

MAP REPORT FORM

Scale 1:100,000

Map Name: St. Paul SE State(s): Minnesota

MAP PREPARATION

Photography Used:

	<u>Emulsion</u>	<u>Scale</u>	<u>Date</u>	<u>Percent Coverage</u>
1.	CIR	1:58,000	5-1-81	43.75 %
2.	CIR	1:58,000	11-18-80	34.35 %
3.	CIR	1:58,000	10-28-80	12.50 %
4.	CIR	1:58,000	11-21-80	9.40 %

Field Check Dates:

100.00 %

1. 4 August 1987
2. 5 August 1987
- 3.

Contractor(s) for Photo Interpretation:

1. South Dakota Cooperative Fish and Wildlife Research Unit
South Dakota State University
2. Brookings, SD 57007
- 3.

Collateral Data Used:

1. U.S.G.S. Quadrangle maps (7.5 and 15')
2. U.S.D.A. - S.C.S. Soil Surveys for Goodhue, Dodge, Olmsted, and Wabasha Counties
3. U.S.G.S. Water Resources Data for Minnesota, 1983, Volume 2
- 4.
- 5.
- 6.
- 7.
- 8.

WETLAND COMMUNITIES

<u>MAP SYMBOLS</u>	<u>LOCAL NAME</u>	<u>DOMINANT VEGETATION</u>	<u>WATER REGIME</u>
PEM	temporary wetland	<u>Juncus</u> spp., <u>Aster</u> spp., <u>Rumex</u> spp., <u>Carex</u> spp., <u>Spartina pectinata</u>	A
PEM	seasonal wetland	<u>Carex</u> spp., <u>Phalaris</u> spp., <u>Juncus</u> spp., <u>Polygonum</u> spp.	C
PEM	saturated wetland	<u>Carex</u> spp., <u>Phalaris</u> spp., <u>Typha</u> spp., <u>Sphagnum</u> spp., <u>Scirpus</u> spp.	B
PEM	semi-permanent wetland	<u>Typha</u> spp., <u>Scirpus</u> spp.	F
PAB	aquatic bed wetland	<u>Nymphaea</u> spp., <u>Lemna</u> spp.	F, G
PSS	scrub-shrub wetland	<u>Salix</u> spp., <u>Alnus</u> spp.	A,B,C
PFO	forested wetland	<u>Acer saccharinum</u> , <u>Fraxinus</u> <u>pennsylvanica</u> , <u>Salix</u> spp., <u>Acer negundo</u>	A,B,C
PUB	pond	open water	F, G
PUS	shallow impoundment	none	C
R4SB	intermittant stream	open water, none	A,C,F
R2UB	river	open water	G
R3UB	stream	open water	G
L1UB	lake	open water	H
L2UB	lake	open water	G
L2AB	large aquatic bed	<u>Sagittaria</u> spp., <u>Nymphaea</u> spp., <u>Lemna</u> spp.	
R2US	shore	none or pioneering species	A, C
L2US	shore	none or pioneering species	A, C

Special modifiers b,d,h,x were used where appropriate.

Artificial water regime (K) was used for sewage treatment ponds.

GEOGRAPHY

General Location:

44°30' to 44°00' N latitude

93°00' to 92°00' W longitude

Bailey's Ecoregion Classification and Description:

1. 2000 Humid Temperate Domain
2200 Hot Continental Division
2210 Eastern Deciduous Forest Province
2213 Maple-Basswood Forest and Oak Savanna

2.

3.

4.

SPECIAL MAPPING PROBLEMS

1. Determination of temporarily flooded
trees along rivers when interpreting
the October and November photography.

2. Seasonal linear presentation on fall
photography.

1. In some cases, there was little or no
signature present on the fall photography.
Field work and similar situations in May
photography provided collateral data
that showed that many of the flood plain
areas along rivers were temporarily
flooded. In many cases a slight change
in photosignature in combination with
topographic map contour line location
was used to determine the wetland-upland
boundary.

2. Due to the lateness (dryness) of the
photography and the extensive shadows in
draws, some seasonal wetlands may have
been missed.

USER CAUTION

The map document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deep Water Habitats of the United States (An Operation Draft) Cowardin, et al., 1977. The aerial photographs typically reflected conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of aerial photographs. Thus a detailed on-the-ground and historical analysis of a single site may result in revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on the map document.

Federal, State, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either design or products of this inventory, to define limits of proprietary jurisdiction of any Federal, State, or local government or to establish the geographical scope of regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State, or local agencies concerning specific agency regulatory programs and proprietary jurisdictions that may affect such activities.

Additional information regarding this map or other National Wetland Inventory activities may be obtained by contacting:

- 1) Ron Erickson, Regional Wetland Coordinator, USFWS, Federal Building,

Fort Snelling; Twin Cities, Minnesota 55111

- 2) South Dakota Cooperative Fish and Wildlife Research Unit, South Dakota

State University, Brookings, SD 57007
