

APPENDIX B

CORRESPONDENCE

Minnesota Department of Natural Resources – Natural Heritage

- **2001 Database Search**

Minnesota Natural Heritage Database
Element Occurrence Records

AIRPORT SOUTH DISTRICT ADAR - BLOOMINGTON, HENNEPIN COUNTY
T27N R24W SEC 1,12,13 & T27N R23W SEC 5-8,18
MNDNR, Natural Heritage and Nongame Research Program

11:19 Monday, NOVEMBER 26, 2001
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TWP	RNG	PRIMARY SECTION	FED STATUS	MN STATUS	S RANK	ELEMENT and OCCURRENCE NUMBER	MANAGED AREA
T027N	R23W	04			S1	CALCARBOUS SHEPAG FEN (SOUTHEAST) PRAIRIE SUBTYPE #11	FORT SNELLING STATE PARK
T027N	R23W	04		THR		CAREX STERILIS (STERILE SEDGE) #3	FORT SNELLING STATE PARK
T027N	R23W	04		SPC		CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #22	FORT SNELLING STATE PARK
T027N	R23W	04		THR		VALERIANA EDULIS VAR. CILIATA (VALERIAN) #13	FORT SNELLING STATE PARK
T027N	R23W	05		END		ARCIDENS CONFRAGOSUS (ROCK POCKETBOOK MUSSEL) #11	FORT SNELLING STATE PARK
T027N	R23W	05		END		LAMPISILIS TERES (YELLOW SANDSHELL MUSSEL) #12	FORT SNELLING STATE PARK
T027N	R23W	05			S2	MIXED EMERGENT MARSH (PRAIRIE) #24	FORT SNELLING STATE PARK
T027N	R23W	05				MUSSEL SAMPLING SITE #142	FORT SNELLING STATE PARK
T027N	R23W	06		THR		FALCO PERGRINUS (PERBORINE FALCON) #46	
T027N	R23W	07	LT	SPC		HALIAETUS LEUCOCEPHALUS (BALD EAGLE) #311	
T027N	R23W	07	LT	SPC		HALIAETUS LEUCOCEPHALUS (BALD EAGLE) #2111	MINNESOTA VALLEY NWR
T027N	R23W	17		THR		EMYOIDEA BLANDINGII (BLANDING'S TURTLE) #936	
T027N	R23W	18			S1	CALCARBOUS SHEPAG FEN (SOUTHEAST) PRAIRIE SUBTYPE #10	FORT SNELLING STATE PARK
T027N	R23W	18			S1	CALCARBOUS SHEPAG FEN (SOUTHEAST) PRAIRIE SUBTYPE #29	
T027N	R23W	18			S1	CALCARBOUS SHEPAG FEN (SOUTHEAST) PRAIRIE SUBTYPE #30	
T027N	R23W	18		THR		CAREX STERILIS (STERILE SEDGE) #7	FORT SNELLING STATE PARK
T027N	R23W	18		THR		CAREX STERILIS (STERILE SEDGE) #58	FORT SNELLING STATE PARK
T027N	R23W	18		THR		CAREX STERILIS (STERILE SEDGE) #102	
T027N	R23W	18		THR		CAREX STERILIS (STERILE SEDGE) #103	
T027N	R23W	18		SPC		CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #24	FORT SNELLING STATE PARK
T027N	R23W	18		SPC		CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #260	
T027N	R23W	18		THR		RHYNCHOSPORA CAPILLACIA (HAIR-LIKE BRAK-RUSH) #1	
T027N	R23W	18		TIGR		SCLERIA VERTICILLATA (WHORLED NUT-RUSH) #1	
T027N	R23W	18		SPC		SPEYERIA IDALIA (REGAL FRITTLIARY) #43	
T027N	R23W	18		THR		VALERIANA EDULIS VAR. CILIATA (VALERIAN) #9	FORT SNELLING STATE PARK
T027N	R24W	13		THR		ACTINONAIAS LIGAMENTINA (MUCKRUT MUSSEL) #95	MINNESOTA VALLEY NWR
T027N	R24W	13		END		ELLIPTIO CRASSIDENS (ELBPHANT-EAR MUSSEL) #2	MINNESOTA VALLEY NWR
T027N	R24W	13		END		FUSCONAIA EBEDIA (EBONYSHHELL MUSSEL) #8	MINNESOTA VALLEY NWR
T027N	R24W	13		END		LAMPISILIS TERES (YELLOW SANDSHELL MUSSEL) #11	MINNESOTA VALLEY NWR
T027N	R24W	13		SPC		LIGUMIA RECTA (BLACK SANDSHELL MUSSEL) #94	MINNESOTA VALLEY NWR
T027N	R24W	13				MUSSEL SAMPLING SITE #141	MINNESOTA VALLEY NWR
T027N	R24W	13		END		QUADRULA MODULATA (MARTYBACK MUSSEL) #12	MINNESOTA VALLEY NWR
T027N	R24W	13		THR		TRITOGONIA VIRRUCOSA (PISTOLGRIP MUGGET) #29	MINNESOTA VALLEY NWR
T027N	R24W	14			S3	BLACK ASH SWAMP SHEPAG SUBTYPE #13	MINNESOTA VALLEY NWR
T027N	R24W	14		SPC		TRILLIUM NIVALE (SNOW TRILLIUM) #29	MOUND SPRINGS PARK
T027N	R24W	23			S3	BLACK ASH SWAMP SHEPAG SUBTYPE #11	MOUND SPRINGS PARK
T027N	R24W	23		THR		FALCO PERGRINUS (PERBORINE FALCON) #56	
T027N	R24W	23		THR		POLYODON SPATHULA (PADDLEFISH) #4	
T027N	R24W	24			S1	CALCARBOUS SHEPAG FEN (SOUTHEAST) PRAIRIE SUBTYPE #25	
T027N	R24W	24		THR		CAREX STERILIS (STERILE SEDGE) #70	
T027N	R24W	24		THR		VALERIANA EDULIS VAR. CILIATA (VALERIAN) #50	
T027N	R24W	24			S3	NET MEADOW #85	MINNESOTA VALLEY NWR
T028N	R23W	32		THR		BESSEYA BULLII (KITTEH-TAILS) #18	FORT SNELLING MILITARY RESERVATION
T028N	R23W	32	LT	SPC		HALIAETUS LEUCOCEPHALUS (BALD EAGLE) #2113	FORT SNELLING STATE PARK
T028N	R23W	33			S1	CALCARBOUS SHEPAG FEN (SOUTHEAST) PRAIRIE SUBTYPE #28	FORT SNELLING STATE PARK
T028N	R23W	33		SPC		CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #217	FORT SNELLING STATE PARK
T028N	R23W	33			S2	MIXED EMERGENT MARSH (PRAIRIE) #23	FORT SNELLING STATE PARK

Rare Features Database Print-outs: An Explanation of Fields

The Rare Features database is part of the Natural Heritage Information System, and is maintained by the Natural Heritage and Nongame Research Program, a unit within the Section of Ecological Services, Minnesota Department of Natural Resources (DNR).

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Field Name: [Full (non-abbreviated) field name, if different]. Further explanation of field.

-C-

CBS Site: [County Biological Survey site number]. In each county, the numbering system begins with 1.

