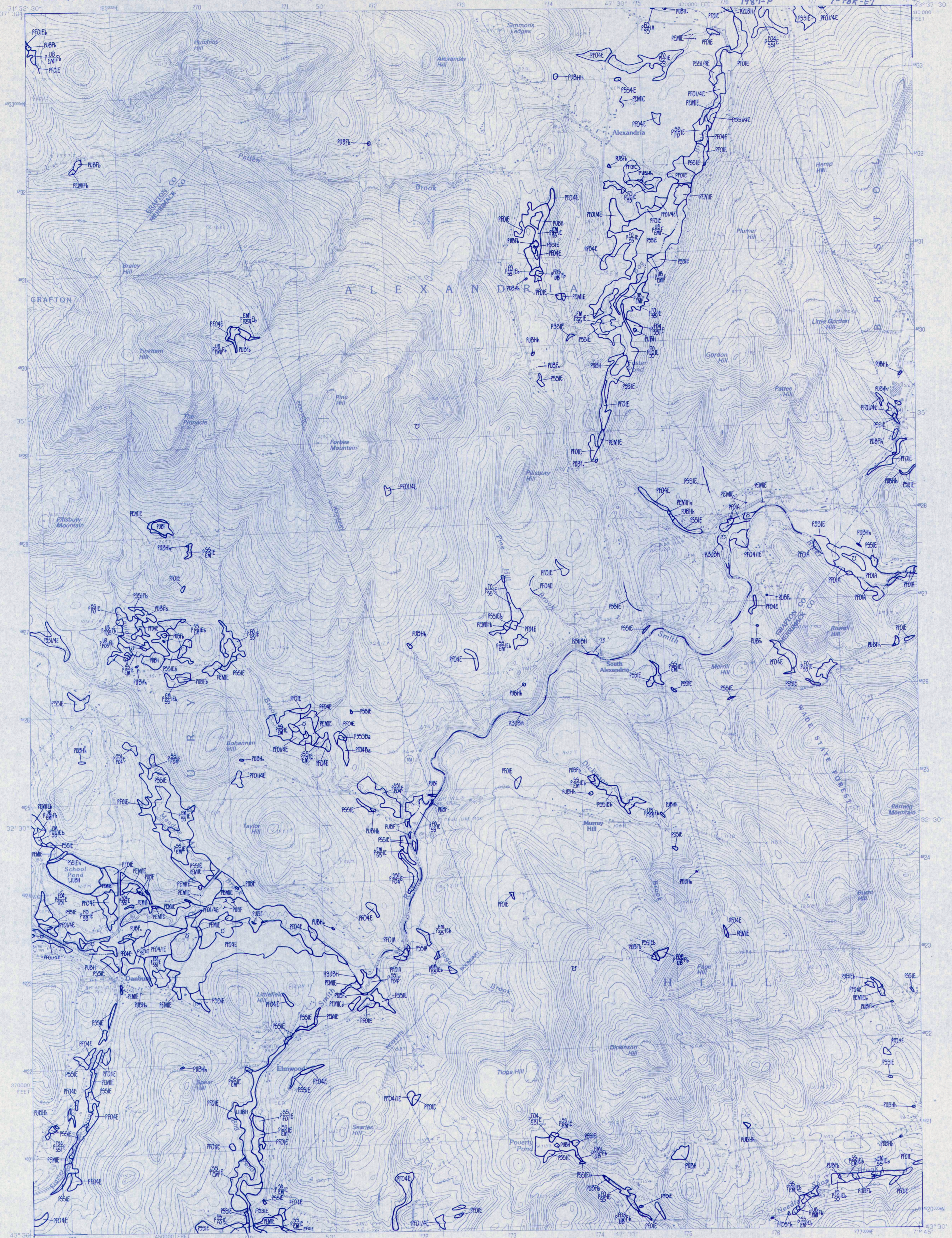


NATIONAL WETLANDS INVENTORY

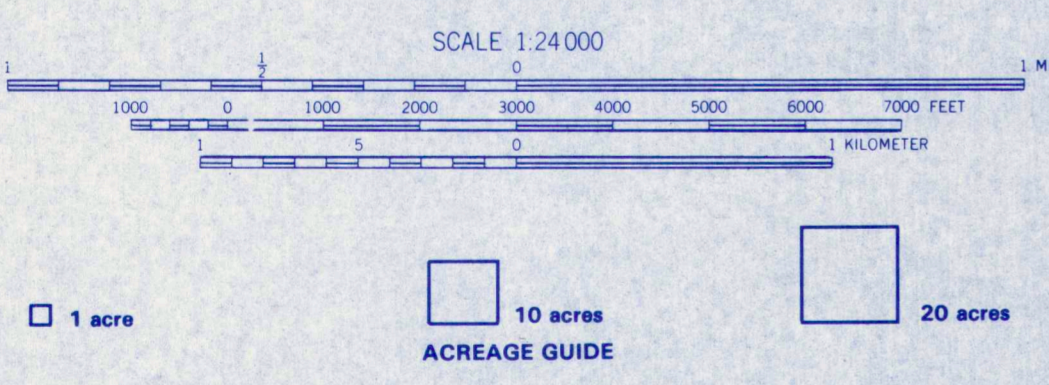
UNITED STATES DEPARTMENT OF THE INTERIOR

DANBURY, NEW HAMPSHIRE



PORTLAND NW
LAKE WINNEPESAUKEE

DANBURY, NEW HAMPSHIRE



Other information including a narrative report concerning the wetland resources depicted on this document may be available. For information, contact:

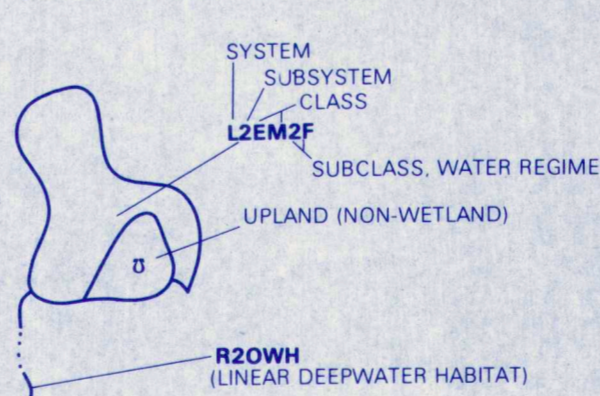
Regional Director (ARDE) Region V
U.S. Fish and Wildlife Service
1 Gateway Center, Suite 700
Newton Corner, Massachusetts 01258

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 boundaries 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



U - Primarily represents upland areas, but may include non-photo-identifiable areas and/or unintentional omissions.

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 *italic* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SBJ, 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

AERIAL PHOTOGRAPHY

DATE: 5/86 DATE: 1990
SCALE: 1:58 000 SCALE:
TYPE: CIR TYPE:

SYSTEM	M - MARINE										E - ESTUARINE										R - RIVERINE										L - LACUSTRINE										P - PALUSTRINE																								
	1 - SUBTIDAL					2 - INTERTIDAL					1 - SUBTIDAL					2 - INTERTIDAL					1 - TIDAL					2 - LOWER PERENNIAL					3 - UPPER PERENNIAL					4 - INTERMITTENT					5 - UNKNOWN PERENNIAL					1 - LIMNETIC					2 - LITTORAL					1 - TIDAL					2 - NON-TIDAL				
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	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED	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	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED	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	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED	OW - OPEN WATER/UNKNOWN BOTTOM	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	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED	OW - OPEN WATER/UNKNOWN BOTTOM	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	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED	OW - OPEN WATER/UNKNOWN BOTTOM		
SUBCLASS	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Coral 2 Worm	1 Open Water/Unknown Bottom	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Coral 2 Worm	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Perennant 2 Nonperennant	1 Broad Leaved Deciduous 2 Broad Leaved Evergreen 3 Needle Leaved Deciduous 4 Needle Leaved Evergreen 5 Deciduous 6 Evergreen	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Perennant 2 Nonperennant	1 Open Water/Unknown Bottom	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Coral 2 Worm	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Perennant 2 Nonperennant	1 Broad Leaved Deciduous 2 Broad Leaved Evergreen 3 Needle Leaved Deciduous 4 Needle Leaved Evergreen 5 Deciduous 6 Evergreen	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Perennant 2 Nonperennant	1 Open Water/Unknown Bottom	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Coral 2 Worm	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Perennant 2 Nonperennant	1 Broad Leaved Deciduous 2 Broad Leaved Evergreen 3 Needle Leaved Deciduous 4 Needle Leaved Evergreen 5 Deciduous 6 Evergreen	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Perennant 2 Nonperennant	1 Open Water/Unknown Bottom	1 Algal 2 Rooted Vascular 3 Floating Vascular 4 Organic 5 Unknown Submerged	1 Coral 2 Worm	1 Bedrock 2 Rubble 3 Sand 4 Mud 5 Organic	1 Cobble-Gravel 2 Sand 3 Muds 4 Organic	1 Perennant 2 Nonperennant	1 Broad Leaved Deciduous 2 Broad Leaved Evergreen 3 Needle Leaved Deciduous 4 Needle Leaved Evergreen 5 Deciduous 6 Evergreen																				
<p>MODIFIERS</p> <p>In order to more adequately describe wetland and deepwater habitats 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.</p> <table border="1"> <thead> <tr> <th>WATER REGIME</th> <th>WATER CHEMISTRY</th> <th>SOIL</th> <th>SPECIAL MODIFIERS</th> </tr> </thead> <tbody> <tr> <td> Non-Tidal A: Temporarily Flooded B: Seasonally Flooded C: Seasonally Flooded/Deepwater D: Seasonally Flooded/Temporary E: Seasonally Flooded/Unknown F: Intermittently Flooded G: Intermittently Flooded/Unknown H: Permanently Flooded I: Intermittently Flooded J: Intermittently Flooded/Unknown K: Artificially Flooded L: Intermittently Flooded M: Intermittently Flooded/Unknown N: Regularly Flooded O: Regularly Flooded/Unknown P: Irregularly Flooded Q: Unknown </td> <td> Tidal 1: Permanent Tidal 2: Seasonal Tidal 3: Regularly Tidal 4: Irregularly Tidal 5: Unknown </td> <td> Coastal Salinity 1: Hypersaline 2: Euxaline 3: Mesohaline (Brackish) 4: Polyhaline 5: Mesohaline 6: Oligohaline 7: Fresh </td> <td> pH Modifiers for all Fresh Water a: Acid b: Mesoneutral c: Alkaline </td> </tr> <tr> <td> 1: Organic 2: Mineral </td> <td> 1: River 2: Partially Drained/Outflow 3: Flooded 4: Diked/Impounded 5: Artificial Substrate 6: Sand 7: Excavated </td> <td colspan="2"></td> </tr> </tbody> </table> <p>*These water regimes are only used in tidally influenced, freshwater systems.</p>																																																		WATER REGIME	WATER CHEMISTRY	SOIL	SPECIAL MODIFIERS	Non-Tidal A: Temporarily Flooded B: Seasonally Flooded C: Seasonally Flooded/Deepwater D: Seasonally Flooded/Temporary E: Seasonally Flooded/Unknown F: Intermittently Flooded G: Intermittently Flooded/Unknown H: Permanently Flooded I: Intermittently Flooded J: Intermittently Flooded/Unknown K: Artificially Flooded L: Intermittently Flooded M: Intermittently Flooded/Unknown N: Regularly Flooded O: Regularly Flooded/Unknown P: Irregularly Flooded Q: Unknown	Tidal 1: Permanent Tidal 2: Seasonal Tidal 3: Regularly Tidal 4: Irregularly Tidal 5: Unknown	Coastal Salinity 1: Hypersaline 2: Euxaline 3: Mesohaline (Brackish) 4: Polyhaline 5: Mesohaline 6: Oligohaline 7: Fresh	pH Modifiers for all Fresh Water a: Acid b: Mesoneutral c: Alkaline	1: Organic 2: Mineral	1: River 2: Partially Drained/Outflow 3: Flooded 4: Diked/Impounded 5: Artificial Substrate 6: Sand 7: Excavated						
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