

# **APPENDIX C**

## **Natural Heritage Information System Index Report**



# Minnesota Department of Natural Resources

Division of Ecological and Water Resources, Box 25

500 Lafayette Road

St. Paul, Minnesota 55155-4025

Phone: (651) 259-5091 E-mail: [samantha.bump@state.mn.us](mailto:samantha.bump@state.mn.us)

November 23, 2016

**Correspondence # ERDB 20090697-0002**

Ms. Julie Farnham  
City of Bloomington  
1800 W. Old Shakopee Road  
Bloomington, MN 55431

RE: Natural Heritage Review of the proposed Bloomington South Loop District AUAR Update

County	Township (N)	Range (W)	Section(s)
Hennepin	27	23	6,7,8 & 18
Hennepin	27	24	1,12, & 13

Dear Ms. Farnham,

The Minnesota Natural Heritage Information System has been queried to determine if any rare species or other significant natural features are known to occur within an approximate one-mile radius of the proposed project. For the results of this query, please refer to the enclosed database reports (please visit the Rare Species Guide at <http://www.dnr.state.mn.us/rsg/index.html> for more information on the biology, habitat use, and conservation measures of these rare species). As requested per the data request form, I am providing the database reports only and have not evaluated the potential for the proposed project to adversely affect these rare features.

Please note that the enclosed reports include records from the Rare Features Database only. For your information, the DNR Native Plant Communities and the MBS Sites of Biodiversity Significance are two other databases available from the Natural Heritage Information System that you may find useful in your conservation planning efforts considering both are found within the project area. GIS shapefiles of these databases can be downloaded from the MN Geospatial Commons website at <https://gisdata.mn.gov/>. Please refer to the below links for Guidelines for help interpreting this data.

The Natural Heritage Information System (NHIS), a collection of databases that contains information about Minnesota's rare natural features, is maintained by the Division of Ecological and Water Resources, Department of Natural Resources. The NHIS is continually updated as new information becomes available, and is the most complete source of data on Minnesota's rare or otherwise significant species, native plant communities, and other natural features. However, the NHIS is not an exhaustive inventory and thus does not represent all of the occurrences of rare features within the state. Therefore, ecologically significant features for which we have no records may exist within the project area. **If additional information becomes available regarding rare features in the vicinity of the project, further review may be necessary.**

The enclosed results include an Index Report and a Detailed Report of records in the Rare Features Database, the main database of the NHIS. To control the release of specific location information, which might result in the destruction of a rare feature, both reports are copyrighted.

The Index Report provides rare feature locations only to the nearest section, and may be reprinted, unaltered, in an environmental review document (e.g., EAW or EIS), municipal natural resource plan, or report compiled by your company for the project listed above. If you wish to reproduce the index

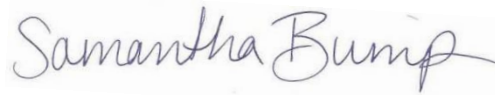
report for any other purpose, please contact me to request written permission. **The Detailed Report is for your personal use only as it may include specific location information that is considered nonpublic data under *Minnesota Statutes*, section 84.0872, subd. 2. If you wish to reprint or publish the Detailed Report for any purpose, please contact me to request written permission.**

For environmental review purposes, the results of this Natural Heritage Review are valid for one year; the results are only valid for the project location (noted above) and the project description provided on the NHIS Data Request Form. Please contact me if project details change or for an updated review if construction has not occurred within one year. Please include a copy of this letter in any state or local license or permit application. Please note that measures to avoid or minimize disturbance to the above rare features may be included as restrictions or conditions in any required permits or licenses.

The Natural Heritage Review does not constitute review or approval by the Department of Natural Resources as a whole. Instead, it identifies issues regarding known occurrences of rare features and potential effects to these rare features. To determine whether there are other natural resource concerns associated with the proposed project, please contact your DNR Regional Environmental Assessment Ecologist (contact information available at [http://www.dnr.state.mn.us/eco/ereview/erp\\_regioncontacts.html](http://www.dnr.state.mn.us/eco/ereview/erp_regioncontacts.html)). Please be aware that additional site assessments or review may be required.

Thank you for consulting us on this matter, and for your interest in preserving Minnesota's rare natural resources. An invoice will be mailed to you under separate cover.