CLASS: A code which classifies features by broad taxonomic group: NC = natural community; SA = special animal; SP = special plant; GP = geologic process; GT = geologic time; OT = other (e.g. colonial waterbird colonies, bat hibernacula).

CTY: [County]. Minnesota counties (ordered alphabetically) are numbered from 1 (Aitkin) to 87 (Yellow Medicine).

CURRENT STATUS: Present protection status, from 0 (owner is not aware of record) to 9 (dedicated as a Scientific and Natural Area).

-D-

DNR Region: 1=NW, 2=NE, 3=E Central, 4=SW, 5=SE, 6= Minneapolis/St. Paul Metro.

DNR Quad: [DNR Quadrangle code]. DNR-assigned code of the U.S. Geologic Survey topographic map on which the rare feature occurs.

-E-

ELEMENT or Element: See "Element Name (Common Name)"

Element Name (Common Name): 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 (such as plant communities, which have no scientific name) it is solely the element name.

EO RANK: [Element Occurrence Rank]. An evaluation of the quality and condition of natural communities from A (highest) to D (lowest).

EO Size: [Element Occurrence Size]. The size in acres (often estimated) of natural communities.

-F-

FED STATUS: [Federal Status]. Status of species under the Federal Endangered Species Law: LE=endangered, LT=threatened, C=species which have been proposed for federal listing.

Federal Status: See "FED STATUS"

Forestry District: The Minnesota DNR's Division of Forestry district number.

-G-

GLOBAL RANK: The abundance of an element globally, 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 the Conservation Science Division of The Nature Conservancy.

-I-

INTENDED STATUS: Desired protection status. See also "CURRENT STATUS." If a complete list of protection status codes is needed, please contact the Natural Heritage Program.

-L-

LAST OBSERVED or Last Observed Date or Last Observation: Date of the most recent record of the element at the location.

Latitude: The location at which the occurrence is mapped on Natural Heritage Program maps. NOTE: There are various levels of precision in the original information, but this is not reflected in the latitude/longitude data. For some of the data, particularly historical records, it was not possible to determine exactly where the original observation was made (e.g. "Fort Snelling", or "the south shore of Lake Owasso"). Thus the latitude/longitude reflect the mapped location, and not necessarily the observation location.

Legal: Township, range and section numbers.

Long: [Longitude]. See NOTE under "Latitude"

-M-

MANAGED AREA or Managed Area(s): Name of the federally, state, locally, or privately managed park, forest, preserve, etc., containing the occurrence, if any. If this field is blank, the element probably occurs on private land. If "(STATUTORY BOUNDARY)" occurs after the name of a managed area, the location may be a private inholding within the statutory boundary of a state forest or park.

Map Sym: [Map Symbol].

MN STATUS: [Minnesota Status]. Legal status of plant and animal species under the Minnesota endangered species law

END=endangered, THR=threatened, SPC=special concern, NON=no legal status, but rare and may become listed if declines continue. This field is blank for natural communities and colonial waterbird nesting sites, which have no legal status in Minnesota, but are tracked by the database.

-N-

NC Rank: (Natural Community Rank).

-O-

Occ #: (Occurrence Number). The occurrence number, in combination with the element name, uniquely identifies each record.

OCCURRENCE NUMBER: See "Occ #"

OF OCCURS: The number of records existent in the database for each element within the area searched.

Ownership: Indicates whether the site is publicly or privately owned; for publicly owned land, the agency with management responsibility is listed.

-P-

Precision: Precision of locational information of occurrence: C (confirmed) = known within 1/4 mile radius, U (unconfirmed) = known within 1/2 mile, N (non-specific) = known within 1 mile, G (general) = occurs within the general region, X (unmappable)=location is unmappable on USGS topographic quadrangles (often known only to the nearest county), O (obscure/gone)=element no longer exists at the location.

PS: (Primary Section). The section containing all or the greatest part of the occurrence.

-Q-

Quad Map: See "DNR Quad"

-R-

Rec #: (Record number).

RNG or Rng: (Range number).

-S-

SECTION or Section: [Section number(s)]. Some records are given only to the nearest section (s), but most are given to the nearest quarter-section or quarter-quarter-section (e.g., SWNW32 denotes the SW1/4 of the NW1/4 of section 32). A "0" is used as a place holder when a half-section is specified (e.g., ON03 refers to the north 1/2 of section 3). When an occurrence crosses section boundaries, both sections are listed, without punctuation (e.g., the NE1/4 of section 19 and NW1/4 of section 20 is displayed as "NE19NW20").

Site: A name which refers to the geographic area within which the occurrence lies. If no name for the area exists (a locally used name, for example), one is assigned by the County Biological Survey or the Natural Heritage Program.

Source: The collector or observer of the rare feature occurrence.

S RANK: (State Rank). A rank assigned to the natural community type which reflects the known extent and condition of that community in Minnesota. Ranks range from 1 (in greatest need of conservation action in the state) to 5 (secure under present conditions). A "7" following a rank indicates little information is available to rank the community. Communities for which information is especially scarce are given a "U", for "rank undetermined". 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.

State Status: See "MN STATUS"

-T-

TWP or Twp: [Township number].

-V-

Verification: A reflection of the reliability of the information on which the record is based. The highest level of reliability is "verified," which usually indicates a collection was made or, in the case of bird records, nesting was observed. Plant records based on collections made before 1970 are unverified.

Voucher: The museum or herbarium where specimens are maintained, and the accession number assigned by the repository. In the case of bald eagles, this is the breeding area number.

-W-

Wildlife Area: The Minnesota DNR's Section of Wildlife administrative number.

Data Security

Locations of some rare features must be treated as sensitive information because widespread knowledge of these locations could result in harm to the rare features. For example, wildflowers such as orchids and economically valuable plants such as ginseng are vulnerable to exploitation by collectors; other species, such as bald eagles, are sensitive to disturbance by observers. For this reason, we prefer that publications not identify the precise locations of vulnerable species. We suggest describing the location only to the nearest section. If this is not acceptable for your purposes, please call and discuss this issue with the Environmental Review Specialist for the Heritage and Nongame Research Program at 651/296-7863.

T027N R23W SW04 DAKOTA COUNTY, MN

Element: CALCAREOUS SBEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #11
S Rank: S1

EO Size: 70 acres approx EO Rank: C Current Status: 3 Intended Status: 6
Site: GUN CLUB LAKE SOUTH CBS Site #: 3

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK

Source: DELANEY, B. & PUGR, E. (RELEVE 1993); DUNEVITZ, H. (CO BIOL SURVEY 1994); NELSON & CO

LARGE EXPANSE OF FEN ON DEEP SATURATED PEAT WITH SEVERAL AREAS OF CALCAREOUS GROUNDWATER DISCHARGE. SCATTERED AREAS OF LOWER-STATURED SEDGE-DOM VEG WITH CAREX STERILIS, C. PRAIRIA, LOBELIA KALMII, TRIGLOCHIN MARITIMA, CYPRIPEIDIUM CANDIDUM; SURROUNDED BY AREAS WITH 50% SHRUB COVER (CORNUS STOLONIFERA, SALIX SPP.), DIVERSE HERB LAYER, BUT HEAVY THATCH & SOME LG PHALARIS, PHRAGMITES PATCHES. MINNESOTA RIVER VALLEY, JUST SOUTH OF I-494 BRIDGE.

