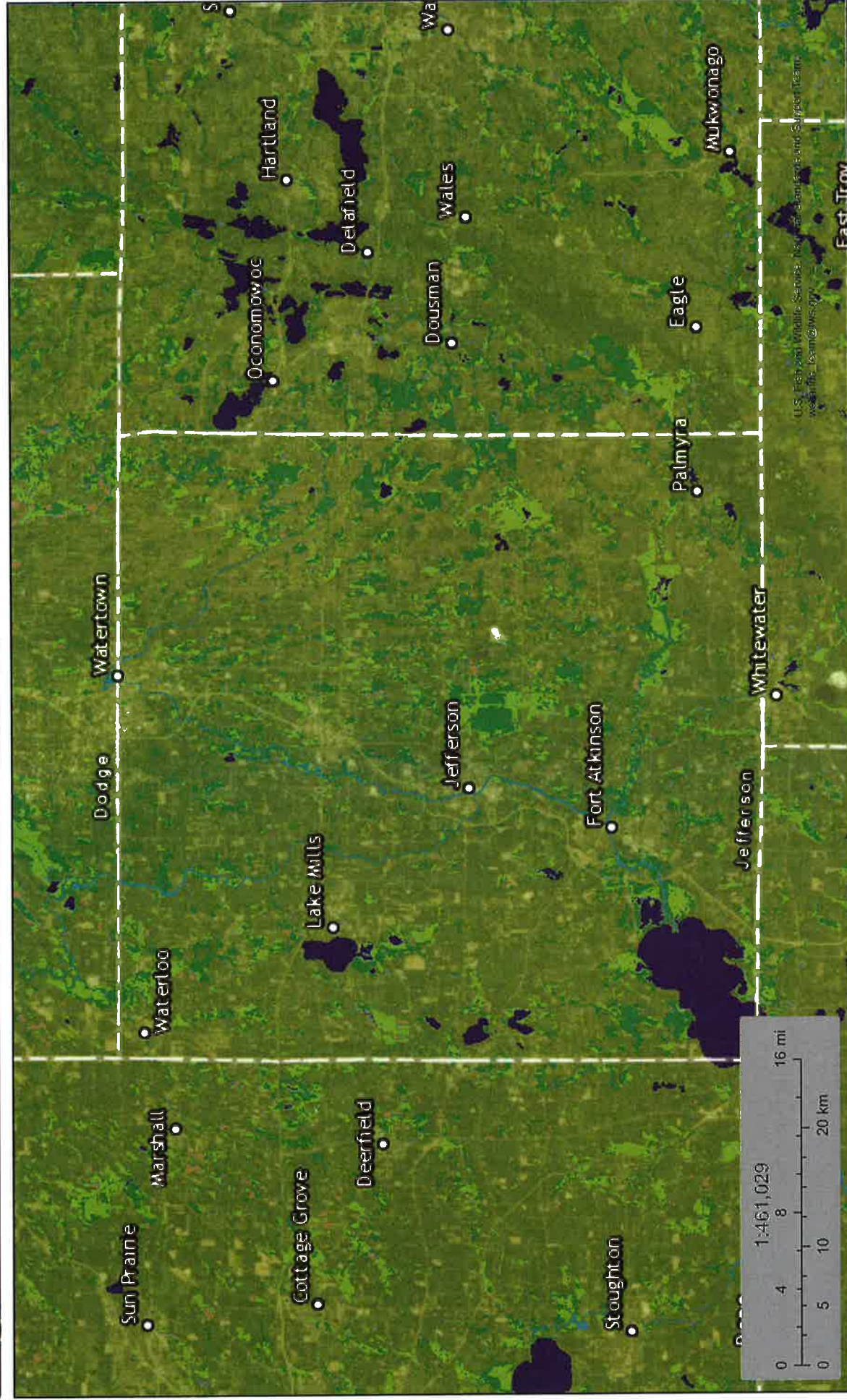
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



U.S. Fish and Wildlife Service

National Wetlands Inventory

Jefferson County



May 21, 2020

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

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U.S. Fish and Wildlife Service

National Wetlands Inventory

Kenosha County



May 21, 2020

Wetlands

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

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U.S. Fish and Wildlife Service

National Wetlands Inventory

Ozaukee County



May 21, 2020

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U.S. Fish and Wildlife Service

National Wetlands Inventory

Racine County



May 21, 2020

Wetlands

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

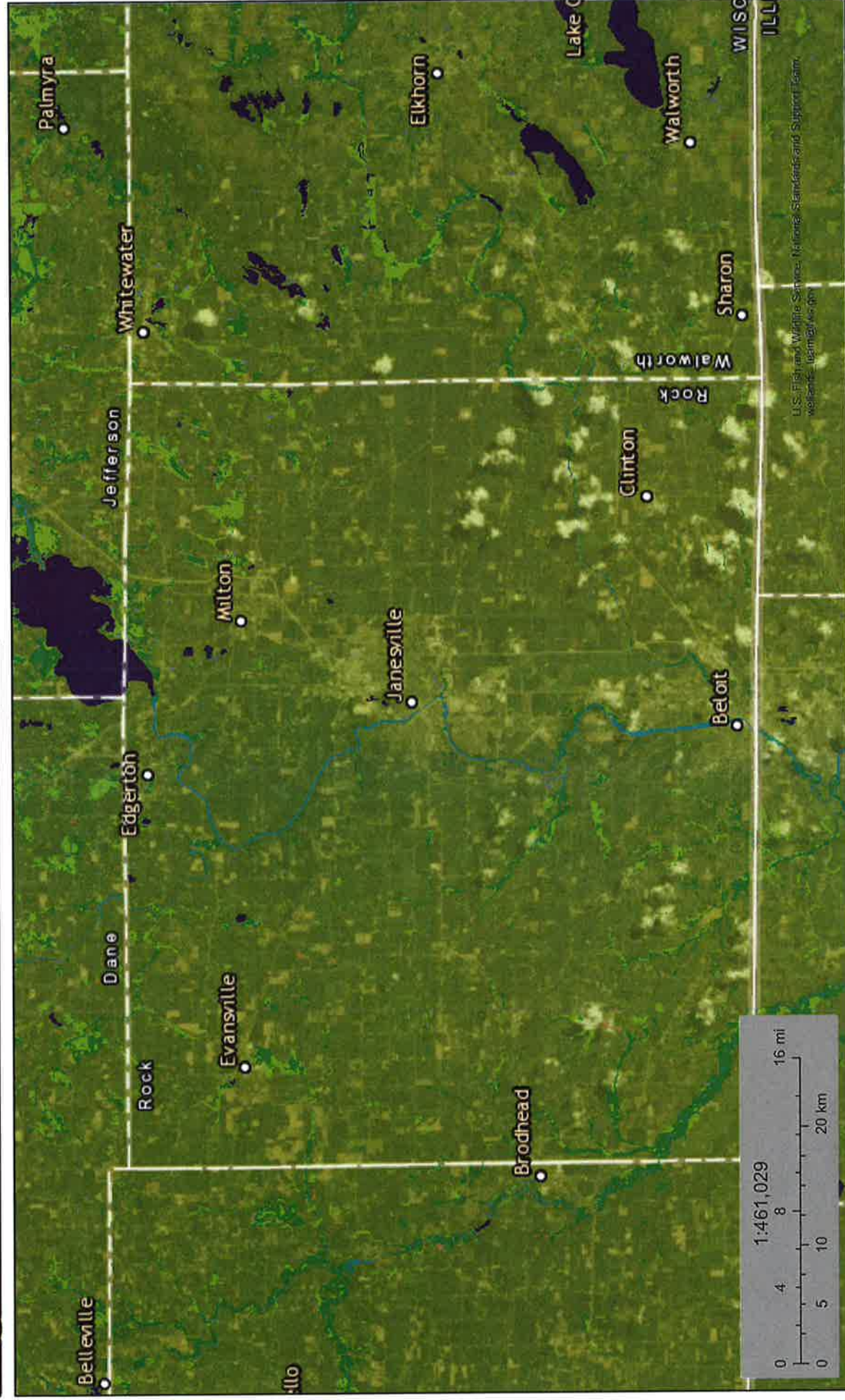
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U.S. Fish and Wildlife Service

National Wetlands Inventory

Rock County



U.S. Fish and Wildlife Service National Standards and Support Facility
wetlands-team@fws.gov

May 21, 2020

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

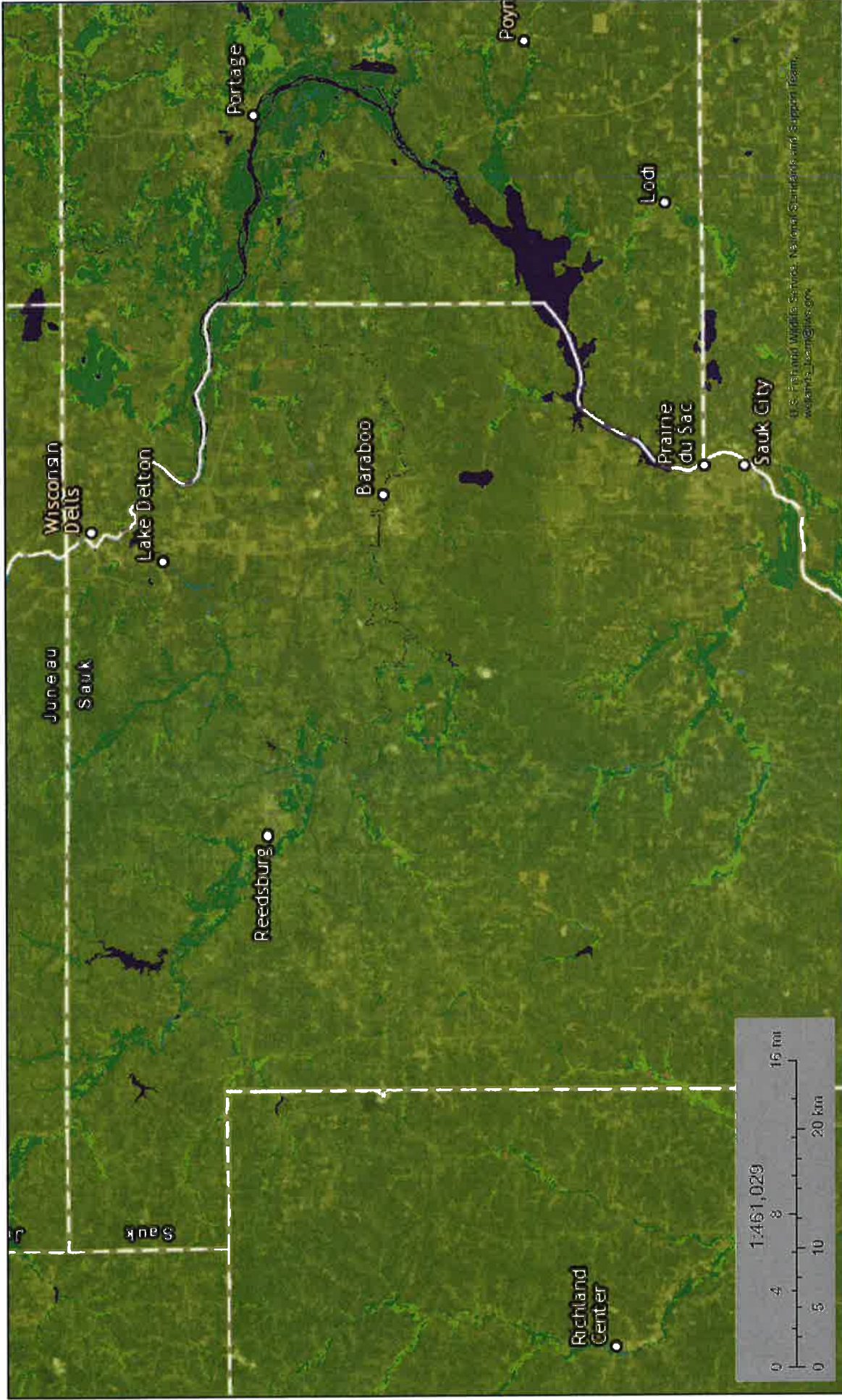
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



U.S. Fish and Wildlife Service

National Wetlands Inventory

Sauk County



May 21, 2020

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

- Other
- 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.



U.S. Fish and Wildlife Service

National Wetlands Inventory

Washington County



May 21, 2020

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

Columbia	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Whooping crane</u> <i>(Grus americanus)</i>	**Non-essential experimental population	Open wetlands and lakeshores
	<u>Higgins eye pearly mussel</u> <i>(Lampsilis higginsii)</i>	Endangered	Wisconsin River
	<u>Sheepnose</u> <i>(Plethobasus cyphus)</i>	Endangered	Wisconsin River
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.
	<u>Mead's milkweed</u> <i>(Asclepias meadii)</i>	Threatened	Upland tallgrass prairie or glade/barren habitat Note: all the Mead's milkweed sites in Wisconsin are reintroduction attempts and occur on protected conservation lands.
	<u>Prairie bush-clover</u> <i>(Lespedeza leptostachya)</i>	Threatened	Dry to mesic prairies with gravelly soil
	<u>Eastern Massasauga</u> <i>(Sistrurus catenatus)</i>	Threatened	Open to forested wetlands and adjacent upland areas

Dodge	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Whooping crane</u> <i>(Grus americanus)</i>	**Non-essential experimental population	Open wetlands and lakeshores
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.

Jefferson	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Whooping crane</u> <i>Grus americanus</i>	**Non-essential experimental population	Open wetlands and lakeshores
	<u>Eastern prairie fringed orchid</u> <i>(Platanthera leucophaea)</i>	Threatened	Wet grasslands

Kenosha	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Whooping crane</u> <i>Grus americanus</i>	**Non-essential experimental population	Open wetlands and lakeshores
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.
	<u>Eastern prairie fringed orchid</u> <i>(Platanthera leucophaea)</i>	Threatened	Wet grasslands

Ozaukee	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Rufa red knot</u> <i>(Calidris canutus rufa)</i>	Threatened	Along Lake Michigan
	<u>Hine's emerald dragonfly</u> <i>Somatochlora hineana</i>	Endangered	Calcareous streams & associated wetlands overlying dolomite bedrock
	<u>Hine's emerald dragonfly</u> <i>Somatochlora hineana</i>	Critical Habitat	<u>Critical Habitat Maps</u>
	<u>Eastern prairie fringed orchid</u> <i>Platanthera leucophaea</i>	Threatened	Wet grasslands

Racine	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Rufa red knot</u> <i>(Calidris canutus rufa)</i>	Threatened	Along Lake Michigan
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.

Rock	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Whooping crane</u> <i>Grus americanus</i>	**Non-essential experimental population	Open wetlands and lakeshores
	<u>Eastern massasauga</u> <i>Sistrurus catenatus</i>	Threatened	Open to forested wetlands and adjacent uplands
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.
	<u>Eastern prairie fringed orchid</u> <i>Platanthera leucophaea</i>	Threatened	Wet grasslands
	<u>Prairie bush-clover</u> <i>Lespedeza leptostachya</i>	Threatened	Dry to mesic prairies with gravelly soil

Sauk	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Whooping crane</u> <i>Grus americanus</i>	**Non-essential experimental population	Open wetlands and lakeshores
	<u>Higgins eye pearly mussel</u> <i>Lampsilis higginsii</i>	Endangered	Wisconsin River
	<u>Sheepnose</u> <i>Plethobasus cyphus</i>	Endangered	Wisconsin River
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.
	<u>Northern monkshood</u> <i>Aconitum noveboracense</i>	Threatened	North facing slopes
	<u>Prairie bush-clover</u> <i>Lespedeza leptostachya</i>	Threatened	Dry to mesic prairies with gravelly soil
	<u>Eastern Massasauga</u> <i>(Sistrurus catenatus)</i>	Threatened	Open to forested wetlands and adjacent upland areas

Walworth	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Whooping crane</u> <i>Grus americanus</i>	**Non-essential experimental population	Open wetlands and lakeshores
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.
	<u>Eastern massasauga</u> <i>Sistrurus catenatus</i>	Threatened	Open to forested wetlands and adjacent uplands
	<u>Eastern prairie fringed orchid</u> <i>Platanthera leucophaea</i>	Threatened	Wet grasslands

Washington	<u>Northern long-eared bat</u> <i>Myotis septentrionalis</i>	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.
	<u>Rusty patched bumble bee</u> <i>Bombus affinis</i> Note for project proponents: this bee is not known to occur throughout the entire county. To determine if your project or ongoing action is within an area that is likely to have the rusty patched bumble bee, use our online tool at https://ecos.fws.gov/ipac/	Endangered	Grasslands with flowering plants from April through October, underground and abandoned rodent cavities or clumps of grasses above ground as nesting sites, and undisturbed soil for hibernating queens to overwinter.
	<u>Whooping crane</u> <i>Grus americanus</i>	**Non-essential experimental population	Open wetlands and lakeshores

Wisconsin Natural Heritage Working List

The Wisconsin Natural Heritage Working List contains species known or suspected to be rare in the state and natural communities native to Wisconsin, together referred to as "Elements". It includes species legally designated as "Endangered" or "Threatened" as well as species in the advisory "Special Concern" category. Most of the elements on the list are actively tracked and we encourage data submissions for all elements listed. This list is meant to be dynamic and may be updated as often as new information regarding the biological status of elements becomes available. The Natural Heritage Program welcomes your input on any aspect of this list. Wisconsin's Extirpated Species List is included at the end. **Changes from the previous list (06/14) are bolded.**

Key

ELCODE: Unique 10 digit code for each element (plant, animal, or natural community).

Scientific Name: Scientific name used by the Wisconsin Natural Heritage Inventory Program.

Common Name: Standard, contrived, or agreed upon common names.

Global Rank: Global element rank. Refer to the Rank Definition Sheet below.

State Rank: State element rank. Refer to the Rank Definition Sheet below.

US Status: Current federal protection status designated by the U.S. Fish and Wildlife Service indicating the biological status of a species in Wisconsin. LE = listed endangered; LT = listed threatened; PE = proposed for listed as endangered; PT = proposed for listed as threatened; NEP = nonessential experimental population(s) in part of its range; C = candidate for future listing; CH = Critical Habitat; SOC = *Species of Concern; HPR = High Potential Range.

*Federal Species of Concern are those species that may be in need of concentrated conservation actions, which vary depending on the health of the populations and degree and types of threats. They receive no legal protection and are not necessarily species that will eventually be proposed for listing as threatened or endangered.

State Status: Protection category designated by the Wisconsin DNR. END = Endangered; THR = Threatened; SC = Special Concern;

WDNR and federal regulations regarding Special Concern species range from full protection to no protection. The current categories and their respective levels of protection are as follows: SC/P = protected wild animal; SC/N = no laws regulating use, possession, or harvesting; SC/H = take regulated by establishment of open closed seasons; SC/FL = federally protected as endangered or threatened, but not so designated by WDNR; SC/M = fully protected by federal and state laws under the Migratory Bird Act.

Special Concern species are those species about which some problem of abundance or distribution is suspected but not yet proven. The main purpose of this category is to focus attention on certain species before they become threatened or endangered.