Sincerely,



Samantha Bump  
Natural Heritage Review Specialist

enc. Rare Features Database: Index Report  
Rare Features Database: Detailed Report  
Rare Features Database Reports: An Explanation of Fields

Links: MBS Sites of Biodiversity Significance  
[http://www.dnr.state.mn.us/eco/mcbs/biodiversity\\_guidelines.html](http://www.dnr.state.mn.us/eco/mcbs/biodiversity_guidelines.html)  
DNR Native Plant Communities  
<http://www.dnr.state.mn.us/npc/index.html>

Cc: Becky Horton  
Leslie Parris

Minnesota Natural Heritage Information System  
Index Report of records within 1 mile radius of:  
ERDB #20090697 - Bloomington South Loop District AUAR Update  
Multiple TRS  
Hennepin County

Rare Features Database:

Element Name and Occurrence Number	Federal Status	MN Status	Draft Status	SGCN Status	State Rank	Global Rank	Last Obs Date	EO ID #
<b>Vertebrate Animal</b>								
<u>Bartramia longicauda</u> (Upland Sandpiper) #53 T28N R24W S36, T28N R23W S30, T28N R23W S31, T28N R24W S35, T [...]; Hennepin County		Watchlist		SGCN	S4B	G5	1978-07	7923
<u>Botaurus lentiginosus</u> (American Bittern) #300 T27N R24W S13; Hennepin County		Watchlist		SGCN	S4B	G4	2010-06-12	36317
<u>Falco peregrinus</u> (Peregrine Falcon) #46 T27N R23W S6; Hennepin County		SPC		SGCN	S3B	G4	1992	11029
<u>Haliaeetus leucocephalus</u> (Bald Eagle) #311 T27N R23W S7; Hennepin County		Watchlist			S3B,S3N	G5	1991	9674
<u>Haliaeetus leucocephalus</u> (Bald Eagle) #1156 T27N R23W S6, T27N R23W S5; Hennepin, Dakota County		Watchlist			S3B,S3N	G5	2005-05	15903
<u>Haliaeetus leucocephalus</u> (Bald Eagle) #2111 T27N R23W S7; Hennepin County		Watchlist			S3B,S3N	G5	2001	26995
<u>Haliaeetus leucocephalus</u> (Bald Eagle) #2113 T28N R23W S32, T28N R23W S33; Dakota County		Watchlist			S3B,S3N	G5	2007-05-16	26990
<u>Haliaeetus leucocephalus</u> (Bald Eagle) #2351 T27N R24W S24, T27N R24W S13; Hennepin County		Watchlist			S3B,S3N	G5	2005	31995
<u>Ictiobus niger</u> (Black Buffalo) #18 T27N R24W S24, T27N R24W S29, T27N R24W S13; Hennepin, Dakota County		THR		SGCN	S2	G5	2006-05-19	30131
<u>Lampropeltis triangulum</u> (Milksnake) #22 T28N R23W S27, T28N R23W S28, T28N R23W S20, T28N R23W S29, T [...]; Hennepin, Ramsey, Dakota County		Watchlist			S4	G5	1951-06-31	8255
<u>Notropis anogenus</u> (Pugnose Shiner) #74 T27N R23W S18, T27N R24W S13; Hennepin, Dakota County		THR		SGCN	S2	G3	1926-08-17	29841
<u>Vireo bellii</u> (Bell's Vireo) #11 T27N R23W S4, T27N R23W S5; Dakota County		SPC		SGCN	S3B	G5	1993-06-03	12586

Invertebrate Animal

Minnesota Natural Heritage Information System  
Index Report of records within 1 mile radius of:  
ERDB #20090697 - Bloomington South Loop District AUAR Update  
Multiple TRS  
Hennepin County

Rare Features Database:

Element Name and Occurrence Number	Federal Status	MN Status	Draft Status	SGCN Status	State Rank	Global Rank	Last Obs Date	EO ID #
<b>Invertebrate Animal</b>								
<u>Actinonaias ligamentina</u> (Mucket) #95 T27N R24W S13; Hennepin, Dakota County		THR		SGCN	S2	G5	1989-08-31	17131
<u>Arcidens confragosus</u> (Rock Pocketbook) #11 T28N R22W S6, T28N R23W S28, T27N R24W S27, T27N R24W S28, T [...]; Hennepin, Ramsey, Scott, Dakota County		END		SGCN	S1	G4	2005-09-08-09	17106
<u>Arcidens confragosus</u> (Rock Pocketbook) #26 T114N R24W S30, T110N R26W S10, T111N R26W S33, T110N R26W S29, T [...]; Blue Earth, Carver, Hennepin, [...] County		END		SGCN	S1	G4	2006-11-PRE	33200
<u>Ellipsaria lineolata</u> (Butterfly) #54 T28N R23W S28, T28N R23W S27, T28N R23W S32, T27N R23W S5, T [...]; Hennepin, Ramsey, Dakota County		THR		SGCN	S2	G4G5	1944-PRE	35363
<u>Elliptio crassidens</u> (Elephant-ear) #7 T27N R24W S28, T27N R24W S23, T27N R24W S22, T27N R24W S29, T [...]; Hennepin, Scott, Dakota County		END		SGCN	S1	G5	1977-PRE	28164
<u>Elliptio dilatata</u> (Spike) #106 T27N R24W S13; Hennepin, Dakota County		THR		SGCN	S2	G5	1989-08-31	29498
<u>Fusconaia ebena</u> (Ebonyshell) #8 T28N R22W S6, T28N R23W S27, T28N R23W S28, T27N R24W S28, T [...]; Hennepin, Ramsey, Scott, Dakota County		END		SGCN	S1	G4G5	2001-07-PRE	17119
<u>Lampsilis teres</u> (Yellow Sandshell) #10 T114N R24W S12, T115N R23W S10, T112N R25W S7, T110N R26W S29, T [...]; Blue Earth, Carver, Hennepin, [...] County		END		SGCN	S1	G5	1989-10-09	17146
<u>Ligumia recta</u> (Black Sandshell) #94 T27N R24W S13; Hennepin, Dakota County		SPC		SGCN	S3	G4G5	1989-08-31	17156
<u>Megalonaias nervosa</u> (Washboard) #26 T27N R24W S27, T27N R24W S28, T27N R24W S23, T27N R24W S22, T [...]; Hennepin, Scott, Dakota County		END		SGCN	S1	G5	2006-11-PRE	34259
<u>Megalonaias nervosa</u> (Washboard) #29 T28N R23W S28, T28N R23W S27, T28N R23W S32, T27N R23W S5, T [...]; Hennepin, Ramsey, Dakota County		END		SGCN	S1	G5	1944-PRE	35395

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**Rare Features Database:**

Element Name and Occurrence Number	Federal Status	MN Status	Draft Status	SGCN Status	State Rank	Global Rank	Last Obs Date	EO ID #
<b>Invertebrate Animal</b>								
<u>Quadrula nodulata</u> (Wartyback) #10 T28N R22W S6, T28N R23W S28, T28N R23W S14, T27N R24W S27, T [...]; Hennepin, Ramsey, Scott, Dakota County		THR		SGCN	S2	G4	2007-09-26	17141
<u>Speyeria idalia</u> (Regal Fritillary) #43 T27N R23W S19, T27N R23W S18, T27N R24W S13; Hennepin, Dakota County		SPC		SGCN	S3	G3	1968-07-10	23537
<u>Tritogonia verrucosa</u> (Pistolgrip) #29 T27N R24W S13; Hennepin, Dakota County		END		SGCN	S1	G4G5	1989-08-31	17135
<b>Animal Assemblage</b>								
<u>Freshwater Mussel Concentration Area</u> (Mussel Sampling Site) #141 T27N R24W S13; Hennepin, Dakota County		N/A			SNR	G3	1989-08-31	14981
<u>Freshwater Mussel Concentration Area</u> (Mussel Sampling Site) #142 T27N R23W S5, T27N R23W S8; Hennepin, Dakota County		N/A			SNR	G3	1989-08-29	14982
<b>Vascular Plant</b>								
<u>Besseyia bullii</u> (Kitten-tails) #18 T28N R23W S31, T28N R23W S30, T27N R23W S6, T28N R23W S29, T [...]; Hennepin, Dakota County		THR			S2	G3	1900-PRE	3781
<u>Carex sterilis</u> (Sterile Sedge) #3 T27N R23W S4, T27N R23W S5; Dakota County		THR			S2	G4	1982-05-18	4096
<u>Carex sterilis</u> (Sterile Sedge) #7 T27N R24W S24, T27N R23W S19, T27N R23W S18; Dakota County		THR			S2	G4	1994-10-13	4099
<u>Cypripedium candidum</u> (Small White Lady's-slipper) #22 T27N R23W S4, T27N R23W S5; Dakota County		SPC			S3	G4	1982-05-18	4304
<u>Cypripedium candidum</u> (Small White Lady's-slipper) #24 T27N R23W S18; Dakota County		SPC			S3	G4	1982-05-18	4306
<u>Cypripedium candidum</u> (Small White Lady's-slipper) #217 T28N R23W S33; Dakota County		SPC			S3	G4	1993-06-02	17275