Last Observed Date: 27 May 1994

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 51' 19" Long: 93 10' 54"

Precision: approx. boundaries have been determined

Voucher: RELEVES

Verification: verified

T027N R23W SW04 DAKOTA COUNTY, MN

Element: CAREX STERILIS (STERILE SEDGE) #3
State Status: THREATENED

EO Size: EO Rank: B Current Status: 3 Intended Status: 6
Site: GUN CLUB LAKE SOUTH CBS Site #: 3

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK

Source: SMITH, W.R. (5953)

COMMON IN SLOPING CALCAREOUS FEN. BETWEEN GUN CLUB LAKE & HWY 13 IN THE MINNESOTA VALLEY. WITH CYPRIPEIDIUM CANDIDUM, TRIGLOCHIN MARITIMA, VALERIANA HOULIS, ERIOPHORUM ANGUSTIFOLIUM. (PREV COLL; WHEELER, B. (690874 MIN) 1978).

Last Observed Date: 18 May 1982

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 51' 20" Long: 93 11' 2"

Precision: within 0.25 mile, confirmed

Voucher: MIN

Verification: verified

T027N R23W SW04 DAKOTA COUNTY, MN

Element: CYPRIPEIDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #22
State Status: SPECIAL CONCERN

EO Size: EO Rank: B Current Status: 3 Intended Status: 6
Site: GUN CLUB LAKE SOUTH CBS Site #: 3

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK

Source: SMITH, W.R. (5952)

MORE THAN 100 PLANTS IN CALCAREOUS FEN. WITH CYPRIPEIDIUM CALCEOLAIS, CAREX STERILIS, VALERIANA HOULIS. T27N R23W, SW04 SEC 4. (PREV COLL BELIEVED TO BE ROSENDAHL, C.O. (2458), FORT SNELLING RESERVATION WITH ZIZIA, VALERIAN, 1910.)

Last Observed Date: 18 May 1982

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 51' 20" Long: 93 11' 2"

Precision: within 0.25 mile, confirmed

Voucher: MIN

Verification: verified

T027N R23W SW04 DAKOTA COUNTY, MN

Element: VALERIANA HOULIS VAR. CILIATA (VALERIAN) #13
State Status: THREATENED

EO Size: EO Rank: B Current Status: 3 Intended Status: 6
Site: GUN CLUB LAKE SOUTH CBS Site #: 3

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK

Source: SMITH, W.R. (5959)

FREQUENT IN SLOPING CALCAREOUS FEN. BETWEEN GUN CLUB LAKE AND HWY 13 IN THE MINNESOTA VALLEY. WITH CYPRIPEIDIUM CANDIDUM, TRIGLOCHIN MARITIMA, CAREX STERILIS ERIOPHORUM ANGUSTIFOLIUM. (PREV COLL: 6-15-1909 C.O. ROSENDAHL #2103 196275 MIN)

Last Observed Date: 18 May 1982

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 51' 20" Long: 93 11' 2"

Precision: within 0.25 mile, confirmed

Voucher: MIN

Verification: verified

T027N R23W NW08SWS05 DAKOTA COUNTY, MN

Element: ARCIDENS CONFRAGOSUS (ROCK POCKETBOOK MUSSEL) #11

State Status: ENDANGERED

EO Size: EO Rank: Current Status: Intended Status:

Site: MILE MARKER 4.5 SITE 58

Ownership: Owner unknown

Managed Area(s): FORT SNELLING STATE PARK

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (MILE MARKER 4.5. SITE IS 10-120M UPSTREAM OF MILE MARKER.)

Last Observed Date: 29 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 50' 55" Long: 93 12' 20"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R23W NW08SWS05 DAKOTA COUNTY, MN

Element: LAMPSILIS TERES (YELLOW SANDSHELL MUSSEL) #12

State Status: ENDANGERED

EO Size: EO Rank: Current Status: Intended Status:

Site: MILE MARKER 4.5 SITE 58

Ownership: Owner unknown

Managed Area(s): FORT SNELLING STATE PARK

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (MILE MARKER 4.5. SITE IS 10-120M UPSTREAM OF MILE MARKER.)

Last Observed Date: 29 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 50' 55" Long: 93 12' 20"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R23W NW08SWS05 DAKOTA COUNTY, MN

Element: MIXED EMERGENT MARSH (PRAIRIE) #24

S Rank: S2

EO Size: 60 acres approx EO Rank: Current Status: Intended Status:

Site: GUN CLUB LAKE SOUTH

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK MISSISSIPPI NATL RIVER & RECREATION AREA

Source: DUNEVITZ, H. (CO BIOL SURVEY 1994)

PATCHES VARIOUSLY DOM BY ZIZANIA PALUSTRIS (DEEPER WATER), SCIRPUS FLUVIATILIS, SPARGANIUM BRYCARPUM, AND/OR PHRAGMITES AUSTRALIS. PATCHY SHRUB COVER (<25%) (AMORPHA FRUTICOSA, SALIX BICQUA). OVERALL HIGH NATIVE SPECIES DIVERSITY. PORTIONS PROBABLY FORMER PEN, NOW FLOODED BY EXPANDED LAKE. ON SATURATED PEAT ON THE EAST SIDE OF GUN CLUB LAKE. ADJACENT TO CALCAREOUS SUBPAGE PEN ON EAST EDGE, DISTURBED MARSH & PEN WITH EXTENSIVE PHALARIS ON SOUTH. MINNESOTA RIVER VALLEY.

Last Observed Date: 29 August 1994

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 50' 55" Long: 93 11' 52"

Precision: approx. boundaries have been determined

Voucher: RELEVÉ 1994

Verification: verified

T027N R23W NW08SWS05 DAKOTA COUNTY, MN

Element: MUSSEL SAMPLING SITE #142

EO Size: EO Rank: Current Status: Intended Status:

Site: MILE MARKER 4.5 SITE 58

Ownership: Owner unknown

Managed Area(s): FORT SNELLING STATE PARK

Source: BRIGHT, B. (MUSSEL SURVEY OF MINNESOTA RIVER)

10-120M UPSTREAM FROM MARKER 4.5. TIMED SEARCH; LIVE SPP: 3 AYODONTA GRANDIS GRANDIS, 1 QUADRULA QUADRULA. DEAD SPP: AMBLEMA PPLICATA, ARCIDENS CONFRAGOSUS, FUSCONATA FLAVA, LAMPSILIS RADIATA LUTEOLA, L. TERES TERES, L. VENTRICOSA, LEPTODEA FRAGILIS, OBLIQUARIA REFLIXA, POTAMILUS ALATUS, P. OHIOENSIS, QUADRULA PUSTULOSA, TRUNCILLA TRUNCATA. GRID SEARCH; DEAD SPP: FUSCONATA FLAVA, LEPTODEA FRAGILIS.

