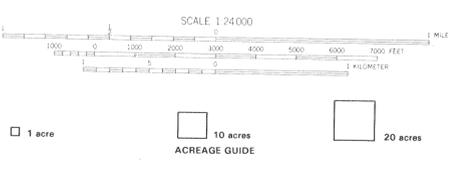
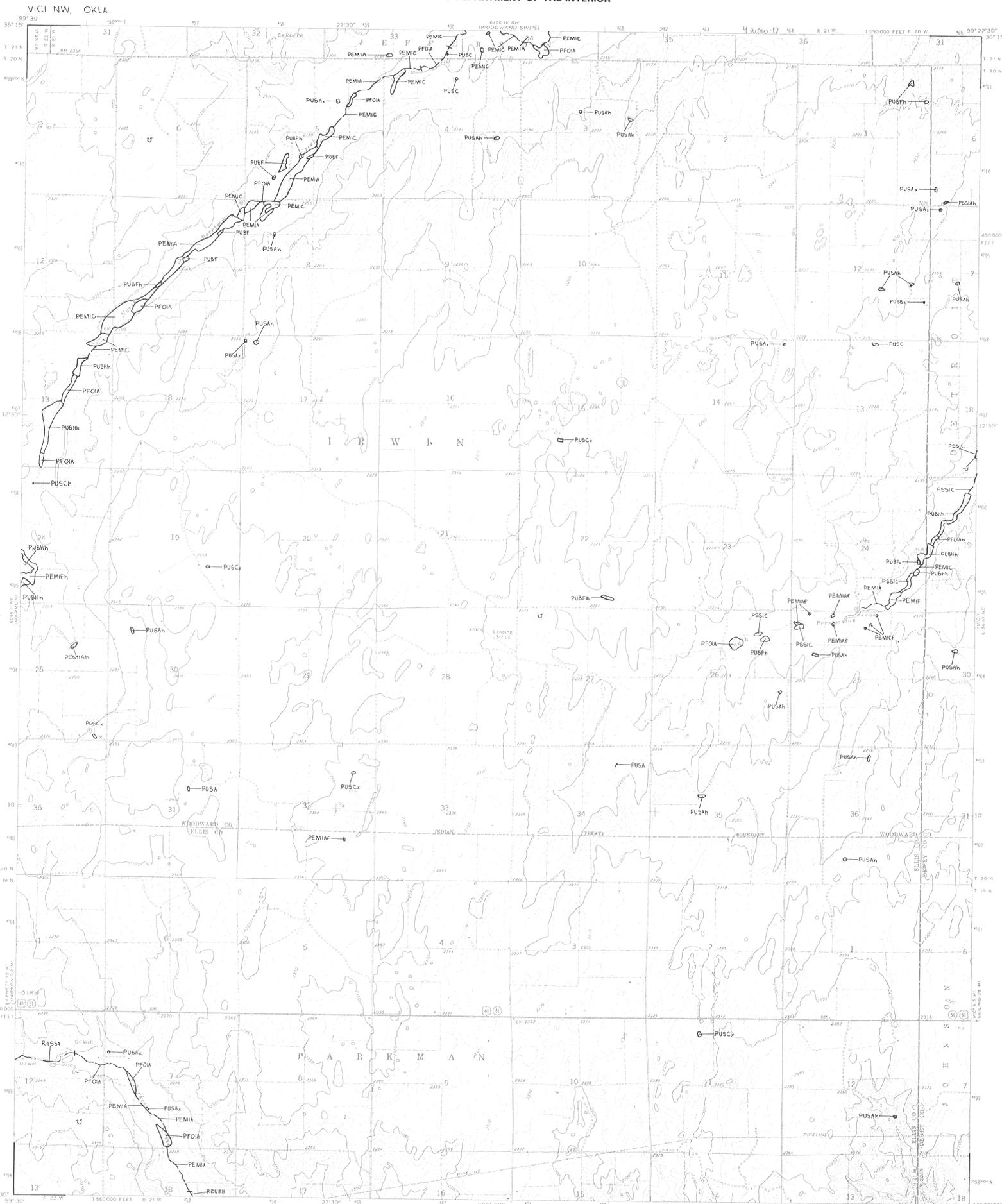


