# **APPENDIX B**

## **CORRESPONDENCE**

Minnesota Department of Natural Resources - Natural Heritage

• 2001 Database Search

Minnesota Natural Heritage Database Blement Occurrence Records

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RNG PRIMARY

# AIRPORT SOUTH DISTRICT ADAR - BLOOMINGTON, HENNEPIN COUNTY T27H R24M SEC 1,12,13 & T27H R23W SEC 5-8,18 MnDNR, Natural Heritage and Mongame Research Program

STATUS STATUS SECTION T027N R23N 04 Sl CALCAREOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE EUBTYPE #11 CAREX STERILIS (STERILE SEDGE) #3 T027H R23H 04 THR CYPRIPEDIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) #22 T027N R23H 04 SPC VALERIANA EDULIS VAR. CILIATA (VALERIAN) #13 THR T027N R23H 04 T027N R23W 05 EQID. ARCIDENS CONFRAGOSUS (ROCK POCKETBOOK MUSSEL) #11 EXD LAMPSILIS TERES (YELLOW SANDSHELL MUESEL) #12 T027N R23H 05 S2 T027H R23H 05 MIKED EMERGENT MARSH (PRAIRIE) #24 MUSSEL SAMPLING SITE #142 T027K R23W 05 THR PALCO PEREGRIAUS (PEREGRINE FALCON) #46 T027N R23W 06 SPC HALTARETUS LEUCOCEPHALUS (BALD EAGLE) #311 LT T07711 R23H 07 HALTAEBTUS LEUCOCEPHALUS (BALD EAGLE) #2111 LT SPC T027N R23W 07 THR EMYDOIDEA BLANDINGII (BLANDING'S TURTLE) #936 T027N: R23H 17 CALCARBOUS SEEPAGE PEN (SOUTHEAST) PRAIRIE SUBTYPE #10 81 T027N R23W 18 CALCARBOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #29 T027N R23W 18 Sı CALCARBOUS SEEPAGE PER (SOUTHEAST) PRAIRIE SUBTYPE #30 T027N R23M 18 THR CAREX STERILIS (STERILE SEDGE) #7 T027N R23H 18 THR CAREX STERILIS (STERILE SEDGE) #58 T02711 R23W-16 THR CAREX STERILIS (STERILE SEDGE) #102 7027R R2JW 18 CAREX STERILIS (STERILE SEOGE) #103 T027N R23W 18 THE SPC CYPRIPEDIUM CAMDIDUM (SMALL WHITE LADY'S-SLIPPER) \$24 T027N R23W 18 SPC CYPRIPEDIUM CAMDIDUM (SMALL WHITE LADY'S-SLIPPER) #260 T027N H23H 18 THR RHYNCHOSPORA CAPILLACGA (HAIR-LIKE BRAK-RUSH) 81 T027N R23M 18 SCLERIA VERTICILLATA (WHORLED NUT-RUSH) #1 TICK T027N R23H 18 SPHYBRIA IDALIA (REGAL FRITTILARY) #43 SPC T077N R23W 18 VALERIANA EDULIS VAR. CILIATA (VALERIAN) NO THR TO27H RZJW 18 THR ACTINONAIRS LIGAMENTINA (MUCKET MUSSIL) #95 T027H R24W 13 T027N R24W 13 HND BLLIPTIO CRASSIDENS (ELEPICALIT-EAR MUSSEL) #2 END FUSCONAIA EBENA (EBONYSHELL MOSSEL) #8 T027N R24N 13 END LAMPSILIS TERES (YELLOW SANDSHELL MUSSEL) #11 T027N R24H 13 SPC LIGUMIA RECTA (BLACK SANDSHELL MUSSEL) #94 T0278 R24W 13 T027H R24W 13 MUSSEL SAMPLING SITE #141 T01711 R24H 13 EITD QUADRULA HODULATA (WARTYBACK MUSSBL) #12 TRITOGONIA VIRRUCOSA (PISTOLGRIP NUGRGE) #29 TICR T027N R24W 13 S3 BLACK ASH SNAMP SEEPAGE SUBTYPE #13 T027N R24W 14 SPC TRILLIUM NIVALE (SNOW TRILLIUM) #29 T027N R24H 14 T027H R24M 23 **S3** BLACK ASH SWAMP SEEPAGE SUBTYPE #11 THR PALCO PEREGRINUS (PEREGRINE PALCON) #56 T027N R24W 23 THR POLYODON SPATHULA (PADDLEFISH) #4 T027H R24H 23 T027N R24W 24 Sl CALCAREOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #25 CAREX STERILTS (STERILE SHOGE) #70 T027N R24H 24 THR 11HR VALERIANA EDULIS VAR. CILIATA (VALERIAM) #50 T027N R24N 24 83 WET MEADON #85 T027N R24W 24 THE BESSEYA BULLII (KITTEN-TAILS) #18 T028H R23W 32 SPC HALTAGETUS LEUCOCEPHALUS (BALD BAGLE) #2113 T028N R23W 32 LT Sì CALCARROUS SEEPAGE PEN (SOUTHEAST) PRAIRIE SUBTYPE #28 T028N R2JW 33 SPC CYPRIPBOIUM CANDIDUM (SMALL WHITE LADY'S-SLIPPER) N217 T028N R23W 33 S2 TOZEN R23W 33 MIXED EMERGENT MARSH (PRAIRIE) #23

S RANK BLEMENT and OCCURRENCE NUMBER

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#### MAIRAGED AREA

PORT SNELLING STATE PARK
FORT SNELLING STATE PARK

MINNESOTA VALLEY NWR

FORT SMELLING STATE PARK

FORT SHELLING STATE PARK FORT SHELLING STATE PARK

FORT SHELLING STATE PARK

FORT SHELLING STATE PARK
MINHESOTA VALLEY HAR
MOUND SPRINGS PARK
MOUND SPRINGS PARK

MINNESOTA VALLEY NWR
FORT SNELLING MILITARY RESERVATION
FORT SHELLING STATE PARK
FORT SHELLING STATE PARK
FORT SHELLING STATE PARK
FORT SHELLING STATE PARK

RECURDS PRINTED -

### 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-abreviated) 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.

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.

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 lantude/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"

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 concious. 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].

-0-

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-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., 0N03 refers to the north 1/2 of section 3). When a 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.

SRANK: [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 I (in greatest need of conservation action in the state) to 5 (secure under present conditions). A "?" 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.

<u>Verification</u>: 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 Minneson 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 orthids 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 scale with the Environmental Review Specialist for the Heritage and Nongame Research Program at 651/296-7863.