Last Observed Date: 29 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 50' 55" Long: 93 12' 20"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

Minnesota Natural Heritage Database
Element Occurrence Records

AIRPORT SOUTH DISTRICT AUAR - BLOOMINGTON, HENNEPIN COUNTY
T27N R24W SEC 1,12,13 & T27N R23W SEC 5-8,18
MnDNR, Natural Heritage and Nongame Research Program

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T027N R23W SW106 HENNEPIN COUNTY, MN

Element: FALCO PERBORIUS (PHEASANT FALCON) #46

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: LONG MEADOW LAKE CBS Site #: 1

Ownership: Private

Managed Area(s): not managed or no record

Source: TORDOFF, H.

NESTING AREA. CONTROL DATA BUILDING.

Last Observed Date: 1991

DNR Region: 6

Wildlife Area: 610

Forestry District: 613

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 51' 22" Long: 93 13' 31"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R23W N8S07 HENNEPIN COUNTY, MN

Element: HALIAETUS LEUCOCEPHALUS (BALD EAGLE) #311

State Status: SPECIAL CONCERN Federal Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: LONG MEADOW LAKE CBS Site #: 1

Ownership: Private

Managed Area(s): not managed or no record

Source: MITCHELL, M. USFWS

NESTING AREA. LONG MEADOW LAKE. MANAGEMENT PLAN COMPLETED.

Last Observed Date: 1991

DNR Region: 6

Wildlife Area: 610

Forestry District: 613

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 50' 21" Long: 93 13' 12"

Precision: within 0.25 mile, confirmed

Voucher: HB -001

Verification: verified

T027N R23W N8S07 HENNEPIN COUNTY, MN

Element: HALIAETUS LEUCOCEPHALUS (BALD EAGLE) #2111

State Status: SPECIAL CONCERN Federal Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: MINNESOTA VALLEY NWR

Ownership: U.S. Fish and Wildlife Service (National Wildlife Refuge)

Managed Area(s): MINNESOTA VALLEY NWR

Source: KITTELSON, S. (DNR)

NESTING AREA. LONG MEADOW LAKE.

Last Observed Date: 2000

DNR Region: 6

Wildlife Area: 610

Forestry District: 613

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 50' 27" Long: 93 12' 44"

Precision: within 0.25 mile, confirmed

Voucher: HE -001D

Verification: verified

T027N R23W N8S17 DAKOTA COUNTY, MN

Element: EMYDOIDRA BLANDINGII (BLANDING'S TURTLE) #936

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: RAGAN 17

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: PEDERSEN, T. (2000 BLANDING'S TURTLE REPORT)

2 BLANDING'S TURTLES OBSERVED IN NETLAND NEAR BROWN BEAR TRAIL. TURTLES REGULARLY PERCHED ON LOGS FOR 2 WEEKS. OBSERVER TOOK WILDLIFE ID CLASS RECENTLY; IDENTIFIED THESE AS BLANDING'S DUE TO DOME-SHAPED SHELLS AND YELLOW THROATS. OTHER TURTLES OBSERVED FOR COMPARISON.

Last Observed Date: 18 June 2000

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 21" Long: 93 11' 37"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: sight or sound rec.

AIRPORT SOUTH DISTRICT AUAR - BLOOMINGTON, HENNEPIN COUNTY

T27N R24W SEC 1,12,13 & T27N R23W SEC 5-8,18

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T027N R23N NESH18 DAKOTA COUNTY, MN

Element: CALCAREOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #10

S Rank: S1

EO Size: 5 acres EO Rank: C Current Status: 1 Intended Status: 2

Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Private

Managed Area(s): FORT SWELLING STATE PARK

Source: WOOLSEY, H., MURLEY, T. 1976, DANA, B., SMITH, W.R.

LOCATED IN THE LOWER MINNESOTA RIVER VALLEY. THIS SOMEWHAT DISTURBED FEN REMNANT WAS ONCE PART OF A LARGER FEN WHICH HAS BEEN MOSTLY DESTROYED BY HIGHWAY CONSTRUCTION. FEN STILL MAINTAINS TYPICAL CALCIPHILES AND 2 RARE PLANTS.

Last Observed Date: 1980

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 27" Long: 93 13' 6"

Precision: approx. boundaries have been determined

Voucher: Verification: verified

T027N R23W NMSH18 DAKOTA COUNTY, MN

Element: CALCAREOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #19

S Rank: S1

EO Size: 5 acres approx. EO Rank: C Current Status: Intended Status:

Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: DUNEVITZ, H. (CO BIOL SURVEY 1994)

SMALL FEN ON SLOPING SATURATED PEAT WITH CALC GROUNDWATER DISCHARGE. SEVERAL LOW SEDGS MAT ZONES WITH CAREX STERILIS, TRIGLOCHIN MARITIMA, LOBELIA FALCATA, SURROUNDED BY TALLER VEG WITH CAREX PRAIRIE, CALAMAGROSTIS CANADENSIS, SCIRPUS ACUTUS, CORNUS STOLONIFERA, EUPATORIUM MACULATUM, SOLIDAGO GRAMINIFOLIA COMMON. LYTHRUM SALICARIA, PHALARIS, PHRAGMITES ALL PRESENT. SURR BY DIST: IMPOUNDED POND TO NORTH, WELL & NICOLS RD TO EAST, RR TRACKS TO SOUTH, CEDAR AVE TO WEST

Last Observed Date: 13 October 1994

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 16" Long: 93 13' 20"

Precision: approx. boundaries have been determined

Voucher: Verification: verified

T027N R23W NMSH18 DAKOTA COUNTY, MN

Element: CALCAREOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #30

S Rank: S1

EO Size: 10 acres approx EO Rank: C Current Status: Intended Status:

Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: LEOSCHKE, H. (NICOLS FEN BASELINE ASSESSMENT REPORT 1993)

FEN ON DEEP SATURATED PEAT SLOPING GENTLY TO THE NORTHWEST. COMMON NATIVE SPECIES: CAREX STRICTA, EUPATORIUM MACULATUM, ASTER UMBELLATUS, IMPATIENS CAPENSIS, SOLIDAGO CANADENSIS. EXOTICS COMMON: LYTHRUM SALICARIA, PHALARIS, PHRAGMITES. RARE &/OR CALCIPHILIC SPECIES INCLUDE CAREX STERILIS, CYPRIPEDIUM CANDIDUM. AT BASE OF STEEP NW-FACING BLUFF. ADJACENT TO NICOLS RD TO EAST, CEDAR AVE TO WEST, RR TRACKS TO NORTH.

Last Observed Date: September 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 11" Long: 93 13' 15"

Precision: approx. boundaries have been determined

Voucher: Verification: verified

T027N R23W NWNSE18 DAKOTA COUNTY, MN

Element: CAREX STERILIS (STERILE SEEDS) #7

State Status: THREATENED

EO Size: EO Rank: B Current Status: 1 Intended Status: 2

Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Private

Managed Area(s): FORT SWELLING STATE PARK

Source: SMITH, W.R. (5949)

NICOLS MEADOW. COMMON IN CALCAREOUS FEN. WITH VALERIANA EDULIS, CYPRIPEDIUM CANDIDUM, ERIOPHORUM ANGUSTIFOLIUM. T27N R23W, NWNSE SEC 18. THIS IS A REMNANT OF A LARGER FEN, NOW CONFINED TO NW OF RR TRACKS AND NE OF CEDAR AVE.

