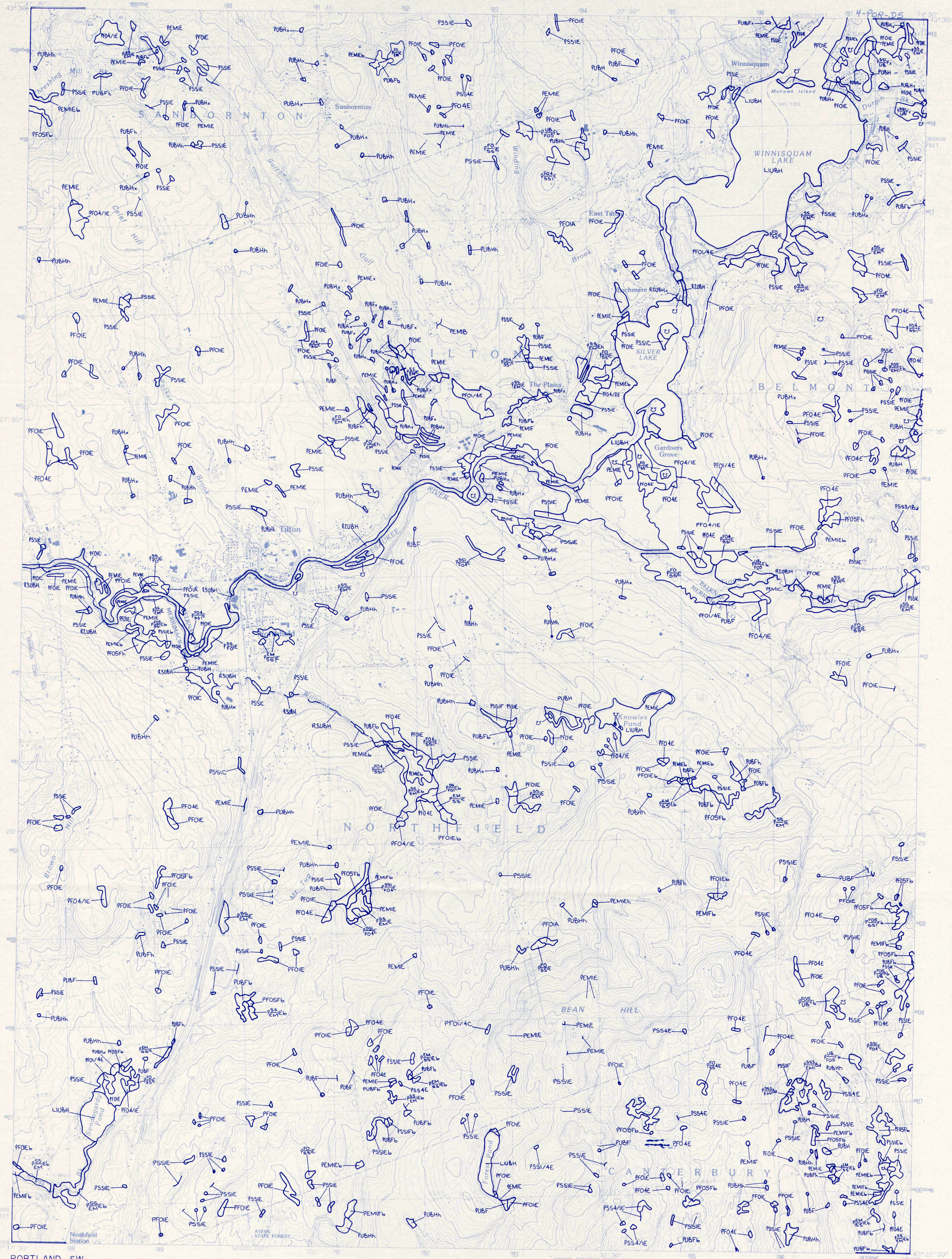


# NATIONAL WETLANDS INVENTORY

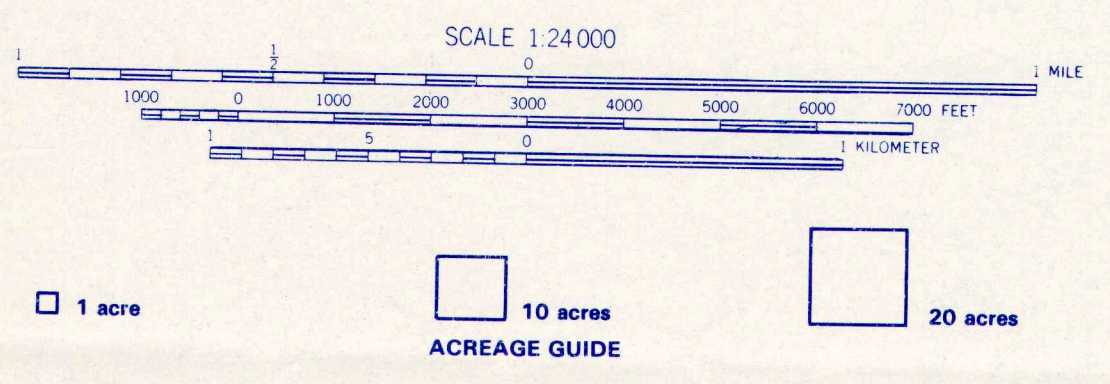
## UNITED STATES DEPARTMENT OF THE INTERIOR

NORTHFIELD, NEW HAMPSHIRE



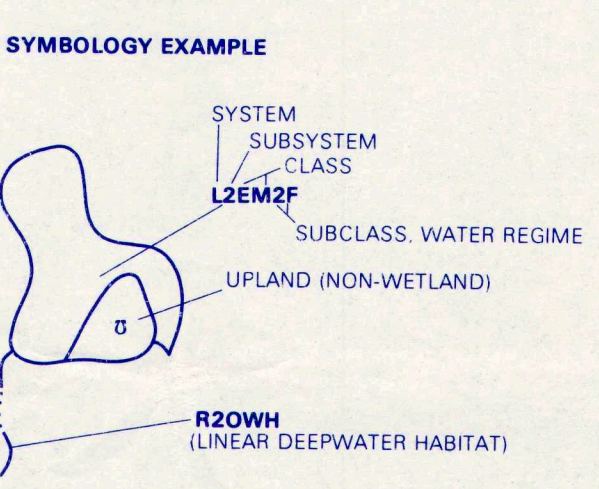
PORTLAND SW  
CONCORD

NORTHFIELD, NEW HAMPSHIRE



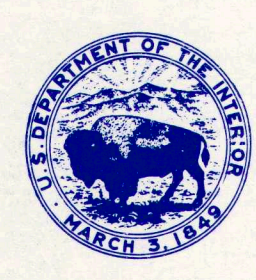
**SPECIAL NOTE**  
This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deepwater Habitats of the United States (FWS/OBS - 79/31 December 1979). The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a 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 this 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 the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the 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 specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



**NOTES TO THE USER**

- Wetlands which have been field examined are indicated on the map by an asterisk (\*).
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.