**GLOBAL & STATE ELEMENT RANK DEFINITIONS
WISCONSIN NATURAL HERITAGE INVENTORY PROGRAM**

GLOBAL ELEMENT RANKS:

- G1 Critically Imperiled. At very high risk of extinction or elimination due to very restricted range, very few populations or occurrences, very steep declines, very severe threats, or other factors.
- G2 Imperiled. At high risk of extinction or elimination due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
- G3 Vulnerable. At moderate risk of extinction or elimination due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
- G4 Apparently secure. At fairly low risk of extinction or elimination due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.
- G5 Secure. At very low risk of extinction or elimination due to a very extensive range, abundant populations or occurrences, and little to no concern from declines or threats.
- G#G# A numeric range rank (e.g., G2G3, G1G3) is used to indicate uncertainty about the exact status of a taxon or ecosystem type. Ranges cannot skip more than two ranks (e.g., GU should be used rather than G1G4).
- GNA A conservation status rank is not applicable because the species or ecosystem is not a suitable target for conservation activities.
- GNR Global rank not yet assessed.
- GU Unrankable due to lack of information or substantially conflicting information about status or trends. Note: whenever possible (when the range of uncertainty is three consecutive ranks or less), a range rank (e.g., G2G3) should be used to delineate the limits (range) of uncertainty.
- GH Possibly Extinct (species) / Eliminated (ecosystems) — Known from only historical occurrences but still some hope of rediscovery. Examples of evidence include (1) that a species has not been documented in approximately 20–40 years despite some searching and/or some evidence of significant habitat loss or degradation; (2) that a species or ecosystem has been searched for unsuccessfully, but not thoroughly enough to presume that it is extinct or eliminated throughout its range.
- GX Presumed Extinct (species) — Not located despite intensive searches and virtually no likelihood of rediscovery. Presumed Eliminated (natural community) — Eliminated throughout its range, due to loss of key dominant and characteristic taxa and/or elimination of the sites and ecological processes on which the type depends.

Species with a questionable taxonomic assignment are given a "Q" after the global rank.

Subspecies and varieties are given sub-ranks composed of the letter "T" plus a number or letter. The definition of the second character of the sub-rank parallels that of the full global rank. (Examples: a rare subspecies of a rare species is ranked G1T1; a rare subspecies of a common species is ranked G5T1.)

STATE ELEMENT RANKS – NEW DEFINITIONS:

- S1 Critically imperiled in Wisconsin due to a very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors.
- S2 Imperiled in Wisconsin due to a restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
- S3 Vulnerable in Wisconsin due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
- S4 Apparently secure in Wisconsin due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.
- S5 Secure in Wisconsin due to a very extensive range, abundant populations or occurrences, with little to no concern from declines or threats.
- S#S# A range rank (S2S3, S1S3) is used to indicate any range of uncertainty regarding the status of the element in Wisconsin.
- SNA A state rank is not applicable because the element is not a suitable target for conservation activities, typically because it is non-native, accidental, irregular, a long-distance migrant/transitory, or the element's presence in Wisconsin is unconfirmed.
- SNR Not ranked. State conservation status not yet assessed.
- SU Unrankable due to lack of information or substantially conflicting information about status or trends.
- SH Known from only historical records. The element may no longer be present in Wisconsin, but there is not enough evidence to state this with certainty. The SH rank is used when an element's presence has not been documented in decades despite some searching and there is evidence of significant habitat loss or degradation, or when an element has been searched for unsuccessfully, but not thoroughly enough to presume that it is no longer present in Wisconsin.
- SX Presumed to be extirpated from Wisconsin. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.

STATE RANKING OF LONG-DISTANCE MIGRANT ANIMALS:

Ranking long distance aerial migrant animals presents special problems relating to the fact that their non-breeding status (rank) may be quite different from their breeding status, if any, in Wisconsin. In other words, the conservation needs of these taxa may vary between seasons. In order to present a less ambiguous picture of a migrant's status, it is necessary to specify whether the rank refers to the breeding (B) or non-breeding (N) status of the taxon in question. (e.g. S2B,S5N).

ELCODE	Scientific Name	Common Name	Global Rank	State Rank	US ESA Status	State Status
RARE MAMMALS						
AMAJA01030	<i>Canis lupus</i>	Gray Wolf	G4G5	S4	LE	SC/FL
AMACC04010	<i>Eptesicus fuscus</i>	Big Brown Bat	G5	S2S4		THR
AMAFB09030	<i>Glaucomys sabrinus</i>	Northern Flying Squirrel	G5	S3		SC/P
AMACC02010	<i>Lasionycteris noctivagans</i>	Silver-haired Bat	G3G4	S3		SC/N
AMAJF01040	<i>Martes americana</i>	American Marten	G5	S2		END
AMAFF11140	<i>Microtus ochrogaster</i>	Prairie Vole	G5	S2		SC/N
AMAFF11150	<i>Microtus pinetorum</i>	Woodland Vole	G5	S2		SC/N
AMACC01010	<i>Myotis lucifugus</i>	Little Brown Bat	G3	S2S4		THR
AMACC01150	<i>Myotis septentrionalis</i>	Northern Long-eared Bat	G1G2	S1S2	LT	THR
AMAFH02010	<i>Napaeozapus insignis</i>	Woodland Jumping Mouse	G5	S2		SC/N
AMACC03020	<i>Perimyotis subflavus</i>	Eastern Pipistrelle (Tri-colored Bat)	G2G3	S1S3		THR
AMAFF03042	<i>Peromyscus maniculatus bairdii</i>	Prairie Deer Mouse	G5T5	S2S3		SC/N
AMABA01150	<i>Sorex palustris</i>	Water Shrew	G5	S3		SC/N
AMAFB05120	<i>Poliocitellus franklinii</i>	Franklin's Ground Squirrel	G5	S2		SC/N
RARE BIRDS						
ABNKC12060	<i>Accipiter gentilis</i>	Northern Goshawk	G5	S2B,S2N	SOC	SC/M
ABPBXA0030	<i>Ammodramus henslowii</i>	Henslow's Sparrow	G4	S2S3B	SOC	THR
ABPBXA0040	<i>Ammodramus leconteii</i>	Le Conte's Sparrow	G4	S2S3B		SC/M
ABPBXA0070	<i>Ammodramus nelsoni</i>	Nelson's Sparrow	G4	S1B		SC/M
ABPBXA0020	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	G5	S2S3B		SC/M
ABNJB10040	<i>Anas rubripes</i>	American Black Duck	G5	S2S3B		SC/M
ABNTA07070	<i>Antrostomus vociferus</i>	Eastern Whip-poor-will	G5	S2B		SC/M
ABNGA04040	<i>Ardea alba</i>	Great Egret	G5	S2B		THR
ABNSB13040	<i>Asio flammeus</i>	Short-eared Owl	G5	S1B,S3N		SC/M
ABNSB13010	<i>Asio otus</i>	Long-eared Owl	G5	S2B		SC/M
ABNNF06010	<i>Bartramia longicauda</i>	Upland Sandpiper	G5	S2B		THR
ABNGA01020	<i>Botaurus lentiginosus</i>	American Bittern	G4	S2S3B		SC/M
ABNJB18010	<i>Bucephala clangula</i>	Common Goldeneye	G5	S2B,S5N		SC/M
ABNKC19030	<i>Buteo lineatus</i>	Red-shouldered Hawk	G5	S3S4B,S1N		THR
ABPB118100	<i>Catharus ustulatus</i>	Swainson's Thrush	G5	S2B		SC/M
ABNNB03070	<i>Charadrius melodus</i>	Piping Plover	G3	S1B	LE	END
ABNNM10020	<i>Chlidonias niger</i>	Black Tern	G4	S2B	SOC	END
ABPBX96010	<i>Chondestes grammacus</i>	Lark Sparrow	G5	S2S3B		SC/M
ABNTA02020	<i>Chordeiles minor</i>	Common Nighthawk	G5	S2S3B		SC/M
ABPBY09020	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	G5	S2B,S2N		SC/M
ABNLC21020	<i>Colinus virginianus</i>	Northern Bobwhite	G4G5	S1B		SC/M
ABPAE32010	<i>Contopus cooperi</i>	Olive-sided Flycatcher	G4	S2B		SC/M
ABNME01010	<i>Coturnicops noveboracensis</i>	Yellow Rail	G4	S1B		THR
ABPBXA9010	<i>Dolichonyx oryzivorus</i>	Bobolink	G5	S2S3B		SC/M
ABPAE33070	<i>Empidonax minimus</i>	Least Flycatcher	G5	S3B		SC/M
ABPAE33020	<i>Empidonax virens</i>	Acadian Flycatcher	G5	S3B		THR
ABPBXB5010	<i>Euphagus carolinus</i>	Rusty Blackbird	G4	S2B,S2N		SC/M
ABPBXB5020	<i>Euphagus cyanocephalus</i>	Brewer's Blackbird	G5	S2S3B		SC/M
ABNLC09010	<i>Falcipecten canadensis</i>	Spruce Grouse	G5	S1S2		THR
ABNKD06070	<i>Falco peregrinus</i>	Peregrine Falcon	G4	S1S2B		END
ABPBX11010	<i>Geothlypis formosa</i>	Kentucky Warbler	G5	S1S2B		THR
ABPBX08010	<i>Helmitheros vermivorum</i>	Worm-eating Warbler	G5	S1B		END
ABNND01010	<i>Himantopus mexicanus</i>	Black-necked Stilt	G5	S1B		SC/M
ABNNM08020	<i>Hydroprogne caspia</i>	Caspian Tern	G5	S1B,S2N		END
ABPBX24010	<i>Icteria virens</i>	Yellow-breasted Chat	G5	S2B		SC/M
ABNGA02010	<i>Ixobrychus exilis</i>	Least Bittern	G5	S2S3B		SC/M
ABPBR01030	<i>Lanius ludovicianus</i>	Loggerhead Shrike	G4	S1B	SOC	END
ABNYF04040	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	G5	S3B		SC/M
ABNGA13010	<i>Nyctanassa violacea</i>	Yellow-crowned Night-Heron	G5	S1B		THR
ABNGA11010	<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	G5	S2B		SC/M
ABPBX11020	<i>Oporornis agilis</i>	Connecticut Warbler	G4	S2B		SC/M
ABPAV01010	<i>Perisoreus canadensis</i>	Gray Jay	G5	S2S3		SC/M
ABNNF20010	<i>Phalaropus tricolor</i>	Wilson's Phalarope	G5	S1B		SC/M
ABNYF07090	<i>Picoides arcticus</i>	Black-backed Woodpecker	G5	S1S3B		SC/M
ABNCA03020	<i>Podiceps grisegena</i>	Red-necked Grebe	G5	S1B		END
ABPAW01060	<i>Poecile hudsonicus</i>	Boreal Chickadee	G5	S2S3B		SC/M
ABPBX95010	<i>Poocetes gramineus</i>	Vesper Sparrow	G5	S2S3B		SC/M

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ABPAU01010	<i>Progne subis</i>	Purple Martin	G5	S2S3B		SC/M
ABPBX07010	<i>Protonotaria citrea</i>	Prothonotary Warbler	G5	S2B		SC/M
ABNME05070	<i>Rallus elegans</i>	King Rail	G4	S1B		SC/M
ABPBX05020	<i>Regulus calendula</i>	Ruby-crowned Kinglet	G5	S2S3B		SC/M
ABNNF19020	<i>Scolopax minor</i>	American Woodcock	G5	S3S4		SC/M
ABPBX03240	<i>Setophaga cerulea</i>	Cerulean Warbler	G4	S2S3B	SOC	THR
ABPBX16010	<i>Setophaga citrina</i>	Hooded Warbler	G5	S2S3B		THR
ABPBX03130	<i>Setophaga dominica</i>	Yellow-throated Warbler	G5	S1B		END
ABPBX03180	<i>Setophaga kirtlandii</i>	Kirtland's Warbler	G3G4	S1B	LE	END
ABPBX65010	<i>Spiza americana</i>	Dickcissel	G5	S3B		SC/M
ABNNM08090	<i>Sterna forsteri</i>	Forster's Tern	G5	S1B		END
ABNNM08070	<i>Sterna hirundo</i>	Common Tern	G5	S1B,S2N	SOC	END
ABPBXB2020	<i>Sturnella magna</i>	Eastern Meadowlark	G5	S2S3B		SC/M
ABPBXB2030	<i>Sturnella neglecta</i>	Western Meadowlark	G5	S2B		SC/M
ABNLC13010	<i>Tympanuchus cupido</i>	Greater Prairie-Chicken	G4	S1		THR
ABNLC13030	<i>Tympanuchus phasianellus</i>	Sharp-tailed Grouse	G5	S1		SC/H
ABPBX01030	<i>Vermivora chrysoptera</i>	Golden-winged Warbler	G4	S3B	SOC	SC/M
ABPBW01110	<i>Vireo bellii</i>	Bell's Vireo	G5	S2B		THR
ABPBXB3010	<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird	G5	S1S2B		SC/M
RARE AMPHIBIANS						
AAABC01040	<i>Acris blanchardi</i>	Blanchard's Cricket Frog	G5	S1		END
AAAAD08010	<i>Hemidactylium scutatum</i>	Four-toed Salamander	G5	S3?		SC/H
AAABH01160	<i>Lithobates palustris</i>	Pickrel Frog	G5	S3?		SC/H
AAABH01190	<i>Lithobates septentrionalis</i>	Mink Frog	G5	S3		SC/H
RARE REPTILES						
ARAAG01020	<i>Apalone mutica</i>	Smooth Softshell	G5	S3		SC/H
ARACJ02110	<i>Aspidoscelis sexlineata</i>	Six-lined Racerunner	G5	S2S3		SC/H
ARADB02020	<i>Carphophis vermis</i>	Western Wormsnake	G5	S1		SC/H
ARADB07010	<i>Coluber constrictor</i>	North American Racer	G5	S2		SC/P
ARADE02040	<i>Crotalus horridus</i>	Timber Rattlesnake	G4	S2S3		SC/P
ARADB10013	<i>Diadophis punctatus arnyi</i>	Prairie Ring-necked Snake	G5T5	S2S3		SC/H
ARAAD04010	<i>Emydoidea blandingii</i>	Blanding's Turtle	G4	S3S4	SOC	SC/P
ARAAD02020	<i>Glyptemys insculpta</i>	Wood Turtle	G3	S3	SOC	THR
ARACB02010	<i>Ophisaurus attenuatus</i>	Slender Glass Lizard	G5	S1		END
ARADB13090	<i>Pantherophis spiloides</i>	Gray Ratsnake	G5	S3		SC/P
ARADB26020	<i>Pituophis catenifer</i>	Gophersnake	G5	S2S3		SC/P
ARACH01100	<i>Plestiodon septentrionalis</i>	Prairie Skink	G5	S3		SC/H
ARADB27040	<i>Regina septemvittata</i>	Queensnake	G5	S1		END
ARADE03011	<i>Sistrurus catenatus</i>	Eastern Massasauga	G4	S1	LT	END
ARAAD08020	<i>Terrapene ornata</i>	Ornate Box Turtle	G5	S1		END
ARADB36020	<i>Thamnophis butleri</i>	Butler's Gartersnake	G4	S3S4		SC/H
ARADB36090	<i>Thamnophis proximus</i>	Western Ribbonsnake	G5	S1		END
ARADB36100	<i>Thamnophis radix</i>	Plains Gartersnake	G5	S2?		SC/H
ARADB36120	<i>Thamnophis sauritus</i>	Eastern Ribbonsnake	G5	S1		END
ARADB38010	<i>Tropidoclonion lineatum</i>	Lined Snake	G5	S1S2		SC/H
RARE FISHES						
AFCAA01020	<i>Acipenser fulvescens</i>	Lake Sturgeon	G3G4	S3		SC/H
AFCFA01030	<i>Alosa chrysochloris</i>	Skipjack Herring	G5	S1		END
AFCEA01010	<i>Anguilla rostrata</i>	American Eel	G4	S2		SC/N
AFCHA01140	<i>Coregonus zenithicus</i>	Shortjaw Cisco	G3	S1	SOC	SC/H
AFCQC01010	<i>Crystallaria asprella</i>	Crystal Darter	G3	S1	SOC	END
AFCJC04010	<i>Cycleptus elongatus</i>	Blue Sucker	G3G4	S2		THR
AFCJB50050	<i>Erimystax x-punctatus</i>	Gravel Chub	G4	S1		END
AFCJC05020	<i>Erimyzon sucetta</i>	Lake Chubsucker	G5	S3		SC/N
AFCQC02020	<i>Etheostoma asprigene</i>	Mud Darter	G4	S3		SC/N
AFCQC02120	<i>Etheostoma chlorosoma</i>	Bluntnose Darter	G5	S1		END
AFCQC02450	<i>Etheostoma microperca</i>	Least Darter	G5	S3		SC/N
AFCNB04250	<i>Fundulus dispar</i>	Starhead Topminnow	G4	S2		END
AFCGA01010	<i>Hiodon alosoides</i>	Goldeye	G5	S2		END
AFCJB15010	<i>Hybopsis amnis</i>	Pallid Shiner	G4	S1		END
AFCJC07030	<i>Ictiobus niger</i>	Black Buffalo	G5	S2		THR
AFCQB11080	<i>Lepomis megalotis</i>	Longear Sunfish	G5	S2		THR
AFCJB51040	<i>Luxilus chrysocephalus</i>	Striped Shiner	G5	SH		END