Last Observed Date: 18 May 1982

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 34" Long: 93 13' 0"

Precision: within 0.25 mile, confirmed

Voucher: MIN Verification: verified

T027N R23W N8SW18 DAKOTA COUNTY, MN

Element: CAREX STERILIS (STERILE SEDGE) #58

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: NICHOLS MEADOW AREA

CBS Site #: 5

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK

Source: SMITH, W.R. (6158)

IN THE MINNESOTA RIVER VALLEY, ABOUT 1/4 MILE NORTH OF NICHOLS. SLOPING CALCAREOUS PEN NEAR THE BASE OF A NORTHWEST FACING BLUFF. APPARENTLY RARE HERE, WITH CAREX INTERIOR, C. LANUGINOSA, C. STRICTA, DET GERALD HICHLER. (PREV. COLL. SMITH, W.R. (750241), MRSW SEC 10 1982, 1 DUP.) OCCASIONAL HERE WITH CAREX INTERIOR, C. PRAIRIEA, C. TETANICA, C. STRICTA.

Last Observed Date: 06 June 1982

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 29" Long: 93 13' 0"

Precision: within 0.25 mile, confirmed

Voucher: 759370 MIN Verification: verified

T027N R23W S8SESW18 DAKOTA COUNTY, MN

Element: CAREX STERILIS (STERILE SEDGE) #102

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: NICOLS MEADOW AREA

CBS Site #: 5

Ownership: Private

Managed Area(s): not managed or no record

Source: LEOSCHKE, N. (SIGHT RECORD)

IN CALCAREOUS SEEPAGE PEN JUST WEST OF NICOLS ROAD & SOUTH OF RAILROAD GRADE IN MINNESOTA RIVER VALLEY. IN SATURATED PEAT. ESTIMATED TOTAL COVER LESS THAN 15 SQUARE METERS. MOST COMMON IN WETTER & MORE OPEN AREAS WITHIN PEN. ASSOCIATED SPECIES INCLUDE CYPRIPEDIUM CANDIDUM. MAY BE THREATENED BY HYDROLOGIC ALTERATION FROM NEARBY DEVELOPMENT & EXOTIC SPECIES INVASION, ESPECIALLY PHALARIS.

Last Observed Date: June 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 13" Long: 93 13' 15"

Precision: within 0.25 mile, confirmed

Voucher: Verification: sight or sound rec.

T027N R23W N8SESW18 DAKOTA COUNTY, MN

Element: CAREX STERILIS (STERILE SEDGE) #103

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: NICOLS MEADOW AREA

CBS Site #: 5

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: DUNEVITZ, H. & EGJERS, S. (SIGHT RECORD)

SMALL CALCAREOUS SEEPAGE PEN IN MINNESOTA RIVER VALLEY NORTH OF RAILROAD TRACKS, JUST WEST OF NICOLS ROAD. UNKNOWN IN LOW SEDGE MATS WITH TRIGLOCHIN MARITIMA, LOBBLIA KALMII. MOST PERIOGYNIA GONE (LATE IN SEASON), BUT ENOUGH REMAINED TO VERIFY IDENTIFICATION.

Last Observed Date: 13 October 1994

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 26" Long: 93 13' 20"

Precision: within 0.25 mile, confirmed

Voucher: Verification: sight or sound rec.

T027N R23W N8SE18 DAKOTA COUNTY, MN

Element: CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #24

State Status: SPECIAL CONCERN

EO Size: EO Rank: C Current Status: 1 Intended Status: 2

Site: NICOLS MEADOW AREA

CBS Site #: 5

Ownership: Private

Managed Area(s): FORT SNELLING STATE PARK

Source: SMITH, W.R. (5937)

NICOLS MEADOW. CA 20 PLANTS SEEN IN CALCAREOUS PEN. WITH CYPRIPEDIUM CALCEOLUS, CALTHA PALUSTRIS, CARDAMINE BURSOSA, CAREX STERILIS. T27N R23W, N8NSE SBC 18. THIS IS A REMNANT OF A LARGER PEN, NOW CONFINED TO NE OF CEDAR AVE.

Last Observed Date: 18 May 1982

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 29" Long: 93 13' 8"

Precision: within 0.25 mile, confirmed

Voucher: MIN Verification: verified

T027N R23W SWSBSW18 DAKOTA COUNTY, MN

Element: CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #260

State Status: SPECIAL CONCERN

EO Size: EO Rank: Current Status: Intended Status:
Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Private

Managed Area(s): not managed or no record

Source: LEOSCHKE, M. (SIGHT RECORD)

IN CALCAREOUS SEEPAGE FEN IN THE MINNESOTA RIVER VALLEY, JUST SOUTH OF RAILROAD GRADE & WEST OF NICOLS ROAD. IN SATURATED PEAT. 35 CLUMPS WERE FOUND, MOST WITH AT LEAST ONE FLOWERING STEM. ASSOCIATED SPECIES INCLUDE CAREX STERILIS, CAREX STRICTA. MAY BE THREATENED BY HYDROLOGIC ALTERATION FROM NEARBY DEVELOPMENT AND FROM EXOTIC SPECIES, ESPECIALLY PHALARIS.

Last Observed Date: June 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 13" Long: 93 13' 15"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: sight or sound rec.

T027N R23W 18 DAKOTA COUNTY, MN

Element: RHYNCHOSPORA CAPILLARIS (HATR-LIKE BEAK-RUSH) #1

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:
Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: MOORE, J.W. (15123)

MEADOW 1/2 MILE SOUTH OF NICOLS. NOT FOUND IN 1993 SURVEY OF SWSBSW SEC 18 BY M. LEOSCHKE.

*** REPORTED DESTROYED ***

Last Observed Date: August 1942

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 11" Long: 93 13' 13"

Precision: within 0.50 mile

Voucher: 373846 MIN

Verification: verified

T027N R23W 18 DAKOTA COUNTY, MN

Element: SCLERIA VERTICILLATA (WHORLED HUT-RUSH) #1

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:
Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: MOORE, BUTTERS & JENKINS (15122)

MEADOW 1/2 MILE SOUTH OF NICOLS. (PREV COLL; ROSENDAHL, C.O. (273142), 1924). NOT FOUND DURING 1993 SURVEY OF SWSBSW SEC 18 BY M. LEOSCHKE.

*** REPORTED DESTROYED ***

Last Observed Date: September 1941

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 11" Long: 93 13' 13"

Precision: within 0.50 mile

Voucher: 373845 MIN

Verification: verified

T027N R23W 18 DAKOTA COUNTY, MN

Element: SPEYBRIA IDALIA (REGAL FRITILLARY) #43

State Status: SPECIAL CONCERN

EO Size: EO Rank: Current Status: Intended Status:
Site: NICOLS CBS Site #: 5

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: HUBER, R.L. (R.HUBER, DATA LOG)

SPECIMEN COLLECTED AT NICOLS. HABITAT NOT DESCRIBED, BUT NET PRAIRIE, FEN EXISTS IN AREA. (PREV COLL: NORDIN, J.D., 1965. BOLDUC, A., 1967. SITE RECORDED AS NICOLS FOR BOTH COLLECTIONS IN R.HUBER'S DATA LOG.) LOCATIONS OF ALL SPECIMENS UNKNOWN.

