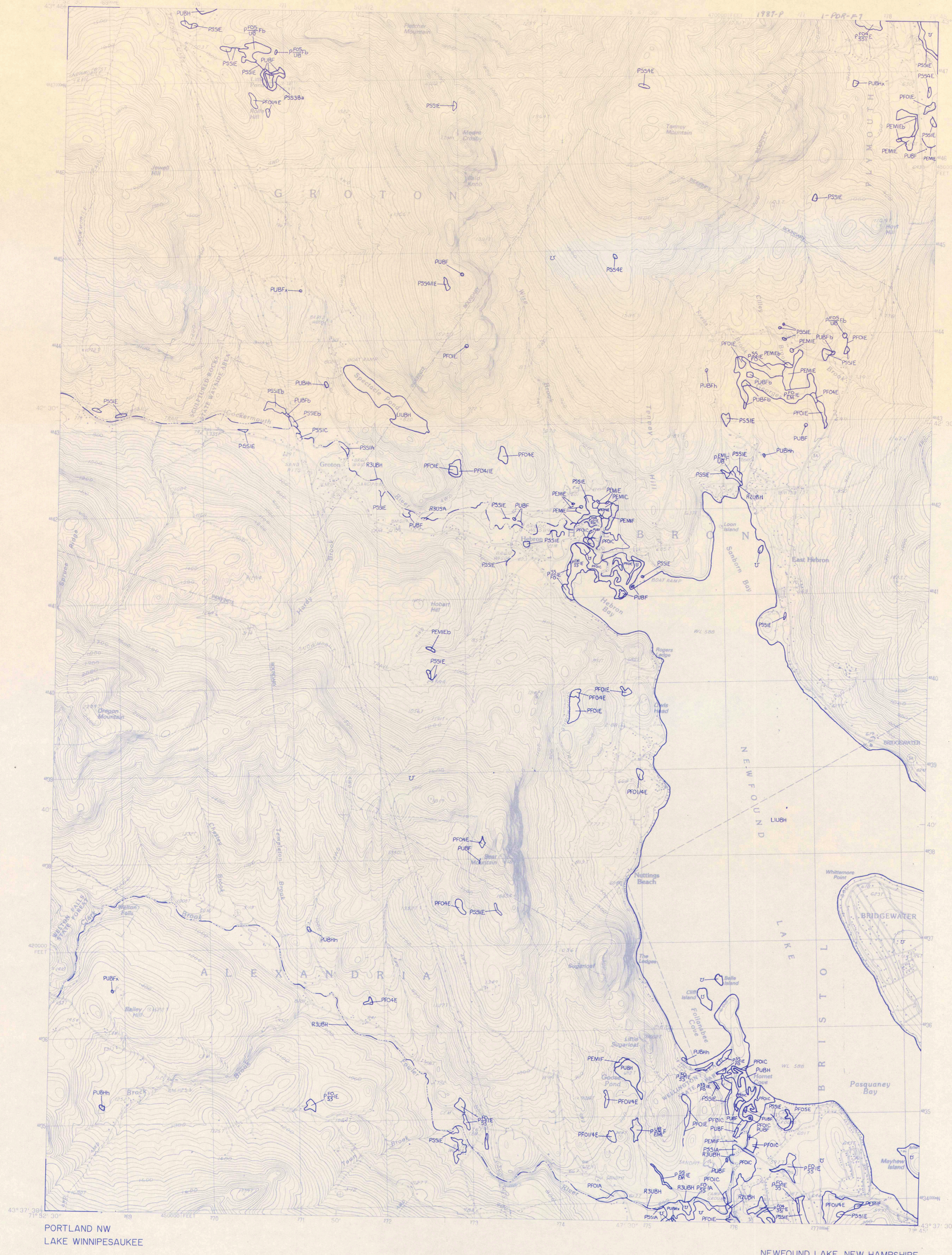


NATIONAL WETLANDS INVENTORY

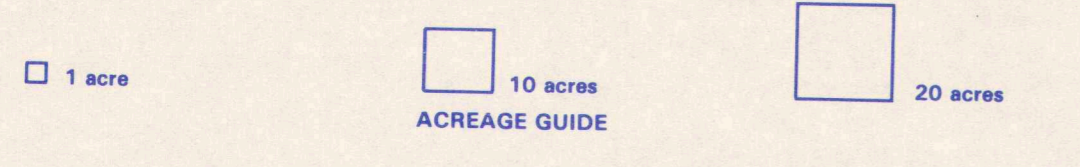
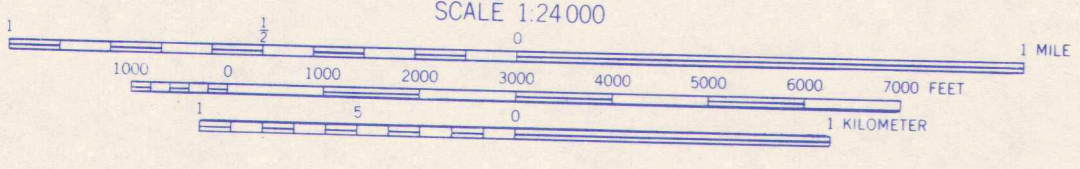
UNITED STATES DEPARTMENT OF THE INTERIOR

NEWFOUND LAKE, NEW HAMPSHIRE



PORTLAND NW
LAKE WINNIPESAUKEE

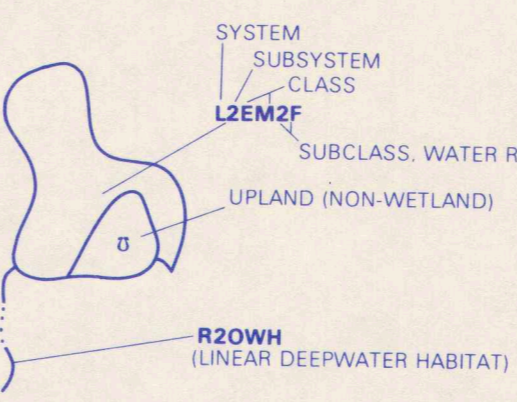
NEWFOUND LAKE, NEW HAMPSHIRE



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.

