ROSWELL SW, NEW MEXICO

NATIONAL WETLANDS INVENTORY

30 X 60 MINUTE SERIES (WETLANDS)

106°00' 33°30' 105°00' 33°00'

PHOTOGRAPHY UNAVAILABLE

ROSWELL SW, NEW MEXICO

RUIDOSO

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

M — MARINE

SYSTEM

SUBSYSTEM 1 — SUBTIDAL | 2 — INTERTIDAL

CLASS: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RF — REEF; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE; OW — OPEN WATER/Unknown Bottom

Subclasses: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 2 Rooted Vascular, 3 Floating Vascular, 4 Emergent, 5 Moss-Lichen, 6 Aquatic Moss, 7 Floating Algae, 8 Unknown Surface; 1 Coral, 2 Worm; 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic

E — ESTUARINE

SYSTEM

SUBSYSTEM 1 — SUBTIDAL | 2 — INTERTIDAL

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

Subclasses: 1 Bedrock, 2 Rubble; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 Moss-Lichen, 6 Emergent, 7 Shrub, 8 Unknown Surface; 2 Worm; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Persistent, 2 Nonpersistent; 1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen

L — LACUSTRINE

SYSTEM

SUBSYSTEM 1 — LIMNETIC | 2 — LITTORAL

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

Subclasses: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 Moss-Lichen, 6 Emergent, 7 Shrub, 8 Unknown Surface; 2 Nonpersistent

R — RIVERINE

SYSTEM

SUBSYSTEM 1 — TIDAL | 2 — LOWER PERENNIAL | 3 — UPPER PERENNIAL | 4 — INTERMITTENT | 5 — UNKNOWN PERENNIAL

CLASS: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE; ***EM — EMERGENT; OW — OPEN WATER/Unknown Bottom

Subclasses: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 Unknown Submergent, 6 Unknown Surface; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Persistent, 2 Nonpersistent

*[R2RBG/AB/EM] is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM

**[R3EM/EM2] is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS. The remaining CLASSES are found in all SUBSYSTEMS.

P — PALUSTRINE

SYSTEM

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

Subclasses: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 Moss-Lichen, 6 Emergent, 7 Shrub, 8 Unknown Surface; 1 Moss, 2 Lichen; 1 Persistent, 2 Nonpersistent; 1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen

SYSTEM

SUBSYSTEM

CLASS

Subclasses

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 "other" modifier may only be applied by the biologist/ecologist with knowledge of the site.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non-Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A. Temporarily Flooded	H. Permanently Flooded	K. Artificially Flooded*	U. Temporarily Tidal	1. Hyperhaline	5. Hyperhaline	6. Acid	9. Organic	1. Diked/Impounded	5. Partially Drained/Ditched
B. Saturated	J. Intermittently Exposed	L. Intermittently Flooded	V. Semipermanently Tidal	2. Euhaline (Marine)	6. Euhaline	7. Circumneutral		2. Artificial	6. Farmed
C. Seasonally Flooded	K. Artificially Flooded	M. Subtidal	W. Intermittently Tidal	3. Mixohaline	7. Mixosaline	8. Alkaline		3. Spoil	7. Excavated
D. Seasonally Flooded/Saturated	L. Intermittently Flooded	N. Irregularly Flooded	Z. Unknown	4. Polyhaline	8. Fresh			4. Mined/Excavated	
E. Saturated/Semipermanently Flooded	M. Permanently Flooded-Tidal	P. Irregularly Flooded							
F. Intermittently Exposed	Z. Unknown								
G. Permanently Flooded									

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

SYSTEM

SUBSYSTEM

CLASS

Subclasses

SYMBOLOGY EXAMPLE

SYSTEM

SUBSYSTEM

CLASS

L2EM2F

SUBCLASS: WATER REGIME

UPLAND (NON-WETLAND)

R2OWH

(LINEAR DEEPWATER HABITAT)

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

DRAFT

Roswell SW

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

Wetlands classifications from 1:58,000 color infrared aerial photographs taken 1973, 1982 and other source data.

BASE MAP IS A PHOTOGRAPHIC ENLARGEMENT OF A 1:250,000 — SCALE QUADRANGLE

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 any such photographs. Thus, a delineation of the precise areal and historical extents of a single site may require field investigation. Due to the complex nature of the data 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 this delineation 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 specific agency regulatory programs and proprietary jurisdictions that may affect such activities.

CONVERSION TABLE	
Meters	Feet
1	3.2809
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

GN — MN — 10°13' — 169 MILS

0°13'E — 5 MILS

UTM grid convergence (GN) at center of map

Magnetic declination (MD) at center of map

Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1. Tularosa NE
2. Roswell NW
3. Roswell NE
4. Valencia SE
5. Valencia SW
6. Las Cruces NE
7. Carlsbad NW
8. Carlsbad NE

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:

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