Last Observed Date: 10 July 1968

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 14" Long: 93 13' 14"

Precision: within 0.50 mile

Voucher:

Verification: verified

T027N R23W NWS18 DAKOTA COUNTY, MN

Element: VALERIANA EDULIS VAR. CILIATA (VALERIAN) #9

State Status: THREATENED

EO Size: EO Rank: Current Status: 1 Intended Status: 2
Site: NICOLS MEADOW AREA CBS Site #: 5

Ownership: Private

Managed Area(s): FORT SNELLING STATE PARK

Source: SMITH, W.R. (2144)

NICOLS MEADOW. FREQUENT IN CALCAREOUS PENN, WITH SAXIFRAGA PENNSYLVANICA, CAREX STERILIS, CYPRIPEDIUM CANDIDUM, CALTHA PALUSTRIS. T27N R23W, NW1/4 SEC 18. THIS IS A REMNANT OF LARGER PEN, NOW CONFINED TO NE OF CEDAR AVE.

Last Observed Date: 22 May 1980

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 29" Long: 93 13' 8"

Precision: within 0.25 mile, confirmed

Voucher: MIH

Verification: verified

T027N R24W SE13 DAKOTA COUNTY, MN

Element: ACTINONAIAS LIGAMENTINA (BUCKET MUSSEL) #95

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NWR

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (BLACK DOG LAKE OUTLET JUST UPSTREAM OF MN HWY 77 BRIDGE.)

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 32" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R24W SE13 DAKOTA COUNTY, MN

Element: ELLIPTIO CRASSIDENS (ELEPHANT-EAR MUSSEL) #2

State Status: ENDANGERED

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NWR

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (BLACK DOG LAKE OUTLET JUST UPSTREAM OF MN HWY 77 BRIDGE.)

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 32" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R24W SE13 DAKOTA COUNTY, MN

Element: FUSCONAIA EBELIA (SBONYSHELL MUSSEL) #8

State Status: ENDANGERED

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NWR

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (BLACK DOG LAKE OUTLET JUST UPSTREAM OF MN HWY 77 BRIDGE.)

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 32" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

Minnesota Natural Heritage Database
Element Occurrence Records

AIRPORT SOUTH DISTRICT AUAR - BLOOMINGTON, HENNEPIN COUNTY
T27N R24W SEC 1,12,13 & T27N R23W SEC 5-8,18
MnDNR, Natural Heritage and Nongame Research Program

13:19 Monday, NOVEMBER 26, 2001
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T027N R24W SE13 DAKOTA COUNTY, MN

Element: LAMPSILIS TERES (YELLOW SANDSHELL MUSSEL) #11

State Status: ENDANGERED

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NNR

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (BLACK DOG LAKE OUTLET JUST UPSTREAM OF MN HWY 77 BRIDGE.)

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 32" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R24W SE13 DAKOTA COUNTY, MN

Element: LIGUMIA RECTA (BLACK SANDSHELL MUSSEL) #94

State Status: SPECIAL CONCERN

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NNR

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (BLACK DOG LAKE OUTLET JUST UPSTREAM OF MN HWY 77 BRIDGE.)

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 32" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R24W SE13 DAKOTA COUNTY, MN

Element: MUSSEL SAMPLING SITE #141

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NNR

Source: BRIGHT, B. (MUSSEL SURVEY OF MINNESOTA RIVER)

BLACK DOG LAKE OUTLET, UPSTREAM OF HWY 77 BRIDGE: LIVE SPP: 8 QUADRULA QUADRULA, 1 TRUNCILLA DONACIFORMIS, 14 TRUNCILLA TRUNCATA, 1 LEPIDODEA FRAGILIS. DEAD SPP: A. L. C., A. FLI., B. DIL., F. EHE., F. PLA., L. R. L., L. VEN., A. G. O., B. CRAS., L. THK., L. PRAQ., L. REC., N. OIG., O. REN., P. ALA., P. OHIO., Q. MOD., Q. PUS., Q. OVA., T. VER., T. DON.

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 32" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification:

T027N R24W SE13 DAKOTA COUNTY, MN

Element: QUADRULA NODULATA (WARTYBACK MUSSEL) #12

State Status: ENDANGERED

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NNR

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (BLACK DOG LAKE OUTLET JUST UPSTREAM OF MN HWY 77 BRIDGE.)

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 32" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R24W S613 DAKOTA COUNTY, MN

Element: TRITOGONIA VERRUCOSA (PISTOLGRIP MUSSEL) #29

State Status: THREATENED

EO Size: EO Rank: Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MINNESOTA VALLEY NWR

Source: BRIGHT, R. (1989 MUSSEL SURVEY OF MINNESOTA RIVER)

DEAD SPECIMENS ONLY FOUND AT SITE (BLACK DOG LAKE OUTLET JUST UPSTREAM OF MN HWY 77 BRIDGE.)

Last Observed Date: 31 August 1989

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 31" Long: 93 14' 3"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R24W N615E14 HENNEPIN COUNTY, MN

Element: BLACK ASH SWAMP SBBPAGE SUBTYPE #13

S Rank: S3

EO Size: EO Rank: BC Current Status: Intended Status:

Site: LONG MEADOW LAKE CBS Site #: 1

Ownership: U.S. Fish and Wildlife Service (National Wildlife Refuge)

Managed Area(s): MINNESOTA VALLEY NWR

Source: HARRIS, P. (CO BIOL SURVEY 1995)

SBBP DOM'D BY SMALLISH DIAMETER PRAXINUS NIGRA W/ SALIX NIGRA & PRAXINUS PINNI. MODERATE TO LOW SHRUB COVER BY RIBES AMER, SAMBUCUS, RHAMNUS FRANG, & RHAMNUS CATH. CONTINUOUS, NATIVE HERB COVER W/MUCH IMPATIENS, SYMPLOCARPUS, HQUISITUM PRATICIS & CALTIA W/ MANY TYPICAL SPP. ON VERY SOFT MUCK W/MUCH GROUNDWATER SBBPAGE AT FOOT OF STEEP SLOPE ON N SIDE OF MN RIVER VALLEY.

Last Observed Date: 20 June 1995

DNR Region: 6

Wildlife Area: 610

Forestry District: 613

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 31" Long: 93 14' 57"

Precision: approx. boundaries have been determined

Voucher:

Verification: verified

T027N R24W S615E14 HENNEPIN COUNTY, MN

Element: TRILLIUM NIVALE (SNOW TRILLIUM) #29

State Status: SPECIAL CONCERN

EO Size: EO Rank: Current Status: Intended Status:

Site: LONG MEADOW LAKE CBS Site #: 1

Ownership: City Park

Managed Area(s): MOUND SPRINGS PARK

Source: HOLM, G. (SIGHT RECORD)

LARGE POPULATION OF 100-200 PLANTS OBSERVED ON N-FACING SLOPE BY BLOOMINGTON PARKS MAINTENANCE WORKER.

Last Observed Date: May 1992

DNR Region: 6

Wildlife Area: 610

Forestry District: 613

Quad Map: BLOOMINGTON (S16D)

Latitude: 44 49' 16" Long: 93 15' 21"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: sight or sound rec.