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AFCJB52080	<i>Lythrurus umbratilis</i>	Redfin Shiner	G5	S2		THR
AFCJB53080	<i>Macrhybopsis hyostoma</i>	Shoal Chub	G5	S2		THR
AFCJC10040	<i>Moxostoma carinatum</i>	River Redhorse	G4	S2		THR
AFCJC10070	<i>Moxostoma duquesnei</i>	Black Redhorse	G5	S1		END
AFCJB28080	<i>Notropis anogenus</i>	Pugnose Shiner	G3	S2		THR
AFCJB28680	<i>Notropis nobilus</i>	Ozark Minnow	G5	S2		THR
AFCKA02250	<i>Noturus exilis</i>	Slender Madtom	G5	S1		END
AFCQC04090	<i>Percina evides</i>	Gilt Darter	G4	S2S3		THR
AFCAB01010	<i>Polyodon spathula</i>	Paddlefish	G4	S2		THR
RARE MUSSELS AND CLAMS						
IMBIV02040	<i>Alasmidonta marginata</i>	Elktoe	G4	S3		SC/P
IMBIV02110	<i>Alasmidonta viridis</i>	Slippershell Mussel	G4G5	S2		THR
IMBIV04130	<i>Anodonta suborbiculata</i>	Flat Floater	G5	S2S3		SC/P
IMBIV06010	<i>Arcidens confragosus</i>	Rock Pocketbook	G4	S1S2		THR
IMBIV08010	<i>Cumberlandia monodonta</i>	Spectaclecase	G3	S1	LE	END
IMBIV09010	<i>Cyclonaias tuberculata</i>	Purple Wartback	G5	S2		END
IMBIV13010	<i>Ellipsaria lineolata</i>	Butterfly	G4G5	S2		END
IMBIV14060	<i>Elliptio complanata</i>	Eastern Elliptio	G5	S2S3		SC/P
IMBIV14080	<i>Elliptio crassidens</i>	Elephant Ear	G5	S1		END
IMBIV16190	<i>Epioblasma triquetra</i>	Snuffbox	G3	S1	LE	END
IMBIV17060	<i>Fusconaia ebena</i>	Ebonysell	G4G5	S1		END
IMBIV21100	<i>Lampsilis higginsii</i>	Higgins Eye	G1G2	S1	LE	END
IMBIV21240	<i>Lampsilis teres</i>	Yellow & Slough Sandshells	G5	S1		END
IMBIV29020	<i>Megaloniais nervosa</i>	Washboard	G5	S3		SC/P
IMBIV34030	<i>Plethobasus cyphus</i>	Sheepnose	G3	S1	LE	END
IMBIV39050	<i>Quadrula fragosa</i>	Winged Mapleleaf	G1	S1	LE	END
IMBIV39080	<i>Quadrula metanevra</i>	Monkeyface	G4	S2		THR
IMBIV39090	<i>Quadrula nodulata</i>	Wartyback	G4	S1S2		THR
IMBIV39120	<i>Quadrula quadrula</i>	Mapleleaf	G5	S3		SC/P
IMBIV41010	<i>Simpsonia ambigua</i>	Salamander Mussel	G3	S2	SOC	THR
IMBIV44010	<i>Tritogonia (=Quadrula) verrucosa</i>	Buckhorn	G4G5	S2		THR
IMBIV45020	<i>Truncilla donaciformis</i>	Fawnsfoot	G5	S1S2		THR
IMBIVA4010	<i>Venustaconcha ellipsiformis</i>	Ellipse	G4	S3		THR
IMBIV47060	<i>Villosa iris</i>	Rainbow Shell	G5Q	S1		END
RARE BUTTERFLIES AND MOTHS						
IILEYAR030	<i>Acronicta dollii</i>	Doll's Merolonche	G3G4	S3?		SC/N
IILEP79010	<i>Atrytonopsis hianna</i>	Dusted Skipper	G4G5	S3		SC/N
IILEYAG030	<i>Bagisara gulfare</i>	A Noctuid Moth	GU	S1S2		SC/N
IILEPJ7140	<i>Boloria chariclea</i>	Arctic Fritillary	G5	S3		SC/N
IILEPH2060	<i>Calephelis muticum</i>	Swamp Metalmark	G3	S1	SOC	END
IILEPE2220	<i>Callophrys irus</i>	Frosted Elfin	G3	S1		THR
IILEY89730	<i>Catocala abbreviatella</i>	Abbreviated Underwing Moth	G4	S3		SC/N
IILEY89520	<i>Catocala semirelictica</i>	Semirelict Underwing Moth	G5	S2S3		SC/N
IILEY89750	<i>Catocala whitneyi</i>	Whitney's Underwing Moth	G3G4	S3		SC/N
IILEY9S010	<i>Cerma cora</i>	Owl-eyed Bird Dropping Moth	G3G4	S3		SC/N
IILEPJ9130	<i>Chlosyne gorgone</i>	Gorgone Checker Spot	G5	S3		SC/N
IILEYL2010	<i>Dichagyris reliqua</i>	A Noctuid Moth	G2G3	S2		SC/N
IILEP37140	<i>Erynnis lucilius</i>	Columbine Dusky Wing	G4	S2S3		SC/N
IILEP37100	<i>Erynnis martialis</i>	Mottled Dusky Wing	G3	S2		SC/N
IILEP37170	<i>Erynnis persius</i>	Persius Dusky Wing	G5	S3		SC/N
IILEY2R260	<i>Grammia phyllira</i>	Phyllira Tiger Moth	G4	S2		SC/N
IILEW0M053	<i>Hemileuca nevadensis ssp. 3</i>	Midwestern Fen Buckmoth	G5T3T4	S3		SC/N
IILEP65100	<i>Hesperia metea</i>	Cobweb Skipper	G4	S2		SC/N
IILEP65050	<i>Hesperia ottoe</i>	Ottoe Skipper	G3G4	S1		END
IILEPG5010	<i>Lycaeides (=Plebejus) idas</i>	Northern Blue	G5	S1		END
IILEPG5021	<i>Lycaeides (=Plebejus) melissa samuelis</i>	Karner Blue	G5T2	S3	LE	SC/FL
IILEPC1170	<i>Lycaena dione</i>	Gray Copper	G5	S2		SC/N
IILEP57010	<i>Oarisma poweshiek</i>	Poweshiek Skipperling	G1	S1	LE	END
IILEPP1040	<i>Oeneis chryxus</i>	Chryxus Arctic	G5	S3		SC/N
IILEYC0450	<i>Papaipema beeriana</i>	Liatris Borer Moth	G2G3	S2S3		SC/N
IILEYC0350	<i>Papaipema silphii</i>	Silphium Borer Moth	G3G4	S2S3		END
IILEPA2020	<i>Pieris virginiana</i>	West Virginia White	G3?	S3		SC/N
IILEP66070	<i>Polites orgenes</i>	Cross Line Skipper	G4G5	S3		SC/N

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IILEP71010	<i>Problema byssus</i>	Byssus Skipper	G3G4	S2S3		SC/N
IILEY39060	<i>Pygarctia spraguei</i>	Sprague's Pygarctica	G5	S2		SC/N
IILEYMP230	<i>Schinia bina</i>	Bina Flower Moth	G4	S2S3		SC/N
IILEYMP130	<i>Schinia indiana</i>	Phlox Moth	G2G4	S2S3		END
IILEYMP920	<i>Schinia lucens</i>	Leadplant Flower Moth	G4	S3		SC/N
IILEPJ6040	<i>Speyeria idalia</i>	Regal Fritillary	G3	S1	SOC	END
RARE DRAGONFLIES AND DAMSELFLIES						
IIDOD14030	<i>Aeshna clepsydra</i>	Mottled Darner	G4	S2S3		SC/N
IIDOD14160	<i>Aeshna sitchensis</i>	Zigzag Darner	G5	S1		SC/N
IIDOD14170	<i>Aeshna subarctica</i>	Subarctic Darner	G5	S1S2		SC/N
IIDOD68030	<i>Argia plana</i>	Springwater Dancer	G5	S2S3		SC/N
IIDOD81070	<i>Arigomphus villosipes</i>	Unicorn Clubtail	G5	S2S3		SC/N
IIDOD03020	<i>Cordulegaster diastatops</i>	Delta-spotted Spiketail	G5	S1		SC/N
IIDOD71120	<i>Enallagma basidens</i>	Double-striped Bluet	G5	S2S3		SC/N
IIDOD71290	<i>Enallagma clausum</i>	Alkali Bluet	G5	S1		SC/N
IIDOD19010	<i>Epiaeschna heros</i>	Swamp Darner	G5	S2S3		SC/N
IIDOD08310	<i>Phanogomphus graslinellus</i>	Pronghorn Clubtail	G5	S2S3		SC/N
IIDOD66020	<i>Hetaerina titia</i>	Smoky Rubyspot	G5	S1S2		SC/N
IIDOD72020	<i>Ischnura kellicotti</i>	Lilypad Forktail	G5	S1S2		SC/N
IIDOD45060	<i>Libellula cyanea</i>	Spangled Skimmer	G5	S2		SC/N
IIDOD45090	<i>Libellula incesta</i>	Slaty Skimmer	G5	S2S3		SC/N
IIDOD45160	<i>Libellula semifasciata</i>	Painted Skimmer	G5	S1S2		SC/N
IIDOD26100	<i>Macromia taeniolata</i>	Royal River Cruiser	G5	S2S3		SC/N
IIDOD74030	<i>Nehalennia gracilis</i>	Sphagnum Sprite	G5	S2S3		SC/N
IIDOD12020	<i>Ophiogomphus anomalus</i>	Extra-striped Snaketail	G4	S2S3		END
IIDOD12200	<i>Ophiogomphus smithi</i>	Sioux (Sand) Snaketail	G2G3	S2		SC/N
IIDOD12180	<i>Ophiogomphus susbehcha</i>	St. Croix Snaketail	G2	S2		END
IIDOD14110	<i>Rhionaeschna mutata</i>	Spatterdock Darner	G4	S1		THR
IIDOD32040	<i>Somatochlora cingulata</i>	Lake Emerald	G5	S2S3		SC/N
IIDOD32060	<i>Somatochlora ensigera</i>	Plains Emerald	G4	S2S3		SC/N
IIDOD32080	<i>Somatochlora forcipata</i>	Forcipate Emerald	G5	S2S3		SC/N
IIDOD32110	<i>Somatochlora hineana</i>	Hine's Emerald	G2G3	S1	LE	END
IIDOD32130	<i>Somatochlora incurvata</i>	Incurvate Emerald	G4	S2S3		END
IIDOD32230	<i>Somatochlora tenebrosa</i>	Clamp-tipped Emerald	G5	S1S2		SC/N
IIDOD34020	<i>Williamsonia lintneri</i>	Ringed Boghaunter	G3	S3		SC/N
RARE CRUSTACEANS						
ICMAL14310	<i>Procambarus gracilis</i>	Prairie Crayfish	G5	S2S3		SC/N
RARE BEETLES						
IICOLG6010	<i>Agabetes acuductus</i>	A Predaceous Diving Beetle	GNR	S3		SC/N
IICOL52170	<i>Agabus aeruginosus</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL52230	<i>Agabus discolor</i>	A Predaceous Diving Beetle	G5	S3		SC/N
IICOL52090	<i>Agabus immaturus</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL52140	<i>Agabus leptapsis</i>	A Predaceous Diving Beetle	GNR	S2S3		SC/N
IICOL05150	<i>Altica litigata</i>	A Leaf Beetle	GNR	S1S2		SC/N
IICOLHK020	<i>Bassareus lituratus</i>	A Leaf Beetle	GNR	S2S3		SC/N
IICOLHK030	<i>Bassareus mammifer</i>	A Leaf Beetle	GNR	S2S3		SC/N
IICOLCA040	<i>Brachyptera convexa</i>	A Leaf Beetle	GNR	S1S2		SC/N
IICOL02104	<i>Cicindela hirticollis hirticollis</i>	Hairy-necked Tiger Beetle	G5T4	S2S3		SC/N
IICOL02105	<i>Cicindela hirticollis rhodensis</i>	Hairy-necked Tiger Beetle	G5T4	S1		END
IICOL02232	<i>Cicindela patruela patruela</i>	Northern Barrens Tiger Beetle	G3T3	S2		SC/N
IICOL5X450	<i>Coelocephalopion decoloratum</i>	A Pear-shaped Weevil	GNR	S1S2		SC/N
IICOLV6020	<i>Colaspis suggona</i>	A Colaspis Leaf Beetle	GNR	S3		SC/N
IICOLT8060	<i>Colymbetes exaratus</i>	A Predaceous Diving Beetle	GNR	S3		SC/N
IICOL85010	<i>Copelatus chevrolati</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOLV7030	<i>Cryptocephalus cuneatus</i>	A Leaf Beetle	GNR	S1S2		SC/N
IICOLV7020	<i>Cryptocephalus venustus</i>	A Leaf Beetle	GNR	S2S3		SC/N
IICOLYQ010	<i>Cybister fimbriolatus</i>	A Predaceous Diving Beetle	GNR	S3		SC/N
IICOL5U070	<i>Cymbiodyta toddi</i>	A Water Scavenger Beetle	GNR	S2S3		SC/N
IICOLKN050	<i>Distigmoptera impennata</i>	A Leaf Beetle	GNR	S1S2		SC/N
IICOL5A040	<i>Dubiraphia robusta</i>	Robust Dubiraphian Riffle Beetle	G1G3	S2S3		SC/N
IICOL76010	<i>Dytiscus alaskanus</i>	A Predaceous Diving Beetle	G5	S1S2		SC/N
IICOL02250	<i>Ellipsoptera lepida</i>	Ghost Tiger Beetle	G3G4	S1		SC/N
IICOL02220	<i>Ellipsoptera macra</i>	Sandy Stream Tiger Beetle	G5	S1S2		SC/N

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IICOLSX090	<i>Eutrichapion huron</i>	A Straight-snouted Weevil	GNR	S1S2		SC/N
IICOLSX470	<i>Fallapion bischoffi</i>	A Pear-shaped Weevil	GNR	S1S2		SC/N
IICOLSX120	<i>Fallapion impeditum</i>	A Pear-shaped Weevil	GNR	S1S2		SC/N
IICOLKS030	<i>Glyptina brunnea</i>	A Leaf Beetle	GNR	S1S2		SC/N
IICOLKS070	<i>Glyptina leptosoma</i>	A Leaf Beetle	GNR	S1S2		SC/N
IICOL5N080	<i>Haliplus apostolicus</i>	A Crawling Water Beetle	GNR	S2S3		SC/N
IICOLM3030	<i>Helophorus latipennis</i>	A Water Scavenger Beetle	GNR	S1S2		SC/N
IICOLM3020	<i>Helophorus orchymonti</i>	A Water Scavenger Beetle	GNR	S2S3		SC/N
IICOL55160	<i>Heterosternuta pulchra</i>	A Hydroporus Diving Beetle	GNR	S2S3		SC/N
IICOL55170	<i>Heterosternuta wickhami</i>	A Hydroporus Diving Beetle	GNR	S2S3		SC/N
IICOL5Q040	<i>Hydraena angulicollis</i>	A Minute Moss Beetle	GNR	S2S3		SC/N
IICOL77010	<i>Hydrocanthus iricolor</i>	A Burrowing Water Beetle	GNR	S1		SC/N
IICOL5V050	<i>Hydrochara leechi</i>	A Water Scavenger Beetle	GNR	S1		SC/N
IICOL55190	<i>Hydrocolus persimilis</i>	A Predaceous Diving Beetle	GNR	S2		SC/N
IICOL55210	<i>Hydrocolus rubyae</i>	A Predaceous Diving Beetle	GNR	S2		SC/N
IICOL55240	<i>Hydroporus morio</i>	A Predaceous Diving Beetle	G5	S2		SC/N
IICOL38100	<i>Hygrotus compar</i>	A Predaceous Diving Beetle	GNR	S3		SC/N
IICOL38110	<i>Hygrotus falli</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL38090	<i>Hygrotus farctus</i>	A Predaceous Diving Beetle	GNR	S2S3		SC/N
IICOL38070	<i>Hygrotus marklini</i>	A Predaceous Diving Beetle	GNR	S2		SC/N
IICOL38060	<i>Hygrotus sylvanus</i>	Sylvan Hygrotus Diving Beetle	GU	S1S2		SC/N
IICOLQ0010	<i>Ilybius angustior</i>	A Predaceous Diving Beetle	G5	S2S3		SC/N
IICOL79040	<i>Ilybius confusus</i>	A Predaceous Diving Beetle	GNR	S2S3		SC/N
IICOL52040	<i>Ilybius gagates</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL52280	<i>Ilybius opacus</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL79010	<i>Ilybius subaeneus</i>	A Predaceous Diving Beetle	G5	S1S2		SC/N
IICOL70020	<i>Laccophilus undatus</i>	A Predaceous Diving Beetle	GNR	S2		SC/N
IICOLYH030	<i>Laccornis deltoides</i>	A Predaceous Diving Beetle	GNR	S2		SC/N
IICOL6T010	<i>Liodessus cantralli</i>	Cantrall's Bog Beetle	GNR	S2S3		SC/N
IICOL6T060	<i>Liodessus obscurellus</i>	A Predaceous Diving Beetle	GNR	S2		SC/N
IICOL83010	<i>Lioporeus triangularis</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL80010	<i>Matus ovatus</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL55090	<i>Neoporus hybridus</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL55040	<i>Ochthebius lineatus</i>	A Minute Moss Beetle	GNR	S2S3		SC/N
IICOL81010	<i>Oreodytes scitulus</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOLYE040	<i>Pachybrachis atomarius</i>	A Leaf Beetle	GNR	S2S3		SC/N
IICOLYE090	<i>Pachybrachis luridus</i>	A Leaf Beetle	GNR	S2S3		SC/N
IICOLYE120	<i>Pachybrachis peccans</i>	A Leaf Beetle	GNR	S2S3		SC/N
IICOL52030	<i>Platambus confusus</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOL82040	<i>Rhantus sericans</i>	A Predaceous Diving Beetle	GNR	S1S2		SC/N
IICOLYA010	<i>Saxinis omogera</i>	A Leaf Beetle	GNR	S2S3		SC/N
IICOLJQ040	<i>Sayapion segnipes</i>	A Pear-shaped Weevil	GNR	S1S2		SC/N
IICOL5F060	<i>Stenelmis antennalis</i>	A Riffle Beetle	GNR	S2S3		SC/N
IICOL5F020	<i>Stenelmis douglasensis</i>	Douglas Stenelmis Riffle Beetle	G1G3	S1S2		SC/N
IICOL5F080	<i>Stenelmis fuscata</i>	A Riffle Beetle	GNR	S2S3		SC/N
IICOL5F040	<i>Stenelmis knobeli</i>	Knobel's Riffle Beetle	G1G3	S1S2		END
IICOL5F180	<i>Stenelmis musgravei</i>	A Riffle Beetle	GNR	S2S3		SC/N
IICOL5F200	<i>Stenelmis quadrimaculata</i>	A Riffle Beetle	GNR	S2		SC/N
IICOL5F190	<i>Stenelmis sexlineata</i>	A Riffle Beetle	GNR	S1		SC/N
IICOL0A010	<i>Tetracha virginica</i>	Virginia Big-headed Tiger Beetle	G5	S1S2		SC/N
IICOLYC010	<i>Thermonectus basilaris</i>	A Predaceous Diving Beetle	GNR	S2S3		SC/N
IICOLS2190	<i>Triachus vacuus</i>	A Case-bearing Leaf Beetle	GNR	S1S2		SC/N
IICOLSX460	<i>Trichapion perforicollae</i>	A Pear-shaped Weevil	GNR	S1S2		SC/N
RARE MAYFLIES						
IIEPH14010	<i>Acanthametropus pecatonica</i>	Pecatonica River Mayfly	G2G4	S1		END
IIEPH15030	<i>Ameletus lineatus</i>	A Mayfly	G5	S2S3		SC/N
IIEPH47050	<i>Cercobrachys fox</i>	Fox Small Square-gilled Mayfly	G3G4	S2S3		SC/N
IIEPH47080	<i>Cercobrachys lilliei</i>	Wisconsin Small Square-gilled Mayfly	G2	S1S2		SC/N
IIEPH47060	<i>Cercobrachys winnebago</i>	Winnebago Small Square-gilled Mayfly	G3G4	S1S2		SC/N
IIEPH02010	<i>Dolania americana</i>	American Sand Burrowing Mayfly	G4	S1S2		SC/N
IIEPH50020	<i>Drunella cornuta</i>	A Spiny Crawler Mayfly	G5	S2S3		SC/N
IIEPH28030	<i>Eurylophella aestiva</i>	A Spiny Crawler Mayfly	G5	S2S3		SC/N
IIEPH03030	<i>Homoeoneuria ammophila</i>	A Brush-legged Mayfly	G4	S2		SC/N