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<b>Vascular Plant</b>								
<u>Cypripedium candidum</u> (Small White Lady's-slipper) #260 T27N R23W S19, T27N R23W S18; Dakota County		SPC			S3	G4	1993-06	20946
<u>Oxyopolis rigidior</u> (Cowbane) #1 T27N R23W S18; Dakota County		Watchlist			SNR	G5	1982-09-11	5147
<u>Oxyopolis rigidior</u> (Cowbane) #21 T27N R23W S4, T27N R23W S5; Dakota County		Watchlist			SNR	G5	1982-08-10	5166
<u>Oxyopolis rigidior</u> (Cowbane) #39 T27N R24W S24, T27N R23W S19; Dakota County		Watchlist			SNR	G5	1993-07-21	17260
<u>Oxyopolis rigidior</u> (Cowbane) #40 T27N R23W S18; Dakota County		Watchlist			SNR	G5	2013-06-03	19554
<u>Oxyopolis rigidior</u> (Cowbane) #41 T27N R24W S24, T27N R23W S19; Dakota County		Watchlist			SNR	G5	1994-07-27	19555
<u>Rhynchospora capillacea</u> (Hair-like Beak Rush) #1 T27N R23W S19, T27N R23W S18; Dakota County		THR			S2	G4	1942-08-16	5427
<u>Scleria verticillata</u> (Whorled Nutrush) #1 T27N R23W S19, T27N R23W S18; Dakota County		THR			S2	G5	1941-09-19	5563
<u>Valeriana edulis var. ciliata</u> (Edible Valerian) #9 T27N R23W S18; Dakota County		THR			S2	G5T3	1980-05-22	5834
<u>Valeriana edulis var. ciliata</u> (Edible Valerian) #13 T27N R23W S4; Dakota County		THR			S2	G5T3	1982-05-18	5838
<u>Valeriana edulis var. ciliata</u> (Edible Valerian) #50 T27N R24W S24; Dakota County		THR			S2	G5T3	1993-06-03	16611
<b>Native Plant Community (This may not represent a complete list. Also see MCBS Native Plant Communities at <a href="http://deli.dnr.state.mn.us">http://deli.dnr.state.mn.us</a>.)</b>								
<u>Black Ash - (Red Maple) Seepage Swamp Type</u> #41 T27N R24W S14, T27N R24W S13; Hennepin County		(NPC Code: WFs57a)		N/A	S1S2	GNR	1995-06-20	21564

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<b>Native Plant Community (This may not represent a complete list. Also see MCBS Native Plant Communities at <a href="http://deli.dnr.state.mn.us">http://deli.dnr.state.mn.us</a>.)</b>								
<u>Calcareous Fen (Southeastern) Type #10</u> T27N R23W S18; Dakota County		(NPC Code: OPp93c)	N/A		S1	GNR	1980	243
<u>Calcareous Fen (Southeastern) Type #11</u> T27N R23W S4; Dakota County		(NPC Code: OPp93c)	N/A		S1	GNR	1994-05-27	244
<u>Calcareous Fen (Southeastern) Type #25</u> T27N R24W S24, T27N R23W S19; Dakota County		(NPC Code: OPp93c)	N/A		S1	GNR	1993-07-21	16550
<u>Calcareous Fen (Southeastern) Type #28</u> T28N R23W S33, T28N R23W S34; Dakota County		(NPC Code: OPp93c)	N/A		S1	GNR	1994-07-20	20941
<u>Calcareous Fen (Southeastern) Type #29</u> T27N R23W S19, T27N R23W S18; Dakota County		(NPC Code: OPp93c)	N/A		S1	GNR	1994-10-13	20942
<u>Calcareous Fen (Southeastern) Type #30</u> T27N R23W S19, T27N R23W S18; Dakota County		(NPC Code: OPp93c)	N/A		S1	GNR	1993-09	20943
<u>Seepage Meadow/Carr Type #2133</u> T27N R24W S24; Dakota County		(NPC Code: WMs83a)	N/A		S3	GNR	1994-10-13	2889
<u>Southern Wet Ash Swamp Class #39</u> T27N R24W S14, T27N R24W S23, T27N R24W S13; Hennepin County		(NPC Code: WFs57)	N/A		S1orS1S2	GNR	1995-06-22	21563
<u>Spikerush - Bur Reed Marsh (Prairie) Type #1194</u> T28N R23W S33; Dakota County		(NPC Code: MRp93b)	N/A		S1	GNR	1994-08-25	20948
<u>Spikerush - Bur Reed Marsh (Prairie) Type #1243</u> T27N R23W S5, T27N R23W S8; Dakota County		(NPC Code: MRp93b)	N/A		S1	GNR	1994-08-29	20947

