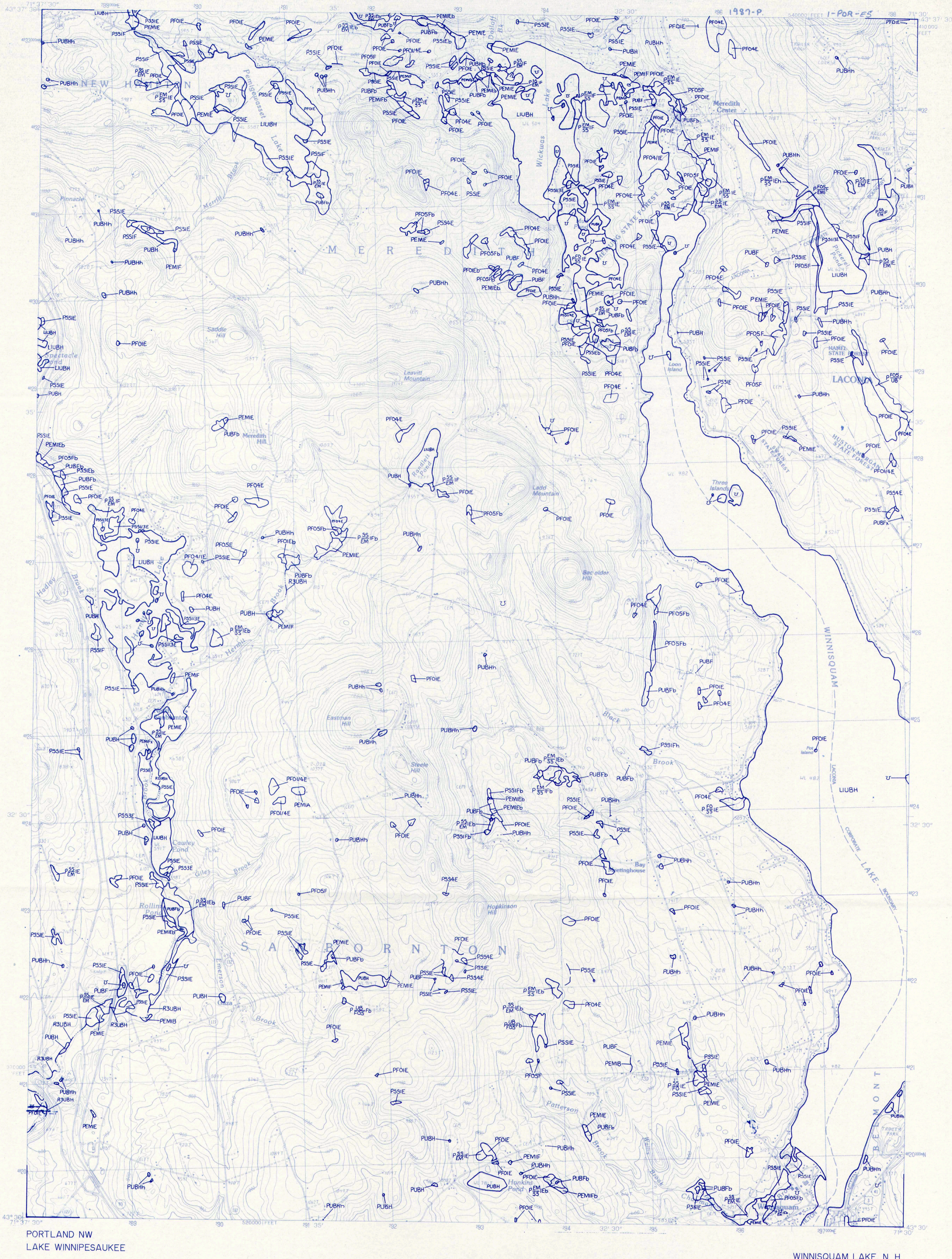


NATIONAL WETLANDS INVENTORY

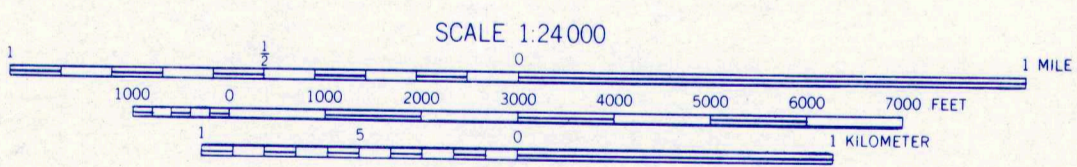
UNITED STATES DEPARTMENT OF THE INTERIOR

WINNISQUAM LAKE, N. H.



PORTLAND NW
LAKE WINNIPESAUKEE

WINNISQUAM LAKE, N. H.



