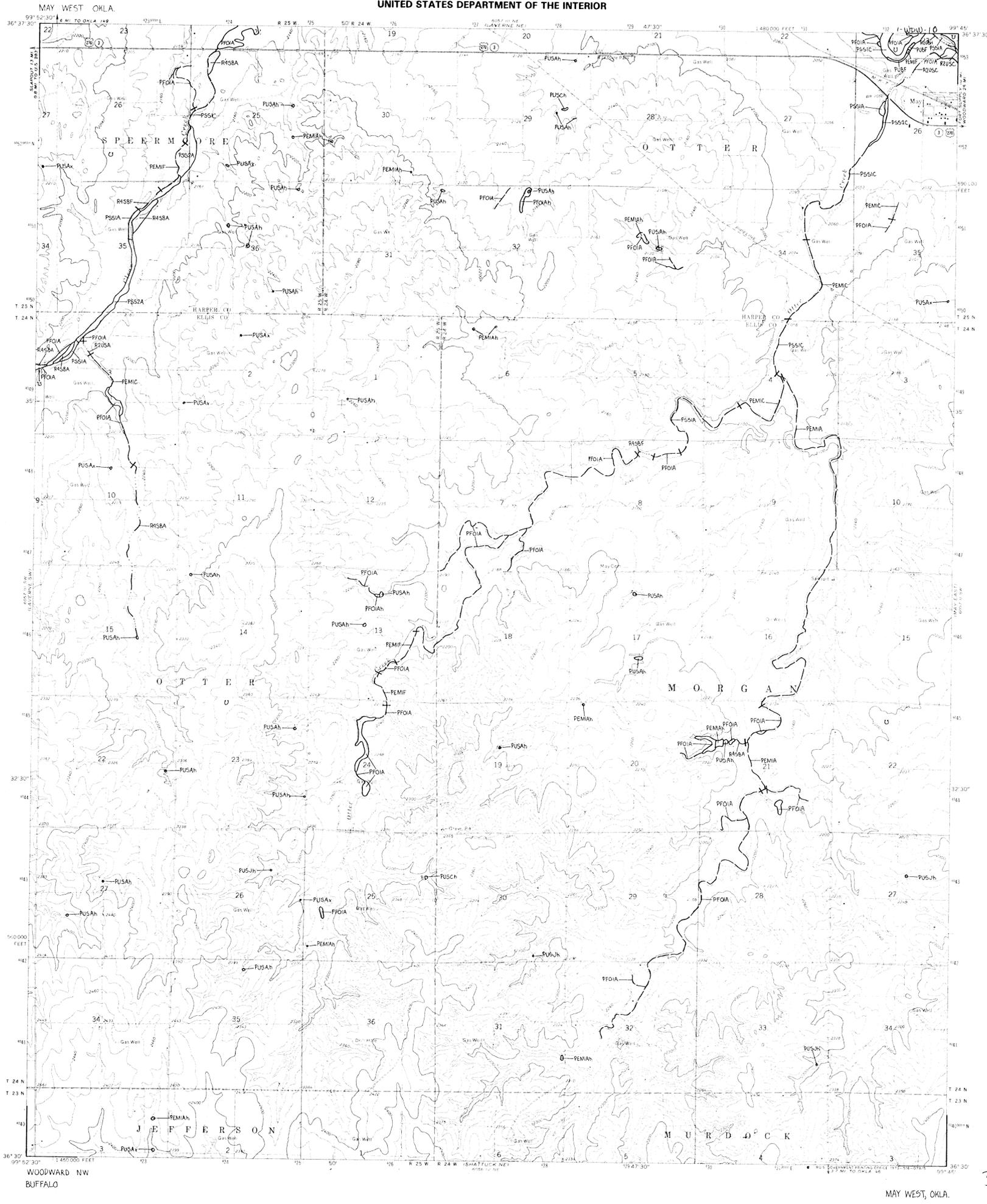
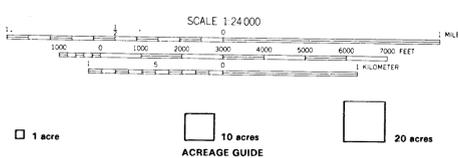


NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

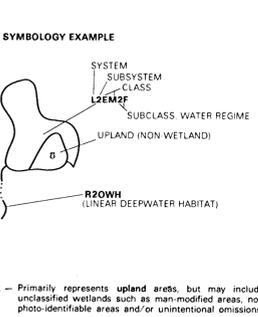


3699-321



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 italics were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SBA, R4SBAW, or R4SBU (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 11/83 DATE _____
SCALE 1:58,000 SCALE _____
TYPE CIR TYPE _____



U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by National Wetlands Inventory

1987

SYSTEM	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	1 - LIMNETIC	2 - LITTORAL
CLASS	UB - UNCONSOLIDATED BOTTOM	AR - AQUATIC BED	UB - UNCONSOLIDATED BOTTOM	AR - AQUATIC BED	UB - UNCONSOLIDATED BOTTOM	AR - AQUATIC BED
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Submerged 6 Unknown Surface	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Submerged 6 Unknown Surface	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Submerged 6 Unknown Surface

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 A. Temporarily Flooded B. Seasonally Flooded C. Permanently Flooded D. Seasonally Flooded/Unflooded E. Seasonally Flooded/Unflooded F. Seasonally Flooded/Unflooded G. Seasonally Flooded/Unflooded H. Seasonally Flooded/Unflooded I. Seasonally Flooded/Unflooded J. Seasonally Flooded/Unflooded K. Artificially Flooded L. Seasonally Flooded/Unflooded M. Seasonally Flooded/Unflooded N. Regularly Flooded O. Regularly Flooded P. Regularly Flooded Q. Regularly Flooded R. Regularly Flooded S. Regularly Flooded T. Regularly Flooded U. Regularly Flooded V. Regularly Flooded W. Regularly Flooded X. Regularly Flooded Y. Regularly Flooded Z. Regularly Flooded	Tidal 1. Temporary Tidal 2. Seasonally Tidal 3. Permanently Tidal 4. Seasonally Tidal 5. Permanently Tidal 6. Unknown	Coastal Salinity 1. Hypersaline 2. Euxaline 3. Polyhaline 4. Mesohaline 5. Oligohaline 6. Fresh	Inland Salinity 1. Hypersaline 2. Euxaline 3. Polyhaline 4. Mesohaline 5. Oligohaline 6. Fresh	pH Modifiers for all Fresh Water 1. Acidic 2. Mesic 3. Alkaline	Soil 1. Organic 2. Mineral	Special Modifiers a. Shrub Invasional b. Family Disturbed c. Shrub d. Exposed e. Shrub Invasional f. Artificially Disturbed g. Shrub h. Shrub Invasional i. Artificially Disturbed j. Shrub k. Exposed