AIRPORT SOUTH DISTRICT AWAR - BLOOMINGTON, HENNEPIN COUNTY T27N R24W SBC 1,12,13 & T27N R23W SBC 5-8,18

MONDAR, Watural Heritage and Mongame Research Program

TO2711 R23H DHO4 DAKOTA COUNTY, MN

Minnesota Natural Heritage Database

Element: CALCAREOUS SEEPAGE PEN (SOUTHEAST) PRAIRIE SUBTYPE WILL

S Rank: Sl

80 Size: 70 acres approx 80 Rank: C Current Status: 3 Intended Status: 6

Site: GUN CLUB LAKE SOUTH

Blement Occurrence Records

CBS Site #: 3

Last Observed Date: 27 May 1994

DMR Region: 6 Wildlife Area: 610 Forestry District: 612

DNR Region: 6

DWR Region: 6

DNR Region: 6

Wildlife Area: 510

Porestry District: 612

WLldlife Area: 610

Forestry District: 612

Wildlife Area: 610

Porestry District: 612

13:19 Monday, NOVEMBER 26, 2001

Quad Map: ST. PAUL SW (S17C)

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

Precision: approx. boundaries have been determined

Ownership: MN DNR Parks and Recreation Monaged Area(s): FORT SNELLING STATE PARK

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

Voucher: RELEVES Verification: verified LARGE EXPANSE OF FEN ON DEEP SATURATED PEAT WITH SEVERAL AREAS OF CALCAREOUS GROUNDWATER DISCHARGE. SCATTERED AREAS OF LOWER-STATURED SEDGE-DOM VEG MITH CAREX STERILIS, C. PRAIREA, LOBELIA KALMII, TRIGLOCHIN MARITIMA, CYPRIPEDIUM CANDIDUM; SURROUNDED BY AREAS WITH 504 SHRUB COVER (CORNUS STOLONIPERA, SALIK SPP.), DIVERSE HERB LAYER, BUT HEAVY THATCH & SOME LG PHALARIS, PHRACHITES PATCHES. MINNESOTA RIVER VALLEY, JUST SOUTH OF 1-494 BRIDGE.

TO2711 R23H SWNWO4 DAKOTA COURTY, MN

Bloment: CAREX STERILIS (STERILE SEDGE) #1

State Status: THREATENED Site: GUN CLUB LAKE SOUTH

DO Size: EO Rank: B

Ownership: MN DNR Parks and Recreation

Current Status: 3 Intended Status: 6

CBS Site #: 3

Last Observed Date: 18 May 1982 Quad Map: ST. PAUL SX (S17C)

Last Observed Date: 18 May 1982

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

Precision: within 0.25 mile, confirmed

Precision: within 0.25 mile, confirmed

Quad Map: ST. PAUL SW (S17C)

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

Precision: within 0.25 mile, confirmed

Managed Area(s): FORT SMELLING STATE PARK Source: SMITH, W.R. (5953)

Voucher: MIN Verification: verified COMMON IN SLOPING CALCARBOUS FEN. BETWEEN GUN CLUB LAKE & HWY 13 IN THE MINNESOTA VALLEY. WITH CYPRIPEDIUM CANDIDUM, TRIGLOCHIN MARITIMA, VALERIANA EDULIS, ERIOPHORUM ANGUSTIPOLIUM. (PREV COLL; WHEBLER, B. (690874 MIN) 1978).

Intended Status: 6

CBS Site #: 3

TO27H R23W SMIWO4 DAKOTA COUNTY, MN

Element: CYPRIPEDIUM CAMBIOUM (SMALL WHITE LADY'S-SLIPPER) #22

State Status: SPECIAL CONCERN

BO Size: BO Rank: B

Site: GUN CLUB LAKE SOUTH

Current Status: 1

Ownership: MN DNR Parks and Recreation

Managed Area(s): FORT SMELLING STATE PARK

Source: SMITH.W.R. (5952)

Voucher: MIN Verification: verified

MORE THAN 100 PLANTS IN CALCAREOUS FEN. WITH CYPRIPEDIUM CALCEOLAIS, CAREX STERILIS, VALERIANA EDULIS, T27N R23W, SENW SEC 4. (PREV COLL BELIEVED TO 18 ROSENDAHL, C.O. (2458), PORT SWELLING RESERVATION WITH ZIZIA, VALERIAN, 1910.)

TO27N R23H SWNW04 DAKOTA COUNTY, MN

Bloment: VALBRIANA BOULIS VAR. CILIATA (VALERIAN) #13

State Status: THREATENBO

BO Size: BO Rank:

Current Status: 3

Intended Status: 6

Last Observed Date: 18 Hay 1982

Quad Map: ST. PAUL SM (S17C) Latitude: 44 51' 20' Long: 93 11' 2"

Site: GUN CLUB LAKE SOUTH CBS Site #: 3

Ownership: KN DNR Parks and Recreation

Managed Area(s): PORT SNELLING STATE PARK

Source: SMITH, W.R. (5959)

Voucher: MIN

Verification: verified

PREQUENT IN SLOPING CALCAREOUS PEN. BETHEEN GUN CLUB LAKE AND HHY 13 IN THE MINNESOTA VALLEY. WITH CYPRIPEDIUM CANDIDUM, TRIGLOCHIN MARITIMA, CAREX STERILIE ERIOPHORUM AUGUSTIPOLIUM. (PREV COLL: 6-15-1909 C.O.ROSEMDAKL #2103 196275 MIN)

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AIRPORT SOUTH DISTRICT AUAR - BLOCKINGTON, HENNEPIN COUNTY 727N R24W SEC 1,12,13 & T27N R23W SRC 5-8,18

MANNE, Natural Heritage and Nongama Research Program

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TO27N R23H NHO8SNSHOS DAKOTA COUNTY, NN

Minnesota Natural Heritage Database

Blement: ARCIDENS CONFRAGOSUS (ROCK POCKETBOOK MUSSEL) #11

State Status: ENDANGERED

Blement Occurrence Records

BO Rank:

Current Status:

Intended Status:

Wildlife Area: 610 Porestry District: 612

DNR Region: 6

Site: MILB MARKER 4.5 SITE 58

Ownership: Owner unknown

Quad Map: ST. PAUL SW (S17C) Latitude: 44 50' 55" Long: 93 12' 20"

Precision: within 0.25 mile, confirmed

Last Observed Date: 29 August 1989

Voucher:

Verification: verified

Managed Area(s): FORT SNELLING STATE PARK

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

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

TO27N R23H MHO85HSW05 DAXOTA COUNTY, MN

Element: LAMPSILIS TERES (YELLOW SAMDSHELL MUSSEL) #12

State Status: HNDANGERED

BO Size:

BO Rank:

Current Status:

Last Observed Date: 29 August 1989

Precision: within 0.25 mile, confirmed

DNR Region: 6

Intended Status:

Quad Map: ST. PAUL SK (S17C) Latitude: 44 50' 55" Long: 93 12' 20" Wildlife Area: 610 Forestry District: 612

Site: MILE NARKER 4.5 SITE 58

Ownership: Owner unknown

Managed Area(s): FORT SHELLING STATE PARK

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

Verification: verified

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

TO27N R23W GWOWG405 DAKOTA COUNTY, MY

Element: MIXED EMERGENT MARSH (PRAIRIE) #24

S Rank: S2

BO Size: 60 acres approx BO Rank:

Current Status:

Intended Status:

Last Observed Date: 29 August 1994

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

Precision: approx. boundaries have been determined

DNR Region: 6

Wildlife Area: 610

SITE: CUN CLUB LAKE SOUTH

CBS Site #: 3

Quad Map: ST. PAUL SN (S17C)

Porestry District: 612

Ownership: MNI DNR Parks and Recreation

Namaged Area (a) : PORT SNELLING STATE PARK MISSISSIPPI NATL RIVER & RECREATION AREA

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

Voucher: RELEVE 1994 Verification: verified patches variously dom by zizania palustris (deeper water), scirpus pluviatilis, sparganium eurycarpum, and/or phragnites australis. Patchy shrub cover (<25%)

(AMORPHA PRUTICOSA, SALIX EXIGUA). OVERALL HIGH NATIVE SPECIES DIVERSITY. PORTIONS PROBABLY FORMER FEN, NOW PLOODED BY EXPANDED LAKE. ON SATURATED PEAT ON THE BAST SIDE OF GUN CLUB LAKE. ADJACENT TO CALCARBOUS SEBPACE FEN ON BAST EDGE, DISTURBED MARSH & PEN WITH EXTENSIVE PHALARIS ON SOUTH. MINNESOTA RIVER VALLEY.

