CHACO CANYON, NEW MEXICO

NATIONAL WETLANDS INVENTORY

30 X 60 MINUTE SERIES (WETLANDS)

Chaco Canyon
NEW MEXICO

1:100 000 — Scale Map of

National Wetlands Inventory

- Wetland classifications
- Highways, roads and other manmade structures
- Water features
- Geographic names

DEPARTMENT OF THE INTERIOR · FISH & WILDLIFE SERVICE

1984

Produced by the United States Fish and Wildlife Service

Wetland classifications from 1:58,000 scale color infrared aerial photographs taken 1981 and other source data.

Projection and 10,000 meter, zone 12 Universal Transverse Mercator
25,000-foot grid ticks based on New Mexico coordinate system, central and east zones 1927 North American datum
To place on the predicted North American Datum 1983 move the projection line 1 meter north and 54 meters east

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* (Cowardin et al. 1977 Operational Draft). The aerial photographs typically reflect conditions existing at the time they were taken; in addition, there is a margin of error inherent in the use of the interpretation. Thus, a detailed on the ground and historical analysis of a single site may result in 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 by the U.S. Fish and Wildlife Service, in 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 governmental agencies. Persons contemplating any activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specific agency regulatory programs and proprietary jurisdictions that may affect such activities.

CONVERSION TABLE

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

To convert meters to feet, multiply by 3.2808
To convert feet to meters, multiply by 0.3048

DECLINATION DIAGRAM

UTM grid convergence (GN) and magnetic declination (MN) at center of map. Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1. Farmington
2. Navajo Reservoir
3. Chama
4. Tsaile/Wa
5. Abiquiu
6. Gallup
7. Chaco Mesa
8. Los Alamos

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 R4SB, R4SBW, OR R4SBJ (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.

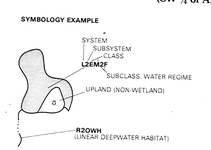
Other information including a narrative report concerning the wetland resources depicted on this document may be available. For information, contact:

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

SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CHACO CANYON, NEW MEXICO
(SW ½ of Aztec 1:250,000)

SYMBOLOGY EXAMPLE



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

SYSTEM
- M — MARINE
- E — ESTUARINE
- R — RIVERINE
- L — LACUSTRINE
- P — PALUSTRINE

SUBSYSTEM
- 1 — SUBTIDAL
- 2 — INTERTIDAL
- 1 — TIDAL
- 2 — LOWER PERENNIAL
- 3 — UPPER PERENNIAL
- 4 — INTERMITTENT
- 5 — UNKNOWN PERENNIAL
- 1 — LIMNETIC
- 2 — LITTORAL

CLASS
- RB — ROCK BOTTOM
- UB — UNCONSOLIDATED BOTTOM
- AB — AQUATIC BED
- RS — ROCK SHORE
- US — UNCONSOLIDATED SHORE
- EM — EMERGENT
- SS — SCRUB-SHRUB
- FO — FORESTED
- OW — OPEN WATER/ Unknown Bottom

Subclass
- 1 Bedrock
- 2 Rubble
- 3 Cobble-Gravel
- 4 Sand
- 5 Mud
- 6 Organic
- 7 Vegetated
- 8 Algal
- 9 Aquatic Moss
- 10 Rooted Vascular
- 11 Floating Vascular
- 12 Moss
- 13 Lichen
- 14 Emergent
- 15 Shrub
- 16 Tree
- 17 Deciduous
- 18 Evergreen
- 19 Dead
- 20 Deciduous/Evergreen

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and contains the only CLASS in the INTERMITTENT SUBSYSTEM
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS. The remaining CLASSES are found in all SUBSYSTEMS.

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 Special Modifier may also be applied to the ecological system.

WATER REGIME			WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal		Coastal Halinity	Inland Salinity	pH Modifiers for all Fresh Water		
A. Temporarily Flooded	F. Permanently Flooded	K. Artificially Flooded	1 Hyperhaline	1 Hyperhaline	1 Acid	a. Diked/Impounded
B. Saturated	G. Intermittently Flooded	L. Intermittently Exposed	2 Euhaline	2 Eusaline	2 Circumneutral	b. Artificial Substrate
C. Seasonally Flooded	H. Permanently Flooded-Tidal	M. Permanently Flooded-Artificially	3 Mixohaline (Brackish)	3 Mixosaline	3 Alkaline	c. Spoil
D. Semipermanently Flooded	J. Irregularly Exposed	R. Diked/Impounded	4 Polyhaline	4 Fresh		d. Excavated
E. Intermittently Exposed			5 Fresh			
Permanently Flooded						
Intermittently Flooded						
V. Tidal						
W. Intermittent						

*These water regimes are only used in Deepwater Habitats.

SYSTEM
- **SUBSYSTEM**
  - CLASS
    - Subclass