

MAP REPORT FORM

Scale 1:100,000

Map Name: Grand Forks NE State(s): Minnesota

MAP PREPARATION

Photography Used:

<u>Emulsion</u>	<u>Scale</u>	<u>Date</u>	<u>Percent Coverage</u>
1. CIR	1:65K	5/2/82	50%
CIR	1:58K	10/22/82	18.75%
2. CIR	1:58K	5/16/83	12.50%
CIR	1:58K	10/17/82	6.25%
3. CIR	1:58K	10/21/82	6.25%
CIR	1:58K	4/4/83	6.25%

Field Check Dates:

1. South Dakota Cooperative Fish and Wildlife Research Unit, SDSU, P.O. Box 2206, Brookings, SD 57007
- 2.
- 3.

Contractor(s) for Photo Interpretation:

1. U.S.G.S. Topographic 7.5' quadrangle maps
2. U.S.G.S. Water Resources Data For Minnesota, 1983
3. S.C.S. Soil Survey of Pennington County, Minnesota

Collateral Data Used:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

## GEOGRAPHY

### General Location:

47°30' to 48°00' N Latitude  
96°00' to 97°00' W Longitude

### Bailey's Ecoregion Classification and Description:

1. 2111 -2000 Humid Temperate Domain
  - 2100 Warm Continental Division
  - 2110 Laurentian Mixed Forest Province
  - 2111 Spruce-Fir Forest Section
  
- 2.
  
  
  
  
  
  
  
  
  
  
3. 2531 -2000 Humid Temperate Domain
  - 2500 Prairie Division
  - 2530 Tall-Grass Prairie Province
  - 2531 Bluestem Prairie Section
  
  
  
  
  
  
  
  
  
  
- 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> spp., <u>Juncus</u> spp., <u>Hordeum jubatum</u> , <u>Asta</u> spp., <u>Spartina</u> spp.	A
PEM	saturated wetland	<u>Carex</u> spp., <u>Juncus</u> spp.	B
PEM	seasonal wetland	<u>Carex atheroides</u> , <u>Polygonum</u> spp., <u>Phalaris arundinacea</u> , <u>Scholochloa festucacea</u>	C
PEM	semipermanent wetland	<u>Typha</u> spp., <u>Scirpus</u> spp.	F
PUB	pond	open water	F,G,K
PSS	scrub shrub wetland (sub class 1)	<u>Salix</u> spp.,	A,C,B
PFO	forested wetland (sub class 1)	<u>Alnus</u> spp., <u>Ulmus americana</u> , <u>Salix</u> spp., <u>Populus tremuloides</u>	A,C,B
L1UB	lake	open water	H
R2UB	river	open water	G,H
R4SB	stream	open water/scattered clumps of vegetation	F,C
R2US	sandbar, shore	non-vegetated or pioneering	A,C
PUS	gravel pit	non-vegetated	C

Where appropriate, the special modifiers of d,h, and x were used. The water regimes K and G were used in conjunction on sewage lagoons.

SPECIAL MAPPING PROBLEMS

1. Six dates and 2 scales of photography  
on this quad.

2. Seasonal versus saturated determination  
along the Glacial Lake Agassic beach

1. An attempt was made to maintain consistency  
by keeping in mind the dates of photography  
ranged from April to October and adjusting  
photointerpretation accordingly.

2. Large extensive non-basin like wetlands  
that were greyer on the NASA photography  
and greenish-grey on the NHAP photography  
were classified as saturated. The isolated  
smaller basin oriented wetlands were  
identified to be more seasonal and had  
a white mottled appearance on the NASA  
photography and a whitish-green on the NHAP.

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, MN 55111
- 2) South Dakota Cooperative Fish and Wildlife Research Unit, South Dakota State University, P.O. Box 2206, Brookings, SD 57007