

# NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

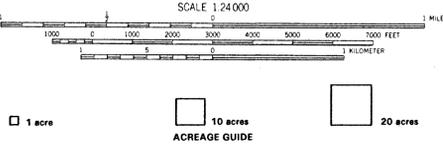
CARPENTER  
FEDERAL GOVERNMENT, OKLA.



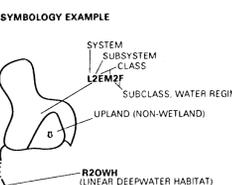
CLINTON NW  
FOSS RESERVOIR

35°30'00"  
99°15'00"

CARPENTER  
FEDERAL GOVERNMENT, OKLA. 3599-421



**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.



**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 invited. 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) (UNCONSOLIDATED STREAMS) may not meet the definition of wetland.  
• 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  
1989

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

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

SYSTEM	1 - TIDAL	2 - LOWER PERENNIAL	3 - UPPER PERENNIAL	4 - INTERMITTENT	5 - UNKNOWN PERENNIAL	SYSTEM	1 - LIMNETIC	2 - LITTORAL	SYSTEM	
CLASS	R8 - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	SB - STREAMBED	AB - AQUATIC BED	RS - ROCKY SHORE	US - UNCONSOLIDATED SHORE	EM - EMERGENT	OW - OPEN WATER/UNKNOWN BOTTOM	CLASS	
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble Gravel 2 Sand 3 Muds 4 Organic	1 Bedrock 2 Rubble 3 Mud 4 Organic 5 Vegetated	1 Algal 2 Aquatic Mass 3 Round Vascular 4 Floating Vascular 5 Unknown Submerged	1 Algal 2 Aquatic Mass 3 Round Vascular 4 Floating Vascular 5 Unknown Submerged	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble Gravel 2 Sand 3 Muds 4 Organic	1 Algal 2 Aquatic Mass 3 Round Vascular 4 Floating Vascular 5 Unknown Submerged	1 Bedrock 2 Rubble 3 Mud 4 Organic 5 Vegetated	Subclass
CLASS	R8 - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	SB - STREAMBED	AB - AQUATIC BED	RS - ROCKY SHORE	US - UNCONSOLIDATED SHORE	EM - EMERGENT	OW - OPEN WATER/UNKNOWN BOTTOM	CLASS	
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WATER REGIME	WATER CHEMISTRY	SOIL	SPECIAL MODIFIERS
<b>Non-Tidal</b> A Temporarily Flooded B Intermittently Flooded C Regularly Flooded D Seasonally Flooded E Intermittently Flooded F Intermittently Flooded G Intermittently Flooded H Intermittently Flooded I Intermittently Flooded J Intermittently Flooded K Artificially Flooded L Subtidal M Intermittently Flooded N Regularly Flooded O Regularly Flooded P Intermittently Flooded Q Intermittently Flooded R Intermittently Flooded S Intermittently Flooded T Intermittently Flooded U Unknown	<b>Tidal</b> K Artificially Flooded L Subtidal M Intermittently Flooded N Regularly Flooded O Regularly Flooded P Intermittently Flooded Q Intermittently Flooded R Intermittently Flooded S Intermittently Flooded T Intermittently Flooded U Unknown <b>Coastal Halinity</b> 1 Hypersaline 2 Subsaline 3 Euryhaline 4 Mesohaline 5 Polyhaline 6 Oligohaline 7 Fresh <b>Inland Salinity</b> 1 Hypersaline 2 Subsaline 3 Euryhaline 4 Mesohaline 5 Polyhaline 6 Oligohaline 7 Fresh <b>pH Modifiers for all Fresh Water</b> 1 Acid 2 Alkaline 3 Mesoneutral 4 Fresh	<b>SOIL</b> 1 Organic 2 Mineral 3 Mixed 4 Other	<b>SPECIAL MODIFIERS</b> a River b Partially Drained/Ditched c Filled d Diked/Impounded e Artificial Substrate f Sand g Other h Other