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IIEPH40160	<i>Maccaffertium pulchellum</i>	A Flat-headed Mayfly	G5	S2S4		SC/N
IIEPH30010	<i>Macdunnoa persimplex</i>	A Flat-headed Mayfly	G4	S1S2		SC/N
IIEPH31010	<i>Metretopus borealis</i>	A Cleft-footed Minnow Mayfly	G5	S1S2		SC/N
IIEPH72020	<i>Neophemera bicolor</i>	A Large Square-gilled Mayfly	G1G2	S1S2		SC/N
IIEPH22010	<i>Paracloeodes minutus</i>	A Small Minnow Mayfly	G5	S1S2		SC/N
IIEPH13020	<i>Pentagenia vittigera</i>	A Common Burrower Mayfly	G5	S2S3		SC/N
IIEPH78010	<i>Plauditus cestus</i>	A Small Minnow Mayfly	G5	S2S3		SC/N
IIEPH39200	<i>Rhithrogena undulata</i>	A Flat-headed Mayfly	G4Q	S2S3		SC/N
IIEPH19010	<i>Spinadis simplex</i>	A Flat-headed Mayfly	G2G4	S1		END
RARE LEAFHOPPERS AND TRUE BUGS						
IIHOM08010	<i>Aflexia rubranura</i>	Red-tailed Prairie Leafhopper	G2	S2?		END
IIHOM57010	<i>Aphelonema simplex</i>	Piglet Bug	GNR	S1S2		SC/N
IIHOM26010	<i>Attenuipyga vanduzeei</i>	A Leafhopper	GNR	S1	SOC	END
IIHOM48020	<i>Bruchomorpha extensa</i>	An Issid Planthopper	GNR	S2S3		SC/N
IIHOM51010	<i>Cuerna sayi</i>	A Leafhopper	GNR	S2S3		SC/N
IHEMB5010	<i>Dasycorixa hybrida</i>	A Water Boatman	GNR	S2		SC/N
IIHOM27010	<i>Destria crocea</i>	A Leafhopper	GNR	S1S2		SC/N
IIHOM52010	<i>Driotura robusta</i>	A Leafhopper	GNR	S1S2		SC/N
IIHOM95270	<i>Erythroneura carbonata</i>	Yellow Loosestrife Leafhopper	GNR	S2S3		SC/N
IIHOM49010	<i>Fitchiella robertsonii</i>	An Issid Planthopper	GNR	S1S2		THR
IIHOM03060	<i>Flexamia prairiana</i>	A Leafhopper	GNR	S1S2		SC/N
IIHOM50010	<i>Kansendria kansiensis</i>	A Leafhopper	GNR	S1S2		SC/N
IIHOM28020	<i>Laevicephalus vannus</i>	A Leafhopper	GNR	S1S2		SC/N
IIHOM02020	<i>Limotettix elegans</i>	A Leafhopper	GNR	S1?		SC/N
IIHOM02010	<i>Limotettix pseudosphagneticus</i>	A Leafhopper	GNR	S1?		SC/N
IIHOM53010	<i>Memnonia panzeri</i>	A Leafhopper	GNR	S2		SC/N
IHEM30010	<i>Microvelia albonotata</i>	A Broad-shouldered Water Strider	GNR	S1S2		SC/N
IIHOM55010	<i>Myndus ovatus</i>	A Planthopper	GNR	S1S2		SC/N
IHEM79010	<i>Neogerris hesione</i>	A Water Strider	GNR	S1S2		SC/N
IHEMA4030	<i>Notonecta borealis</i>	A Backswimmer	GNR	S2S3		SC/N
IIHOM20070	<i>Paraphlepsius altus</i>	A Leafhopper	GNR	S1S3		SC/N
IIHOM20060	<i>Paraphlepsius maculosus</i>	A Leafhopper	GNR	S1S3		SC/N
IIHOM20290	<i>Paraphlepsius nebulosus</i>	A Leafhopper	GNR	S1S2		SC/N
IIHOM29010	<i>Polyamia dilata</i>	Prairie Leafhopper	GNR	S2		THR
IIHOM17030	<i>Prairiana angustens</i>	A Leafhopper	GNR	S1S3		SC/N
IIHOM17020	<i>Prairiana cinerea</i>	A Leafhopper	GNR	S2S3		SC/N
IIHOM17010	<i>Prairiana kansana</i>	A Leafhopper	GNR	S2?		SC/N
IHEM04080	<i>Ramphocorixa acuminata</i>	Acuminate Water Boatman	G4	S1S2		SC/N
IIHOM56010	<i>Rhynchomitra microrhina</i>	A Planthopper	GNR	S1S3		SC/N
IHEM31010	<i>Slaterobius quadristriata</i>	A Seed Bug	GNR	S1S2		SC/N
RARE GRASSHOPPERS AND ALLIES						
IHORT96010	<i>Aeropedellus clavatus</i>	Club-horned Grasshopper	G5	S2S3		SC/N
IHORT49050	<i>Arphia conspersa</i>	Speckled Rangeland Grasshopper	G5	S2S4		SC/N
IHORT49060	<i>Arphia simplex</i>	Plains Yellow-winged Grasshopper	G5	S1S2		SC/N
IHORT61010	<i>Camnula pellucida</i>	Clear-winged Grasshopper	G5	S3		SC/N
IHORT12030	<i>Chloealtis abdominalis</i>	Rocky Mountain Sprinkled Locust	G5	S2?		SC/N
IHORT97010	<i>Dichromorpha viridis</i>	Short-winged Grasshopper	G5	S2S3		SC/N
IHORT98010	<i>Eritettix simplex</i>	Velvet-striped Grasshopper	G5	S2S3		SC/N
IHORT83020	<i>Hesperotettix speciosus</i>	Showy Grasshopper	G5	S1S2		SC/N
IHORT83010	<i>Hesperotettix viridis</i>	Green-streak Grasshopper	G5	S2S3		SC/N
IHORT01120	<i>Melanoplus bruneri</i>	Bruner's Spur-throat Grasshopper	G5	S1S2		SC/N
IHORT01150	<i>Melanoplus fasciatus</i>	Huckleberry Spur-throat Grasshopper	G5	S2S3		SC/N
IHORT01020	<i>Melanoplus flavidus</i>	Blue-legged Grasshopper	G4	S2S3		SC/N
IHORT01470	<i>Melanoplus foedus</i>	A Spur-throat Grasshopper	G5	S2S3		SC/N
IHORT01B30	<i>Melanoplus gladstoni</i>	Gladston's Spur-throat Grasshopper	G5	S2		SC/N
IHORT01190	<i>Melanoplus islandicus</i>	Forest Locust	G5	S2S3		SC/N
IHORT01050	<i>Melanoplus punctulatus</i>	Grizzly Spur-throat Grasshopper	G4	S2S3		SC/N
IHORT012M0	<i>Melanoplus scudderi</i>	Scudder's Short-winged Grasshopper	G5	S1S2		SC/N
IHORT01060	<i>Melanoplus stonei</i>	Stone's Locust	G4G5	S1S2		SC/N
IHORT88010	<i>Mermiria bivittata</i>	Mermiria Grasshopper	G5	S2S3		SC/N
IHORT40010	<i>Neoconocephalus lyristes</i>	Bog Conehead	GNR	S1S3		SC/N
IORTF3020	<i>Opeia obscura</i>	Obscure Grasshopper	G5	S2S3		SC/N
IHORT41010	<i>Orchelimum delicatum</i>	Delicate Meadow Katydid	GNR	S2?		SC/N

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IIORT37010	<i>Orphulella pelidna</i>	Spotted-winged Grasshopper	G5	S2S3		SC/N
IIORT42010	<i>Scudderia fasciata</i>	Black-striped Katydid	GNR	S1S2		SC/N
IIORT64010	<i>Syrbula admirabilis</i>	Handsome Grasshopper	G5	S1S2		SC/N
IIORT65010	<i>Trachyrhachys kiowa</i>	Ash-brown Grasshopper	G5	S2		SC/N
IIORT36010	<i>Trimerotropis huroniana</i>	Lake Huron Locust	G2G3	S1		END
IIORT36050	<i>Trimerotropis maritima</i>	Seaside Grasshopper	G5	S2S4		SC/N
IIORT36020	<i>Trimerotropis verruculata</i>	Crackling Forest Grasshopper	G5	S2S3		SC/N
RARE STONEFLIES						
IIPLE1M010	<i>Attaneuria ruralis</i>	A Common Stonefly	G4	S2S3		SC/N
IIPLE2Q040	<i>Isogenoides frontalis</i>	A Perlodid Stonefly	G5	S1S2		SC/N
IIPLE2Q070	<i>Isogenoides olivaceus</i>	A Perlodid Stonefly	G3	S2S3		SC/N
IIPLE0F010	<i>Zealeuctra narfi</i>	A Rolled-winged Winter Stonefly	G4	S1		SC/N
RARE CADDISFLIES						
IITRI30020	<i>Banksiola dossuaria</i>	A Giant Casemaker Caddisfly	G5	S2S3		SC/N
IITRIA6010	<i>Beothukus complicatus</i>	A Phryganeid Caddisfly	G4	S1S2		SC/N
IITRI62050	<i>Brachycentrus lateralis</i>	A Humpless Casemaker Caddisfly	G5	S1S2		SC/N
IITRI01040	<i>Lepidostoma vernale</i>	A Lepidostomatid Caddisfly	G5	S1S2		SC/N
IITRI65510	<i>Psilotreta indecisa</i>	A Caddisfly	G5	S1S2		SC/N
IITRI78010	<i>Wormaldia moesta</i>	A Fingernet Caddisfly	G5	S2S3		SC/N
IITRI78040	<i>Wormaldia shawnee</i>	A Fingernet Caddisfly	G4G5	S1S2		SC/N
RARE FLIES						
IIDIP7B010	<i>Pseudodiamesa pertinax</i>	A Non-biting Midge	GNR	S2		SC/N
RARE ANTS, WASPS, AND BEES						
IIHYM61010	<i>Antistrophus silphii</i>	Silphium Terminal Gail Wasp	GNR	S2S3		SC/N
IIHYM24020	<i>Bombus affinis</i>	Rusty-patched Bumble Bee	G1	S1	LE	SC/FL
IIHYM24110	<i>Bombus fervidus</i>	Yellow Bumble Bee	G4?	S2		SC/N
IIHYM24130	<i>Bombus frigidus</i>	Frigid Bumble Bee	G5	S1S2		SC/N
IIHYM24340	<i>Bombus insularis</i>	Indiscriminate Cuckoo Bumble Bee	G4G5	S1S2		SC/N
IIHYM24260	<i>Bombus pensylvanicus</i>	American Bumble Bee	G3G4	S1		SC/N
IIHYM24180	<i>Bombus perplexus</i>	Confusing Bumble Bee	G5	S1		SC/N
IIHYM24310	<i>Bombus sandersoni</i>	Sanderson's Bumble Bee	G4G5	S1S3		SC/N
IIHYM24220	<i>Bombus terricola</i>	Yellowbanded Bumble Bee	GU	S1	SOC	SC/N
IIHYMBT100	<i>Epeolus ainsliei</i>	A Cuckoo Bee	GNR	S1		SC/N
IIHYM81040	<i>Neolarra vigilans</i>	An Anthophorid Bee	GNR	S1		SC/N
RARE AQUATIC AND TERRESTRIAL SNAILS						
IMGAS91020	<i>Allogona profunda</i>	Broad-banded Forestsnail	G5	S2		SC/N
IMGAS11030	<i>Cochlicopa morseana</i>	Appalachian Pillar	G5	S2		SC/N
IMGAS15130	<i>Gastrocopta procerata</i>	Wing Snaggletooth	G5	S3		THR
IMGAS73170	<i>Glyphyalinia rhoadsi</i>	Sculpted Glyph	G5	S2		SC/N
IMGAS73250	<i>Glyphyalinia wheatleyi</i>	Bright Glyph	G5	S1		SC/N
IMGAS71030	<i>Guppya sterkii</i>	Brilliant Granule	G5	S2S3		SC/N
IMGAS50190	<i>Helicodiscus singleyanus</i>	Smooth Coil	G5	S2		SC/N
IMGAS03010	<i>Hendersonia occulta</i>	Cherrystone Drop	G4	S2S3		THR
IMGAS78210	<i>Paravitrea multidentata</i>	Dentate Supercoil	G5	S2S3		SC/N
IMGAS21010	<i>Planogyra asteriscus</i>	Eastern Flat-whorl	G4	S1		SC/N
IMGAS81010	<i>Striatura exigua</i>	Ribbed Striate	G5	S3		SC/N
IMGAS81020	<i>Striatura ferrea</i>	Black Striate	G5	S2		SC/N
IMGAS24010	<i>Strobilops aeneus</i>	Bronze Pinecone	G5	S1		SC/N
IMGAS22060	<i>Vallonia parvula</i>	Trumpet Vallonia	G4	S2		SC/N
IMGAS20380	<i>Vertigo hubrichti</i>	Hubricht's Vertigo	G3Q	S1		END
IMGAS20210	<i>Vertigo modesta</i>	Cross Vertigo	G5	S1		SC/N
IMGAS20220	<i>Vertigo morsei</i>	Six-whorl Vertigo	G3	S1		SC/N
IMGAS20230	<i>Vertigo nylanderii</i>	Deep-throated Vertigo	G3G4	S1S2		SC/N
IMGAS86040	<i>Vitrina angelicae</i>	Transparent Vitrine Snail	G5	S1		SC/N
IMGAS85050	<i>Zonitoides limatulus</i>	Dull Gloss	G4G5	S1S2		SC/N
IMGAS23010	<i>Zoogenetes harpa</i>	Boreal Top	G5	S1		SC/N
RARE VASCULAR PLANTS						
PDACE010C0	<i>Acer pensylvanicum</i>	Striped Maple	G5	S1		SC
PDRAN01070	<i>Aconitum noveboracense</i>	Northern Monkshood	G3	S2	LT	THR
PDFUM02010	<i>Adlumia fungosa</i>	Climbing Fumitory	G4	S2		SC
PDADO01010	<i>Adoxa moschatellina</i>	Muskroot	G5	S2		THR
PDSCR01130	<i>Agalinis auriculata</i>	Earleaf Foxglove	G3	S1		SC
PDSCR010B0	<i>Agalinis gattingeri</i>	Roundstem Foxglove	G4	S2		THR

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PDSCR010T0	<i>Agalinis skinneriana</i>	Pale False Foxglove	G3G4	S2		END
PDROS03060	<i>Agrimonia parviflora</i>	Swamp Agrimony	G5	S1S2		SC
PMORC01010	<i>Amerorchis rotundifolia</i>	Round-leaved Orchis	G5	S1S2		THR
PDLYT01050	<i>Ammannia robusta</i>	Scarlet Loosestrife	G5	S2		SC
PDRAN04030	<i>Anemone caroliniana</i>	Carolina Anemone	G5	S1		END
PDRAN040E6	<i>Anemone multifida var. multifida</i>	Cut-leaved Anemone	G5T5	S1		END
PMLIL28032	<i>Anticlea elegans ssp. glaucus</i>	White Camas	G5T4T5	S3		SC
PMORC03010	<i>Aplectrum hyemale</i>	Putty Root	G5	S2S3		SC
PMPOA0K0C0	<i>Aristida dichotoma</i>	Shinners' Three-awned Grass	G5	S1		SC
PDBRA07010	<i>Armoracia lacustris</i>	Lake Cress	G4?	S1		END
PDASTD7060	<i>Arnoglossum plantagineum</i>	Prairie Indian-plantain	G4G5	S3		SC
PDASTD7040	<i>Arnoglossum reniforme</i>	Great Indian-plantain	G4	S3		SC
PDAST0S0H0	<i>Artemisia dracuncululus</i>	Dragon Wormwood	G5	S2		SC
PDAST0S0L0	<i>Artemisia frigida</i>	Prairie Sagebrush	G5	S2		SC
PDASC020R0	<i>Asclepias hirtella</i>	Green Milkweed	G5	S2		SC
PDASC022A0	<i>Asclepias lanuginosa</i>	Woolly Milkweed	G4?	S1		THR
PDASC021D0	<i>Asclepias ovalifolia</i>	Dwarf Milkweed	G5?	S3		THR
PDASC021J0	<i>Asclepias purpurascens</i>	Purple Milkweed	G5?	S3		END
PDASC021X0	<i>Asclepias sullivantii</i>	Prairie Milkweed	G5	S2S3		THR
PPASP02100	<i>Asplenium pinnatifidum</i>	Pinnatifid Spleenwort	G4	S1		THR
PPASP021K0	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	G5	S2S3		SC
PPASP02250	<i>Asplenium trichomanes-ramosum</i>	Green Spleenwort	G4	S1		END
PDFAB0F0D0	<i>Astragalus alpinus</i>	Alpine Milkvetch	G5	S1		END
PDFAB0F2G0	<i>Astragalus crassicaarpus</i>	Ground-plum	G5	S2		END
PDFAB0F5U0	<i>Astragalus neglectus</i>	Cooper's Milkvetch	G4	S1		END
PDFAB0G0P0	<i>Baptisia tinctoria</i>	Yellow Wild-indigo	G5	S1		SC
PDGEN01010	<i>Bartonia paniculata</i>	Twining Screwstem	G5	S1		SC
PDSCR09030	<i>Besseyia bullii</i>	Kitten Tails	G3	S3		THR
PDBRA061W0	<i>Boechea dentata</i>	Short's Rock-cress	G5	S1S2		SC
PDBRA06170	<i>Boechea missouriensis</i>	Missouri Rock-cress	G5	S2		SC
PPOPH010W0	<i>Botrychium campestre</i>	Prairie Dunewort	G3G4	S1		END
PPOPH01080	<i>Botrychium lunaria</i>	Common Moonwort	G5	S1S2		END
PPOPH010R0	<i>Botrychium minganense</i>	Mingan's Moonwort	G4G5	S2		SC
PPOPH010N0	<i>Botrychium mormo</i>	Little Goblin Moonwort	G3	S1S2		END
PPOPH01130	<i>Botrychium pallidum</i>	Pale Moonwort	G3	S1		SC
PPOPH01140	<i>Botrychium spathulatum</i>	Spoon-leaf Moonwort	G3	S1		SC
PDBRA0F025	<i>Cakile edentula var. lacustris</i>	American Sea-rocket	G5T3T5	S3		SC
PMPOA18052	<i>Calamovilfa longifolia var. magna</i>	Sand Reedgrass	G5T3T5	S2		THR
PDMAL0A080	<i>Callirhoe triangulata</i>	Clustered Poppy-mallow	G3	S2		SC
PDCLL01030	<i>Callitriche hermaphroditica</i>	Autumnal Water-starwort	G5	S2		SC
PDCLL01040	<i>Callitriche heterophylla</i>	Large Water-starwort	G5	S1		THR
PDRAN06020	<i>Caltha natans</i>	Floating Marsh Marigold	G5	S1		END
PMORC0D010	<i>Calypso bulbosa</i>	Calypso Orchid	G5	S2		THR
PMLILOE050	<i>Camassia scilloides</i>	Wild Hyacinth	G4G5	S2		END
PDASTEK010	<i>Canadanthus modestus</i>	Northwestern Sticky Aster	G5	S1		SC
PDBRA0K1A0	<i>Cardamine maxima</i>	Large Toothwort	G5	S1		SC
PMCYP03GT1	<i>Carex albicans var. albicans</i>	Dry Woods Sedge	G5T5	S1		SC
PMCYP031F0	<i>Carex backii</i>	Rocky Mountain Sedge	G5	S1		SC
PMCYP032G0	<i>Carex capillaris</i>	Hair-like Sedge	G5	S1S2		SC
PMCYP032J0	<i>Carex careyana</i>	Carey's Sedge	G4G5	S1		THR
PMCYP03300	<i>Carex concinna</i>	Beautiful Sedge	G5	S1		THR
PMCYP033B0	<i>Carex crus-corvi</i>	Ravenfoot Sedge	G5	S1		END
PMCYP033D0	<i>Carex cumulata</i>	Clustered Sedge	G4?	S2		SC
PMCYP03352	<i>Carex digitalis var. digitalis</i>	Slender Wood Sedge	G5T5	S1		SC
PMCYP034F0	<i>Carex exilis</i>	Coast Sedge	G5	S1		THR
PMCYP034L0	<i>Carex festucacea</i>	Fescue Sedge	G5	S2		SC
PMCYP034Y0	<i>Carex formosa</i>	Handsome Sedge	G4	S2		THR
PMCYP03520	<i>Carex garberi</i>	Elk Sedge	G5	S2		THR
PMCYP035C0	<i>Carex gracilescens</i>	Slender Sedge	G5?	S2		SC
PMCYP036Z0	<i>Carex laevivaginata</i>	Smooth-sheathed Sedge	G5	S1		END
PMCYP037A0	<i>Carex lenticularis</i>	Shore Sedge	G5	S2		THR
PMCYP037L0	<i>Carex livida</i>	Livid Sedge	G5	S2		SC
PMCYP037T0	<i>Carex lupuliformis</i>	False Hop Sedge	G4	S2		END