TO27N R23N INGBSW9W05 DAKOTA COUNTY, MA

Blement: MUSSEL SAMPLING SITE #142

Current Status:

DNR Region: 6 Wildlife Area: 610 Forestry District: 612

EO Size: Site: MILE MARKER 4.5 SITE 58

Ownership: Owner unknown

Intended Status:

Quad Map: ST. PAUL SW (S17C) Latitude: 44 50' 55" Long: 93 12' 20"

Last Observed Date: 29 August 1989

Precision: within 0.25 mile, confirmed

Managed Area(s): FORT SWELLING STATE PARK

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

HO Rank:

Voucher:

Verification: verified

10-120M UPSTREAM FROM MARKER 4.5. TIMED SEARCH; LIVE SPP: 3 ANODONYA GRANDIS GRANDIS, 1 QUADRULA QUADRULA. DEJD SPP: AMBLENA PLICATA, ARCIDENS COMPAGOSUS. fusconata flava, Lampsilis radiata lutegla, L. Teres teres, L. Ventricosa, Leptodea fragilis, geliquaria replexa, potamilus alatus, p. Ghigensis, guadzula PUSTULOSA, TRUNCILLA TRUNCATA. GRID SEARCH; DEAD SPP: PUSCONAIA PLAVA, LEPTODEA PRAGILIS.

T27N R24H SBC L,12,13 & T27N R23W SEC 5-8,18

Bloment Occurrence Records

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TO27H R23W SWIMO6 HEMMEPIN COUNTY, MN

Minnesota Natural Heritage Database

Blement: FALCO PERBORINUS (PERBORINE FALCON) #46

State Status: THREATENED

BO Size: BO Rank:

Current Status:

Intended Status:

CBS Site #: 1

Sice: LONG MEADOW LAKE 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 Porestry 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

TOZYN RZEM NESWOY HENNEPIN COUNTY, MI

Element: HALIABETUS LBUCOCEPHALUS (BALD RAGLE) #311

State Status: SPECIAL CONCERN

Pederal Status: THREATENED

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

Site: LONG HEADOW LAKE

CBS Site #: L

Ownership: Private

Managed Area(s): not managed or no record

Sourca: MITCHELL, M. USFKS

NESTING AREA. LONG MEADOW LAKE, MANAGEMENT PLAN COMPLETED.

Last Observed Date: 1991

DMR Region: 6

Wildlife Area: 610 Forestry District: 613

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 50' 21" Long: 90 13' 12"

Precision: within 0.25 mile, confirmed

Voucher: HB -001

Verification: verified

Verification: verified

TO27N R23N NESBO7 HENDREPIN COUNTY, MI

Element: HALIABETUS LEUCOCEPHALUS (BALO EAGLE) #2111

State Status: SPECIAL CONCERN

Federal Status: TIREATENED

EO Sina: HO Rank: Current Status:

Intended Statue:

Site: MINNESOTA VALLEY NWR

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

Managed Area(s): MINNESOTA VALLEY NWR

Source: KITTELSON, S. (DITR)

MESTING AREA, LONG MEADOW LAKE.

Last Observed Date: 2000

Voucher: HE -001D

DNR Region: 6

Wildlife Area: 610 Porestry District: 613

Quad Map: ST. PAUL SH (S17C)

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

Precision: within 0.25 mile, confirmed

TO27N R23W NWSE17 DAKOTA COUNTY, MIL

Blement: EMYDOIDEA BLANDING! [BLANDING'S TURTLE] #936

State Status: THREATEMED

Ownership: Owner unknown

Site: RAGAN 17

EO Size: EO Rank: Current Status:

Intended Status:

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

Managed Area(s); not managed or no record

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

Verification: sight or sound rec. Voucher:

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

AIRPORT SOUTH DISTRICT AUAR - BLOOMINGTON, HENNEPIN COUNTY

Minnesota Natural Heritage Database Element Occurrence Records

T27N R24W SBC 1,12,13 & T27N R23W SBC 5-8,18 ADMINR, Natural Heritage and Nongame Research Program

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TO27N R23N NESW18 DAKOTA COUNTY. MN

Element: CALCAREOUS SEBPAGE PEN (SOUTHEAST) PRAIRIE SUBTYPE #10

S Rank: S1

BO Size: 5 acres

Site: NICOLS MEADOW AREA

Ownership: Private

BO Rank: C Current Status: 1

Intended Status: 2 CBS Site #: 5

Quad Map: ST. PAUL SW (S17C)

Last Observed Date: 1980

Wildlife Area: 610 Forestry District: 612

DNR Region: 6

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

Precision: approx. boundaries have been determined

Namaged Area(s): FORT SNELLING STATE PARK

Source: NOOLSBY, H., MORLBY, T. 1976, DANA, B., SMITH, W.R.

Voucher:

Verification: verified

LOCATED IN THE LOXER MINUTESOTA RIVER VALLEY. THIS SOMEWHAT DISTURBED FOR REMIANT WAS ONCE PART OF A LARGER FEW WHICH HAS BREW MOSTLY DESTROYED BY HIGHWAY

CONSTRUCTION. FEN STILL MAINTAINS TYPICAL CALCIPHILES AND 2 RARE PLANTS.

TOZZN RZJW INSESKIB DAKOTA COUNTY, MN

Blement: CALCAREOUS SEEPAGE FEN (SOUTHEAST) PRAIRIE SUBTYPE #39

S Rank: Sl

BO Sixe: 5 acres approx. EO Rank: C Current Status:

Intended Status:

Last Observed Date: 13 October 1994

DNR Region: 6 Wildlife Area: 610

CBS Site #: 5

Quad Map: ST. PAUL SH (S17C) Latitude: 44 49' 18" Long: 93 13' 20" Porestry District: 612

Site: NICOLS MEADOW AREA

Ownership: Owner unknown

Managed Area(s): not managed or no record

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

Voucher:

Precision: approx. boundaries have been determined

Verification: verified. SMALL FEN ON SLOPING SATURATED PRAT WITH CALC GROUNDWATER DISCHARGE. SEVERAL LOW SEDGE MAT ZONES WITH CAREX STERILIS, TRIGLOCHIN MARITIMA, LOBELIA MALKII. SURROUNDED BY TALLER VEG WITH CAREX PRAIREA, CALAMAGROSTIS CAMADENSIS, SCIRPUS ACUTUS, CORNUS STOLONIPERA, EUPATORIUM MACULATUM, SOLIDAGO GRAMINIPOLIA COMMON. LYTHRUM SALICARTA, PHALARIS, PHRACMITES ALL PRESENT. SURR BY DIST: IMPOUNDED POND TO NORTH, WELL & NICOLS RD TO EAST, RR TRACKS TO SOUTH, CEDAR AVE TO MEST

