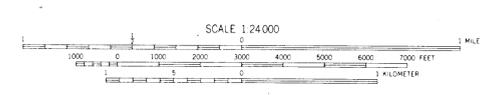
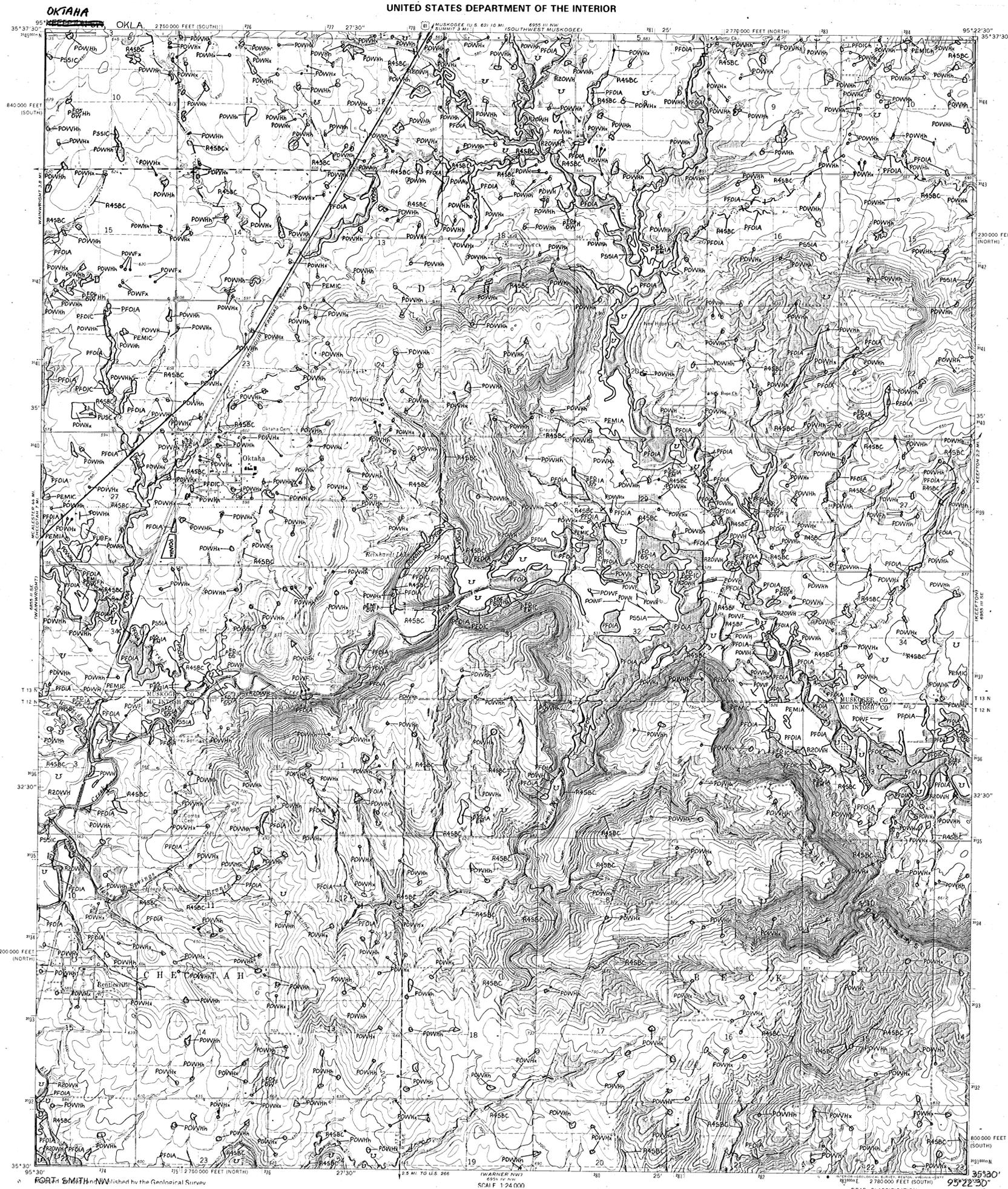
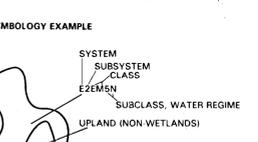


# NATIONAL WETLANDS INVENTORY

## 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 the Classification of Wetlands and Deep Water Habitats of the United States (an Operational Draft, Cowardin, et al. 1977). 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. 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 regulatory 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 (\*).  
• Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.  
• Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.  
• Some areas designated R4SB, R4SW, or R4SJ (intermittent streams) may not meet the definition of wetlands.

