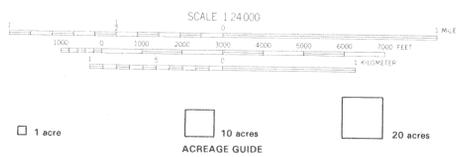
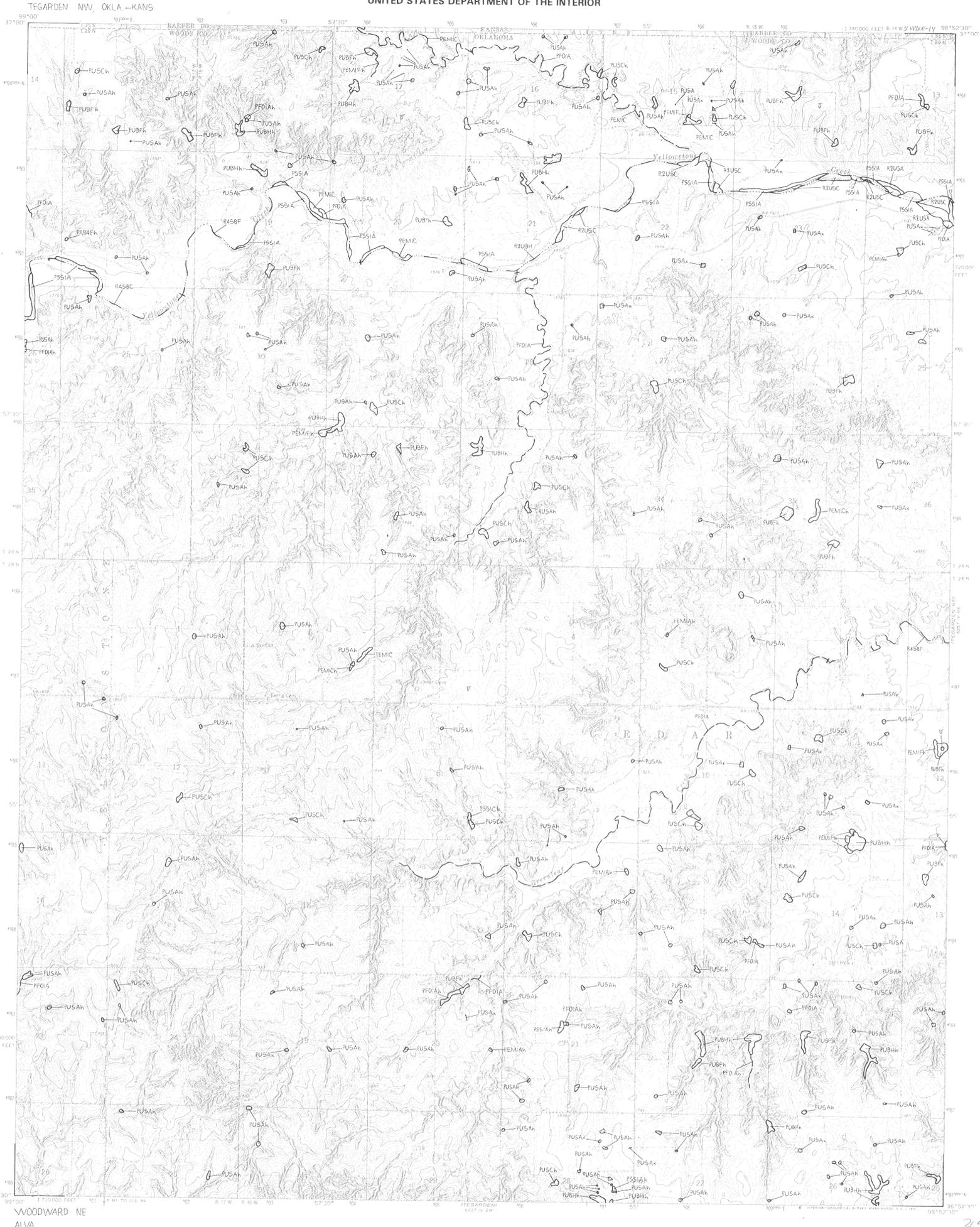


