NUMBER

• IRVINE, CALIFORNIA
BRF 075AR

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

DRAWING NUMBER
3394-341

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

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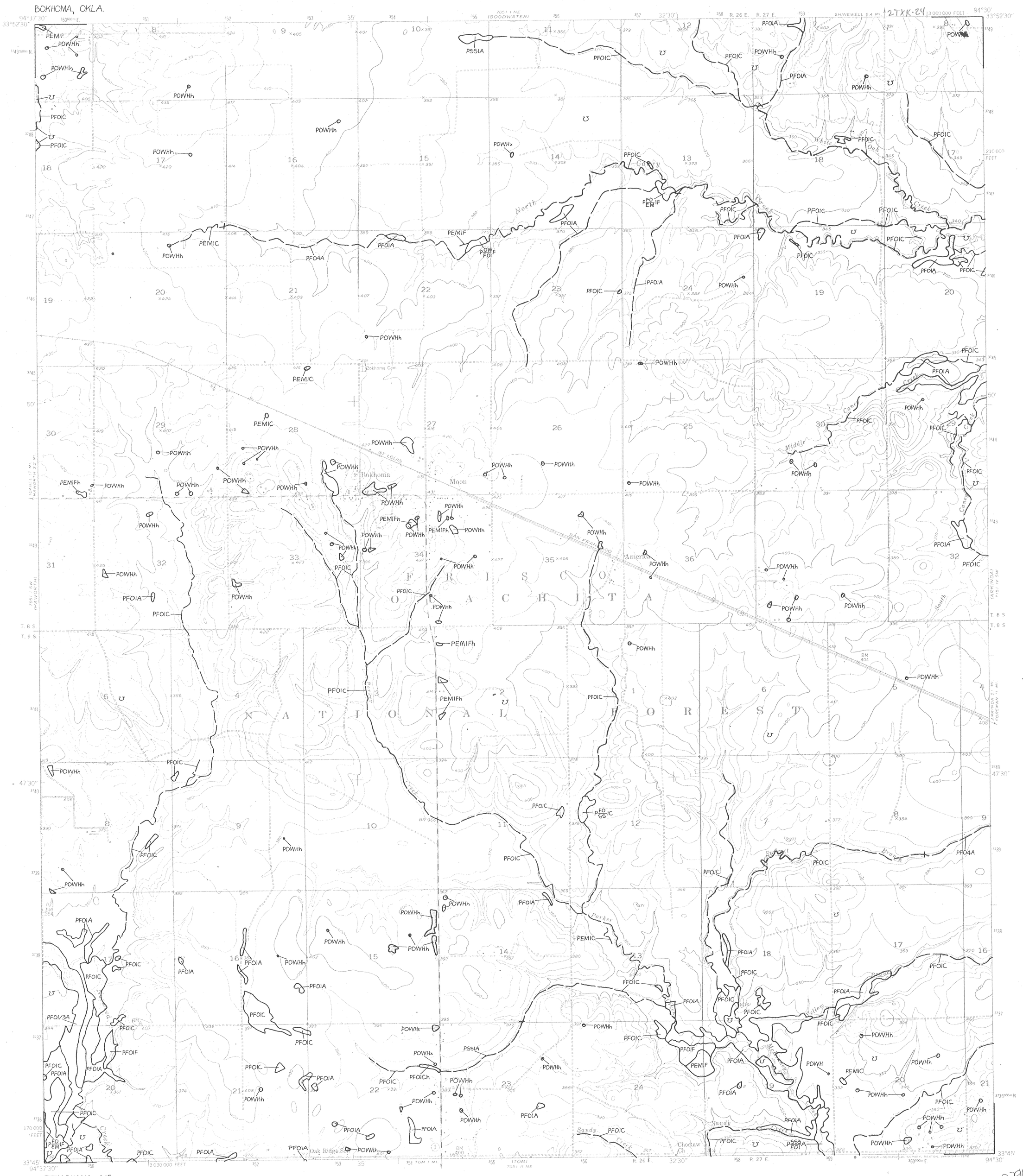
PLAN HOLD CORPORATION
REORDER BY NUM

A-F 14054C-D

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



DRAFT

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 5 0 1 KILOMETER

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

1:100 000: TEXARKANA N.E.
NAME: IDABEL
TOPO NAME: BOKHOMA, OKLA.

TECHNICAL RESPONSIBILITY		
TASK	NAME	DATE
REGIONAL PI QC		
NATIONAL PI QC		
ZTS	C. GLEASON/ZE	6/84
ZTS QC	K. Conway	7-31-84
MAP PI QC	R. SULLIVAN	8-13-84
ZTS CORRECTION	M. MIKOLAITIS	8-21-84
CORRECTION CHECK	R. WHITEHEAD	8-16-84
F.W.S. ACCEPT	G. MARTIN	10-5-84

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: 3 / 82
SCALE: 1:65 000
TYPE: CIR
DATE: / /
SCALE:
TYPE:
DATE: / /
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TYPE:

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

Prepared by Office of Biological Services
for the National Wetlands Inventory

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 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, 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

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	Ecological Subsystem	CLASS	Subclass
P	No Subsystem	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, 6 Deciduous, 7 Evergreen
		FO — FORESTED	1 Broad leaved Deciduous, 2 Needle leaved Deciduous, 3 Broad leaved Evergreen, 4 Needle leaved Evergreen, 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	2 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
		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
	2 — Lower Perennial	FL — FLAT	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non pioneer
	3 — Upper Perennial	SB — STREAMBED	1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic
	4 — Intermittent	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)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non-Tidal			Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary	H Permanent	K Artificial	R Seasonal Tidal	1 Hyperhaline	7 Hypersaline	a Acid	g Organic	b Beaver	h Diked/Impounded
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal	2 Euhaline	8 Eusaline	t Circumneutral	n Mineral	d Partially Drained/Ditched	r Artificial
C Seasonal	K Artificial	M Irregularly Exposed	T Semipermanent Tidal	3 Mixohaline (Brackish)	9 Mixosaline	i Alkaline		f Farmed	s Spoil
D Seasonal Well drained	Z Intermittently Exposed/Permanent	N Regular	V Permanent Tidal	4 Polyhaline	0 Fresh				x Excavated
E Seasonal Saturated	W Intermittently Flooded/Temporary	P Irregular	U Unknown	5 Mesohaline					
F Semipermanent	Y Saturated/Semipermanent/Seasonals			6 Oligohaline					
G Intermittently Exposed	U Unknown			0 Fresh					

(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.

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