TO27H R23H SHSESH18 DAXOTA COUNTY, IM

Blement: CALCARHOUS SEBPAGE PRN (SOUTHERST) PRAIRIE SUBTYPE #30

S Rank: Sl

BO Size: 10 acres approx BO Rank: C

Intended Status:

Last Observed Date: September 1993

DNR Region: 6 Wildlife Area: 610

Porestry District: 612

Current Status:

CBS Site #: 5

Quad Map: ST. PAUL SW (S17C)

Site: NICOLS MEADON AREA Latitude: 44 49' 13" Long: 93 13' 15" Ownership: Owner tuknown

Managed Area (s): not managed or no record

Source: LEOSCHKE, H. (NICOLS PEN BASHLINE ASSESSMENT REPORT 1993)

Precision: approx. boundaries have been determined

Voucher: Verification: verified PEN ON DEEP SATURATED PEAT SLOPING GENTLY TO THE MORTHWEST. COMMON NATIVE SPECIES: CAREX STRICTA, EUPATORIUM MACULATUM, ASTER UMDELLATUS, IMPATIENS CAPENSIS, SOLIDACO CANADENSIS. EXOTICS COMMON: LYTHRUM SALICARIA, PHALARIS, PHRAGMITES. RARB 6/OR CALCIPHILIC SPECIES INCLUDE CAREX STERILIS. CYPRIBEDIUM

TO27N R23W NWNWSELS DAKOTA COUNTY, MR

Element: CAREX STERILIS (STERILE SEGGE) #7

State Status: THREATENED

60 Size:

Current Status: 1 Intended Status: 2

Last Observed Date: 18 May 1982

DIR Region: 6 Wildlife Area: 610

EO Rank: B Site: NICOLS MEADOW AREA CBS Site #: 5

CAMDIDUM, AT BASE OF STEEP NW-FACING BLUFF, ADJACENT TO NICOLS RD TO BAST, CEDAR AVE TO WEST, RR TRACKS TO NORTH.

Quad Map: ST. PAUL SW (817C) Latitude: 44 49' 34" Long: 93 13' 0"

Precision: within 0.25 mile, confirmed

Forestry District: 612

Ownership: Private Managed Area(s): FORT. SHELLING STATE PARK

Source: SMITH, W.R. (5949)

Voucher: MIN

Verification: verified

HICOLS MEADOW. COMMON IN CALCARBOUS FEN. WITH VALERIANA EDULIS, CYPRIPEDIUM CANDIDIM, ERIOPHORUM ANGUSTIFOLIUM. TOTAL ROLL, IMMINSE SEC 18. THIS IS A REMNANT OF A LARGER FEN, NOW CONPINED TO MY OF RE TRACKS AND NE OF CEDAR AVE.

AIRPORT SOUTH DISTRICT AUAR - BLOOMINGTON, HBINIEPIN COUNTY T27H R24W SBC 1,12,13 & T27H R23H SBC 5-8,18

MADNIR, Natural Heritage and Mongame Research Program

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DNR Region: 6 .

DNR Region: 6

DNR Region: 6

Wildlife Area: 610

Forestry District: 612

Wildlife Area: 610

Forestry District: 612

Wildlife Area: 610

Porestry District: 612

TOZZN RZJW HESWIG DAKOTA COUNTY, MN

Minnesota Natural Heritage Database

Element: CARRY STERTLIS (STERILE SENGE) #58

Ownership: MN DNR Parks and Recreation

State Statue: THREATENED Site: NICHOLS MEADON AREA

Element Occurrence Records

KO Size:

EO Rank:

Current Status:

Intended Status:

CBS Site #: 5

Quad Man: ST. PAUL SH (817C)

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

Last Observed Date: 06 June 1982

Precision: within 0.25 mile, confirmed

Managed Area(s): FORT SMELLING STATE PARK Sourca: SMITH.W.R. (6158)

Voucher: 759370 MIN Verification: verified 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 CAREK INTERIOR, C. LANUDINOSA, C. STRICTA, DET GERALD MICHULIR. (PREV. COLL, SMITH, M.R. (750241), 1859 SEC 10 1982, 1 DUP.) OCCASIONAL HERE MITH CAREK

INTERIOR, C. PRAIREA, C. TETANICA, C. STRICTA.

TO27N R23W SWSBSW18 DAKOTA COUNTY, MN

Blement: CAREX STERILIS (STERILE SEDGE) #102

State Status: THREATENED Site: NICOLS MRADOW ARRA

BO Size: BO Rank:

Current Status:

Current Status:

Intended Status:

CBS Site #: 5

Intended Status:

CBS Site #: 5

Last Observed Date: June 1993

Quad Map: ST. PAUL SW (S17C)

Youcher:

Youcher:

Latitude: 44 49' 13" Long: 93 13' 15" Precision: within 0.25 mile, confirmed

Last Observed Date: 13 October 1994

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

Precision: within 6.25 mile, confirmed

Quad Map: ST. PAUL SW (S17C)

Ownership, Private Managed Area(s): not managed or no record

Source: LEOSCHKE.N. (SIGHT RECORD)

Verification: sight or sound rec. IN CALCAREOUS SEBPACE FRM 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 FEN. ASSOCIATED SPECIES INCLUDE CYPRIPEDIUM CANDIOUM. HAY BE THREATENED BY HYDROLOGIC ALTERATION FROM NEARBY DEVELOPMENT & EXOTIC SPECIES INVASION, ESPECIALLY PHALARIS.

TO27N R23W NWSESW14 DAKOTA COUNTY, NN

Element: CAREX STERILIS (STERILE SEDGE) #103

State Status: THREATENED

BO Size: BO Rank:

Site: NICOLS MEADOW AREA

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: DUMEVITZ, H. & EGGERS, S. (SIGHT RECORD)

SHALL CALCARBOUS SEEPAGE FEN IN MINNESOTA RIVER VALLEY NORTH OF RAILROAD TRACKS, JUST WEST OF NICOLS ROAD. UNCOMPANY IN LOW SECOR MATS WITH TRIGLOCHIN MARITIMA,

LOBBLIA XALMII. HOST PERIOYNIA GONE (LATE IN SHASON), BUT EMOUGH REMAINED TO VERIFY IDENTIFICATION.

T027N R23M NWSELS DAROTA COUNTY, MN

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

State Status: SPECIAL CONCERN

BO Size: BO Rank: C

Site: MICOLS MEADOW AREA

Current Status: 1 Intended Status: 2

CBS Site #: 5 .

Last Observed Date: 18 May 1982

DIR Region: 6 Wildlife Area: 610 Porestry District: 612

Quad Map: ST. PAUL SW (S17C)

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

Precision: within 0.25 mile, confirmed

Managed Area(s): FORT SNELLING STATE PARK

Source: SMITH, W.R. (5937)

Ownership: Private

Voucher: MIN

Verification: verified

Verification: sight or sound rec.