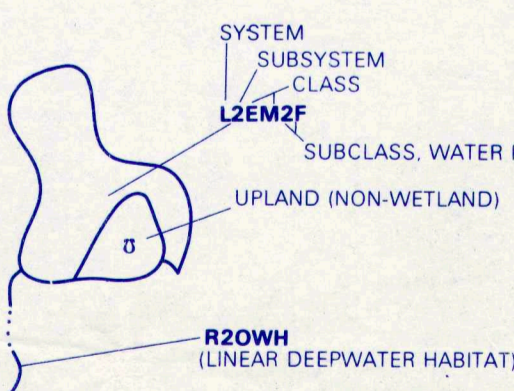
Other information including a narrative report concerning the wetland resources depicted on this document may be available. For information, contact:

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 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



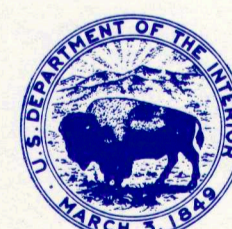
□ Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non-photo-identifiable areas and/or unintentional omissions.

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 *italics* 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 NW maps that class was designated Beach/Bar (BB), or Flat (FL). Subclasses remain the same in both versions.

AERIAL PHOTOGRAPHY

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



U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

Prepared by National Wetlands Inventory

1990

SYSTEM	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	SYSTEM											
CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	SB - STREAMBED	RS - ROCKY SHORE	US - UNCONSOLIDATED SHORE	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Acetate Mass 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Vegetated	1 Coral 2 Worm	1 Algal 2 Acetate Mass 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Vegetated	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Acetate Mass 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Vegetated	1 Permanent 2 Nonpermanent	1 Broad-Leaved Deciduous 2 Broad-Leaved Evergreen 3 Dead 4 Deciduous 5 Evergreen	1 Broad-Leaved Deciduous 2 Broad-Leaved Evergreen 3 Dead 4 Deciduous 5 Evergreen	1 Persistent 2 Nonpermanent	1 Broad-Leaved Deciduous 2 Broad-Leaved Evergreen 3 Dead 4 Deciduous 5 Evergreen	1 Broad-Leaved Deciduous 2 Broad-Leaved Evergreen 3 Dead 4 Deciduous 5 Evergreen	1 Broad-Leaved Deciduous 2 Broad-Leaved Evergreen 3 Dead 4 Deciduous 5 Evergreen	1 Broad-Leaved Deciduous 2 Broad-Leaved Evergreen 3 Dead 4 Deciduous 5 Evergreen
SYSTEM	R - RIVERINE					SYSTEM										
SUBSYSTEM	1 - TIDAL	2 - LOWER PERENNIAL	3 - UPPER PERENNIAL	4 - INTERMITTENT	5 - UNKNOWN PERENNIAL	SYSTEM										
CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	SB - STREAMBED	AB - AQUATIC BED	RF - ROCKY SHORE	US - UNCONSOLIDATED SHORE	**EM - EMERGENT	OW - OPEN WATER/UNKNOWN BOTTOM	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - ROCKY SHORE	US - UNCONSOLIDATED SHORE	EM - EMERGENT	OW - OPEN WATER/UNKNOWN BOTTOM	CLASS
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Algal 2 Acetate Mass 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Vegetated	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpermanent	1 Broad-Leaved Deciduous 2 Broad-Leaved Evergreen 3 Dead 4 Deciduous 5 Evergreen	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Acetate Mass 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Vegetated	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	2 Nonpermanent	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	Subclass
SYSTEM	L - LACUSTRINE					SYSTEM										
SUBSYSTEM	1 - LIMNETIC		2 - LITTORAL			SYSTEM										
CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - ROCKY SHORE	US - UNCONSOLIDATED SHORE	EM - EMERGENT	OW - OPEN WATER/UNKNOWN BOTTOM	CLASS								
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Acetate Mass 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Vegetated	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	2 Nonpermanent	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	Subclass								
*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																
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 termed modifier may also be applied to the ecological system.																
WATER REGIME		WATER CHEMISTRY		SOIL		SPECIAL MODIFIERS										
