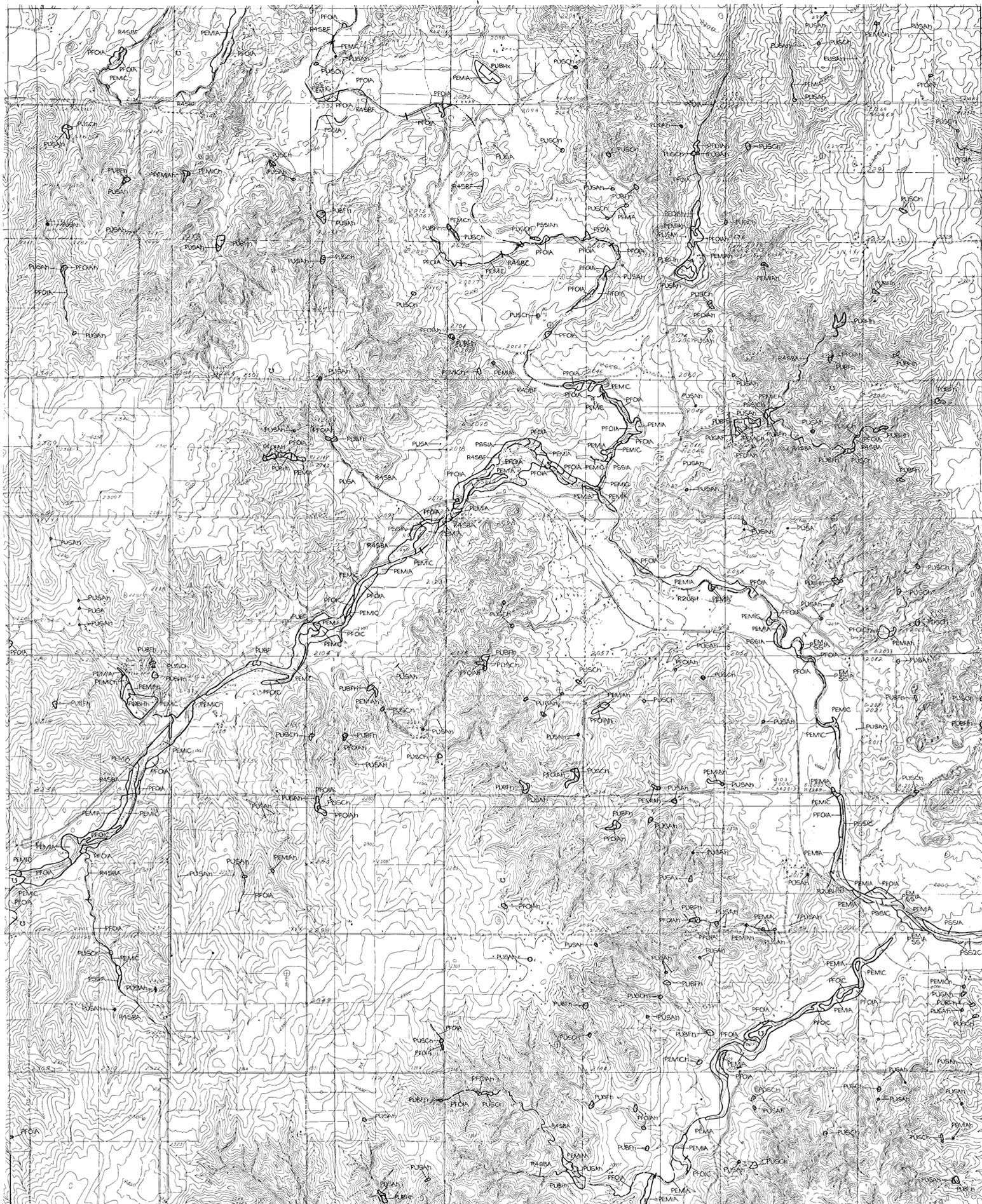


# NATIONAL WETLANDS INVENTORY

## UNITED STATES DEPARTMENT OF THE INTERIOR

**MACKIE**  
R2522000, OKLA.



CLINTON NW  
FOSS RESERVOIR

MACKIE  
R2522000, OKLA.  
3599-324



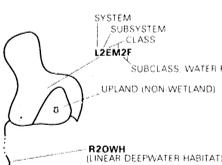
Other information including a narrative report concerning the wetland resources depicted on this document may be available. For information, contact:

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 (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 *Raffles* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R25B, R25BW, OR R25BJ (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 11/83 DATE \_\_\_\_\_  
SCALE 1:58,000 SCALE \_\_\_\_\_  
TYPE CIR TYPE \_\_\_\_\_

SYSTEM	M - MARINE	E - ESTUARINE	R - RIVERINE	L - LACUSTRINE	SYSTEM	
SUBSYSTEM	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	SUBSYSTEM	
CLASS	RB - ROCK BOTTOM UR - 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 UR - 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 UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED RF - REEF OW - OPEN WATER/Unknown Bottom	CLASS
Subclass	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Unknown Submerged 5 Unknown Submerged	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Unknown Submerged 5 Unknown Submerged	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	Subclass
SYSTEM	1 - TIDAL	2 - LOWER PERENNIAL	3 - UPPER PERENNIAL	4 - INTERMITTENT	5 - UNKNOWN PERENNIAL	SYSTEM
CLASS	RB - ROCK BOTTOM UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED RF - REEF OW - OPEN WATER/Unknown Bottom	SB - STREAMBED AB - AQUATIC BED RF - REEF OW - OPEN WATER/Unknown Bottom	RS - ROCKY SHORE US - UNCONSOLIDATED SHORE	EM - EMERGENT OW - OPEN WATER/Unknown Bottom	RB - ROCK BOTTOM UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED RF - REEF OW - OPEN WATER/Unknown Bottom	CLASS
Subclass	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	1 Nonperennial 2 Emergent	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	Subclass
SYSTEM	P - PALUSTRINE					SYSTEM
CLASS	RB - ROCK BOTTOM UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED US - UNCONSOLIDATED MOSS/US - UNCONSOLIDATED LICHEN EM - EMERGENT SS - SCOUR/SHRUB FO - FORESTED OW - OPEN WATER/Unknown Bottom	UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED US - UNCONSOLIDATED MOSS/US - UNCONSOLIDATED LICHEN EM - EMERGENT SS - SCOUR/SHRUB FO - FORESTED OW - OPEN WATER/Unknown Bottom	UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED US - UNCONSOLIDATED MOSS/US - UNCONSOLIDATED LICHEN EM - EMERGENT SS - SCOUR/SHRUB FO - FORESTED OW - OPEN WATER/Unknown Bottom	UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED US - UNCONSOLIDATED MOSS/US - UNCONSOLIDATED LICHEN EM - EMERGENT SS - SCOUR/SHRUB FO - FORESTED OW - OPEN WATER/Unknown Bottom	UR - UNCONSOLIDATED BOTTOM AB - AQUATIC BED US - UNCONSOLIDATED MOSS/US - UNCONSOLIDATED LICHEN EM - EMERGENT SS - SCOUR/SHRUB FO - FORESTED OW - OPEN WATER/Unknown Bottom	CLASS
Subclass	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	1 Nonperennial 2 Emergent	1 Beach 2 Rubble 3 Cobble Gravel 4 Sand 5 Mud 6 Organic	Subclass
<b>MODIFIERS</b> In order to more adequately describe the 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.						
<b>WATER REGIME</b>						
<b>Non-Tidal</b>						
<b>Tidal</b>						
<b>WATER CHEMISTRY</b>						
<b>SOIL</b>						
<b>SPECIAL MODIFIERS</b>						