NICOLS MEADON. CA 20 PLANTS SEEN IN CALCAREOUS PRN. WITH CYPRIPEDIUM CALCEDIUS, CALTHA PALUSTRIS, CARDAMINE BURECSA, CARRY STRILIS. T27N R23W, NWINSE SEC 18. THIS IS A REPMART OF A LARGER PEN, NOW CONFINED TO HE OF CEDAL AVE.

AIRPORT SOUTH DISTRICT AUAR - HLOOMINGTON, HENNEPIN COUNTY

Ninnesota Natural Heritage Database T27N R24W SEC 1,12,13 & T27N R23H SEC 5-8,18 Element Occurrence Records

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TO27N R23W SWSESW18 DAKOTA COUNTY, NO .

Blement: CYPRIPEDIUM CANDIDUM (SHALL M(ITE LADY'S-SLIPPER) #260

State Statue: SPECIAL CONCRRN

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)

Voucher: Verification: sight or sound rec. IN CALCARPOUS SEEPAGE FEN IN THE MINNESOTA RIVER VALLEY, JUST SOUTH OF RALLROAD GRADE & WEST OF MICOLS ROAD. IN SATURATED PEAT. 35 CLUMPS WERE FOUND, MOST WITH AT LEAST ONE FLOWERING STEM. ASSOCIATED SPECIES INCLUDE CAREK STERILIS, CAREK STRICTA. MAY BE THREATENED BY MODROLOGIC ALTERATION FROM HEARBY DEVELOPMENT AND

PROM EXOTIC SPECIES, ESPECIALLY PHALARIS.

TO27N R23N 18 DAKOTA COUNTY, MI

Blement: RHYBCHOSPORA CAPILLACEA (HATR-LIKE BEAK-RUSH) #1

State Status: THREATENED

EO Sige:

BO Size:

BO Rank:

Current Status:

Current Status:

Intended Status:

CBS Site #: 5

Site: NICOLS MEADOW AREA 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 SHSESW SEC 18 BY M. LEOSCHKE.

\*\*\* REPORTED DESTROYED \*\*\*

Last Observed Date: August 1942

Last Observed Date: June 1993

Ouad Map: ST. PAUL SW (S17C)

Wildlife Area: 610 Forestry District: 612

Quad Map: ST. PAUL SW (S17C)

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

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

Precision: within 0.25 mile, confirmed

Precision: within 0.50 mile

Voucher: 373846 MIN Verification: verified

TO27H R23H 18 DAKOTA COUNTY, MM

Blement: SCLERIA VERTICILLATA (WHORLED MUT-RUSH) #1

State Status: THREATENED

BO Size: EO Rank:

Site: NICOLS MEADOW AREA

Ownership: Owner unknown

Managed Area(s): not managed or no record

Source: MOORE, BUTTERS & JENKINS (15122)

\*\*\* REPORTED DESTROYED \*\*\*

Last Observed Date: September 1941

DMR Region: 6 Wildlife Area: 610

Porestry District: 612

DNR Region: 6

DNR Region: 6

Hildlife Ares: 610

Porestry District: 612

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

Quad Map: ST. PAUL SR (S17C) Precision: within 0.50 mile

Voucher: 373845 MIN Verification: verified MEADON 1/2 MILE SOUTH OF NICOLS. (PREV COLL; ROSENDANL, C.O. (273142), 1924). NOT FOUND DURING 1993 SURVEY OF SMSESH SEC 18 BY M. LEOSCHKE.

TOZZN RZIW 18 DAKOTA COUNTY, KN

Element: SPEYBRIA IDALIA (REGAL PRITTILARY) #43

Hanaged Area(s): not managed or no record

State Status: SPECIAL CONCERN

Ownership: Owner unknown

BO Size: Site: NICOLS

BO Rank:

Current Status:

Intended Status:

Intended Status:

CBS Site H: 5

Last Observed Date: 10 July 1968

DNR Region: 6 Wildlife Area: 610

Quad Map: ST. PAUL SW (S17C)

Latitude: 44 49' 34" Long: 93 13' 14"

Porestry District: 612

Precision: within 0.50 mile

Source: MUBER, R.L. (R. MUBER, DATA LOG) Voucher: Verification: verified

SPECIMEN COLLECTED AT NICOLS. HABITAT NOT DESCRIBED, BUT NET PRAIRIE, FUN EXISTS IN ANEA. (PRHV COLL: MORDIN, P.D., 1965. BOLDUC, A., 1967. SITE RECORDED AS NICOLS FOR BOTH COLLECTIONS IN R.HUBER'S BATA LOG.) LOCATIONS OF ALL SPECIMENS UNKNOWN.

AIRPORT SOUTH DISTRICT AVAR - BLOOMINGTON, HENNEPLI COUNTY T27N R24W SEC 1,12,13 & T27N R23H SEC 5-8,18

Intended Status: 2

Intended Status:

Intended Status:

Intended Status:

CBS Site #: 5

Blement Occurrence Records MnDNR, Natural Heritage and Hongame Research Program

Current Status: 1

Current Status:

Current Status:

Current Status:

TO2711 R23N NWSE18 DAKOTA COUNTY, NO

Minnemota Natural Heritage Database

Element: VALERIANA EDULIS VAR. CILIATA (VALERIAN) H9

State Status: THREATENED

BO Size:

BO Rank:

Site: NICOLS MEADOW AREA

Ownership: Private

Managed Area(s): PORT SHELLING STATE PARK

Source: SMITH, W.R. (2144)

IS A REMUANT OF LARGER PEN, NOW COMPINED TO HE OF CEDAR AVE.

TO27N R24W SE13 DAKOTA COUNTY, MN

Blement: ACTIMONAIAS LIGAMENTINA (MUCKET MUSSEL) #95

State Status: THREATENED

BO Size:

EO Rank:

Site: DIR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(s): MIMIESOTA VALLEY NWR

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

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

TO27N R24W SEL3 DAKOTA COUNTY, MN

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

State Status: ENDANGERED

EO Size:

BO Rank: 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 DOC LAKE OUTLET JUST UPSTREAM OF MIN NWY 77 BRIDGE.)

TO27N R24W SE13 DAKOTA COUNTY, MN

Blement: FUSCONAIA EBENA (EBONYSHELL MUSSEL) #8

State Status: ENDANGERED

FO Size: EO Rank:

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 MI HHY 77 BRIDGE.)

Last Observed Date: 22 May 1980 DNR Region: 6

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DNR Region: 6

DWR Region: 6

Wildlife Area: 610

Porestry District: 612

Wildlife Area: 610

Porestry District: 612

Wildlife Area: 610 Quad Map: ST. PAUL SN (S17C) Forestry District: 612

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

Precision: within 0.25 mile, confirmed

Voucher: MIN Verification: verified

NICOLS MEADON. FREQUENT IN CALCARBOUS FEN, MITH SAXIFRAGA PENSYLVANICA, CAREX STERILIS, CYPRIPEDIUM CANDIDUM, CALTHA PALUSTRIS. T27N R23H, IMMINSE SIC 18. THIS

Last Observed Date: 31 August 1989

Quad Map: ST. PAUL SH (S17C)

Voucher:

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

Precision: within 0.25 mile, confirmed

Verification: verified

Last Observed Date: 31 August 1989

Quad Map: ST. PAUL SW (S17C)

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

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

DIR Region: 6

Wildlife Area: 610 Forestry District: 612

Quad Map: ST. PAUL SW (\$17C) Latitude: 44 49' J2" Long: 93 14' 3"

Last Observed Date: 31 August 1989

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

AIRPORT SOUTH DISTRICT AUAR - BLOOMINGTON, HENTEPIN COUNTY T27N R24N SEC 1,12,13 & T27N R23W SEC 5-8.18

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TOZZN RZAW SELJ DAKOTA COUNTY, MI

Minnesota Natural Heritage Database

Blement: LAMPSYLIS TERBS (YBLLOW SANDSHELL MUSSEL) #11

Last Observed Date: 31 August 1989 .