**AERIAL PHOTOGRAPHY**  
DATE: 4 / 18 / 80  
SCALE: 1:58,000  
TYPE: CIR  
DATE: / /  
TYPE: / /  
DATE: / /  
SCALE: / /  
TYPE: / /

Other information 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**  
Prepared by Office of Biological Services  
for the National Wetlands Inventory

### WETLAND LEGEND

□ - Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

E - ESTUARINE		M - MARINE	
1 - Subtidal	2 - Intertidal	1 - Subtidal	2 - Intertidal
<b>CLASS</b> R1 - ROCK R2 - SAND R3 - MUD R4 - ORGANIC	<b>CLASS</b> R5 - AQUATIC BED R6 - REF R7 - OPEN WATER R8 - UNKNOWN BOTTOM	<b>CLASS</b> R9 - ROCK R10 - SAND R11 - MUD R12 - ORGANIC	<b>CLASS</b> R13 - AQUATIC BED R14 - REF R15 - OPEN WATER R16 - UNKNOWN BOTTOM
<b>SUBCLASS</b> 1 Submerged Aquatic Plant 2 Submerged Macroalgae 3 Floating Marine Vegetation 4 Emergent Wetland 5 Unknown Substrate	<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial 7 Emergent 8 Non-emergent 9 Broad-leaved Nonperennial 10 Narrow-leaved Nonperennial 11 Broad-leaved Perennial 12 Narrow-leaved Perennial	<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial	<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial

P - PALUSTRINE		L - LACUSTRINE	
1 - Tidal	2 - Lower Perennial	1 - Littoral	2 - Littoral
<b>CLASS</b> EM - Emergent NS - Non-emergent NWP - Nonperennial PP - Perennial	<b>CLASS</b> R17 - ROCK R18 - SAND R19 - MUD R20 - ORGANIC	<b>CLASS</b> R21 - ROCK R22 - SAND R23 - MUD R24 - ORGANIC	<b>CLASS</b> R25 - AQUATIC BED R26 - REF R27 - OPEN WATER R28 - UNKNOWN BOTTOM
<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial	<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial	<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial	<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial

R - RIVERINE	
1 - Tidal	2 - Lower Perennial
<b>CLASS</b> EM - Emergent NS - Non-emergent NWP - Nonperennial PP - Perennial	<b>CLASS</b> R29 - ROCK R30 - SAND R31 - MUD R32 - ORGANIC
<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial	<b>SUBCLASS</b> 1 Emergent 2 Non-emergent 3 Broad-leaved Nonperennial 4 Narrow-leaved Nonperennial 5 Broad-leaved Perennial 6 Narrow-leaved Perennial

MODIFYING TERMS	
WATER REGIME(1)	WATER CHEMISTRY
<b>Non Tidal</b> A Temporary B Seasonal C Seasonal Wetland D Seasonal Emergent E Intermittent F Intermittent Emergent G Intermittent Nonperennial H Intermittent Perennial I Unknown	<b>Coastal Salinity</b> 1 Supralittoral 2 Littoral 3 Sublittoral 4 Estuarine 5 Marine 6 Dependent 7 Unknown
<b>Tidal</b> A Artificial B Seasonally Flooded C Seasonally Emergent D Seasonally Nonperennial E Seasonally Perennial F Unknown	<b>Inland Salinity</b> 1 Saline 2 Slightly Saline 3 Slightly Alkaline 4 Alkaline 5 Unknown
<b>SOIL</b> A Organic B Organic C Organic D Organic E Organic F Organic G Organic H Organic I Organic J Organic K Organic L Organic M Organic N Organic O Organic P Organic Q Organic R Organic S Organic T Organic U Organic V Organic W Organic X Organic Y Organic Z Organic	<b>SPECIAL MODIFIERS</b> A Broad-leaved B Broad-leaved C Broad-leaved D Broad-leaved E Broad-leaved F Broad-leaved G Broad-leaved H Broad-leaved I Broad-leaved J Broad-leaved K Broad-leaved L Broad-leaved M Broad-leaved N Broad-leaved O Broad-leaved P Broad-leaved Q Broad-leaved R Broad-leaved S Broad-leaved T Broad-leaved U Broad-leaved V Broad-leaved W Broad-leaved X Broad-leaved Y Broad-leaved Z Broad-leaved