ELCODE	Scientific Name	Common Name	Global Rank	State Rank	US ESA Status	State Status
PMCYP039D1	<i>Carex media</i>	Intermediate Sedge	G5T5	S2		END
PMCYP038D0	<i>Carex merritt-fernaldii</i>	Fernald's Sedge	G5	S3		SC
PMCYP038H0	<i>Carex michauxiana</i>	Michaux's Sedge	G5	S2		THR
PMCYP03990	<i>Carex nigra</i>	Smooth Black Sedge	G5	S1		SC
PMCYP039F0	<i>Carex novae-angliae</i>	New England Sedge	G5	S1		SC
PMCYP03AR0	<i>Carex platyphylla</i>	Broad-leaf Sedge	G5	S2		SC
PMCYP03B10	<i>Carex prasina</i>	Drooping Sedge	G4	S3		SC
PMCYP03C60	<i>Carex schweinitzii</i>	Schweinitz's Sedge	G3G4	SH		END
PMCYP03D00	<i>Carex straminea</i>	Straw Sedge	G5	S1		SC
PMCYP03D70	<i>Carex suberecta</i>	Prairie Straw Sedge	G4	S1		SC
PMCYP03DD0	<i>Carex swanii</i>	Swan Sedge	G5	S1		SC
PMCYP03DE0	<i>Carex sychnocephala</i>	Many-headed Sedge	G4	S2		SC
PMCYP03DT0	<i>Carex torreyi</i>	Torrey's Sedge	G4	S1		SC
PMPOA19010	<i>Catabrosa aquatica</i>	Brook Grass	G5	S1		END
PDAP10K020	<i>Chaerophyllum procumbens</i>	Spreading Chervil	G5	S1		SC
PDAST2E1C0	<i>Cirsium hillii</i>	Hill's Thistle	G3	S3	SOC	THR
PDAST2E2A0	<i>Cirsium pitcheri</i>	Pitcher's Thistle	G2G3	S2	LT	THR
PDLAM08010	<i>Clinopodium arkansanum</i>	Low Calamint	G5	S2		SC
PMCOM03052	<i>Commelina erecta var. deamiana</i>	Narrow-leaved Dayflower	G5T5	S1		SC
PDAP10P010	<i>Conioselinum chinense</i>	Hemlock-parsley	G5	SH		END
PDAST2LOF0	<i>Coreopsis lanceolata</i>	Sand Coreopsis	G5	S2		SC
PDFAB160E0	<i>Crotalaria sagittalis</i>	Arrow-headed Rattle-box	G5	S1		SC
PDCUS010D0	<i>Cuscuta coryli</i>	Hazel Dodder	G5?	S1		SC
PDCUS010S0	<i>Cuscuta glomerata</i>	Rope Dodder	G5	S1		SC
PDCUS01140	<i>Cuscuta pentagona</i>	Field Dodder	G5	S1		SC
PDCUS01170	<i>Cuscuta polygonorum</i>	Knotweed Dodder	G5	S1		SC
PMORC0Q020	<i>Cypripedium arietinum</i>	Ram's-head Lady's-slipper	G3	S2		THR
PMORC0Q050	<i>Cypripedium candidum</i>	White Lady's-slipper	G4	S2		THR
PMORC0Q093	<i>Cypripedium parviflorum var. makasin</i>	Northern Yellow Lady's-slipper	G5T4T5	S3S4		SC
PPDRY07040	<i>Cystopteris laurentiana</i>	Laurentian Bladder Fern	G3	S2		SC
PDFAB1A1Q2	<i>Dalea villosa var. villosa</i>	Silky Prairie-clover	G5T5	S2		SC
PDSCROL010	<i>Dasistoma macrophylla</i>	Mullein Foxglove	G4	S1		SC
PDFAB1D090	<i>Desmodium canescens</i>	Hoary Tick-trefoil	G5	S1		SC
PDFAB1D130	<i>Desmodium perplexum</i>	Perplexed Tick-trefoil	G5	S2S3		SC
PMPOA23020	<i>Diarrhena obovata</i>	Ovate Beak Grass	G4G5	S2		END
PMPOA241Q0	<i>Dichanthelium wilcoxianum</i>	Wilcox's Panic Grass	G5	S1		SC
PDLYT04010	<i>Didiplis diandra</i>	Water-purslane	G5	S1		SC
PDRUB0H070	<i>Diodia teres</i>	Rough Buttonweed	G5	S1		SC
PDBRA11070	<i>Draba arabisans</i>	Rock Whitlow-grass	G4	S2		SC
PDBRA110M0	<i>Draba cana</i>	Hoary Whitlow-grass	G5	S1		END
PDDRO02010	<i>Drosera anglica</i>	English Sundew	G5	S1		THR
PDDRO02060	<i>Drosera linearis</i>	Linear-leaved Sundew	G4	S1		THR
PPDRY0A0A0	<i>Dryopteris expansa</i>	Spreading Woodfern	G5	S2		SC
PPDRY0A0B0	<i>Dryopteris filix-mas</i>	Male Fern	G5	S1		SC
PDAST38040	<i>Echinacea pallida</i>	Pale Purple Coneflower	G4	S3		THR
PDAST3A010	<i>Eclipta prostrata</i>	Yerba-de-tajo	G5	S1		SC
PDELTO2090	<i>Elatine triandra</i>	Longstem Water-wort	G5	S1		SC
PMCYP09220	<i>Eleocharis compressa var. compressa</i>	Flat-stemmed Spike-rush	G4	S2		SC
PMCYP090M0	<i>Eleocharis engelmannii</i>	Engelmann's Spike-rush	G4G5	S1		SC
PMCYP090N0	<i>Eleocharis equisetoides</i>	Horsetail Spike-rush	G4	S1		SC
PMCYP091A0	<i>Eleocharis flavescens var. olivacea</i>	Capitate Spike-rush	G5	S2		SC
PMCYP092B0	<i>Eleocharis mamillata</i>	Mamillate Spike-rush	G4?	S1		SC
PMCYP09180	<i>Eleocharis nitida</i>	Neat Spike-rush	G4	S2		END
PMCYP091J0	<i>Eleocharis quadrangulata</i>	Square-stem Spike-rush	G5	S1		END
PMCYP091K0	<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush	G5	S2		SC
PMCYP091N0	<i>Eleocharis robbinsii</i>	Robbins' Spike-rush	G4G5	S3		SC
PMCYP091P0	<i>Eleocharis rostellata</i>	Beaked Spike-rush	G5	S2		THR
PMCYP091Z0	<i>Eleocharis wolfii</i>	Wolf Spike-rush	G3G5	S1	SOC	END
PMPOA2H0S3	<i>*Elymus lanceolatus ssp. psammophilus</i>	Thickspike	G5T3	S2		THR
PDONA060X0	<i>Epilobium strictum</i>	Downy Willow-herb	G5?	S3		SC
PPEQU01050	<i>Equisetum palustre</i>	Marsh Horsetail	G5	S2		SC
PDAP10Y010	<i>Erigenia bulbosa</i>	Harbinger-of-spring	G5	S1		END

*Listed as *Elytrigia dasystachya ssp. psammophila* on Wisconsin's Endangered and Threatened Species List.

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PMCYPOA091	<i>Eriophorum russeolum ssp. leiocarpum</i>	Russet Cotton-grass	G5T4T5	S1		SC
PDEUP0D120	<i>Euphorbia polygonifolia</i>	Seaside Spurge	G5?	S2		SC
PDASTE080	<i>Eurybia furcata</i>	Forked Aster	G3	S3		THR
PMPOA2V0M0	<i>Festuca occidentalis</i>	Western Fescue	G5	S1		THR
PMCYPOB0G0	<i>Fimbristylis puberula</i>	Chestnut Sedge	G5	S1		END
PDOLE040F0	<i>Fraxinus quadrangulata</i>	Blue Ash	G5	S1		THR
PMCYPOC040	<i>Fuirena pumila</i>	Dwarf Umbrella Sedge	G4	S1		END
PDRUB0N0C0	<i>Galium brevipes</i>	Swamp Bedstraw	G4?	S1		SC
PDRUB0N1P0	<i>Galium palustre</i>	Marsh Bedstraw	G5	S1		SC
PDSAN04010	<i>Geocaulon lividum</i>	Northern Comandra	G5	S1		END
PDR0S0S082	<i>Geum macrophyllum var. macrophyllum</i>	Large-leaved Avens	G5T5	S1		SC
PDR0S0S081	<i>Geum macrophyllum var. perincisum</i>	Large-leaved Avens	G5T5	S2		SC
PDFAB1W020	<i>Glycyrrhiza lepidota</i>	Wild Licorice	G5	S1		SC
PMORC17010	<i>Goodyera oblongifolia</i>	Giant Rattlesnake-plantain	G5?	S1		SC
PPDRY0D051	<i>Gymnocarpium jessoense ssp. parvulum</i>	Northern Oak Fern	G5T4	S1		SC
PPDRY0D060	<i>Gymnocarpium robertianum</i>	Limestone Oak Fern	G5	S1S2		SC
PDFAB1X010	<i>Gymnocladus dioica</i>	Kentucky Coffee-tree	G5	S2		SC
PPDRY090C0	<i>Homaliosorus pycnocarpus</i>	Glade Fern	G5	S2		SC
PDRUB1T010	<i>Houstonia caerulea</i>	Azure Bluets	G5	S2		SC
PPLYC020J0	<i>Huperzia appressa</i>	Mountain Fir Moss	G5	S1		SC
PPLYC02080	<i>Huperzia porophila</i>	Rock Clubmoss	G4	S3		SC
PPLYC02070	<i>Huperzia selago</i>	Fir Clubmoss	G5	S1S2		SC
PDRAN0F010	<i>Hydrastis canadensis</i>	Golden-seal	G3G4	S2S3		SC
PDHYD08010	<i>Hydrophyllum appendiculatum</i>	Great Water-leaf	G5	S3		SC
PDCLU03150	<i>Hypericum mutilum</i>	Slender St. John's-wort	G5	S2		SC
PDCLU031B0	<i>Hypericum prolificum</i>	Shrubby St. John's-wort	G5	S1		SC
PDCLU031H0	<i>Hypericum sphaerocarpum</i>	Round-fruited St. John's Wort	G5	S1S2		THR
PDBRA1H010	<i>Iodanthus pinnatifidus</i>	Purple Rocket	G5	S1		SC
PMIRI090H0	<i>Iris lacustris</i>	Dwarf Lake Iris	G3	S3	LT	THR
PDBER05010	<i>Jeffersonia diphylla</i>	Twingleaf	G5	S3		SC
PDJUG02030	<i>Juglans cinerea</i>	Butternut	G4	S2S3		SC
PMJUN01150	<i>Juncus marginatus</i>	Grassleaf Rush	G5	S2		SC
PMJUN012N0	<i>Juncus stygius</i>	Bog Rush	G5	S1		END
PMJUN01340	<i>Juncus vaseyi</i>	Vasey's Rush	G5?	S3		SC
PDCIS040L0	<i>Lechea mucronata</i>	Hairy Pinweed	G5	S1		SC
PDFAB27090	<i>Lespedeza leptostachya</i>	Prairie Bush Clover	G3	S2	LT	END
PDFAB27080	<i>Lespedeza violacea</i>	Violet Bush Clover	G5	S2		SC
PDFAB270G0	<i>Lespedeza virginica</i>	Slender Bush Clover	G5	S2		THR
PDBRA1N110	<i>Lesquerella ludoviciana</i>	Silver Bladderpod	G5	S1		THR
PDSOLE0E010	<i>Leucophysalis grandiflora</i>	Large-flowered Ground-cherry	G4?	S1		SC
PDAST5X0M2	<i>Liatris punctata var. nebraskana</i>	Dotted Blazing Star	G5T3T5	S2S3		END
PMORC1N010	<i>Listera auriculata</i>	Auricled Twayblade	G3G4	S1		END
PMORC1N050	<i>Listera convallarioides</i>	Broad-leaved Twayblade	G5	S1		THR
PDPLN01010	<i>Littorella uniflora</i>	American Shoreweed	G5	S2		SC
PDCPR03450	<i>Lonicera involucrata</i>	Fly Honeysuckle	G5	S1		END
PPLYC030A0	<i>Lycopodiella margueritae</i>	Northern Prostrate Clubmoss	G1G2	S1		SC
PMORC1R010	<i>Malaxis monophyllos var. brachypoda</i>	White Adder's-mouth	G4G5Q	S3		SC
PMPOA3X0D0	<i>Melica nitens</i>	Three-flowered Melic Grass	G5	S1		SC
PMPOA3X0F0	<i>Melica smithii</i>	Smith's Melic Grass	G4	S1		END
PDCAR0G070	<i>Minuartia dawsonensis</i>	Rock Stitchwort	G5	S1		SC
PDCAR0H020	<i>Moehringia (=Arenaria) macrophylla</i>	Large-leaved Sandwort	G5	S1		END
PMPOA481G0	<i>Muhlenbergia richardsonis</i>	Mat Muhly	G5	S1		END
PDBOR0P080	<i>Myosotis laxa</i>	Small Forget-me-not	G5	S2		SC
PMNAJ01030	<i>Najas gracillima</i>	Thread-like Naiad	G5?	S3S4		SC
PDMALOX010	<i>Napaea dioica</i>	Glade Mallow	G4	S3		SC
PDAST6P020	<i>Nothocalais cuspidata</i>	Prairie False-dandelion	G5	S2		SC
PDNYM04019	<i>Nuphar advena</i>	Yellow Water Lily	G5T5	S1		SC
PDNYM04015	<i>Nuphar microphylla</i>	Small Yellow Pond Lily	G5T4T5	S1		SC
PDNYS01030	<i>Nyssa sylvatica</i>	Black Tupelo	G5	S1		SC
PDONA02040	<i>Oenothera serrulata</i>	Yellow Evening Primrose	G5	S2		SC
PDASTDP030	<i>Omalotheca sylvatica</i>	Woodland Cudweed	G4	S1		SC
PDCAC0D0H0	<i>Opuntia fragilis</i>	Brittle Prickly-pear	G4G5	S3		THR
PDORO04060	<i>Orobanche fasciculata</i>	Clustered Broomrape	G4	S1		THR

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PDORO04070	<i>Orobanche ludoviciana</i>	Louisiana Broomrape	G5	S1		END
PDFAB2X041	<i>Oxytropis campestris var. chartacea</i>	Fassett's Locoweed	G5T1T2	S1S2	LT	END
PDAST8H1R0	<i>Packera indecora</i>	Plains Ragwort	G5	S1		THR
PDAST8H2F0	<i>Packera plattensis</i>	Prairie Ragwort	G5	S3		SC
PDSAX0P0D0	<i>Parnassia palustris</i>	Marsh Grass-of-Parnassus	G5T4T5	S1S2		THR
PDSAX0P0A0	<i>Parnassia parviflora</i>	Small-flowered Grass-of-Parnassus	G5T4	S1		END
PDCAR0L040	<i>Paronychia canadensis</i>	Smooth Forked Nail-wort	G5	S2S3		SC
PDFAB5L040	<i>Pediomelum argophyllum</i>	Silvery Scurf Pea	G5	S1		SC
PDFAB5L0B0	<i>Pediomelum esculentum</i>	Prairie Turnip	G5	S3		SC
PPADI0H020	<i>Pellaea atropurpurea</i>	Purple-stem Cliff-brake	G5	S2		SC
PDSCR1L330	<i>Penstemon hirsutus</i>	Hairy Beardtongue	G4	S1		SC
PDSCR1L4J0	<i>Penstemon pallidus</i>	Pale Beardtongue	G5	S1		SC
PDAST71040	<i>Petasites sagittatus</i>	Sweet Colt's-foot	G5	S3		THR
PPTHE02020	<i>Phegopteris hexagonoptera</i>	Broad Beech Fern	G5	S2		SC
PDPOR080G0	<i>Phemeranthus rugospermus</i>	Prairie Fame-flower	G3G4	S3		SC
PDPLMOD0A1	<i>Phlox bifida ssp. bifida</i>	Cleft Phlox	G5?T5?	S1		SC
PDPLMOD0T2	<i>Phlox glaberrima ssp. interior</i>	Smooth Phlox	G5TNR	S2		END
PDLNT01090	<i>Pinguicula vulgaris</i>	Common Butterwort	G5	S1		END
PMPOA4J030	<i>Piptatheropsis canadensis</i>	Canada Mountain Ricegrass	G5	S1		SC
PDPLN02090	<i>Plantago cordata</i>	Heart-leaved Plantain	G4	S1		END
PMORC1Y082	<i>Platanthera flava var. herbiola</i>	Pale Green Orchid	G4T74Q	S2		THR
PMORC1Y0A0	<i>Platanthera hookeri</i>	Hooker's Orchid	G4	S2		SC
PMORC1Y0F0	<i>Platanthera leucophaea</i>	Eastern Prairie White Fringed Orchid	G2G3	S2	LT	END
PDPLT01020	<i>Platanus occidentalis</i>	Sycamore	G5	S2		SC
PMPOA4Z1W0	<i>Poa paludigena</i>	Bog Bluegrass	G3	S3		SC
PMPOA4Z2F0	<i>Poa sylvestris</i>	Woodland Bluegrass	G5	S1		SC
PMPOA4Z2M0	<i>Poa wolfii</i>	Wolf's Bluegrass	G4	S1		SC
PDPLM0E0F4	<i>Polemonium occidentale ssp. lacustre</i>	Western Jacob's Ladder	G5?T2Q	S1		END
PDPGL020P0	<i>Polygala incarnata</i>	Pink Milkwort	G5	S1		END
PPDRY0R010	<i>Polystichum acrostichoides</i>	Christmas Fern	G5	S2		SC
PPDRY0R040	<i>Polystichum braunii</i>	Braun's Holly-fern	G5	S3		THR
PDAP11U010	<i>Polytaenia nuttallii</i>	Prairie Parsley	G5	S2		THR
PMPOT03030	<i>Potamogeton bicupulatus</i>	Snail-seed Pondweed	G4	S2		SC
PMPOT03050	<i>Potamogeton confervoides</i>	Algae-leaved Pondweed	G4	S2		THR
PMPOT03070	<i>Potamogeton diversifolius</i>	Water-thread Pondweed	G5	S2		SC
PMPOT030F0	<i>Potamogeton hillii</i>	Hill's Pondweed	G3	S1		SC
PMPOT030Q0	<i>Potamogeton oakesianus</i>	Oakes' Pondweed	G5	S3		SC
PMPOT030T0	<i>Potamogeton perfoliatus</i>	Clasping-leaf Pondweed	G5	S1		SC
PMPOT030W0	<i>Potamogeton pulcher</i>	Spotted Pondweed	G5	S1		END
PMPOT03150	<i>Potamogeton vaseyi</i>	Vasey's Pondweed	G4	S3		SC
PDAST7K040	<i>Prenanthes aspera</i>	Rough Rattlesnake-root	G4?	S1		END
PDAST7K080	<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root	G4	S1		END
PDPRI03020	<i>Primula fassettii</i>	Jeweled Shooting Star	G4	S1S2		SC
PDPRI080D0	<i>Primula mistassinica</i>	Bird's-eye Primrose	G5	S3		SC
PDAST44092	<i>Pseudognaphalium micradenium</i>	Catfoot	G4G5T3?	S1		SC
PDAST440G3	<i>Pseudognaphalium saxicola</i>	Cliff Cudweed	G5T2	S2		THR
PDRUT0F02J	<i>Ptelea trifoliata ssp. trifoliata var. trifoliata</i>	Wafer-ash	G5T5	S2		SC
PDMON07010	<i>Pterospora andromedea</i>	Giant Pinedrops	G5	S1		END
PDPYR04060	<i>Pyrola minor</i>	Lesser Wintergreen	G5	S1		END
PDFAG053A0	<i>Quercus muehlenbergii</i>	Chinquapin Oak	G5	S1S2		SC
PDFAG051P0	<i>Quercus palustris</i>	Pin Oak	G5	S1		SC
PDRAN0LOQ0	<i>Ranunculus cymbalaria</i>	Seaside Crowfoot	G5	S2		THR
PDRANOL110	<i>Ranunculus gmelinii</i>	Small Yellow Water Crowfoot	G5	S2		END
PDRANOL1G0	<i>Ranunculus lapponicus</i>	Lapland Buttercup	G5	S1		END
PDRHAOC092	<i>Rhamnus lanceolata var. glabrata</i>	Lanced-leaved Buckthorn	G5T4T5	S1		SC
PDMLS0H0B0	<i>Rhexia virginica</i>	Virginia Meadow-beauty	G5	S3		SC
PDERI150G0	<i>Rhododendron lapponicum</i>	Lapland Azalea	G5	S1		END
PDANA08010	<i>Rhus aromatica</i>	Fragrant Sumac	G5	S1		SC
PMCYPON0U0	<i>Rhynchospora fusca</i>	Brown Beak-rush	G4G5	S2		SC
PMCYPON3A0	<i>Rhynchospora scirpoides</i>	Long-beaked Bald-rush	G4	S2		THR
PDGR002184	<i>Ribes oxycanthoides ssp. oxycanthoides</i>	Canadian Gooseberry	G5T5	S2		THR
PDLYT0B030	<i>Rotala ramosior</i>	Toothcup	G5	S2S3		SC
PDACA0J080	<i>Ruellia humilis</i>	Hairy Wild Petunia	G5	S2		END