DNR Region: 6 Wildlife Area: 610

FO Size:

State Status: ENDANGERED BO Rank:

Current Status: Intended Status:

Site: DNR RIVER MILE 7.0 SITE 57

Quad Map: ST. PAUL SW (S17C) Latitude: 44 49' 32' Long: 93 14' 3" Porestry District: 612

Ownership: Owner unknown

Rlement Occurrence Records

Managed Area(s): MINNESOTA VALLEY NWR

Precision: within 0.25 mile, confirmed

SOUTCE: 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.)

Voucher:

Verification: verified

TO27H R24W SE13 DAKOTA COUNTY, MI

Blement: LIGUMIA RECTA (BLACK SAMDSHELL MUSSEL) #94

State Status: SPECIAL CONCERN

RO Size:

Current Status:

Last Observed Date: 31 August 1989

DNR Region: 6

BO Rank:

Intended Status:

Quad Map: ST. PAUL SW (S17C)

Wildlife Area; 610

Site: DNR RIVER. MILE 7.0 SITE 57

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

Porestry District: 612

Ownership: Owner unknown

Managed Area(s): NIMNESOTA VALLEY NWR

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

Precision: within 0.25 mile, confirmed

Voucher:

Verification: verified

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

TO27H R24N SB13 DAKOTA COUNTY, MN

Blement: MUSSEL SAMPLING SITE #141

Last Observed Date: 31 August 1989

DNR Region: 6

BO Size:

BO Rank:

Current Status: Intended Status:

Quad Map: ST, PAUL SH (S17C)

Wildlife Area: 610

Site: DNR RIVER NILE 7.0 SITE 57

Ownership: Owner unknown

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

Porostry District: 612

Managed Area(s): MINNESOTA VALLEY NWR

Source: BRIGHT, B. (MUSSEG SURVEY OF MINDRESOTA RIVER)

Voucher:

Verification:

Precision: within 0.25 mile, confirmed

BLACK DOG LAKE OUTLET, UPSTREAM OF HWY 77 BRIDGE: LIVE SPP: 8 QUADRULA QUADRULA, 1 TRUNCILLA DONACIFORMIS, 14 TRUNCILLA TRUNCATA, 1 LEPTODEA FRAGILIS, DEAD SPP: A. L C, A. PLI, E. DIL, F. EBE, F. PLA, L. R L, L. VEN, A. G Q, E. CRAS, L. TER, L. PRAG, L. REC, M. OIG, O. REP, P. ALA, P. ONIO, Q. NOD, Q. PUS, Q. QUA, T. VER, T. DON.

TO27N R24N SE13 DAKOTA COUNTY, MON

Blement: QUADRULA NODULATA (WARTYBACK MUSSEL) N12

Last Observed Date: 31 August 1989

DNR Region: 6

State Status: ENDANGERED

DO Size: BO Rank: Current Status: Intended Status: Quad Hap: ST. PAVL SH [S17C) Latitude: 44 49' 32" Long: 93 14' 3"

Wildlife Area: 610 Porestry District: 612

Site: DNR RIVER WILE 7.0 SITE 57

Precision: within 0.25 mile, confirmed

Ownership: Owner unknown

Managed Area (s): MINNESOTA VALLEY INR

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

Voucher:

Verification: verified

DEAD SPECIMENS ONLY POUND AT SITE (DEACK DOG LAKE OUTLIT JUST UPSTREAM OF MY 100Y 77 DEIDOR.)

AIRPORT SOUTH DISTRICT AUAR - BLOCMINGTON, HENNEPIN COUNTY

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

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TO27N R24W SEL3 DAKOTA COUNTY, MN

Hinnesota Natural Heritage Database

Element: TRITOGONIA VERRUCOSA (PISTOLGRIP MUSSEL) #29

State Status: THREATENED

RO Size:

RO Rank: Current Status: Intended Status:

Quad Map: ST. PAUL SW (S17C)

Last Observed Date: 31 August 1989

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

Precision: within \$.25 mile, confirmed

Wildlife Area: 610 Porestry District: 612

DNR Region: 6

13:19 Monday, NOVEMBER 26, 2001

Site: DIR RIVER MILE 7.0 SITE 57

Ownership: Owner unknown

Managed Area(a): MINNESOTA VALLEY NWR

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

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

Voucher:

Voucher:

Verification: verified

Verification: verified

TO27H R24W NEHESE14 REINEPIN COUNTY, MI

Blement: BLACK ASH SWAMP SEEPAGE SUBTYPE #13

S Rank: S3

RO Size:

WO Rank: BC Current Status: Intended Status:

Quad Map: ST. PAUL SN (617C) Latitude: 44 49' 31" Long: 93 14' 57"

Last Observed Date: 20 June 1995

·Wildlife Area: 610 Porestry District: 613

DICR Region: 6

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, F. (CO BIOL SURVBY 1995)

SEEP DON'D BY SMALLISH DIAMETER FRAXINUS NIGRA W/ SALIX NIGRA & FRAXINUS PINNI. HODERATE TO LOW SHRUE COVER BY RIBES AMER, SAMBUCUS, RHAMMUS FRANG, & RHAMMUS CATH. CONTINUOUS, NATIVE HERR COVER W/MUCH IMPATIENS, SYMPLOCARPUS, EQUISITUM PRATICISH & CALTILA M/ HANY TYPICAL SPP. ON VERY SOFT MUCK W/MUCH GROUNDWATER SERPAGE AT FOOT OF STREP BLOPE ON N SIDE OF NN RIVER VALLEY.

TO27H R24W SWSWSEL4 HENDERPIN COUNTY, MIN

Element: TRILLIUM NIVALE (SNOW TRILLIUM) #29

State Status: SPECIAL CONCERN

HO Size: "EO Rank:

Site: LONG MEADON LAKE

Current Status: Intended Status:

CBS Site #: 1

Last Observed Date: Nay 1992

DNR Region: 6

Hildlife Area: 610

Porestry District: 613

Quad Map: BLOCKHINGFOR (\$16D)

Precision: approx. boundaries have been determined

Latitude: 44.49' 14" Long: 93 15' 21" Precision: within 0.25 mile. confirmed

Ownership: City Park

Managed Area(s): MOUND SPRINGS PARK

Source: HOLM, G. (SIGHT RECORD)

.Verification: sight or sound rec.