T027N R24W S614W23 HENNEPIN COUNTY, MN

Element: BLACK ASH SWAMP SBBPAGE SUBTYPE #11

S Rank: S3

EO Size: EO Rank: C Current Status: Intended Status:

Site: LONG MEADOW LAKE CBS Site #: 1

Ownership: City Park

Managed Area(s): MOUND SPRINGS PARK MINNESOTA VALLEY NWR

Source: HARRIS, P. (CO BIOL SURVEY 1995)

SERIES OF 5-6 SMALL SBBPAGE AREAS ALONG BASE OF STEEP SLOPES ON N SIDE OF MINN RIVER VALLEY. VARIABLE CANOPY DOM'D BY PRAXINUS NIGRA (10 - 40 CM DBH), PRAX PINNI & SALIX NIGRA. SHRUBS INCL RIBES AMER, RHAMNUS FRANG, RHAMNUS CATH, SAMBUCUS. HERBS DOM'D BY SYMPLOCARPUS, IMPATIENS, EQUISETUM PRAT, & GLYCERIA STR W/GOOD DIVERSITY HERBS ASS'D W/ SBBPAGE. PHALARIS IN SMALL AREAS OF SILT DEPOSITION. ON VERY SOFT MUCK W/ MUCH GROUNDWATER SBBPAGE.

Last Observed Date: 23 June 1995

DNR Region: 6

Wildlife Area: 610

Forestry District: 613

Quad Map: BLOOMINGTON (S16D)

Latitude: 44 49' 20" Long: 93 15' 8"

Precision: approx. boundaries have been determined

Voucher:

Verification: verified

Minnesota Natural Heritage Database
Element Occurrence Records

AIRPORT SOUTH DISTRICT AVAR - BLOOMINGTON, HENNEPIN COUNTY
T27N R24W SEC 1,12,13 & T27N R23W SEC 5-8,10
MnDNR, Natural Heritage and Nongame Research Program

11:19 Monday, NOVEMBER 26, 2001 10
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T027H R24W HNSB23 DAKOTA COUNTY, MN

Element: FALCO PERHORIUS (PERBORIINE FALCON) #56

State Status: THREATENED

EO Size: BO Rank: Current Status: Intended Status:

Site: BLACK DOG LAKE NORTH

Ownership: Private

Managed Area(s): not managed or no record

Source: REDIG, P.

NESTING AREA. NSP BLACK DOG PLANT.

Last Observed Date: 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 48' 36" Long: 93 14' 58"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

T027N R24W HNSB23 DAKOTA COUNTY, MN

Element: POLYODON SPATHULA (PADDLEFISH) #4

State Status: THREATENED

EO Size: BO Rank: Current Status: Intended Status:

Site: BLACK DOG LAKE

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: NSP

1 DEAD PADDLEFISH (47 INCHES IN LENGTH) FOUND IN THE BAR RACK WHERE COOLING WATERS ENTER THE BLACK DOG POWER PLANT ON THE MINNESOTA RIVER.

Last Observed Date: 14 January 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: BLOOMINGTON (S16C)

Latitude: 44 48' 43" Long: 93 15' 2"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: sight or sound rec.

T027N R24W SENE24 DAKOTA COUNTY, MN

Element: CALCAREOUS SHEPGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #25

S Rank: S1

EO Size: 1 acres approx. BO Rank: C Current Status: 1 Intended Status: 6

Site: BLACK DOG LAKE NORTH (449 acres)

Ownership: Private

Managed Area(s): not managed or no record

Source: LEE, M.D. (CO BIOL SURVEY 1993)

SMALL .5A AREA SURROUNDED BY CONTINUOUS COVER OF PHRAGMITES & SALIX. ON UPPER FLOODPLAIN OF THE MINNESOTA R, 100M E OF THE RR TRACKS OVER HALPMAY TO BASE OF UPPER TERRACE, ALONG TRAIL MAINTAINED BY USFWS FOR BIRD BANDING. FEN SPP: CAREX STERILIS, OXYPOLIS RIGIDOR, VALERIANA EDULIS, ERIOPHORUM ANGUSTIFOLIUM. THOROUGH SEARCH FOR ADDITIONAL SPECIES RECOMMENDED. IMMEDIATE THREAT, DEVELOPMENT ATOP TERRACE HAS STORM SEWER EASEMENT THROUGH FEN.

*** SITE THREATENED ***

Last Observed Date: 21 July 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 48' 50" Long: 93 13' 50"

Precision: approx. boundaries have been determined

Voucher:

Verification: verified

T027N R24W SENE24 DAKOTA COUNTY, MN

Element: CAREX STERILIS (STERILE SEDGE) #70

State Status: THREATENED

EO Size: BO Rank: BC Current Status: Intended Status:

Site: BLACK DOG LAKE NORTH (449 acres)

Ownership: Private

Managed Area(s): not managed or no record

Source: LEE, M.D. (MDL165)

LOCALLY COMMON IN SMALL CALCAREOUS SHEPGE FEN. GROWING ALONG EDGE OF NARROW SHEPGE FLOW. ASSOCIATES: VALERIANA EDULIS, ERIOPHORUM ANGUSTIFOLIUM, OXYPOLIS, EUBOCHARIS, PHRAGMITES, TYPHA. HALF ACRE "OPENING" SURROUNDED BY NEARLY CONTINUOUS COVER OF PHRAGMITES WITH OCCASIONAL SALIX. 100M E OF RR TRACKS IN AREA KNOWN AS BLACK ESTATE. BIRD BANDING TRAIL RUNS ALONG EDGE OF FEN. THREAT FROM NEW DEVELOPMENT ATOP HILL THAT HAS STORM SEWER ROW THROUGH THIS AREA.

*** SITE THREATENED ***

Last Observed Date: 03 June 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 48' 50" Long: 93 13' 51"

Precision: within 0.25 mile, confirmed

Voucher: MIN

Verification: verified

T027N R24W SENE24 DAKOTA COUNTY, MN

Element: VALERIANA BOULIS VAR. CILIATA (VALBRIAN) #50
State Status: THREATENED
EO Size: EO Rank: C Current Status: Intended Status:
Site: BLACK DOG LAKE NORTH (449 acres) CBS Site #: 6
Ownership: Private
Managed Area(s): not managed or no record
Source: LEE, M.D. (PHOTO RECORD)

*** SITE THREATENED ***

Last Observed Date: 03 June 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 48' 51" Long: 93 13' 46"

Precision: within 0.25 mile, confirmed

Voucher:

Verification: photo rec.

6 PLANTS (2 FLOWERING) IN CALCAREOUS SEEPAGE PEN ABOVE FLOODPLAIN OF MINN RIVER. GROWING WITH CAREX STERILIS, TYPHA LAT, PHRAGMITES, ERIOPHORUM, IN SMALL 1/2 AC
ACRE "OPENING" AMONG NEARLY CONTINUOUS COVER OF PHRAGMITES - 100M E OF RR TRACKS IN AREA CALLED BLICK ESTATE. WEEDS FIRE TO SET BACK BRUSH. USFWS BIRDS AREA
OCCASIONALLY. USFWS BIRD BANDING TRAIL ADJ TO PEN. IMMEDIATE THREAT FROM DEVELOPMENT ON TERRACE ABOVE WITH STORM SEWER ROW THROUGH AREA. SLIDE # MDL164.

