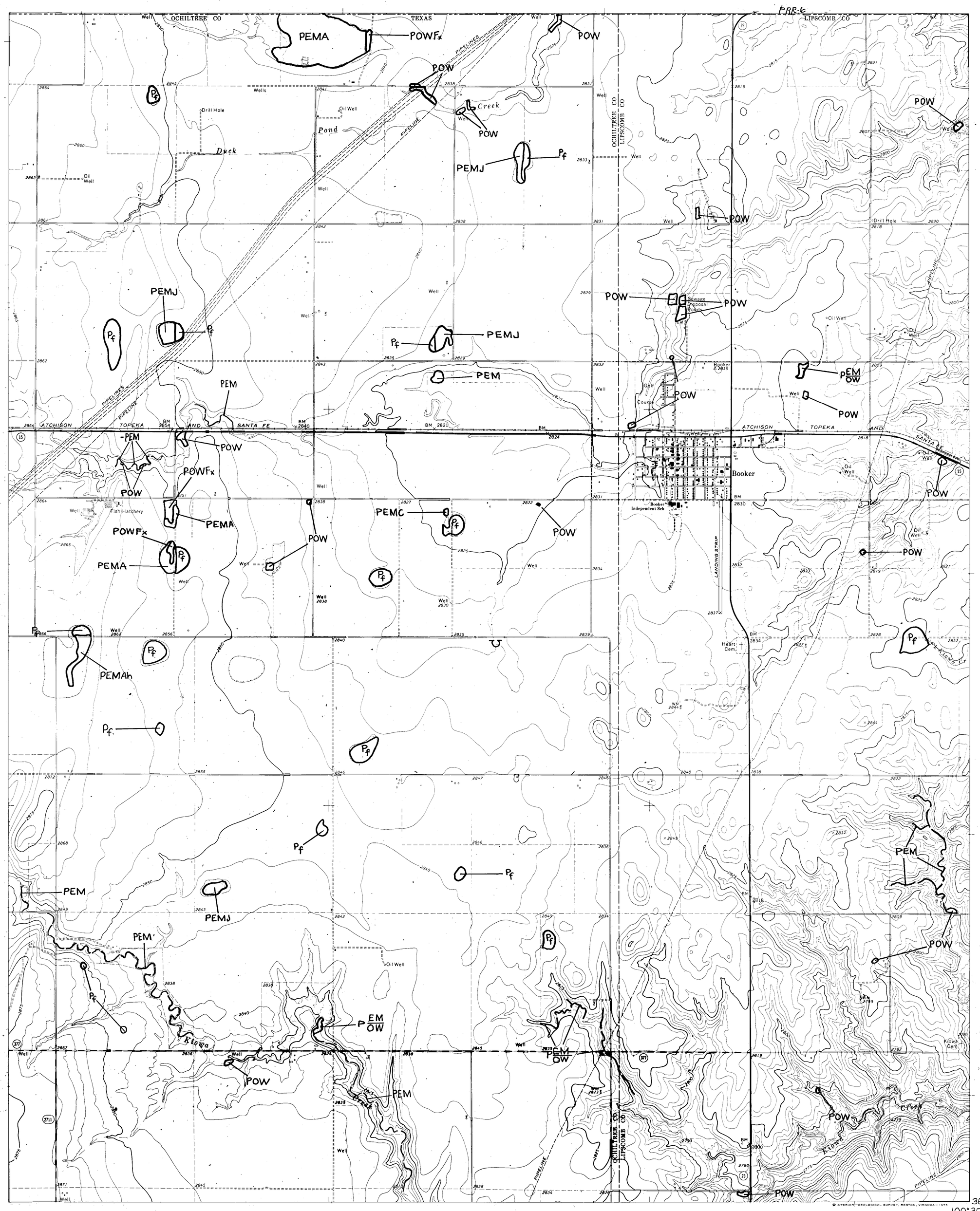
NUMBER
• IRVINE, CALIFORNIA
MBER 075AP.
INT ON THIS LINE •
DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AP.
POSITION EDGE OF PRINT ON THIS LINE •
DRAWING NUMBER
36100-244
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AP.
POSITION EDGE OF PRINT ON THIS LINE •
DRAWING
PLAN HOLD CORPORATION
REORDER BY NU
POSITION EDGE OF PI

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



PERRYTON SE
PERRYTON

BOOKER, TEX.—OKLA.

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

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

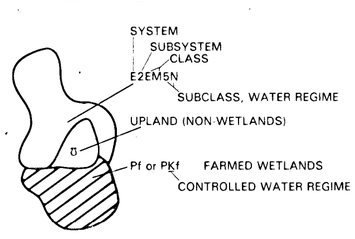
Regional Director (ARDE) Region II
U.S. Fish and Wildlife Service
P.O. Box 1306
Albuquerque, New Mexico 87103

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 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.

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.

SYMBOLOGY EXAMPLE



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.

AERIAL PHOTOGRAPHY

DATE: 9 / 77
SCALE: 1:80 000.
TYPE: CIR
DATE: / /
SCALE:
TYPE:
DATE: / /
SCALE:
TYPE:

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

Prepared by Office of Biological Services for the National Wetlands Inventory

Base map provided by the United States Geological Survey.

