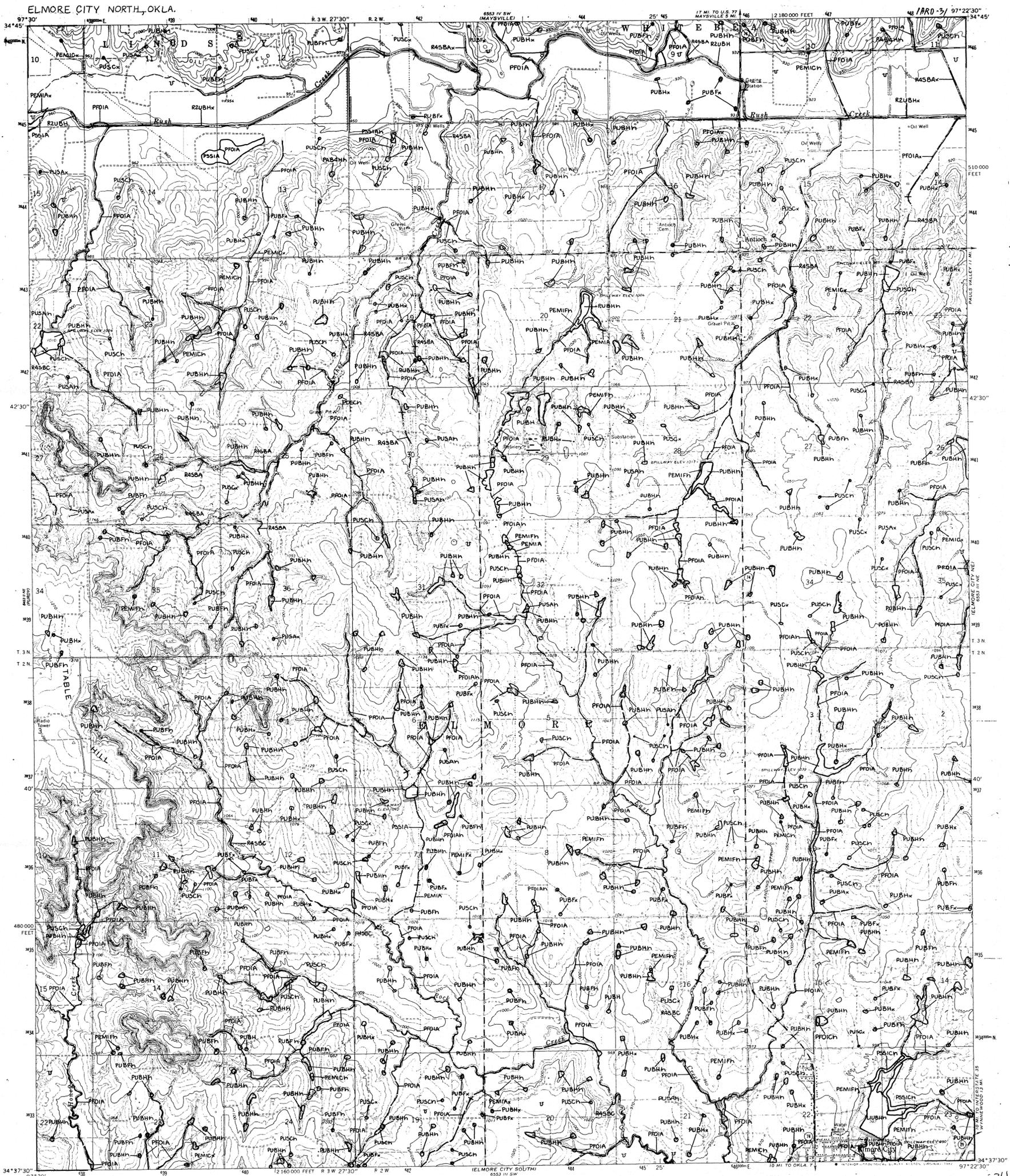
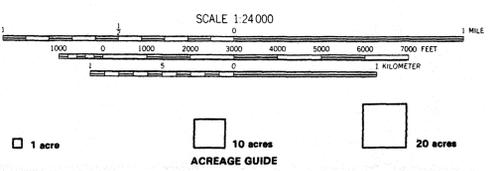


NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



3497-423



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

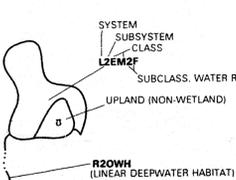
Regional Director (ARDE) Region II
U.S. Fish and Wildlife Service
P.O. Box 1306
Albuquerque, New Mexico 87103

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 (RWS/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 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.

AERIAL PHOTOGRAPHY

DATE: 9/81
SCALE: 1:58,000
TYPE: CIR



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

Prepared by National Wetlands Inventory

1989

SYSTEM	M - MARINE										E - ESTUARINE										SYSTEM				
SUBSYSTEM	1 - SUBTIDAL					2 - INTERTIDAL					1 - SUBTIDAL					2 - INTERTIDAL					SUBSYSTEM				
CLASS	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	CLASS				
Subclass	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Rhizoid 3 Rooted Vascular 4 Unknown Submergent	1 Coral 2 Sponges 3 Worms	1 Open Water 2 Unknown Bottom	1 Algal 2 Rhizoid 3 Rooted Vascular 4 Unknown Submergent	1 Coral 2 Sponges 3 Worms	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Rhizoid Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Molluscs 3 Worms	1 Algal 2 Rhizoid Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Emergent 2 Nonemergent	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Deciduous 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Deciduous 6 Deciduous 7 Evergreen	Subclass			
SYSTEM	R - RIVERINE										L - LACUSTRINE										SYSTEM				
SUBSYSTEM	1 - TIDAL		2 - LOWER PERENNIAL			3 - UPPER PERENNIAL			4 - INTERMITTENT		5 - UNKNOWN PERENNIAL		1 - LIMNETIC					2 - LITTORAL					SUBSYSTEM		
CLASS	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	CLASS
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Rhizoid 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Open Water 2 Unknown Bottom	1 Algal 2 Rhizoid 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Aquatic Moss 2 Sand 3 Rhizoid 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Algal 2 Rhizoid 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Rhizoid 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Aquatic Moss 2 Sand 3 Rhizoid 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Emergent 2 Nonemergent	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Rhizoid 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Aquatic Moss 2 Sand 3 Rhizoid 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Emergent 2 Nonemergent	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Deciduous 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Deciduous 6 Deciduous 7 Evergreen	Subclass			
SYSTEM	P - PALUSTRINE										L - LACUSTRINE										SYSTEM				
CLASS	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	US - UNCONSOLIDATED BOTTOM	AS - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom	CLASS
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MODIFIERS			
WATER REGIME		WATER CHEMISTRY	
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity
A. Permanently Flooded B. Seasonally Flooded C. Regularly Flooded D. Seasonally Flooded/Unflooded E. Seasonally Flooded/Seasonally Unflooded F. Intermittently Flooded G. Intermittently Flooded/Unflooded H. Unknown	H. Artificially Flooded I. Seasonally Flooded J. Regularly Flooded K. Intermittently Flooded L. Regularly Flooded M. Intermittently Flooded N. Regularly Flooded O. Intermittently Flooded P. Unknown	1. Hypersaline 2. Euryhaline 3. Polyhaline (Freshwater) 4. Polyhaline 5. Oligohaline 6. Fresh	1. Hypersaline 2. Euryhaline 3. Polyhaline 4. Polyhaline 5. Oligohaline 6. Fresh
*These water regimes are only used in tidal, saltwater, freshwater systems.		*These water regimes are only used in tidal, saltwater, freshwater systems.	