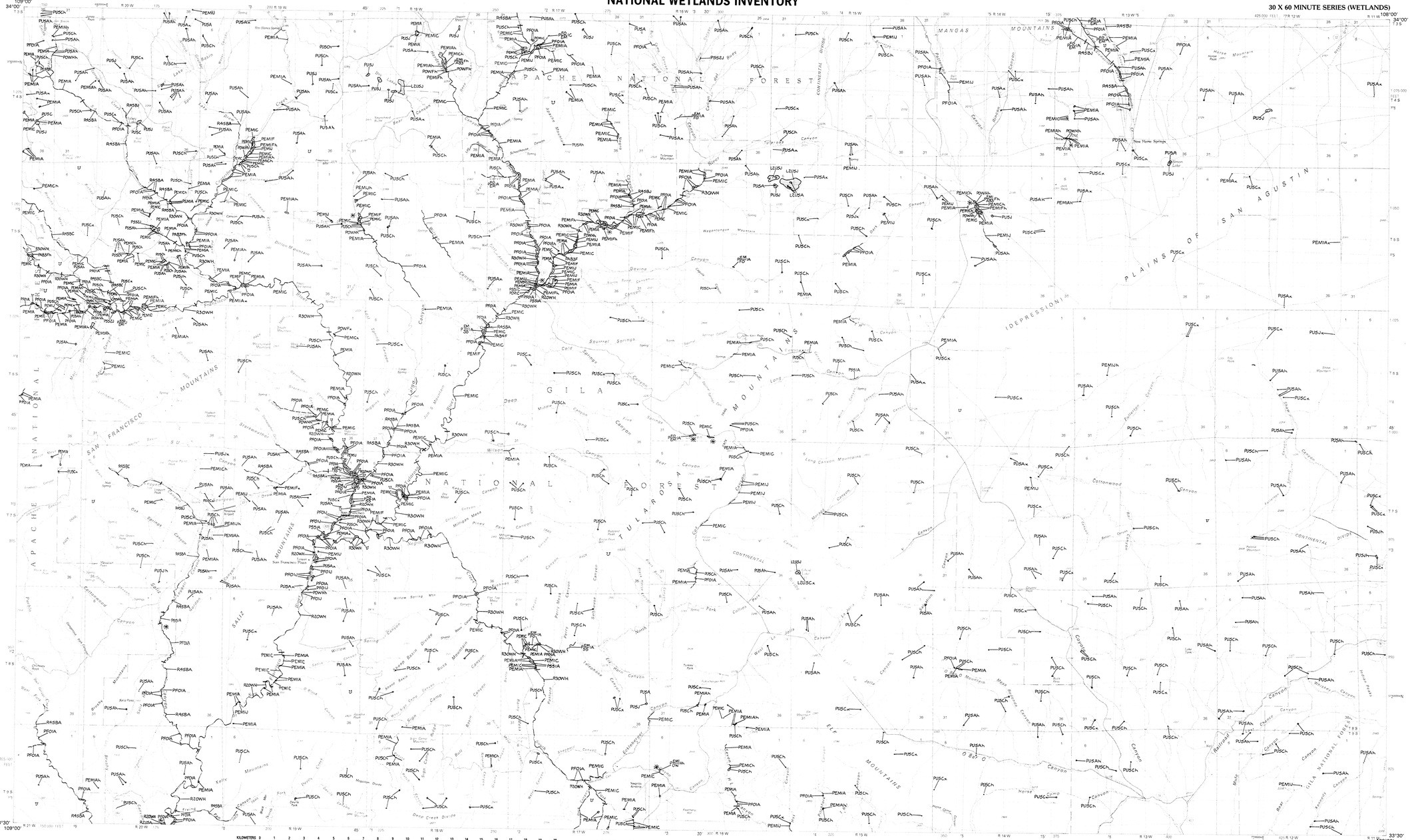
TULAROSA MTNS., NEW MEXICO

NATIONAL WETLANDS INVENTORY

30 X 60 MINUTE SERIES (WETLANDS)



KILOMETERS 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

MILES 0 1 2 3 4 5 6 7 8 9 10 11 12

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

0 1000 5000 10 000 15 000 20 000 METERS

0 5000 10 000 15 000 20 000 25 000 30 000 35 000 40 000 45 000 50 000 55 000 60 000 65 000 FEET

TULAROSA MTNS., NEW MEXICO
(NE ½ of Clifton 1:250,000)