ELCODE	Scientific Name	Common Name	Global Rank	State Rank	US ESA Status	State Status
PMALI04041	<i>Sagittaria montevidensis ssp. calycina</i>	Long-lobed Arrowhead	G5T5?	S1		SC
PDSAL020U0	<i>Salix cordata</i>	Sand Dune Willow	G4	S1		END
PDSAL02260	<i>Salix pellita</i>	Satiny Willow	G5	S1		END
PDSAL022B1	<i>Salix planifolia ssp. planifolia</i>	Tea-leaved Willow	G5T5	S2		THR
PDSAL022N0	<i>Salix sericea</i>	Silky Willow	G5	S1S2		SC
PPOPH010C0	<i>Sceptridium oneidense</i>	Blunt-lobe Grape-fern	G4	S2		SC
PPOPH010P0	<i>Sceptridium rugulosum</i>	Rugulose Grape-fern	G3	S2		SC
PMCYP0Q0R0	<i>Schoenoplectus hallii</i>	Hall's Bulrush	G2G3	S1	SOC	END
PMCYP0Q0T0	<i>Schoenoplectus heterochaetus</i>	Slender Bulrush	G5	S1		SC
PMCYP0Q1J0	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush	G5?	S2		SC
PMCYP0Q0Q0	<i>Scirpus georgianus</i>	Georgia Bulrush	G5	S1		SC
PMCYP0Q140	<i>Scirpus pallidus</i>	Pale Bulrush	G5	S2		SC
PMCYP0R0K0	<i>Scleria reticularis</i>	Netted Nutrush	G4	S1		END
PMCYP0R0R0	<i>Scleria triglomerata</i>	Whip Nutrush	G5	S2		SC
PMCYP0R0S0	<i>Scleria verticillata</i>	Low Nutrush	G5	S2		SC
PDLAM1U104	<i>Scutellaria ovata ssp. ovata</i>	Heart-leaved Skullcap	G5T5	S2S3		SC
PDLAM1U111	<i>Scutellaria parvula var. parvula</i>	Small Skullcap	G4T4	S1		END
PPSEL01110	<i>Selaginella selaginoides</i>	Low Spike-moss	G5	S1		END
PDFAB491L0	<i>Senna hebecarpa</i>	Northern Wild Senna	G5	S1		SC
PDFAB491P0	<i>Senna marilandica</i>	Maryland Senna	G5	S1		SC
PDCAR0U120	<i>Silene nivea</i>	Snowy Campion	G4?	S3		SC
PDCAR0U220	<i>Silene virginica</i>	Fire Pink	G5	S1		END
PMIRI0D020	<i>Sisyrinchium albidum</i>	White Blue-eyed-grass	G5?	S2S3		SC
PMIRI0D030	<i>Sisyrinchium angustifolium</i>	Pointed Blue-eyed-grass	G5	S1		SC
PDAST8P081	<i>Solidago caesia</i>	Bluestem Goldenrod	G5	S3		END
PDAST8P2U2	<i>Solidago simplex var. gillmanii</i>	Dune Goldenrod	G5T3?	S2		THR
PMSPA01070	<i>Sparganium glomeratum</i>	Clustered Bur-reed	G4?	S2		THR
PMORC2B0J0	<i>Spiranthes lucida</i>	Shining Lady's-tresses	G5	S1		SC
PMORC2B0K0	<i>Spiranthes magnicamporum</i>	Great Plains Lady's-tresses	G4	S3		SC
PMORC2B0P1	<i>Spiranthes ovalis var. erostellata</i>	October Lady's-tresses	G5?T4?	S1		SC
PDFAB3U020	<i>Strophostyles leiosperma</i>	Small-flowered Woolly Bean	G5	S2		SC
PMPOT03091	<i>Stuckenia filiformis ssp. alpina</i>	Northern Slender Pondweed	G5T5	S2		SC
PMPOT03092	<i>Stuckenia filiformis ssp. occidentalis</i>	Slender Pondweed	G5T5	S2		SC
PMPOT03140	<i>Stuckenia vaginata</i>	Sheathed Pondweed	G5	S1		THR
PDSAX0X050	<i>Sullivantia sullivantii</i>	Sullivant's Cool-wort	G4	S3		SC
PDASTE80F6	<i>Symphyotrichum dumosum var. strictior</i>	Bushy Aster	G5T4	S1		SC
PDASTE8300	<i>Symphyotrichum robynianum</i>	Robyns' Aster	G4G5	S1		SC
PDAST92012	<i>Tanacetum bipinnatum ssp. huronense</i>	Lake Huron Tansy	G5T4T5	S1		END
PDAST8H0U0	<i>Tephrosia palustris</i>	Marsh Ragwort	G5	S1		SC
PDRAN0M0J0	<i>Thalictrum revolutum</i>	Waxleaf Meadowrue	G5	S2		SC
PDRAN0M0Q0	<i>Thalictrum venulosum</i>	Veined Meadowrue	G5	S1		SC
PDAPI28040	<i>Thaspium chapmanii</i>	Hairy Meadow Parsnip	G5	S1		END
PDAPI28033	<i>Thaspium trifoliatum var. flavum</i>	Purple Meadow Parsnip	G5T5	S2		SC
PDSAX10010	<i>Tiarella cordifolia</i>	Heartleaf Foamflower	G5	S1		END
PMLL1Y035	<i>Triantha glutinosa</i>	False Asphodel	G5	S2S3		THR
PMCYP0Q060	<i>Trichophorum cespitosum</i>	Tufted Bulrush	G5	S2		THR
PMJCG02040	<i>Triglochin palustris</i>	Slender Bog Arrow-grass	G5	S3		SC
PMLL1200L0	<i>Trillium nivale</i>	Snow Trillium	G4	S3		THR
PMORC2F050	<i>Triphora trianthophora</i>	Nodding Pogonia	G3G4	S2		SC
PMPOA69080	<i>Trisetum melicoides</i>	Purple False Oats	G4	S1		END
PMPOA690C0	<i>Trisetum spicatum</i>	Spike Trisetum	G5	S2		THR
PDLNT020K0	<i>Utricularia resupinata</i>	Northeastern Bladderwort	G4	S3		SC
PDERI18060	<i>Vaccinium cespitosum</i>	Dwarf Bilberry	G5	S2		END
PDERI180T0	<i>Vaccinium pallidum</i>	Blue Ridge Blueberry	G5	S1		SC
PDERI18120	<i>Vaccinium vitis-idaea</i>	Mountain Cranberry	G5	S1S2		END
PDVAL03073	<i>Valeriana edulis var. ciliata</i>	Hairy Valerian	G5T3	S3		SC
PDVAL030J0	<i>Valeriana uliginosa</i>	Marsh Valerian	G4Q	S2		THR
PDVER0N0W0	<i>Verbena simplex</i>	Narrow-leaved Vervain	G5	S1		SC
PDCPR070E1	<i>Viburnum cassinoides</i>	Northern Wild-raisin	G5T5	S1		SC
PDCPR07070	<i>Viburnum edule</i>	Squashberry	G5	S2		END
PDCPR070J0	<i>Viburnum prunifolium</i>	Smooth Black-haw	G5	S2		SC
PDVIO041X0	<i>Viola rostrata</i>	Long-spurred Violet	G5	S2S3		SC
PDVIO041Z1	<i>Viola sagittata var. ovata</i>	Sand Violet	G5T5	S2		END

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PDVIO04270	<i>Viola striata</i>	Striped Violet	G5	S1		SC
PPDRY0U081	<i>Woodsia oregana ssp. cathcartiana</i>	Oregon Woodsia	G5T5	S1		SC
RARE BRYOPHYTES - DRAFT						
NBMUS05010	<i>Amblyodon dealbatus</i>	A Moss	G3G5	S1		SC
NBHEP04052	<i>Anastrophyllum minutum var. minutum</i>	A Liverwort	G5T5	S1		SC
NBANT01040	<i>Anthoceros macounii</i>	A Hornwort	G3G4	S1S2		SC
NBANT01060	<i>Anthoceros punctatus</i>	A Hornwort	G5	S1S2		SC
NBMUS0N020	<i>Aulacomnium androgynum</i>	A Moss	G5	S2		SC
NBMUS0V010	<i>Blindia acuta</i>	A Moss	G5	S1		SC
NBMUS0Z060	<i>Brachythecium calcareum</i>	A Moss	G3G4	S3		SC
NBMUS1B010	<i>Buxbaumia aphylla</i>	Bug-on-a-stick	G4G5	S1		SC
NBMUS1F060	<i>Calliergon richardsonii</i>	A Moss	G4	S3		SC
NBMUS1F0A0	<i>Calliergon trifarium</i>	A Moss	G4	S1		SC
NBHEP0M010	<i>Calypogeia fissa</i>	A Liverwort	G5	S1		SC
NBHEP0M060	<i>Calypogeia sphagnicola</i>	A Liverwort	G4	S1		SC
NBHEP0P050	<i>Cephalozia lacinulata</i>	A Liverwort	G3	S1		SC
NBHEP0Q050	<i>Cephaloziella divaricata</i>	A Liverwort	G5	S1		SC
NBHEP0Q0H5	<i>Cephaloziella rubella var. sullivantii</i>	A Liverwort	G5T3?Q	S1		SC
NBMUS28010	<i>Dicranella cerviculata</i>	A Moss	G5?	S1		SC
NBMUS280A1	<i>Dicranella schreberiana var. robusta</i>	A Moss	G5TNR	S1		SC
NBMUS2G020	<i>Ditrichum flexicaule</i>	A Moss	G5	S1		SC
NBMUS2J0J0	<i>Drepanocladus simplicissimus</i>	A Moss	G1	S1		SC
NBMUS2M070	<i>Encalypta procera</i>	Extinguisher Moss	G4G5	S2		SC
NBMUS2N010	<i>Entodon brevisetus</i>	A Moss	G4?	S4?		SC
NBMUS2X060	<i>Fontinalis flaccida</i>	A Water Moss	G4G5	S1		SC
NBMUS2X0F0	<i>Fontinalis sphagnifolia</i>	A Water Moss	G3G5	S2		SC
NBHEP1A0L0	<i>Frullania selwyniana</i>	A Liverwort	G2G3	S1		SC
NBMUS2Z010	<i>Funaria americana</i>	A Moss	G3?	S3?		SC
NBMUS32120	<i>Grimmia pulvinata</i>	A Moss	G4G5	S1?		SC
NBMUS32160	<i>Grimmia teretinervis</i>	A Moss	G3G5	S2		SC
NBMUS3U010	<i>Hyophila involuta</i>	A Moss	G4G5	S2		SC
NBMUS3X010	<i>Isopterygiopsis muelleriana</i>	A Moss	G5	S1		SC
NBMUS97010	<i>Jaffueliobryum raui</i>	A Moss	G4?	S2		SC
NBMUS97020	<i>Jaffueliobryum wrightii</i>	A Moss	G4G5	S2		SC
NBHEP1P030	<i>Jungermannia confertissima</i>	A Liverwort	G5	S1		SC
NBHEP1P040	<i>Jungermannia crenuliformis</i>	A Liverwort	G4	S1		SC
NBHEP1P061	<i>Jungermannia exsertifolia ssp. cordifolia</i>	A Liverwort	G5T3T5	S1		SC
NBHEP1P080	<i>Jungermannia gracillima</i>	A Liverwort	G5	S1		SC
NBHEP1Q020	<i>Kurzia setacea</i>	A Liverwort	G4G5	S1		SC
NBMUS4B020	<i>Leucodon julaceus</i>	A Moss	G5	S2		SC
NBHEP1Y030	<i>Lophozia ascendens</i>	A Liverwort	G4	S1		SC
NBHEP1Y060	<i>Lophozia bicrenata</i>	A Liverwort	G5	S1		SC
NBHEP1Y0M0	<i>Lophozia longidens</i>	A Liverwort	G5	S1		SC
NBHEP1Y0X3	<i>Lophozia ventricosa var. longiflora</i>	A Liverwort	G5T3T5	S1		SC
NBHEP1Y0X5	<i>Lophozia ventricosa var. silvicola</i>	A Liverwort	G5T5	S1		SC
NBHEP20050	<i>Mannia triandra</i>	A Liverwort	G3G4	S1		SC
NBMUS4P020	<i>Micromitrium megalosporum</i>	A Moss	G4	S2		SC
NBHEP28020	<i>Moerckia hibernica</i>	A Liverwort	G4?	S1		SC
NBHEP29010	<i>Mylia anomala</i>	A Liverwort	G5	S1		SC
NBANT02020	<i>Notothylas orbicularis</i>	A Hornwort	G5	S1S2		SC
NBMUS8D010	<i>Oxystegus spiralis</i>	A Moss	G1	S1		SC
NBHEP2F010	<i>Pallavicinia lyellii</i>	A Liverwort	G5	S1		SC
NBMUS5E030	<i>Physcomitrium hookeri</i>	A Moss	G2G4	S2		SC
NBMUS5E040	<i>Physcomitrium immersum</i>	A Moss	G4	S2		SC
NBMUS5K030	<i>Platydictya minutissima</i>	A Moss	G3	S3		SC
NBMUS5R060	<i>Pogonatum urnigerum</i>	A Moss	G5	S2		SC
NBMUS5S050	<i>Pohlia carnea</i>	A Moss	GNR	S2		SC
NBMUS5S0E0	<i>Pohlia lescuriana</i>	A Moss	G4?	S2		SC
NBMUS63010	<i>Pterigynandrum filiforme</i>	A Moss	G4G5	S1		SC
NBMUS6B010	<i>Racomitrium aciculare</i>	A Moss	G5	S1		SC
NBMUS6B070	<i>Racomitrium heterostichum</i>	A Moss	G5	S1		SC
NBHEP2Z030	<i>Riccia beyrichiana</i>	A Liverwort	G5	S1?		SC
NBHEP2Z080	<i>Riccia cavernosa</i>	A Liverwort	G5	S1?		SC

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NBHEP2Z0E0	<i>Riccia frostii</i>	A Liverwort	G5	S1?		SC
NBHEP2Z0M0	<i>Riccia sorocarpa</i>	A Liverwort	G5	S1?		SC
NBHEP2Z0N0	<i>Riccia sullivantii</i>	A Liverwort	G4Q	S1?		SC
NBHEP33070	<i>Scapania carinthiaca</i>	A Liverwort	G3?	S1		SC
NBHEP330B0	<i>Scapania cuspiduligera</i>	A Liverwort	G5	S1		SC
NBHEP330C0	<i>Scapania degenii</i>	A Liverwort	G4G5	S1		SC
NBHEP330Y0	<i>Scapania saxicola</i>	A Liverwort	G2G4	S1		SC
NBHEP330Z0	<i>Scapania scandica</i>	A Liverwort	G5?	S1		SC
NBHEP33160	<i>Scapania umbrosa</i>	A Liverwort	G4G5	S1		SC
NBMUS6P010	<i>Schistostega pennata</i>	Luminous Moss	G3G4	S1		SC
NBMUS6R010	<i>Schwetschkeopsis fabronia</i>	A Moss	G5	S1?		SC
NBMUS6V010	<i>Scorpidium scorpioides</i>	A Moss	G4G5	S1		SC
NBMUS6X010	<i>Seligeria calcarea</i>	A Moss	G4?	S1		SC
NBMUS6X030	<i>Seligeria donniana</i>	A Moss	G4G5	S1		SC
NBMUS6Z1Q0	<i>Sphagnum andersonianum</i>	A Peat Moss	G3?	S2		SC
NBMUS6Z240	<i>Sphagnum nitidum</i>	A Peat Moss	GNR	S2		SC
NBMUS6Z0X0	<i>Sphagnum platyphyllum</i>	A Peat Moss	G5	S1S2		SC
NBMUS6Z0Z0	<i>Sphagnum pulchrum</i>	A Peat Moss	G5	S2		SC
NBMUS71010	<i>Splachnum ampullaceum</i>	A Moss	G5	S2		SC
RARE LICHENS						
NLLEC6C010	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen	G3G5	SH		SC
NLTEST9040	<i>Anaptychia crinalis</i>	Hanging Fringed Lichen	G5	S1		SC
NLTEST5270	<i>Bryoria capillaris</i>	Gray Horsehair Lichen	G5	S1		SC
NLTEST5380	<i>Bryoria nadvornikiana</i>	Spiny Gray Horsehair Lichen	GNR	S1		SC
NLTEST5590	<i>Cetraria arenaria</i>	Sand Loving Iceland Lichen	G4	S1		SC
NLTEST7090	<i>Cladonia arbuscula</i>	Reindeer Lichen	G5	SH		SC
NLTEST7190	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen	G5	S1		SC
NLT0008300	<i>Cladonia cornuta</i>	Bighorn Cladonia	G5	S2		SC
NLT0008370	<i>Cladonia decorticata</i>	Naked Cladonia	G4G5	S1		SC
NLT0008550	<i>Cladonia incrassata</i>	Powder-foot British Soldiers	G5?	S1		SC
NLT0008610	<i>Cladonia magyrica</i>	Magyar Cup Lichen	GNR	S2		SC
NLT0008970	<i>Cladonia sulphurina</i>	Greater Sulphur Cup	G5	S1		SC
NLTES10080	<i>Coccocarpia palmicola</i>	Salted Shell Lichen	G5	S1		SC
NLT0009350	<i>Collema polycarpon</i>	Shaly Jelly Lichen	GNR	SH		SC
NLT0010290	<i>Dirinaria frostii</i>	Frosty Medallion Lichen	G3G5	SH		SC
NLTEST7510	<i>Evernia prunastri</i>	Oakmoss Lichen	G5	S1		SC
NLT0011020	<i>Fuscopannaria leucophaea</i>	Rock Shingle Lichen	G5?	S1		SC
NLT0011030	<i>Fuscopannaria leucosticta</i>	Rimmed Shingle Lichen	G3G5	S1		SC
NLLEC80070	<i>Heppia lutosa</i>	Pale Soil Ruby	G3G5	S1		SC
NLT0012480	<i>Hypogymnia tubulosa</i>	Powder-headed Tube Lichen	G5	S1		SC
NLT0016320	<i>Lempholemma polyanthes</i>	Many-fruited Membrane Lichen	GNR	S1		SC
NLT0016590	<i>Leptogium arsenei</i>	Wrinkled Jellyskin	GNR	S1		SC
NLLEC98430	<i>Leptogium teretiusculum</i>	Curly Jellyskin	G4G5Q	S1		SC
NLT0017950	<i>Melanelia sorediata</i>	Powdered Camouflage Lichen	G5	S1		SC
NLT0018010	<i>Melanohalea trabeculata</i>	Trabeculate Brown-shield Lichen	GNR	S1		SC
NLLEC0T010	<i>Menegazzia terebrata</i>	Treeflute	G4?	S1		SC
NLT0019520	<i>Nephroma bellum</i>	Naked Kidney Lichen	G4G5	S1		SC
NLLECSY040	<i>Parmotrema stuppeum</i>	Powder-edged Ruffle Lichen	G4G5	SH		SC
NLT0021120	<i>Peltigera elisabethae</i>	Elizabeth's Felt Lichen	G5	S1		SC
NLVER00220	<i>Peltigera extenuata</i>	Felt Lichen	GNR	S1		SC
NLTEST5130	<i>Peltigera malacea</i>	Veinless Pelt	G5	S1		SC
NLTEST5230	<i>Peltigera scabrosa</i>	Scabby Pelt	G5	S1		SC
NLTES11740	<i>Physcia tenella</i>	Fringed Rosette Lichen	G4G5	S1		SC
NLTES11760	<i>Physciella melanchra</i>	Powdery Cryptic Rosette Lichen	G5	S2		SC
NLT0020510	<i>Protopannaria pezizoides</i>	Brown-Gray Moss Shingle	G5	SH		SC
NLT0023840	<i>Pseudevernia consocians</i>	Common Antler Lichen	G3G5	S1		SC
NLLEC3B040	<i>Pseudocyphellaria crocata</i>	Yellow Specklebelly	G4?	S1		SC
NLVER00450	<i>Punctelia caseana</i>	Speckleback Lichen	G5	S2		SC
NLLEC3S100	<i>Ramalina farinacea</i>	Dotted Ramalina	G5	SH		SC
NLT0025470	<i>Ramalina unifolia</i>	One Leaf Ramalina	GNR	S1		SC
NLLEC4G020	<i>Solorina saccata</i>	Common Chocolate Chip Lichen	G5	S1		SC
NLT0028530	<i>Sticta beauvoisii</i>	Fringed Moon Lichen	G3G4	S1		SC
NLLEC4W020	<i>Teloschistes chrysophthalmus</i>	Gold-eye Lichen	G4G5	S1		SC