- Subsystems, Classes, Subclasses, and Water Regimes in *Ralco* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SB, R4SBW, or R4SBJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB) or Flat (FL). Subclasses remain the same in both versions.



**U.S. DEPARTMENT OF THE INTERIOR**  
**FISH AND WILDLIFE SERVICE**  
Prepared by National Wetlands Inventory  
1990

**AERIAL PHOTOGRAPHY**  
DATE: 4/85  
SCALE: 1:58,000  
TYPE: CIR

SYSTEM		M - MARINE		E - ESTUARINE		SYSTEM	
SUBSYSTEM		1 - SUBTIDAL		2 - INTERTIDAL		SUBSYSTEM	
CLASS	Subclass	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - REEF	NS - ROCKY SHORE	US - UNCONSOLIDATED SHORE
1 Bedrock	1 Cobble-Gravel	1 Algal	1 Coral	1 Bedrock	1 Cobble-Gravel	1 Bedrock	1 Persistent
2 Rubble	2 Sand	2 Aquatic Moss	2 Rotted Vascular	2 Sand	2 Mud	2 Rubble	2 Nonpersistent
	3 Mud	3 Floating Vascular	3 Unknown Submerged	3 Rubble	3 Mud	3 Mud	3 Broad-Leaved Deciduous
	4 Organic	4 Organic		4 Organic	4 Organic	4 Organic	3 Needle-Leaved Deciduous
							3 Broad-Leaved Evergreen
							4 Needle-Leaved Evergreen
							5 Deciduous Conifer
							6 Deciduous
							7 Evergreen