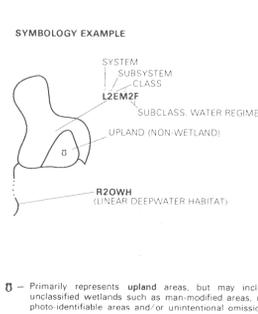
NATIONAL WETLANDS INVENTORY

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 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 solicited. Please forward such information to the address indicated.
- Subsystems, Classes, Subclasses, and Water Regimes in this map 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 NWS 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
1987

AERIAL PHOTOGRAPHY
DATE: 10/81
SCALE: 1:58,000
TYPE: CTR

SYSTEM	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	SYSTEM
M - MARINE	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Sand, 5 Mud, 6 Organic	CLASS: AB - AQUATIC BED, RR - REEF, OW - OPEN WATER/Unknown Bottom Subclass: 1 Algal, 2 Rooted/Vascular, 3 Rooted/Vascular, 4 Coral, 5 Unknown Submergent	CLASS: AB - AQUATIC BED, RR - REEF, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE Subclass: 1 Algal, 2 Rooted/Vascular, 3 Mud, 4 Rubble, 5 Cobble Gravel, 6 Sand, 7 Mud, 8 Organic	CLASS: AB - AQUATIC BED, RR - REEF, SB - STREAMBED, RS - ROCKY SHORE, US - UNCONSOLIDATED SHORE, EM - EMERGENT, SS - SCRUB SWAMP, FO - FORESTED Subclass: 1 Algal, 2 Rooted/Vascular, 3 Rooted/Vascular, 4 Coral, 5 Unknown Submergent, 6 Streambed, 7 Rubble, 8 Cobble Gravel, 9 Sand, 10 Mud, 11 Organic	
R - RIVERINE	CLASS: 1 - TIDAL, 2 - LOWER PERENNIAL, 3 - UPPER PERENNIAL, 4 - INTERMITTENT, 5 - UNKNOWN PERENNIAL Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Sand, 5 Mud, 6 Organic, 7 Vegetated	CLASS: 1 - LIMNETIC, 2 - LITTORAL Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Sand, 5 Mud, 6 Organic, 7 Vegetated			
P - PALUSTRINE	CLASS: RB - ROCK BOTTOM, UB - UNCONSOLIDATED BOTTOM, AB - AQUATIC BED, US - UNCONSOLIDATED SHORE, ML - MOSS LICHEN, EM - EMERGENT, SS - SCRUB SWAMP, FO - FORESTED, OW - OPEN WATER/Unknown Bottom Subclass: 1 Bedrock, 2 Rubble, 3 Cobble Gravel, 4 Sand, 5 Mud, 6 Organic, 7 Vegetated, 8 Moss/Lichen, 9 Emergent, 10 Scrub Swamp, 11 Forested, 12 Open Water				

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		WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal	Inland	pH	Modifiers for all Fresh Water
A Temporally Flooded B Seasonally Flooded C Permanently Flooded D Well Drained E Seasonally Flooded F Seasonally Flooded G Intermittently Flooded H Intermittently Flooded	H Permanently Flooded I Artificially Flooded M Impulsively Exposed N Regularly Exposed O Irregularly Flooded P Regularly Flooded U Unknown	K Artificially Flooded L Subtidal M Impulsively Exposed N Regularly Exposed O Irregularly Flooded P Regularly Flooded U Unknown	1 Hypersaline 2 Euryhaline 3 Mesohaline (Brackish) 4 Mesohaline 5 Mesohaline 6 Fresh	1 Acid 2 Alkaline 3 Acid 4 Alkaline	1 Diked/Impounded 2 Artificial Substrate 3 Spill 4 Excavated