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NLT0030440	<i>Usnea ceratina</i>	Warty Beard Lichen	G4G5	S2		SC
NLT0030520	<i>Usnea diplotypus</i>	Beard Lichen	GNR	S2?		SC
NLLEC5P420	<i>Usnea longissima</i>	Methuselah's Head Lichen	G4	S1		SC
NLT0030900	<i>Usnea strigosa</i>	Bush Beard Lichen	G5?	S1		SC
NLLEC5P730	<i>Usnea trichodea</i>	Bony Beard Lichen	G5?	SH		SC

NATURAL COMMUNITIES

NORTHERN FORESTS - NEW CATEGORY

CPFOR047WI	Black Spruce Swamp		G5	S3?		NA
CTFOR040WI	Boreal Forest		G3?	S2		NA
CPFOR025WI	Forested Seep		GNR	S2		NA
CPFOR039WI	Hardwood Swamp		G4	S3		NA
CTFOR041WI	Mesic Cedar Forest		G3?	S1		NA
CTFOR028WI	Mesic Floodplain Terrace		GNR	S2		NA
CTFOR030WI	Northern Dry Forest		G3?	S3		NA
CTFOR032WI	Northern Dry-mesic Forest		G4	S3		NA
CTFOR034WI	Northern Mesic Forest		G4	S4		NA
CPFOR046WI	Northern Tamarack Swamp	(Tamarack (Poor) Swamp)	G4	S3		NA
CPFOR038WI	Northern Wet Forest		G4	S4		NA
CPFOR036WI	Northern Wet-mesic Forest		G3?	S3S4		NA

SOUTHERN FORESTS - NEW CATEGORY

CTFOR044WI	Central Sands Pine-Oak Forest		G3	S3		NA
CTSAV008WI	Eastern Red-cedar Thicket	(Cedar Glade)	GNR	S4		NA
CPFOR024WI	Floodplain Forest		G3?	S3		NA
CTFOR035WI	Hemlock Relict		G2Q	S2		NA
CTFOR033WI	Pine Relict		G4	S2		NA
CTFOR012WI	Southern Dry Forest		G4	S3		NA
CTFOR014WI	Southern Dry-mesic Forest		G4	S3		NA
CPFOR022WI	Southern Hardwood Swamp		G4?	S2		NA
CTFOR016WI	Southern Mesic Forest		G3?	S3		NA
CPFOR042WI	Southern Tamarack Swamp	(Tamarack (Rich) Swamp)	G3	S3		NA
CPFOR037WI	White Pine-Red Maple Swamp		G3G4	S2		NA

SAVANNAS AND WOODLANDS

CTHER080WI	Bracken Grassland		G3	S2		NA
CTSAV007WI	Great Lakes Barrens		G2	S1		NA
CTSAV002WI	Oak Barrens		G2?	S2		NA
CTSAV004WI	Oak Opening		G1	S1		NA
CTFOR010WI	Oak Woodland		GNR	S1?		NA
CTSAV006WI	Pine Barrens		G2	S2		NA

SHRUB COMMUNITIES

CPSHR052WI	Alder Thicket		G4	S4		NA
CPSHR051WI	Muskeg		G4G5	S4		NA
CPSHR050WI	Shrub-carr		G5	S4		NA

HERBACEOUS COMMUNITIES - NEW CATEGORY

PRAIRIES

CTHER070WI	Dry Prairie		G3	S3		NA
CTHER072WI	Dry-mesic Prairie		G3	S2		NA
CTHER074WI	Mesic Prairie		G2	S1		NA
CTHER073WI	Sand Prairie		GNR	S2		NA
CPHER078WI	Wet Prairie		G3	SU		NA
CPHER076WI	Wet-mesic Prairie		G2	S2		NA

SEDGE MEADOWS, FENS, AND BOGS

CPSHR053WI	Bog Relict		G3	S3		NA
CPHER065WI	Boreal Rich Fen		G4G5	S2		NA
CPHER064WI	Calcareous Fen		G3	S3		NA
CPHER061WI	Central Poor Fen		G3G4	S3		NA
CPHER067WI	Great Lakes Shore Fen	(Shore Fen)	GNR	S2		NA
CPHER060WI	Northern Sedge Meadow		G4	S3		NA
CPSHR054WI	Open Bog		G5	S4		NA
CPHER069WI	Poor Fen		G3G4	S3		NA
CPHER062WI	Southern Sedge Meadow		G4?	S3		NA

MARSHES

CPHER054WI	American Lotus Marsh	(Floating-leaved Marsh - American Lotus)	G3G4	S3		NA
CPHER066WI	Coastal Plain Marsh		G2?	S1		NA

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CPHER056WI	Emergent Marsh		G4	S4		NA
CPHER055WI	Floating-leaved Marsh		G4G5	S4		NA
CPHER068WI	Interdunal Wetland		G2?	S1		NA
CPHER059WI	Oligotrophic Marsh	(Submergent Marsh - Oligotrophic)	GNR	S3		NA
CPHER058WI	Submergent Marsh		G5	S4		NA
CPHER057WI	Wild Rice Marsh	(Emergent Marsh - Wild Rice)	G3G4	S3		NA
PRIMARY HABITATS - NEW CATEGORY						
BEDROCK DEPENDENT						
CTGEO085WI	Algific Talus Slope		G2	S1		NA
CTGEO087WI	Alvar		G3	S1		NA
CTGEO086WI	Bedrock Glade		G2	S3		NA
CTGEO097WI	Bedrock Shore		G3G4	S2		NA
CTGEO082WI	Dry Cliff		G4G5	S4		NA
CTGEO083WI	Glaciere Talus		G2G3	S2		NA
CTGEO093WI	Great Lakes Alkaline Rockshore		G3	S2		NA
CTGEO084WI	Moist Cliff		GNR	S4		NA
CTGEO099WI	Talus Forest		G4G5	S1		NA
SAND OR BARE SOIL DEPENDENT						
CTGEO095WI	Clay Seepage Bluff		GNR	S2		NA
CTGEO092WI	Great Lakes Beach		G3	S2		NA
CTGEO094WI	Great Lakes Dune		G3	S2		NA
CTGEO091WI	Inland Beach		G4G5	S3		NA
CPHER201WI	Lacustrine Mud Flat		GNR	SU		NA
CPHER200WI	Riverine Mud Flat		GNR	SU		NA
COMMUNITY COMPLEXES						
CCCOM106WI	Great Lakes Estuary		GNR	S2		NA
CCCOM102WI	Great Lakes Ridge and Swale		G3	S2		NA
CCCOM104WI	Patterned Peatland		GNR	S1		NA
LAKES AND PONDS						
CLEPH390WI	Ephemeral Pond		GNRQ	SU		NA
CLDRA340WI	Lake--Deep, Hard, Drainage		GNR	S3		NA
CLSEE342WI	Lake--Deep, Hard, Seepage		GNR	S2		NA
CLDRA344WI	Lake--Deep, Soft, Drainage		GNR	S1		NA
CLSEE346WI	Lake--Deep, Soft, Seepage		GNR	S3		NA
CLSEE347WI	Lake--Deep, Very Soft, Seepage		GNR	S3		NA
CLBOG360WI	Lake--Hard Bog		GNR	S2		NA
CLMER376WI	Lake--Meromictic		GNR	S1		NA
CLDRA348WI	Lake--Shallow, Hard, Drainage		GNR	SU		NA
CLSEE350WI	Lake--Shallow, Hard, Seepage		GNR	SU		NA
CLDRA352WI	Lake--Shallow, Soft, Drainage		GNR	S3		NA
CLSEE354WI	Lake--Shallow, Soft, Seepage		GNR	S4		NA
CLDRA349WI	Lake--Shallow, Very Hard, Drainage (Marl)		GNR	S2		NA
CLBOG362WI	Lake--Soft Bog		GNR	S4		NA
CLSPR375WI	Lake--Spring		GNR	S3		NA
CLUNI380WI	Lake--Unique		GNR	SU		NA
CLRIV374WI	Riverine Lake/Pond		GNR	SU		NA
CLSPR370WI	Spring Pond		GNR	S3		NA
SPRINGS AND STREAMS						
CRSPR302WI	Springs and Spring Runs, Hard		GNR	S4		NA
CRSPR304WI	Springs and Spring Runs, Soft		GNR	SU		NA
CRSTR310WI	Stream--Fast, Hard, Cold		GNR	S4		NA
CRSTR312WI	Stream--Fast, Hard, Warm		GNR	SU		NA
CRSTR314WI	Stream--Fast, Soft, Cold		GNR	SU		NA
CRSTR316WI	Stream--Fast, Soft, Warm		GNR	SU		NA
CRSTR320WI	Stream--Slow, Hard, Cold		GNR	SU		NA
CRSTR322WI	Stream--Slow, Hard, Warm		GNR	SU		NA
CRSTR324WI	Stream--Slow, Soft, Cold		GNR	SU		NA
CRSTR326WI	Stream--Slow, Soft, Warm		GNR	SU		NA
SELECTED HABITATS - NEW CATEGORY						
CTGEO096WI	Cave		GNR	SU		NA
CPHER063WI	Moist Sandy Meadow		GNR	SU		NA
CTMIX088WI	Sand Barrens		GNR	SU		NA
OSURRGRASS	Surrogate Grassland		GNR	SNR		NA

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MISCELLANEOUS ELEMENTS						
OBATCOLONY	Bat Hibernaculum		GNR	S3		SC
OWADINGCA1	Bird Rookery		G5	SU		SC
OHERPHIB11	Herp Hibernaculum		GNR	SU		SC
OCHHIEM000	Hine's Emerald Critical Habitat Area		GNR	SNR	CH	SC
OKARNFHPR1	Karner Blue Federal High Potential Range		GNR	SNR	HPR	NA
OMIGLANDC1	Migratory Bird Concentration Site		G3	SU		SC
OMUSSEL000	Mussel Bed		G3	S3?		SC
OCHPIPL000	Piping Plover Critical Habitat Area		GNR	SNR	CH	SC

THE FOLLOWING ELEMENTS ARE NOT ACTIVELY TRACKED (OCCURRENCE DATA ARE NOT REFLECTED IN THE NHI PORTAL), OBSERVATION DATA ARE BEING COLLECTED THOUGH.

MAMMALS

AMACC05010	<i>Lasiurus borealis</i>	Eastern Red Bat	G5	S3		
AMACC05030	<i>Lasiurus cinereus</i>	Hoary Bat	G5	S3		
AMAEB03010	<i>Lepus americanus</i>	Snowshoe Hare	G5	S4		
AMAJH03010	<i>Lynx canadensis</i>	Canada Lynx	G5	SNA	LT	SC/FL
AMAJF02020	<i>Mustela nivalis</i>	Least Weasel	G5	SU		
AMAFF03046	<i>Peromyscus maniculatus gracilis</i>	Woodland Deer Mouse	G5TNR	S3S4		
AMAFF02030	<i>Reithrodontomys megalotis</i>	Western Harvest Mouse	G5	S3		
AMAFB02020	<i>Tamias minimus</i>	Least Chipmunk	G5	S3S4		

BIRDS

ABNJB10110	<i>Anas acuta</i>	Northern Pintail	G5	S3N		
ABNJB10180	<i>Anas americana</i>	American Wigeon	G5	S3N		
ABNNF11021	<i>Calidris canutus rufa</i>	Red Knot	G4T2	S1N	LT	SC/FL
ABPBX16030	<i>Cardellina canadensis</i>	Canada Warbler	G5	S3B		
ABPBX16020	<i>Cardellina pusilla</i>	Wilson's Warbler	G5	SUB,S4N		
ABNKC11011	<i>Circus cyaneus</i>	Northern Harrier	G5	S3B,S2N		
ABNRB02020	<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	G5	S3B		
ABNBA01030	<i>Gavia immer</i>	Common Loon	G5	S3B		
ABNMMK01030	<i>Grus americana</i>	Whooping Crane	G1	SXB	NEP	SC/FL
ABPBJ19010	<i>Hylocichla mustelina</i>	Wood Thrush	G5	S4B		
ABPBY05050	<i>Loxia curvirostra</i>	Red Crossbill	G5	SUB,S2N		
ABPBY05020	<i>Loxia leucoptera</i>	White-winged Crossbill	G5	SUB,S2N		
ABPBX10030	<i>Parkesia motacilla</i>	Louisiana Waterthrush	G5	S3B		
ABPBX03210	<i>Setophaga palmarum</i>	Palm Warbler	G5	S3B		
ABPBX94050	<i>Spizella pusilla</i>	Field Sparrow	G5	S3B		
ABPBK06010	<i>Toxostoma rufum</i>	Brown Thrasher	G5	S4B		
ABPBW01230	<i>Vireo philadelphicus</i>	Philadelphia Vireo	G5	SUB,S2N		

AMPHIBIANS

AAABH01070	<i>Lithobates catesbeianus</i>	American Bullfrog	G5	S3S4		
AAABH01170	<i>Lithobates pipiens</i>	Northern Leopard Frog	G5	S4?	SOC	
AAAAE01042	<i>Necturus maculosus</i>	Mudpuppy	G5	S3S4		

REPTILES

ARADB10014	<i>Diadophis punctatus edwardsii</i>	Northern Ring-necked Snake	G5T5	S3S4		
ARAAD05080	<i>Graptemys pseudogeographica</i>	False Map Turtle	G5	S3?		

FISHES

AFCQC01040	<i>Ammocrypta clara</i>	Western Sand Darter	G3	S3S4		
AFCHA01020	<i>Coregonus artedii</i>	Cisco	G5	S4		
AFCNB04060	<i>Fundulus diaphanus</i>	Banded Killifish	G5	S3S4		
AFCHA03020	<i>Prosopium coulterii</i>	Pygmy Whitefish	G5	S3S4		

MUSSELS AND CLAMS

IMBIV26010	<i>Ligumia nasuta</i>	Eastern Pondmussel	G4	SU		
IMBIV54040	<i>Pyganodon lacustris</i>	Lake Floater	GU	SU		

BUTTERFLIES AND MOTHS

IILEF2K060	<i>Acrocercops pnosmodiella</i>	Marbleseed Leafminer	GNR	SU		
IILEY89760	<i>Catocala amestris</i>	Three-staff Underwing	G4	SU		
IILEYKP150	<i>Copablepharon michiganensis</i>	A Noctuid Moth	G1G2	SU		
IILEY34010	<i>Cycnia inopinatus</i>	Unexpected Cycnia Moth	G4	SU		
IILEPP2010	<i>Danaus plexippus</i>	Monarch	G5	SU		
IILEYJE050	<i>Dargida rubripennis</i>	Pink-streak	G3G4	SU		
IILEVL1010	<i>Dichagyris grotei</i>	A Noctuid Moth	G4	SU		

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IILEPF3010	<i>Erora laeta</i>	Early Hairstreak	GU	SU		
IILEU2F150	<i>Euchlaena milnei</i>	A Looper Moth	G2G4	SU		
IILEPG5022	<i>Lycaeides (=Plebejus) melissa melissa</i>	Melissa Blue	G5T5	SU		
IILEYC0430	<i>Papaipema sciata</i>	Culvers Root Borer	G3	SU		
IILEYBR050	<i>Photedes enervata</i>	A Noctuid Moth	G4	SU		
IILEYBQ020	<i>Photedes inops</i>	Spartina Borer Moth	G3G4	SU		
IILEYFN010	<i>Psectraglaea carnosa</i>	Pink Sallow	G3	SU		
IILEY85030	<i>Ptichodis bistrigata</i>	A Noctuid Moth	G3	SU		
IILEYBC080	<i>Resapamea stipata</i>	The Four-lined Cordgrass Borer Moth	G4	SU		
IILEYBM010	<i>Selicanis cinereola</i>	Selicanis Moth	GNR	SU		
IILEYKG030	<i>Tricholita notata</i>	Marked Noctuid	G5	SU		
DRAGONFLIES AND DAMSELFLIES						
IIOD075010	<i>Archilestes grandis</i>	Great Spreadwing	G5	SU		
IIOD068070	<i>Argia sedula</i>	Blue-ringed Dancer	G5	SU		
IIOD070020	<i>Coenagrion interrogatum</i>	Subarctic Bluet	G5	SU		
IIOD020020	<i>Gomphaeschna furcillata</i>	Harlequin Darner	G5	SU		
IIOD072140	<i>Ischnura hastata</i>	Citrine Forktail	G5	SU		
IIOD045170	<i>Libellula vibrans</i>	Great Blue Skimmer	G5	SU		
IIOD014100	<i>Rhionaeschna multicolor</i>	Blue-eyed Darner	G5	SU		
IIOD032150	<i>Somatochlora linearis</i>	Mocha Emerald	G5	SU		
IIOD064040	<i>Tramea carolina</i>	Carolina Saddlebags	G5	SU		
CRUSTACEANS						
ICBRA01090	<i>Eubbranchipus ornatus</i>	Ornate Fairy Shrimp	G3	SU		
ICBRA01130	<i>Eubbranchipus serratus</i>	Ethologist Fairy Shrimp	G5	SU		
ICMAL15120	<i>Fallicambarus fodiens</i>	Digger Crayfish	G5	SU		
ICBRA08010	<i>Lynceus brachyurus</i>	Holarctic Clam Shrimp	G5	SU		
BETTERLES						
IICOL52020	<i>Agabus canadensis</i>	A Predaceous Diving Beetle	GNR	SU		
IICOLM1030	<i>Berosus infuscatus</i>	A Water Scavenger Beetle	GNR	SU		
IICOLM1040	<i>Berosus pantherinus</i>	A Water Scavenger Beetle	GNR	S2S3		
IICOLG0250	<i>Calligrapha incisa</i>	A Leaf Beetle	GNR	SU		
IICOLM9040	<i>Collops vicarius</i>	A Melyrid Beetle	GNR	SU		
IICOL5U030	<i>Cymbiodyta blanchardi</i>	A Water Scavenger Beetle	GNR	S2S3		
IICOL5U060	<i>Cymbiodyta semistriatus</i>	A Water Scavenger Beetle	GNR	S2S3		
IICOLYD010	<i>Ectopria sp. 2</i>	A Water Penny Beetle	GNR	SU		
IICOLM2060	<i>Enochrus diffusus</i>	A Water Scavenger Beetle	GNR	S2S3		
IICOLM2040	<i>Enochrus perplexus</i>	A Water Scavenger Beetle	GNR	SU		
IICOLS9130	<i>Gyrinus gehringi</i>	A Whirligig Beetle	GNR	SU		
IICOLS9010	<i>Gyrinus impressicollis</i>	A Whirligig Beetle	GNR	SU		
IICOLS9030	<i>Gyrinus parvus</i>	A Whirligig Beetle	GNR	SU		
IICOL5N050	<i>Haliphus canadensis</i>	A Crawling Water Beetle	GNR	SU		
IICOL5N020	<i>Haliphus fasciatus</i>	A Crawling Water Beetle	GNR	SU		
IICOL5N070	<i>Haliphus leopardus</i>	A Crawling Water Beetle	GNR	SU		
IICOL5N010	<i>Haliphus nitens</i>	Disjunct Crawling Water Beetle	GH	SH		
IICOL5N030	<i>Haliphus tortilipenis</i>	A Crawling Water Beetle	GNR	SU		
IICOLM3040	<i>Helophorus oblongus</i>	A Water Scavenger Beetle	GNR	S2S3		
IICOL6Z060	<i>Hydrochus brevitarsis</i>	A Water Scavenger Beetle	GNR	SU		
IICOL6Z080	<i>Hydrochus granulatus</i>	A Water Scavenger Beetle	GNR	S2S3		
IICOL6Z030	<i>Hydrochus scabratus</i>	A Water Scavenger Beetle	GNR	SU		
IICOL6Z040	<i>Hydrochus setosus</i>	A Water Scavenger Beetle	GNR	SU		
IICOLP5040	<i>Laccobius minutoides</i>	A Water Scavenger Beetle	GNR	SU		
IICOLP5030	<i>Laccobius truncatipenis</i>	A Water Scavenger Beetle	GNR	SU		
IICOLF2010	<i>Listronotus echinodori</i>	A Weevil	GNR	SU		
IICOLYK010	<i>Ophraella communa</i>	A Leaf Beetle	GNR	SU		
IICOL6P020	<i>Platypyllus castoris</i>	Beaver Beetle	GNR	SU		
MAYFLIES						
IIEPH15240	<i>Ameletus subnotatus</i>	A Mayfly	G5	SU		
IIEPH73020	<i>Nixe inconspicua</i>	A Flat-headed Mayfly	G5	SU		
IIEPH09050	<i>Sparbarus lacustris</i>	A Small Square-gilled Mayfly	G4	SU		
IIEPH09080	<i>Sparbarus maculatus</i>	A Small Square-gilled Mayfly	G5	SU		
IIEPH09040	<i>Sparbarus nasutus</i>	A Small Square-gilled Mayfly	G3G4	SU		