1995

36100-244

WETLAND LEGEND

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

E — ESTUARINE

ECOLOGICAL SYSTEM	Ecological Subsystem	CLASS	Subclass
E	1 — Subtidal	RB — ROCK BOTTOM	1 Bedrock, 2 Boulder
		UB — UNCONSOLIDATED BOTTOM	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating-leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface
		RF — REEF	2 Mollusc, 3 Worm
		OW — OPEN WATER: Unknown Bottom	
	2 — Intertidal	AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 6 Unknown Submergent, 7 Unknown Surface
		RF — REEF	2 Mollusc, 3 Worm
		FL — FLAT	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non-pioneer
		SB — STREAMBED	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		RS — ROCKY SHORE	1 Bedrock, 2 Boulder, 6 Vegetated Non-pioneer
		BB — BEACH/BAR	1 Cobble/Gravel, 2 Sand
		EM — EMERGENT	1 Persistent, 2 Nonpersistent, 3 Narrow-leaved Nonpersistent, 4 Broad-leaved Nonpersistent, 5 Narrow-leaved Persistent, 6 Broad-leaved Persistent
		SS — SCRUB/SHRUB	1 Broad-leaved Deciduous, 3 Broad-leaved Evergreen, 4 Needle-leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen
		FO — FORESTED	1 Broad-leaved Deciduous, 3 Broad-leaved Evergreen, 4 Needle-leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen

M — MARINE

ECOLOGICAL SYSTEM	Ecological Subsystem	CLASS	Subclass
M	1 — Subtidal	RB — ROCK BOTTOM	1 Bedrock, 2 Boulder
		UB — UNCONSOLIDATED BOTTOM	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 6 Unknown Submergent
		RF — REEF	1 Coral, 3 Worm
		OW — OPEN WATER: Unknown Bottom	
	2 — Intertidal	AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 6 Unknown Submergent
		RF — REEF	1 Coral, 3 Worm
		FL — FLAT	1 Cobble/Gravel, 2 Sand, 3 Mud, 6 Vegetated Non-pioneer
		RS — ROCKY SHORE	1 Bedrock, 2 Boulder, 6 Vegetated Non-pioneer
		BB — BEACH/BAR	1 Cobble/Gravel, 2 Sand

P — PALUSTRINE

ECOLOGICAL SYSTEM	No Subsystem	CLASS	Subclass
P		RB — ROCK BOTTOM	1 Bedrock, 2 Boulder
		UB — UNCONSOLIDATED BOTTOM	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating-leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface
		FL — FLAT	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non-pioneer
		ML — MOSS/LICHEN	1 Moss, 2 Lichen
		EM — EMERGENT	1 Persistent, 2 Nonpersistent, 3 Narrow-leaved Nonpersistent, 4 Broad-leaved Nonpersistent, 5 Narrow-leaved Persistent, 6 Broad-leaved Persistent
		SS — SCRUB/SHRUB	1 Broad-leaved Deciduous, 2 Needle-leaved Deciduous, 3 Broad-leaved Evergreen, 4 Needle-leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen
		FO — FORESTED	1 Broad-leaved Deciduous, 2 Needle-leaved Deciduous, 3 Broad-leaved Evergreen, 4 Needle-leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen
		OW — OPEN WATER: Unknown Bottom	

L — LACUSTRINE

ECOLOGICAL SYSTEM	Ecological Subsystem	CLASS	Subclass
L	1 — Limnetic	RB — ROCK BOTTOM	1 Bedrock, 2 Boulder
		UB — UNCONSOLIDATED BOTTOM	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating-leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface
		OW — OPEN WATER: Unknown Bottom	
	2 — Littoral	RB — ROCK BOTTOM	1 Bedrock, 2 Boulder
		UB — UNCONSOLIDATED BOTTOM	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating-leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface
		FL — FLAT	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non-pioneer
		RS — ROCKY SHORE	1 Bedrock, 2 Boulder
		BB — BEACH/BAR	1 Cobble/Gravel, 2 Sand
		EM — EMERGENT	1 Nonpersistent, 3 Narrow-leaved Nonpersistent, 4 Broad-leaved Nonpersistent
		OW — OPEN WATER: Unknown Bottom	

R — RIVERINE

ECOLOGICAL SYSTEM	Ecological Subsystem	CLASS	Subclass
R	1 — Tidal	EM — EMERGENT(1)	2 Nonpersistent, 3 Narrow-leaved Nonpersistent, 4 Broad-leaved Nonpersistent
		RB — ROCK BOTTOM	1 Bedrock, 2 Boulder
	2 — Lower Perennial	UB — UNCONSOLIDATED BOTTOM	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		AB — AQUATIC BED	1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating-leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface
	3 — Upper Perennial	FL — FLAT	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non-pioneer
	4 — Intermittent	SB — STREAMBED	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
		RS — ROCKY SHORE	1 Bedrock, 2 Boulder
	5 — Unknown Perennial	BB — BEACH/BAR	1 Cobble/Gravel, 2 Sand
		OW — OPEN WATER: Unknown Bottom	

(1) EM — EMERGENTS are only found in the **Riverine Tidal** and **Riverine Lower Perennial** Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems

MODIFYING TERMS

In order to more adequately describe wetland and aquatic 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 farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal		Tidal	
A Temporary	H Permanent	K Artificial	R Seasonal Tidal
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal
C Seasonal	K Artificial	M Irregularly Exposed	T Semipermanent Tidal
D Seasonal Well-drained	Z Intermittently Exposed/Permanent	N Regular	V Permanent Tidal
E Seasonal Saturated	W Intermittently Flooded/Temporary	P Irregular	U Unknown
F Semipermanent	Y Saturated/Semipermanent/Seasonals		
G Intermittently Exposed	U Unknown		

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline	7 Hypersaline	a Acid
2 Euhaline	8 Eusaline	c Circumneutral
3 Mixohaline (Brackish)	9 Mixosaline	i Alkaline
4 Polyhaline	0 Fresh	
5 Mesohaline		
6 Oligohaline		
C Fresh		

SOIL

g Organic	
n Mineral	

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	r Artificial
f Farmed	s Spoil
	x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

☆ INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1975