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

TO27N R24N SE14NH23 HEMNEPIN COUNTY, MN

Element: BLACK ASH SWAMP SBEPAGE SUBTYPE #11

S Rank: S3 RO Size:

BO Rank: C Current Statue: Intended Status:

Quad Map: BLOOMINGTON (\$160)

Last Observed Date: 22 June 1995

Wildlife Area: 610 Forestry District: 613

DNR Region: 6

Site: LONG MEADON LAKE .

Ownership: City Park

CBS Site #: 1

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

Precision: approx. boundaries have been determined

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

Source: HARRIS, F. (CO BTOL SURVEY 1995)

· Verification: verified

SERIES OF 5-6 SHALL SEEPAGE ARGAS ALONG BASE OF STEEP SLOPES ON IN SIDE OF MINN RIVER VALLEY. VARIABLE CANOPY DON'D BY PRAXINUS NIGRA (10 - 40 CM DEM). FRAX FENN & SALIX HIGRA. SHRUBS INCL RIBES AMER, RHAMNUS FRANG, RHAMNUS CATH, SAMBUCUS. HERES DOX'D BY SYMPLOCARPUS, IMPATIENS, EQUISETUM PRAT, & GLYCERIA STR W/COOD DIVERSITY HERBS ASS'D W/ SEEPAGE. PHALARIS IN SMALL AREAS OF SILT DEPOSITION. ON VERY SOFT MUCK W/ MUCH GROUNDWATER SEEPAGE.

AIRPORT GOUTH DISTRICT AVAR - BLOOMINGTON, HENNEPIN COUNTY T27N R24W SEC 1,12,13 & T27N R23H SEC 5-8,16 MnDNR, Natural Heritage and Nongamo Research Program

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DATE Region: 6

Wildlife Area: 610

Porestry District: 612

TO2711 R24W INESE23 DAKOTA COUNTY, MN

Minnesota Natural Heritage Database

Element: FALCO PERHORINUS (PERPORINE PALCON) #56

State Status: THREATENED

Element Occurrence Records

DO Size: Ownership: Private

Source: REDIG, P.

BO Rank: Site: BLACK DOG LAKE NORTH

Current Status:

Intended Status:

CBS Site #: 6

Quad Map: ST. PAUL SW (S17C)

Last Observed Date: 1993

Latitude: 44 48' 38" Long: 93 14' 58"

Precision: within 0.25 mile, confirmed

Voucher.

Verification: verified

T027N R24N NESB23 DAXOTA COUNTY, MN

NESTING AREA. NSP BLACK DOG PLANT.

Blement: POLYODON SPATHULA (PADDLEPISH) 84

Managed Area(s): not managed or no record

State Status: THREATERED

RO Size:

BO Rank:

Current Status:

Intended Status:

Last Observed Date: 14 January 1993

DNR Region: 6 Wildlife Area: 610 Porestry District: 612

Quad Map: BLOCKINGTON (\$160)

Latitude: 44 48' 43" Long: 93 15' 2" Precision: within 0.25 mile, confirmed

Site: BLACK DOG LAKE Ownership: Owner unknown

Managed Area(a): not managed or no record

Source: N8P

Voucher: Verification: sight or sound rec. 1 DEAD PADDLEFISH (47 DICHES IN LENGTH) FOUND IN THE BAR RACK WHERE COOLING WATERS ENTER THE BLACK DOG POWER PLANT ON THE MINNESOTA RIVER.

TO27N R24W SENE24 DAKOTA COUNTY, MN

Blement: CALCARBOUS SEEPAGE PEN (SOUTHEAST) PRAIRIE SUBTYPE #25

S Rank: SI

EO Size: 1 acres approx. EO Rank: C

Site: BLACK DOG LAKE NORTH (449 acres)

Current Status: 1

Intended Status: 6

CBS Site N: 6

\*\*\* SITE THREATENED \*\*\*

Last Observed Date: 21 July 1993

DNR Region: 6 Wildlife Area: 610

Forestry District: 612

Quad Map: ST. PAUL SM (S17C)

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

Precision: approx. boundaries have been determined

Ownership: Private Managed Area(s): not managed or no record

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

Voucher: Verification: verified

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

TO27N R24N SENE24 DAKOTA COUNTY, MN

Plement: CAREX STERILIS (STERILE SEDGE) #70

State Status: THREATENED

DO Size: BO Rank: BC Current Status: Site: BLACK DOG LAKE WORTH (449 acres)

Intended Status:

CBS Site N: 6

Quad Map: ST. PAUL SH (S17C)

Last Observed Date: 03 June 1993

\*\*\* SITE THREATENED \*\*\*

DNR Region: 6 Wildlife Area: 610 Porestry District: 612

Ownership: Private

Hanaged Area(B): not managed or no record Source: LBE, M.D. (NDL165)

Latitude: 44 48' 50" Long: 93 13' 51" Precision: within 0.25 mlle, confirmed

Voucher: MIN Verification: verified

LCCALLY COMMON IN SMALL CALCARDOUS SEEPAGE PEN. GROWING ALONG EDGE OF NARROW SE EPAGE PLOW. ASSOCIATES: VALERIANA EDULIS, ERIOPHORUM ANGUSTATOLIUM, OXYPOLIS. ELECCHARIS, PHRAGMITES, TYPHA, HALF ACRE "OPENING" SURROUNDED BY HEARLY CONTINU ONS COVER OF PHRAGMITES WITH OCCATIONAL SALIX. 100M E OF RR TRACKS IN AREA KNOW N AS BLICK ESTATE. HIRD BANDING TRAIL KUNS ALONG EDGE OF FEN. THREAT PROD HEH DEVELOPMENT ATOP HILL THAT HAS STORM SEHER ROW THROUGH THIS AREA.

Minnesota Natural Heritage Database Blement Occurrence Records

MnDNR, Natural Heritage and Nongame Research Program

13:19 Monday, NOVEMBER 26, 2401 Copyright 2001 State of Minnesota DNR

TO27N R24H SENE24 DAKOTA COUNTY, HRI

Element: VALERIANA EDULIS VAR. CILIATA (VALERIAN) #50

State Status: THREATENED

Ownership: Private

FO Size: BO Rank: C Site: BLACK DOG LAKE NORTH (449 acres)

Managed Area(s): not managed or no record

Current Status: . Intended Status:

CBS Site #: 6

\*\*\* SITE THREATENED \*\*\*

Last Observed Date: 03 June 1993

DNR Region: 6

DNR Region: 6

Mildlife Area: 610

Porestry District: 612

Wildlife Area: 610

Quad Map: ST. PAUL SW (S17C)

Porestry District: 612

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

Last Observed Date: 13 October 1994

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

Quad Map: ST. PAUL SW (S17C)

Precision: within 0.25 mile, confirmed

Verification; photo rec.

6 PLANTS (2 FLOWERING) IN CALCAREOUS SEBPAGE 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 PHRACMITES - 100M E OF RR TRACKS IN AREA CALLED BLICK ESTATE. HEEDS FIRE TO SET BACK BRUSH. USFWS BIRNS AREA OCCASIONALLY. USFNS BIRD BANDING TRAIL ADJ TO FEN, IMMEDIATE THREAT FROM DEVEL-OPMENT ON TERRACE ABOVE WITH STORM SEHER ROW THROUGH AREA. SLIDE # MDL164.