SYSTEM		R - RIVERINE		L - LACUSTRINE		SYSTEM	
SUBSYSTEM		1 - TIDAL		2 - LOWER PERENNIAL		SUBSYSTEM	
CLASS	Subclass	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - REEF	NS - ROCKY SHORE	US - UNCONSOLIDATED SHORE
1 Bedrock	1 Cobble-Gravel	1 Algal	1 Coral	1 Bedrock	1 Cobble-Gravel	1 Bedrock	1 Persistent
2 Rubble	2 Sand	2 Aquatic Moss	2 Rotted Vascular	2 Sand	2 Mud	2 Rubble	2 Nonpersistent
	3 Mud	3 Floating Vascular	3 Unknown Submerged	3 Rubble	3 Mud	3 Mud	3 Broad-Leaved Deciduous
	4 Organic	4 Organic		4 Organic	4 Organic	4 Organic	3 Needle-Leaved Deciduous
							3 Broad-Leaved Evergreen
							4 Needle-Leaved Evergreen
							5 Deciduous Conifer
							6 Deciduous
							7 Evergreen

SYSTEM		P - PALUSTRINE		L - LACUSTRINE		SYSTEM	
SUBSYSTEM		1 - TIDAL		2 - LOWER PERENNIAL		SUBSYSTEM	
CLASS	Subclass	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - REEF	NS - ROCKY SHORE	US - UNCONSOLIDATED SHORE
1 Bedrock	1 Cobble-Gravel	1 Algal	1 Coral	1 Bedrock	1 Cobble-Gravel	1 Bedrock	1 Persistent
2 Rubble	2 Sand	2 Aquatic Moss	2 Rotted Vascular	2 Sand	2 Mud	2 Rubble	2 Nonpersistent
	3 Mud	3 Floating Vascular	3 Unknown Submerged	3 Rubble	3 Mud	3 Mud	3 Broad-Leaved Deciduous
	4 Organic	4 Organic		4 Organic	4 Organic	4 Organic	3 Needle-Leaved Deciduous
							3 Broad-Leaved Evergreen
							4 Needle-Leaved Evergreen
							5 Deciduous Conifer
							6 Deciduous
							7 Evergreen

**MODIFIERS**

In order to more adequately describe wetland and deepwater habitats use one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The format modifier may also be applied to the ecological system.

WATER REGIME		WATER CHEMISTRY		SOIL		SPECIAL MODIFIERS	
Non-Tidal		Tidal		Coastal Salinity		Inland Salinity	
A	Temporarily Flooded	1	Artificially Flooded	1	Marine	1	Beaver
B	Seasonally Flooded	2	Intermittently Flooded	2	Estuarine	2	Partially Graded/Ditched
C	Permanently Flooded	3	Artificially Flooded	3	Marine	3	Artificial Substrate
D	Seasonally Flooded	4	Intermittently Flooded	4	Estuarine	4	Drainage
E	Permanently Flooded	5	Artificially Flooded	5	Marine	5	Drainage
F	Seasonally Flooded	6	Intermittently Flooded	6	Estuarine	6	Drainage
G	Permanently Flooded	7	Artificially Flooded	7	Marine	7	Drainage
H	Seasonally Flooded	8	Intermittently Flooded	8	Estuarine	8	Drainage
I	Permanently Flooded	9	Artificially Flooded	9	Marine	9	Drainage
J	Seasonally Flooded	10	Intermittently Flooded	10	Estuarine	10	Drainage
K	Permanently Flooded	11	Artificially Flooded	11	Marine	11	Drainage
L	Seasonally Flooded	12	Intermittently Flooded	12	Estuarine	12	Drainage
M	Permanently Flooded	13	Artificially Flooded	13	Marine	13	Drainage
N	Seasonally Flooded	14	Intermittently Flooded	14	Estuarine	14	Drainage
O	Permanently Flooded	15	Artificially Flooded	15	Marine	15	Drainage
P	Seasonally Flooded	16	Intermittently Flooded	16	Estuarine	16	Drainage
Q	Permanently Flooded	17	Artificially Flooded	17	Marine	17	Drainage
R	Seasonally Flooded	18	Intermittently Flooded	18	Estuarine	18	Drainage
S	Permanently Flooded	19	Artificially Flooded	19	Marine	19	Drainage
T	Seasonally Flooded	20	Intermittently Flooded	20	Estuarine	20	Drainage
U	Permanently Flooded	21	Artificially Flooded	21	Marine	21	Drainage
V	Seasonally Flooded	22	Intermittently Flooded	22	Estuarine	22	Drainage
W	Permanently Flooded	23	Artificially Flooded	23	Marine	23	Drainage
X	Seasonally Flooded	24	Intermittently Flooded	24	Estuarine	24	Drainage
Y	Permanently Flooded	25	Artificially Flooded	25	Marine	25	Drainage
Z	Seasonally Flooded	26	Intermittently Flooded	26	Estuarine	26	Drainage