T027N R24W 24 DAKOTA COUNTY, MN

Element: WET MEADOW #85
S Rank: S3
EO Size: EO Rank: CD Current Status: Intended Status:
Site: BLACK DOG LAKE NORTH CBS Site #: 6
Ownership: U.S. Fish and Wildlife Service (National Wildlife Refuge)
Managed Area(s): MINNESOTA VALLEY NWR
Source: DUNEVITZ, H. (CO BIOL SURVEY 1994)

Last Observed Date: 13 October 1994

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 48' 47" Long: 93 14' 5"

Precision: approx. boundaries have been determined

Voucher:

Verification: verified

WET MEADOW, PORTIONS WITH SEEPAGE. SOME AREAS DOMINATED BY LARGE PATCHES PHRAGMITES &/OR PHALARIS. SOME BY DENSE PATCHES OF SHRUBS. INCLUSIONS OF
EMERGENT MARSH IN DITCHES & ADJACENT TO LAKE. BEST QUALITY WET MEADOW DOMINATED BY CAREX LACUSTRIS, C. STRICTA, WITH MODERATE FORB DIVERSITY INCLUDING OXYPOLIS
RIGIDIOR. MOIST TO SATURATED PEAT ON GENTLE NORTHWEST SLOPE SOUTH OF BLACK DOG LAKE IN MINNESOTA RIVER VALLEY. RR GRADE & POWERLINES DISSECT SITE.

T028N R23W 32 HENNEPIN COUNTY, MN

Element: BESSEYA BULLII (KITTEH-TAILS) #18
State Status: THREATENED
EO Size: EO Rank: Current Status: Intended Status:
Site: FORT SNELLING MILITARY RESERVATION
Ownership: U.S. Government (Other Federal Lands)
Managed Area(s): FORT SNELLING MILITARY RESERVATION
Source: ERICKSON, L.
DRY HILLSIDE, OPEN PRAIRIE. FT. SNELLING. (NO DATE ON SPECIMEN, BUT APPARENTLY PRE-1900.)

Last Observed Date:

DNR Region: 6

Wildlife Area: 610

Forestry District: 613

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 52' 12" Long: 93 12' 19"

Precision: within one mile

Voucher: 288163 MIN

Verification: verified

T028N R23W SENE32 DAKOTA COUNTY, MN

Element: HALIABETUS LEUCOCEPHALUS (BALD EAGLE) #2113
State Status: SPECIAL CONCERN Federal Status: THREATENED
EO Size: EO Rank: Current Status: Intended Status:
Site: FORT SNELLING STATE PARK
Ownership: MN DNR Parks and Recreation
Managed Area(s): FORT SNELLING STATE PARK MINNESOTA VALLEY NWR
Source: KITTHLSON, S. (DNR)
NRSTING AREA. FORT SNELLING.

Last Observed Date: 2000

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 52' 14" Long: 93 11' 17"

Precision: within 0.25 mile, confirmed

Voucher: DX -009A

Verification: verified

T028N R23W 0WSR33 DAKOTA COUNTY, MN

Element: CALCAREOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #28

S Rank: S1

EO Size: 30 acres approx EO Rank: C Current Status: Intended Status:

Site: GUN CLUB LAKE NORTH CBS Site #: 2

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK MISSISSIPPI NATL RIVER & RECREATION AREA

Source: DUNEVITZ, H. (CO BIOL SURVEY 1994)

DOMINANT GRAMINOIDS INCL CAREX STRICTA, C. LACUSTRIS, CALAMAGROSTIS CANADENSIS. RARE AND/OR CALCIPHILIC SPECIES: CYPRIPEDIUM CANDIDUM, C. PARVIFLORUM, CAREX INTERIOR, CAREX PRAIRIEA. SOME LARGE PATCHES PHRAGMITES. SATURATED DEEP PEAT ON GENTLE WEST-FACENT SLOPE WITH AREAS OF CALCAREOUS GROUNDWATER DISCHARGE. AT BASE OF STEEP FORESTED WEST-FACING BLUFF (W OF RR TRACKS). GRADES TO DIST FORMER FEN DOM BY PKALARIS & TO EMERGENT MARSH. JUST N OF I-494 BRIDGE, E OF GUN CLUB LAKE.

Last Observed Date: 20 July 1994

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 51' 53" Long: 93 10' 37"

Precision: approx. boundaries have been determined

Voucher: RELEVÉ 1994 Verification: verified

T028N R23W 0WSR33 DAKOTA COUNTY, MN

Element: CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #217

State Status: SPECIAL CONCERN

EO Size: EO Rank: C Current Status: Intended Status:

Site: GUN CLUB LAKE NORTH (443 acres) CBS Site #: 2

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK MISSISSIPPI NATL RIVER & RECREATION AREA

Source: LEB, M.D. (MDL152)

27 FLOWERING STEMS IN 2 ACRE WET MEADOW IN FLOODPLAIN OF MN RIVER. GROWING MOSTLY ON HUMMOCKS PRODUCED BY CAREX STRICTA. ASSOCIATES: THALICTRUM OASYCARPUM, RUBUS PUBESCENS, SOLIDAGO GIGANTEA, SMILACINA STELLATA, CYPRIPEDIUM CALCEOLUS. WATER ANGLE DEEP BETWEEN HUMMOCKS. FORT SNELLING STATE PARK 1/4 MILE NORTH OF I494.

Last Observed Date: 02 June 1993

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 52' 3" Long: 93 10' 31"

Precision: within 0.25 mile, confirmed

Voucher: MIN Verification: verified

T028N R23W SR320R2833 DAKOTA COUNTY, MN

Element: MIXED EMERGENT MARSH (PRAIRIE) #23

S Rank: S2

EO Size: 140 acres approx EO Rank: B Current Status: Intended Status:

Site: GUN CLUB LAKE NORTH CBS Site #: 2

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SNELLING STATE PARK MISSISSIPPI NATL RIVER & RECREATION AREA

Source: DUNEVITZ, H. (CO BIOL SURVEY 1994)

PATCHES VARIOUSLY DOM BY ZIZANIA PALUSTRIS (DEEPEST WATER), SCIRPUS FLUVIATILIS, TYPHA ANGUSTIFOLIA, LEBERSIA CRYZOIDES, &/OR PHRAGMITES AUSTRALIS. PATCHY SHRUB COVER INCL SALIX BIXIGUA, AMORPHA FRUTICOSA. OTHER COMMON HERB SPECIES INCLUDE BIDENS CERNUA, BIDENS FRONDOSA, SAGITTARIA LAT, SPARGANIUM EURYCARPUM, POLYGONUM COCCINEUM. ON SATURATED PEAT, MOST AREAS WITH STANDING WATER, SURROUNDING NORTH PORTION GUN CLUB LAKE. GRADES TO FEN EAST EDGE, MINNESOTA RIVER VALLEY.

Last Observed Date: 25 August 1994

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 52' 0" Long: 93 10' 48"

Precision: approx. boundaries have been determined

Voucher: RELEVÉ 1994 Verification: verified