Non-Tidal A. Temporally Flooded B. Permanently Flooded C. Seasonally Flooded D. Seasonally Flooded E. Seasonally Flooded F. Seasonally Flooded G. Intermittently Flooded H. Intermittently Flooded I. Artificially Flooded J. Intermittently Flooded K. Artificially Flooded L. Intermittently Flooded M. Intermittently Flooded N. Intermittently Flooded O. Intermittently Flooded P. Intermittently Flooded Q. Intermittently Flooded R. Intermittently Flooded S. Intermittently Flooded T. Intermittently Flooded U. Intermittently Flooded		Tidal 1. Hypersaline 2. Hypersaline 3. Hypersaline 4. Hypersaline 5. Hypersaline 6. Hypersaline 7. Hypersaline 8. Hypersaline 9. Hypersaline 10. Hypersaline 11. Hypersaline 12. Hypersaline 13. Hypersaline 14. Hypersaline 15. Hypersaline 16. Hypersaline 17. Hypersaline 18. Hypersaline 19. Hypersaline 20. Hypersaline 21. Hypersaline 22. Hypersaline 23. Hypersaline 24. Hypersaline 25. Hypersaline 26. Hypersaline 27. Hypersaline 28. Hypersaline 29. Hypersaline 30. Hypersaline 31. Hypersaline 32. Hypersaline 33. Hypersaline 34. Hypersaline 35. Hypersaline 36. Hypersaline 37. Hypersaline 38. Hypersaline 39. Hypersaline 40. Hypersaline 41. Hypersaline 42. Hypersaline 43. Hypersaline 44. Hypersaline 45. Hypersaline 46. Hypersaline 47. Hypersaline 48. Hypersaline 49. Hypersaline 50. Hypersaline 51. Hypersaline 52. Hypersaline 53. Hypersaline 54. Hypersaline 55. Hypersaline 56. Hypersaline 57. Hypersaline 58. Hypersaline 59. Hypersaline 60. Hypersaline 61. Hypersaline 62. Hypersaline 63. Hypersaline 64. Hypersaline 65. Hypersaline 66. Hypersaline 67. Hypersaline 68. Hypersaline 69. Hypersaline 70. Hypersaline 71. Hypersaline 72. Hypersaline 73. Hypersaline 74. Hypersaline 75. Hypersaline 76. Hypersaline 77. Hypersaline 78. Hypersaline 79. Hypersaline 80. Hypersaline 81. Hypersaline 82. Hypersaline 83. Hypersaline 84. Hypersaline 85. Hypersaline 86. Hypersaline 87. Hypersaline 88. Hypersaline 89. Hypersaline 90. Hypersaline 91. Hypersaline 92. Hypersaline 93. Hypersaline 94. Hypersaline 95. Hypersaline 96. Hypersaline 97. Hypersaline 98. Hypersaline 99. Hypersaline 100. Hypersaline		Coastal Salinity 1. Hypersaline 2. Hypersaline 3. Hypersaline 4. Hypersaline 5. Hypersaline 6. Hypersaline 7. Hypersaline 8. Hypersaline 9. Hypersaline 10. Hypersaline 11. Hypersaline 12. Hypersaline 13. Hypersaline 14. Hypersaline 15. Hypersaline 16. Hypersaline 17. Hypersaline 18. Hypersaline 19. Hypersaline 20. Hypersaline 21. Hypersaline 22. Hypersaline 23. Hypersaline 24. Hypersaline 25. Hypersaline 26. Hypersaline 27. Hypersaline 28. Hypersaline 29. Hypersaline 30. Hypersaline 31. Hypersaline 32. Hypersaline 33. Hypersaline 34. Hypersaline 35. Hypersaline 36. Hypersaline 37. Hypersaline 38. Hypersaline 39. Hypersaline 40. Hypersaline 41. Hypersaline 42. Hypersaline 43. Hypersaline 44. Hypersaline 45. Hypersaline 46. Hypersaline 47. Hypersaline 48. Hypersaline 49. Hypersaline 50. Hypersaline 51. Hypersaline 52. Hypersaline 53. Hypersaline 54. Hypersaline 55. Hypersaline 56. Hypersaline 57. Hypersaline 58. Hypersaline 59. Hypersaline 60. Hypersaline 61. Hypersaline 62. Hypersaline 63. Hypersaline 64. Hypersaline 65. Hypersaline 66. Hypersaline 67. Hypersaline 68. Hypersaline 69. Hypersaline 70. Hypersaline 71. Hypersaline 72. Hypersaline 73. Hypersaline 74. Hypersaline 75. Hypersaline 76. Hypersaline 77. Hypersaline 78. Hypersaline 79. Hypersaline 80. Hypersaline 81. Hypersaline 82. Hypersaline 83. Hypersaline 84. Hypersaline 85. Hypersaline 86. Hypersaline 87. Hypersaline 88. Hypersaline 89. Hypersaline 90. Hypersaline 91. Hypersaline 92. Hypersaline 93. Hypersaline 94. Hypersaline 95. Hypersaline 96. Hypersaline 97. Hypersaline 98. Hypersaline 99. Hypersaline 100. Hypersaline		pH Modifiers for all Fresh Water A. Acid B. Alkaline C. Circumneutral D. Alkaline		0 Organic 1 Mosaic 2 Beaver 3 Partially Drained/Drilled 4 Filled 5 Other/Impounded 6 Artificial Substrate 7 Sand 8 Silt 9 Other								