SYSTEM
SUBSYSTEM
CLASS
Subclass

M — MARINE
1 — SUBTIDAL: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RF — REEF; OW — OPEN WATER/Unknown Bottom
2 — INTERTIDAL: AB — AQUATIC BED; RF — REEF; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE

E — ESTUARINE
1 — SUBTIDAL: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RF — REEF; OW — OPEN WATER/Unknown Bottom
2 — INTERTIDAL: AB — AQUATIC BED; RF — REEF; RS — STREAMBED; RO — ROCKY SHORE; US — UNCONSOLIDATED SHORE; EM — EMERGENT; SS — SCRUB-SHRUB; FO — FORESTED

R — RIVERINE
1 — TIDAL: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RS — STREAMBED; US — UNCONSOLIDATED SHORE; EM — EMERGENT; OW — OPEN WATER/Unknown Bottom
2 — LOWER PERENNIAL: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RS — STREAMBED; US — UNCONSOLIDATED SHORE; EM — EMERGENT; OW — OPEN WATER/Unknown Bottom
3 — UPPER PERENNIAL: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RS — STREAMBED; US — UNCONSOLIDATED SHORE; OW — OPEN WATER/Unknown Bottom
4 — INTERMITTENT: RS — STREAMBED; OW — OPEN WATER/Unknown Bottom
5 — UNKNOWN PERENNIAL: OW — OPEN WATER/Unknown Bottom

*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.

P — PALUSTRINE
RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; US — UNCONSOLIDATED SHORE; MB — MOSS-LICHEN; EM — EMERGENT; SS — SCRUB-SHRUB; FO — FORESTED; OW — OPEN WATER/Unknown Bottom

L — LACUSTRINE
1 — LIMNETIC: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; OW — OPEN WATER/Unknown Bottom
2 — LITTORAL: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE; EM — EMERGENT; OW — OPEN WATER/Unknown Bottom

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 tilded (~) modifier may only be applied to the ecological system.

WATER REGIME

Non-Tidal: A. Temporarily Flooded; B. Saturated; C. Seasonally Flooded; D. Seasonally Flooded-Well Drained; E. Seasonally Flooded/Saturated; F. Semipermanently Flooded; G. Intermittently Exposed; H. Permanently Flooded; J. Intermittently Flooded; K. Artificially Flooded

Tidal: L. Subtidal; M. Irregularly Flooded; N. Regularly Flooded; P. Irregularly Flooded

Modifiers for Tidal and Non-Tidal: V. Tidal/Nontidal Complex; Z. Unknown

These water regimes are only used in tidally influenced freshwater systems.

WATER CHEMISTRY

Coastal Salinity: 1 Hyperhaline; 2 Euhaline; 3 Mixohaline (Brackish); 4 Mesohaline; 5 Oligohaline; 6 Fresh

Inland Salinity: 7 Hyperhaline; 8 Eurhaline; 9 Mixohaline; 0 Fresh

pH Modifiers for all Fresh Water: a Acid; b Circumneutral; c Alkaline

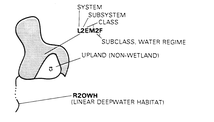
SOIL

D Organic; E Mineral

SPECIAL MODIFIERS

h Beaver; g Partly Drained/Ditched; r Farmed; s Spoil; t Diked/Impounded; u Excavated; x Excavated

SYMBOLOGY EXAMPLE



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

Tularosa Mtns.

NEW MEXICO

1:100 000 — Scale Map of

National Wetlands Inventory

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

FISH & WILDLIFE SERVICE

1984

Produced by the United States Fish and Wildlife Service

Wetlands classifications from 1:58,000 scale color infrared aerial photographs taken 1982 and other source data.

Projection and 10,000-meter grid, zone 12
Universal Transverse Mercator
25,000-foot grid ticks based on New Mexico coordinate system, west zone, 1927 North American datum
To place on the predicted North American Datum 1983 move the projection lines 3 meters south and 56 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., 1979). Wetlands may vary in size from what the 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. Small wetlands may be excluded 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 intent, on either the design or products of this inventory, to define the limits of proprietary jurisdiction of any agency. The maps and publications do not substitute for any determinations 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 specific agency regulatory programs and proprietary jurisdictions that may affect such activities.

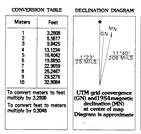
CONVERSION TABLE

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



1/27M grid convergence (GN) and 1/954 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1. Springerville
2. Quemado
3. Magdalena
4. Ramah
5. San Mateo Mtns.
6. Clifton
7. Mogollon Mtns.
8. Truth or Consequences

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 RASB, RASBW, OR RASBJ (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