TO2711 R24W 24 DAKOTA COUNTY, MIL

Source: LEE, M.D. (PHOTO RECORD)

Blemant: WET MEADOW #85

S Rank: S3

BO Size:

BO Rank: CD

Current Status:

Site: BLACK DOG LAKE NORTH

Ownership: U.S. Fish and Wildlife Service (National Wildlife Refuge) Managed Area(s): MINNESOTA VALLEY NWR

Intended Status:

CBS Site #: 6

Precision: approx. boundaries have been determined

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

WET MEADOW, PORTIONS WITH SEEPAGE. SOME AREAS DOMINATED BY LARGE PATCHES PHRAGMITES E/OR PHALARIS, SOME BY DENSE PATCHES OF SHRUBS. INCLUSIONS OF

EMERGENT MARSH IN DITCHES & ADJACENT TO LAKE. BEST QUALITY NET MEADOW DOMINATED BY CAREX LACUSTRIS, C. STRICTA, WITH MODERATE PORB 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.

TO28N R23H 32 HENNEPIN COUNTY, MM

Blement: BESSEYA BULLII (KITTEN-TAILS) #18

State Status: THREATENED

RO Size:

BO Rank:

Current Status:

Intended Status:

Site: FORT SNBLLING MILITARY RESERVATION Ownership: U.S. Government (Other Federal Lands)

Managed Area (s): FORT SMBLLING MILITARY RESERVATION

Source: BRICKSON.L.

DRY HILLSIDE, OPEN PRAIRIB. PT. SWELLING. (NO DATE ON SPECIMEN, BUT APPARENTLY PRE-1900.)

Last Observed Date:

DNR Region: 6 Wildlife Area: 610

Porestry District: 613

Quad Map: ST. PAUL SH (617C)

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

Precision: within one mile

Voucher: 288163 MIR

Verification: verified

Verification: verified

TOZEN RZZW SENEZZ DAKOTA COUNTY, ME

Blement: HALIABBTUS LEUCOCEPHALUS (BALD RAGLE) #2113

State Status: SPECIAL CONCERN

BO Rank:

Federal Status: THREATSHED

Current Status:

Intended Status:

Site: FORT SMELLING STATE PARK

Ownership: NN DNR Parks and Recreation

Managed Area (a) : FORT SHRELING STATE PARK MINNISOTA VALLEY NUR

Source: KITTHLSON, S. (DIR)

NESTING 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

#### ALRPORT SOUTH DISTRICT AVAR - BLOCALNIGTON, HENNEPIN COUNTY T27N R24H SEC 1,12,13 & T27N R23H SEC 5-8,18

MnDNR, Natural Heritage and Nongame Research . Program

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TOZBN R23W OWSR33 DAXOTA COUNTY, MY

Minnesota Natural Heritage Database

Element Occurrence Records

Element: CALCAREOUS SEBPAGE PEN (SOUTHBAST) PRAIRIE SUBTYPE #28

S Rank: S1

BO Size: JO acres approx BO Rank: C Current Status: Intended Status:

CBS Site #: 2

Last Observed Date: 20 July 1994

DNR Region: 6 Wildlife Apea: 610 Forestry District: 612 12

Quad Map: ST. PAUL SH (S17C) Site: GUN CLAR LAKE NORTH

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

Precision; approx. boundaries have been determined

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

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

Voucher: RBLEVE 1994 Verification: verified DOMINANT GRAMINOIDS INCL CAREX STRICTA, C. LACUSTRIS, CALAMAGROSTIS CANADENSIS. RARE AND/OR CALCIPHILIC SPECIES: CYPRIPEDIUM CANDIDUM, C. PARVIPLORIM, CAREX INTERIOR, CAREX PRAIREA. SOME LARGE PATCHES PHRAGMITES. SATURATED DEEP PRAT ON GENTLE WEST-FACEIT SLOPE WITH AMEAS OF CALCARDOUS GROUNDWATER DISCHARGE. AT BASE OP STEEP FORESTED WEST-FACING BLUFF (W OF RR TRACKS). GRADES TO DIST FORMER FEN DOM BY PHALARIS & TO EMERGENT NARSH. JUST N OF 1-494 BRIDGE, E OF GIN CLUB LAKE.

TOZEN ROOM HWSESS DAKOTA COUNTY, MI

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

State Status: SPECIAL CONCERN

BO Size: BO Rank: C

Current Status:

Intended Status: .

Last Observed Date: 02 June 1991

DNR Region: 6

Ownership: MN DNR Parks, and Recreation

Site: GUN CLUB LAKE NORTH (443 acres)

CBS Site #: 2

Quad Map: ST. PAUL SR (S17C)

Wildlife Area: 610 Porestry District: 612

Ownership: NM DNR Parks and Recreation

Latitude: 44 52' 3' Long: 93 10' 31" Precision: within 0.25 mile, confirmed

Monaged Area(s): FORT SIELLING STATE PARK MISSISSIPPI NATL RIVER & RECHEATION AREA

Source: LEE, N.D. (MDL152)

Voucher: MIN Verification: verified

27 PLOHERING STEMS 11 2 ACRE HET MEADON IN PLOODPLAIN OF MN RIVER. GROWING MOSTLY ON HUMBOCKS PRODUCED BY CAREL OF STRICTA. ASSOCIATES: THALLCTROM DASYCAR-PUM, RUBUS PUBBSCENS, SOLIDAGO GIGANTEA, SHILACINA STELLATA, CYPRIPEDIUM CALCEOLUS. WATER AIKLE DEEP BETHEEN HIPODCKS. PORT SHELLING STATE PARK L/4 MILE NORTH OF 1494.

TOZON RZIW SEIZORZSII DAKOTA COUNTY, MI

Blement: MIXEO EMERGENT MARSH (PRAIRTE) #23

S Rank: S2

BO Size: 140 acres appro BO Rank: B

Current Status:

Intended Status:

Quad Map: ST. PAUL SK (S17C)

DNR Region: 6 Wildlife Area: 610 Porestry District: 612

Site: GUN CLUB LAKE NORTH

CBS Site #: 2

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

Last Observed Date: 25 August 1994

Ownership: MM DNR Parks and Recreation

Managed Area(s): FORT SHBLLING STATE PARK MISSISSIPPI NATL RIVER & RECREATION AREA Source: DUNEVITZ, H. (CO BIOL SURVEY L994)

Precision: approx. boundaries have been determined

Voucher: RELEVE 1954 Verification: verified

PATCHES VARIOUSLY DOM BY ZIZANIA PALUSTRIS (DEEPEST WATER), SCIRPUS FLUVIATILIS, TYPHA ANGUSTIPOLIA, LEERSIA CNYZOIDES, &/OR PHRAGMITES AUSTRALIS. PATCHY SKRUB COVER INCI, SALIX EXIGUA, ANORPHA FRUTICOSA. OTHER CONGRON HERE SPECIES INCLUDE BIDENS CERNUA, BIDENS FRONDOSA, SAGITTARIA LAT, SYARGANIUM BURYCARPUN, POLYGONUM COCCURRYM. ON SATURATED PEAT, MOST AREAS WITH STANDING WATER, SURNOUNDING NORTH PORTION GUN CLUB LAKE, URADES TO YEN EAST EDGE, MINNESOTA RIVER VALUEY.