

MAP REPORT FORM

Scale 1:100,000

Map Name: New Ulm NW State(s): Minnesota

MAP PREPARATION

Photography Used:

<u>Emulsion</u>	<u>Scale</u>	<u>Date</u>	<u>Percent Coverage</u>
1. CIR	1:65,000	5/1/80, 5/2/80	100%
2.			
3.			

Field Check Dates:

1. Fall, 1982
2. 5-11-1983
- 3.

Contractor(s) for Photo Interpretation:

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

Collateral Data Used:

1. U.S.G.S. Topographic Maps
2. SCS Soil Survey Lyon County
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

## GEOGRAPHY

### General Location:

44°30' - 45°00'N Lat.  
95°00' - 96°00'W Long.

### Bailey's Ecoregion Classification and Description:

1. 2531 Prairie Division, Tall-Grass Prairie Province, Bluestem Prairie Section

2.

3.

4.

WETLAND COMMUNITIES

<u>MAP SYMBOLS</u>	<u>LOCAL NAME</u>	<u>DOMINANT VEGETATION</u>	<u>WATER REGIME</u>
PEM	temporary wetland	<u>Carex</u> sp. <u>Juncus</u> sp. <u>Hordeum jubatum</u> <u>Astor</u> sp. <u>Spartina</u> sp.	A
PEM	saturated wetland	<u>Carex</u> sp. <u>Juncus</u> sp.	B
PEM	seasonal wetland	<u>Phalaris arundinacea</u> <u>Polygonum</u> sp. <u>Carex atheroides</u>	C
PEM	semipermanent wetland	<u>Typha</u> sp. <u>Scirpus</u> sp.	F
PEM	pond	open water	F, G, H, K
PUS	shore	non-vegetated or pioneer sp.	A, C
PSS	scrub-shrub wetland includes subclass 2	<u>Salix</u> sp. <u>Populus deltoides</u>	A, C, F
PFO	forested wetland included subclass 1	<u>Salix</u> sp. <u>Populus deltoides</u> <u>Fraxinus pennsylvanicus</u>	A, C, F
L1OW	lake	open water	H
L2OW	lake	open water	G
L2US	shore	non-vegetated or pioneer sp.	A, C
R2OW	river	open water	G, H
R3OW	river	open water	G, H
R2US	shore, beachbar	non-vegetated or pioneer sp.	A, C
R4SB	stream includes subclass 7	open water/scattered clumps or vegetated	C, F

Also special modifiers d, h, x, used where appropriate. Water regime U used where specific water regimes could not be determined. Water regime K was used on sewage lagoons.

SPECIAL MAPPING PROBLEMS

1. Cloud cover on several work areas.

1. Monoscopic viewing or using adjacent photos.

2. Classification of drainage ditches.

2. Most drainage ditches are semipermanent and become vegetated. Subclass 7 (vegetated) will be used and the majority of ditches will be pulled R4SB7Fx.

Larger ditches with more constant flow will be classified R2OWGx.

3. Delineation of PEMA's.

3. Many PEMA's are not visible on the photography (especially in tilled fields) due to it's relative dryness. With no identifiable photo-signature these wetlands will not be pulled.

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 Wildlife Research Unit  
South Dakota State University, Brookings, South Dakota 57007