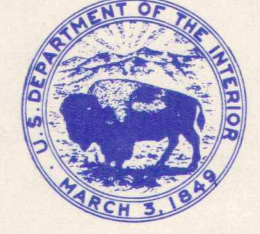
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, 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.

SYMBOLGY EXAMPLE



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 *italics* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as RASB, RASBW, OR RASBJ (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

AERIAL PHOTOGRAPHY

DATE: 5/86
SCALE: 1:58,000
TYPE: CIR

1990

SYSTEM	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	SYSTEM	1 - TIDAL	2 - LOWER PERENNIAL	3 - UPPER PERENNIAL	4 - INTERMITTENT	5 - UNKNOWN PERENNIAL	SYSTEM	1 - LIMNETIC	2 - LITTORAL	SYSTEM	
CLASS	RB - ROCK BOTTOM UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED RF - REEF OW - OPEN WATER/Unknown Bottom	AB - AQUATIC BED RF - REEF RS - ROCKY SHORE US - UNCONSOLIDATED SHORE	RB - ROCK BOTTOM UB - UNCONSOLIDATED BOTTOM AB - AQUATIC BED RF - REEF RS - ROCKY SHORE US - UNCONSOLIDATED SHORE	CLASS	RB - ROCK BOTTOM UB - UNCONSOLIDATED BOTTOM	SB - STREAMBED AB - AQUATIC BED RF - REEF RS - ROCKY SHORE US - UNCONSOLIDATED SHORE	US - UNCONSOLIDATED SHORE EM - EMERGENT SS - SCRUB SHRUB FO - FORESTED	EM - EMERGENT SS - SCRUB SHRUB FO - FORESTED	OW - OPEN WATER/Unknown Bottom	CLASS	RB - ROCK BOTTOM UB - UNCONSOLIDATED BOTTOM AB - AQUATIC BED RF - REEF RS - ROCKY SHORE US - UNCONSOLIDATED SHORE	OW - OPEN WATER/Unknown Bottom RB - ROCK BOTTOM UB - UNCONSOLIDATED BOTTOM AB - AQUATIC BED RF - REEF RS - ROCKY SHORE US - UNCONSOLIDATED SHORE	CLASS	
Subclass	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic	1 Algal 2 Rooted Vascular 3 Coral 4 Unknown Submerged	1 Algal 2 Rooted Vascular 3 Coral 4 Unknown Submerged 5 Diatoms 6 Vegetated	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic	CLASS	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Perennant 2 Nonperennant 3 Broad-Leaved Deciduous 4 Needle-Leaved Deciduous 5 Broad-Leaved Evergreen 6 Needle-Leaved Evergreen 7 Deciduous 8 Evergreen	1 Perennant 2 Nonperennant 3 Broad-Leaved Deciduous 4 Needle-Leaved Deciduous 5 Broad-Leaved Evergreen 6 Needle-Leaved Evergreen 7 Deciduous 8 Evergreen	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic	CLASS	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Perennant 2 Nonperennant 3 Broad-Leaved Deciduous 4 Needle-Leaved Deciduous 5 Broad-Leaved Evergreen 6 Needle-Leaved Evergreen 7 Deciduous 8 Evergreen	CLASS

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
*EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS. The remaining CLASSES are found in all SUBSYSTEMS.

MODIFIERS			
WATER REGIME		WATER CHEMISTRY	
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity
A. Temporarily Flooded B. Seasonally Flooded C. Regularly Flooded D. Intermittently Flooded E. Semi-permanently Flooded F. Permanently Flooded G. Intermittently Flooded H. Seasonally Flooded I. Regularly Flooded J. Intermittently Flooded K. Semi-permanently Flooded L. Permanently Flooded M. Unknown	1. Artificially Flooded 2. Seasonally Flooded 3. Regularly Flooded 4. Intermittently Flooded 5. Semi-permanently Flooded 6. Permanently Flooded 7. Unknown	1. Hypersaline 2. Saline 3. Mesohaline (Brackish) 4. Mesohaline 5. Oligohaline 6. Polyhaline 7. Hypersaline 8. Unknown	1. Hypersaline 2. Saline 3. Mesohaline (Brackish) 4. Mesohaline 5. Oligohaline 6. Polyhaline 7. Hypersaline 8. Unknown
SOIL		SPECIAL MODIFIERS	
1. Organic 2. Mineral		1. Beaver 2. Artificially Drained/Channel 3. Farmed 4. Diked/Impounded 5. Artificial Substrate 6. Scour 7. Excavated	

SYSTEM
CLASS
RB - ROCK BOTTOM
UB - UNCONSOLIDATED BOTTOM
AB - AQUATIC BED
RF - REEF
RS - ROCKY SHORE
US - UNCONSOLIDATED SHORE
EM - EMERGENT
SS - SCRUB SHRUB
FO - FORESTED
OW - OPEN WATER/Unknown Bottom

Subclass
1 Bedrock
2 Rubble
3 Cobble-Gravel
4 Sand
5 Mud
6 Organic

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