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LEAFHOPPERS AND TRUE BUGS						
IHEM29010	<i>Cenocorixa dakotensis</i>	A Water Boatman	GNR	SU		
IHEM29030	<i>Cenocorixa utahensis</i>	A Water Boatman	GNR	SU		
IHEM88010	<i>Hebrus buenoi</i>	A Velvet Waterbug	G4	SU		
IHEM45020	<i>Hesperocorixa interrupta</i>	The Interrupted Water Boatman	GNR	SH		
IHEMB2010	<i>Lethocerus grisea</i>	A Giant Water Bug	GNR	SU		
IHOM36010	<i>Paraphilaenus parallelus</i>	A Spittle Bug	GNR	S2S4		
IHEM32010	<i>Trepobates knighti</i>	A Water Strider	GNR	SU		
GRASSHOPPERS AND ALLIES						
IORT50010	<i>Hippiscus ocelote</i>	Wrinkled Grasshopper	G5	SH		
IORT01N40	<i>Melanoplus rusticus</i>	A Spur-throat Grasshopper	G4G5	SH		
IORT79010	<i>Metaleptea brevicornis</i>	Short-horned Grasshopper	G5	SH		
IORT40030	<i>Neoconocephalus robustus</i>	Crepitating Conehead	GNR	SH		
IORT9T010	<i>Paratylotropidia bruneri</i>	An Acridid Grasshopper	G4G5	SH		
IORT05030	<i>Pardalophora haldemanii</i>	Haldmen's Grasshopper	G5	SH		
STONEFLIES						
IIPLE01060	<i>Allocapnia frisoni</i>	Evansville Snowfly	G4	SU		
IIPLE0B100	<i>Leuctra ferruginea</i>	Eastern Needlefly	G5	SU		
IIPLE08020	<i>Paracapnia opis</i>	Northeastern Snowfly	G5	SU		
IIPLE1V020	<i>Perlinella ephyre</i>	Vernal Stone	G5	SU		
IIPLE0S060	<i>Soyedina vallicularia</i>	A Nemourid Broad-backed Stonefly	G5	SU		
CADDISFLIES						
IITRI33090	<i>Agapetus hessi</i>	A Saddle Casemaker Caddisfly	G4G5	SU		
IITRI15030	<i>Asynarchus rossi</i>	A Northern Casemaker Caddisfly	G4G5	SU		
IITRI66190	<i>Brachycentrus incanus</i>	A Caddisfly	G5	SU		
IITRI94010	<i>Fabria inornata</i>	A Giant Casemaker Caddisfly	G4G5	SU		
IITRI40360	<i>Hydroptila valhalla</i>	A Micro Caddisfly	G4	SU		
IITRI40370	<i>Hydroptila virgata</i>	A Micro Caddisfly	G5	SU		
IITRI01090	<i>Lepidostoma griseum</i>	A Caddisfly	G5	SU		
IITRI41090	<i>Ochrotrichia riesi</i>	A Purse Casemaker Caddisfly	G3G4	SU		
IITRI2G130	<i>Oecetis nocturna</i>	A Long-horned Casemaker Caddisfly	G5	SU		
IITRI42110	<i>Oxyethira anabola</i>	A Micro Caddisfly	G4G5	SU		
IITRI42200	<i>Oxyethira serrata</i>	A Caddisfly	G5	SU		
IITRI05230	<i>Polycentropus glacialis</i>	A Caddisfly	G3G4	SU		
IITRI05140	<i>Polycentropus weedi</i>	A Caddisfly	G5	SU		
IITRI19300	<i>Rhyacophila lobifera</i>	A Caddisfly	G5	SU		
SPIDERS						
ILARAC1010	<i>Paradamoetas fontanus</i>	A Jumping Spider	GNR	SU		
FLIES						
IIDIP7A010	<i>Parochlus kiefferi</i>	A Midge	GNR	SU		
ANTS, WASPS, AND BEES						
IHYM352M0	<i>Andrena nigrihirta</i>	An Andrenid Bee	GNR	SH		
IHYM96020	<i>Colletes consors</i>	A Cellophane Bee	GNR	SU		
IHYM96040	<i>Colletes impunctatus</i>	A Cellophane Bee	GNR	SU		
IHYM94010	<i>Epeoloides pilosula</i>	A Cuckoo Bee	G1	SH		
IHYMA6040	<i>Hoplitis albifrons</i>	A Leaf-cutter Bee	GNR	SU		
IHYM76210	<i>Lasioglossum bruneri</i>	A Sweat Bee	GNR	SU		
IHYM76250	<i>Lasioglossum coreopsis</i>	A Sweat Bee	GNR	SU		
IHYM760U0	<i>Lasioglossum paradmirandum</i>	A Sweat Bee	GNR	SU		
IHYM76630	<i>Lasioglossum swenki</i>	A Sweat Bee	GNR	SU		
IHYM05010	<i>Macropis (Macropis) ciliata</i>	A Mellittid Bee	GNR	SH		
AQUATIC AND TERRESTRIAL SNAILS						
IMGASK9010	<i>Acella haldemani</i>	Spindle Lymnaea	G3	SU		
IMGASL8010	<i>Aplexa elongata</i>	Lance Aplexa	G5	SU		
IMGASL0010	<i>Bulinnaea megasoma</i>	Mammoth Lymnaea	G4G5	SU		
IMGAS54090	<i>Discus patulus</i>	Domed Disc	G5	SU		
IMGAS64010	<i>Philomycus carolinianus</i>	Carolina Mantleslug	G5	SU		
IMGASN0180	<i>Planorbella truncata</i>	Druid Rams-horn	G3G4	SU		
IMGASL3010	<i>Pseudosuccinea columella</i>	Mimic Lymnaea	G5	SU		
IMGASJ2110	<i>Somatogyrus depressus</i>	Sandbar Pebblesnail	G2	SU		
IMGASL5040	<i>Stagnicola caperata</i>	Wrinkled Marshsnail	G5	SU		
IMGAS24020	<i>Strobilops affinis</i>	Eightfold Pinecone	G4	S3		
IMGASE5110	<i>Valvata winnebagoensis</i>	Flanged Valvata	G2	SU		

ELCODE	Scientific Name	Common Name	Global Rank	State Rank	US ESA Status	State Status
PLANTS						
PPAZO01010	<i>Azolla caroliniana</i>	Eastern Mosquito Fern	G5	SU		
PPAZO01030	<i>Azolla mexicana</i>	Floating-fern	G5	SU		
PMORC0050	<i>Calopogon oklahomensis</i>	Oklahoma Grass-pink	G3	SH	SOC	
PMCPY037P0	<i>Carex longii</i>	Greenish-white Sedge	G5	SH		
PDCOR01050	<i>Cornus drummondii</i>	Northern Roughleaf Dogwood	G5	SNA		
PDROS0H0H0	<i>Crataegus beata</i>	Dunbar's Hawthorn	G2G4Q	SH		
PMPOA20030	<i>Danthonia compressa</i>	Flattened Oatgrass	G5	SU		
PPDRY0A070	<i>Dryopteris clintoniana</i>	Clinton's Woodfern	G5	SH		
PMALI020B0	<i>Echinodorus berteri</i>	Erect Burhead	G5	SH		
PDEUP0Q0B0	<i>Euphorbia commutata</i>	Wood Spurge	G5	SH		
PMPOA2V0P0	<i>Festuca paradoxa</i>	Cluster Fescue	G5	SH		
PDVIO02020	<i>Hybanthus concolor</i>	Green Violet	G5	SH		
PMLEM010B0	<i>Lemna aequinoctialis</i>	Lesser Duckweed	G5	SU		
PMLEM01040	<i>Lemna obscura</i>	Little Duckweed	G5	SU		
PMLEM01050	<i>Lemna perpusilla</i>	Minute Duckweed	G5	SU		
PDHAL04080	<i>Myriophyllum humile</i>	Low Water Milfoil	G5	SU		
PDCAR0L0B0	<i>Paronychia fastigiata</i>	Hairy Forked Nail-wort	G5	SU		
PDCPP08030	<i>Polanisia jamesii</i>	James' Cristatella	G5	SH		
PDAST85044	<i>Rudbeckia fulgida</i>	Orange Coneflower	G5	SU		
PMALI04030	<i>Sagittaria brevirostra</i>	Shortbeak Arrowhead	G5	SU		
PDASTE8252	<i>Symphytichum racemosum var. subdumosum</i>	Fragile-stemmed Aster	G4G5T3T5Q	SNA		
PDLNT020M0	<i>Utricularia subulata</i>	Zigzag Bladderwort	G5	SU		

WISCONSIN'S EXTIRPATED SPECIES

MAMMALS

AMALE01010	<i>Bison bison</i>	American Bison	G4	SX		
AMABA04010	<i>Cryptotis parva</i>	Least Shrew	G5	SX		
AMAJF03010	<i>Gulo gulo</i>	Wolverine	G4	SX		
AMAJH04014	<i>Puma concolor schorgeri</i>	Cougar	G5T3Q	SX		
AMALC04011	<i>Rangifer tarandus caribou</i>	Woodland Caribou	G5T5	SX		

BIRDS

ABNQA05010	<i>Conuropsis carolinensis</i>	Carolina Parakeet	GX	SX		
ABNPB05010	<i>Ectopistes migratorius</i>	Passenger Pigeon	GX	SX		
ABNKC04010	<i>Elanoides forficatus</i>	American Swallow-tailed Kite	G5	SXB		
ABNKD06071	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	G4T4	SX		
ABNNF07070	<i>Numenius americanus</i>	Long-billed Curlew	G5	SXB		
ABPBG07010	<i>Thryomanes bewickii</i>	Bewick's Wren	G5	SXB		

FISHES

AFCHA01060	<i>Coregonus johanna</i>	Deepwater Cisco	GX	SX		
AFCHA01100	<i>Coregonus nigripinnis</i>	Blackfin Cisco	G1Q	SX		
AFCHA01120	<i>Coregonus reighardi</i>	Shortnose Cisco	GH	SX		
AFCJC05040	<i>Erimyzon claviformis</i>	Creek Chubsucker	G5	SX		
AFCJB28230	<i>Notropis buchanani</i>	Ghost Shiner	G5	SX		
AFCJB28310	<i>Notropis chalybaeus</i>	Ironcolor Shiner	G4	SX		

MUSSELS AND CLAMS

IMBIV24020	<i>Leptodea leptodon</i>	Scaleshell	G1G2	SX	LE	
IMBIV37030	<i>Potamilus capax</i>	Fat Pocketbook	G2	SX		

INSECTS

IIDO26080	<i>Macromia pacifica</i>	Gilded River Cruiser	G4	SX		
IICOL42010	<i>Nicrophorus americanus</i>	American Burying Beetle	G2G3	SX		END

PLANTS

PDASC02150	<i>Asclepias meadii</i>	Mead's Milkweed	G2	SX	LT	
PDSCROH0J0	<i>Collinsia verna</i>	Spring Blue-eyed Mary	G5	SX		
PDLAM0C010	<i>Collinsonia canadensis</i>	Canada Horse-balm	G5	SX		

LICHENS

NLLEC10020	<i>Anzia colpodes</i>	Black-foam Lichen	G3G5	SX		
NLT0008170	<i>Cladonia acuminata</i>	Needlepoint Cladonia	G5?	SX		
NLTES10910	<i>Ephebe lanata</i>	Rockshag Lichen	G5	SX		
NLT0020800	<i>Parmotrema chinense</i>	Powdered Ruffle Lichen	G3G5	SX		
NLT0020940	<i>Parmotrema perforatum</i>	Perforated Ruffle Lichen	G3G5	SX		
NLTEST5240	<i>Peltigera venosa</i>	Fan Lichen	G5	SX		

ELCODE	Scientific Name	Common Name	Global Rank	State Rank	US ESA Status	State Status
NLLEC2G260	<i>Physcia dakotensis</i>	Dakota Rosette Lichen	G3G5	SX		
NLT0022740	<i>Physconia subpallida</i>	Pale Frost Lichen	GNR	SX		
NLTES10620	<i>Stereocaulon condensatum</i>	Tiny Foam Lichen	G4	SX		
NLLEC5P050	<i>Usnea angulata</i>	Angular Beard Lichen	G3G5	SX		
NLT0030840	<i>Usnea rubicunda</i>	Red Beard Lichen	G4G5	SX		

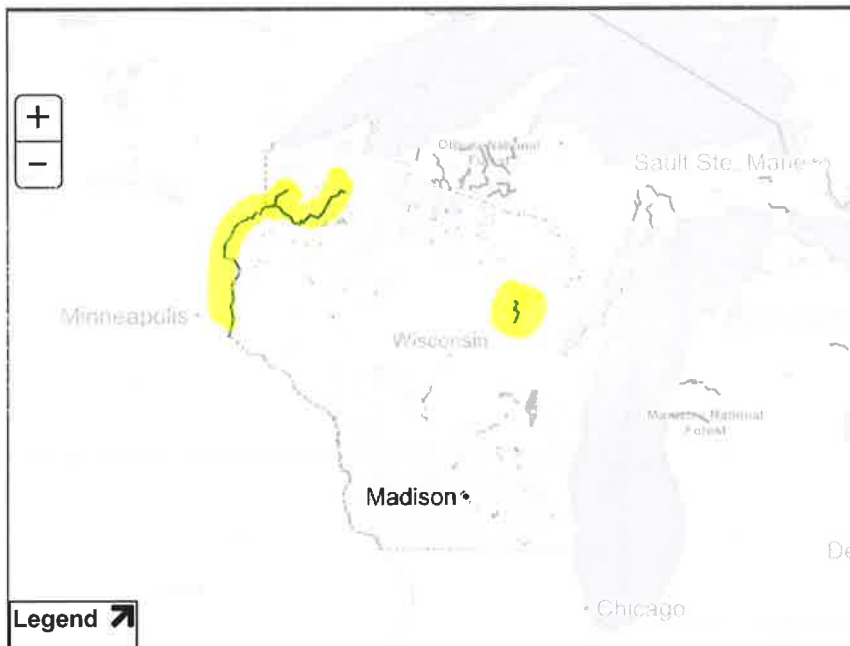
Wild & Scenic Rivers in Wisconsin



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WISCONSIN

Wisconsin has approximately 56,884 miles of river, of which 276 miles are designated as wild & scenic—approximately 1/2 of 1% of the state's river miles.



Nourished by the fertile soils of the region, rivers of the Midwest explode with life, from great avian migrations to ancient fishes.

[+ View larger map](#)

St. Croix River

Wolf River

APPENDIX D

Agency Correspondences

Kari Justmann

From: DOA Environmental Desk <DOAEnvironmentalDesk@wisconsin.gov>
Sent: Wednesday, May 27, 2020 3:12 PM
To: Kari Justmann
Subject: RE: Southern Housing Region Environmental Review

Dear Ms. Justmann:

I have reviewed the referenced project. Because proposed activities will primarily consist of rehabbing existing buildings, acquisition of property, and demolition of existing development, I anticipate that they will have no effect on historic or archeological resources. I further understand you will perform a TIER 2 review of individual projects. You may proceed with this program without further consultation with this office on historic issues. Please retain a copy of this memo in the environmental review project file as evidence that you have complied with historic and archeological resource protection requirements.

Sincerely,



JULI SPECK | Grants Specialist-Advanced
Department of Administration
Division of Energy, Housing, and Community Resources
Juli.Speck@wisconsin.gov
Main: (608) 266-7531 | Direct: (608) 264-6158



From: Kari Justmann <Kjustmann@msa-ps.com>
Sent: Thursday, May 21, 2020 4:03 PM
To: DOA Environmental Desk <DOAEnvironmentalDesk@wisconsin.gov>
Subject: Southern Housing Region Environmental Review

Good afternoon!

Columbia County, as lead county for the Southern Housing Region, has received a grant through the Wisconsin Community Development Block Grant (CDBG) from the Division of Energy, Housing and Community Resources in the amount of \$2,000,000. The award is to provide funds for housing projects and includes funds budgeted for administration. The counties included in the award are: Columbia, Dodge, Jefferson, Kenosha, Ozaukee, Racine, Rock, Sauk, Walworth and Washington.

The projects include: owner-occupied rehabilitation, renter-occupied rehabilitation and homestead opportunities. The project will not change either housing or population density. None of the projects will increase the size of the units and no new housing units will be built with these funds. Grant money will be used solely to improve the condition of existing housing units. Columbia County will cooperate with the Division of Energy, Housing and Community Resources and through them with the State Historical Society, to ensure that historically significant properties are appropriately rehabilitated.

We are requesting your review of this project for the environmental review record to be submitted to the Wisconsin Department of Administration. Please review this project with regard to concerns your agency may have and reply to this email with your comments.

Thank you for your help!
Kari



Kari Justmann | Team Leader

MSA Professional Services, Inc.

100% Employee Owned

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