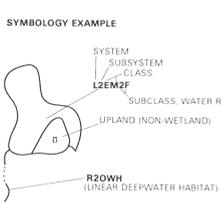
# NATIONAL WETLANDS INVENTORY

## UNITED STATES DEPARTMENT OF THE INTERIOR



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

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**

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

**AERIAL PHOTOGRAPHY**  
DATE: 11/83  
SCALE: 1:58,000  
TYPE: CIR

1987

VICI NW, OKLA. 3699-123



SYSTEM	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	SYSTEM
<b>M - MARINE</b>	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: AB - AQUATIC BED, HF - REEF, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Algal, 2 Coral, 3 Rubble, 4 Cobble Gravel, 5 Rhizoid Vascular, 6 Unknown Submerged, 7 Worm, 8 Vegetation	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: AB - AQUATIC BED, HF - REEF, SB - STREAMBED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Cobble Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Rhizoid Vascular, 6 Floating Vascular, 7 Unknown Submerged, 8 Organic	<b>SYSTEM</b>
<b>R - RIVERINE</b>	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: 'SB' - STREAMBED, AB - AQUATIC BED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged, 9 Vegetation	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: AB - AQUATIC BED, HF - REEF, SB - STREAMBED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Cobble Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Rhizoid Vascular, 6 Floating Vascular, 7 Unknown Submerged, 8 Organic	<b>SYSTEM</b>
<b>L - LACUSTRINE</b>	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: AB - AQUATIC BED, HF - REEF, SB - STREAMBED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Cobble Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Rhizoid Vascular, 6 Floating Vascular, 7 Unknown Submerged, 8 Organic	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: AB - AQUATIC BED, HF - REEF, SB - STREAMBED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Cobble Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Rhizoid Vascular, 6 Floating Vascular, 7 Unknown Submerged, 8 Organic	<b>SYSTEM</b>
<b>P - PALUSTRINE</b>	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: 'SB' - STREAMBED, AB - AQUATIC BED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged, 9 Vegetation	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, HF - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Mud, 5 Algal, 6 Rhizoid Vascular, 7 Floating Vascular, 8 Unknown Submerged	CLASS: AB - AQUATIC BED, HF - REEF, SB - STREAMBED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Cobble Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Rhizoid Vascular, 6 Floating Vascular, 7 Unknown Submerged, 8 Organic	<b>SYSTEM</b>

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 format modifier may also be applied to the ecological system.			
WATER REGIME		SOIL	
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity
A. Temporarily Flooded B. Seasonally Flooded C. Permanently Flooded D. Intermittently Flooded E. Artificially Flooded F. Seasonally Flooded G. Permanently Flooded H. Intermittently Flooded	K. Artificially Flooded L. Subtidal M. Regularly Flooded N. Intermittently Flooded O. Permanently Flooded P. Regularly Flooded Q. Intermittently Flooded R. Permanently Flooded S. Seasonally Flooded T. Unknown	1. Hypersaline 2. Euryhaline 3. Mesohaline 4. Oligohaline 5. Polyhaline 6. Fresh	7. Hypersaline 8. Euryhaline 9. Mesohaline 10. Oligohaline 11. Polyhaline 12. Fresh
*These water regimes are only used in highly influenced freshwater systems.		SOIL: 1. Organic, 2. Mineral, 3. Peat, 4. Mire, 5. Silt, 6. Sand, 7. Clay, 8. Saline, 9. Acid, 10. Alkaline	
SPECIAL MODIFIERS: 1. Bare, 2. Partially Drained/Drained, 3. Filled, 4. Excavated, 5. Dredged/Impounded, 6. Artificially Substrated, 7. Sand			