Records Printed = 56

Minnesota's endangered species law (*Minnesota Statutes*, section 84.0895) and associated rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the taking of threatened or endangered species without a permit. For plants, taking includes digging or destroying. For animals, taking includes pursuing, capturing, or killing.

An Explanation of Fields:



Minnesota Natural Heritage Information System  
Index Report of records within 1 mile radius of:  
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Multiple TRS  
Hennepin County

**Element Name and Occurrence Number:** The Element is the name of the rare feature. For plant and animal species records, this field holds the scientific name followed by the common name in parentheses; for all other elements it is solely the element name. Native plant community names correspond to Minnesota's Native Plant Community Classification (Version 2.0). The Occurrence Number, in combination with the Element Name, uniquely identifies each record.

**Federal Status:** The status of the species under the U.S. Endangered Species Act: LE = endangered; LT = threatened; LE,LT = listed endangered in part of its range, listed threatened in another part of its range; LT,PDL = listed threatened, proposed for delisting; C = candidate for listing. If null or 'No Status,' the species has no federal status.

**MN Status:** The legal status of the plant or animal species under the Minnesota Endangered Species Law: END = endangered; THR = threatened; SPC = special concern; NON = tracked, but no legal status. Native plant communities, geological features, and colonial waterbird nesting sites do not have any legal status under the Endangered Species Law and are represented by a N/A.

**Draft Status:** Proposed change to the legal status of the plant or animal species under the Minnesota Endangered Species Law: END = endangered; THR = threatened; SPC = special concern; Watchlist = tracked, but no legal status.

**SGCN Status:** SGCN = The species is a Species in Greatest Conservation Need as identified in Minnesota's State Wildlife Action Plan (<http://www.dnr.state.mn.us/cwcs/index.html>). This designation applies to animals only.

**State Rank:** Rank that best characterizes the relative rarity or endangerment of the taxon or plant community in Minnesota. The ranks do not represent a legal status. They are used by the Minnesota Department of Natural Resources to set priorities for research, inventory and conservation planning. The state ranks are updated as inventory information becomes available. S1 = Critically imperiled in Minnesota because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation from the state. S2 = Imperiled in Minnesota because of rarity or because of some factor(s) making it very vulnerable to extirpation from the state. S3 = Vulnerable in Minnesota either because rare or uncommon, or found in a restricted range, or because of other factors making it vulnerable to extirpation. S4 = Apparently secure in Minnesota, usually widespread. S5 = Demonstrably secure in Minnesota, essentially ineradicable under present conditions. SH = Of historical occurrence in the state, perhaps having not been verified in the past 20 years, but suspected to be still extant. An element would become SH without the 20-year delay if the only known occurrences in the state were destroyed or if it had been extensively and unsuccessfully looked for. SNR = Rank not yet assessed. SU = Unable to rank. SX = Presumed extinct in Minnesota. SNA = Rank not applicable. S#S# = Range Rank: a numeric range rank (e.g., S2S3) is used to indicate the range of uncertainty about the exact status of the element. S#B, S#N = Used only for migratory animals, whereby B refers to the breeding population of the element in Minnesota and N refers to the non-breeding population of the element in Minnesota.

**Global Rank:** The global (i.e., range-wide) assessment of the relative rarity or imperilment of the species or community. Ranges from G1 (critically imperiled due to extreme rarity on a world-wide basis) to G5 (demonstrably secure, though perhaps rare in parts of its range). Global ranks are determined by NatureServe, an international network of natural heritage programs and conservation data centers.

**Last Observed Date:** Date that the Element Occurrence was last observed to be extant at the site in format YYYY-MM-DD.

**EO ID #:** Unique identifier for each Element Occurrence record.

**Element Occurrence:** An area of land and/or water in which an Element (i.e., a rare species or community) is, or was, present, and which has practical conservation value for the Element as evidenced by potential continued (or historical) presence and/or regular recurrence at a given location. Specifications for each species determine whether multiple observations should be considered 1 Element Occurrence or 2, based on minimum separation distance and barriers to movement.