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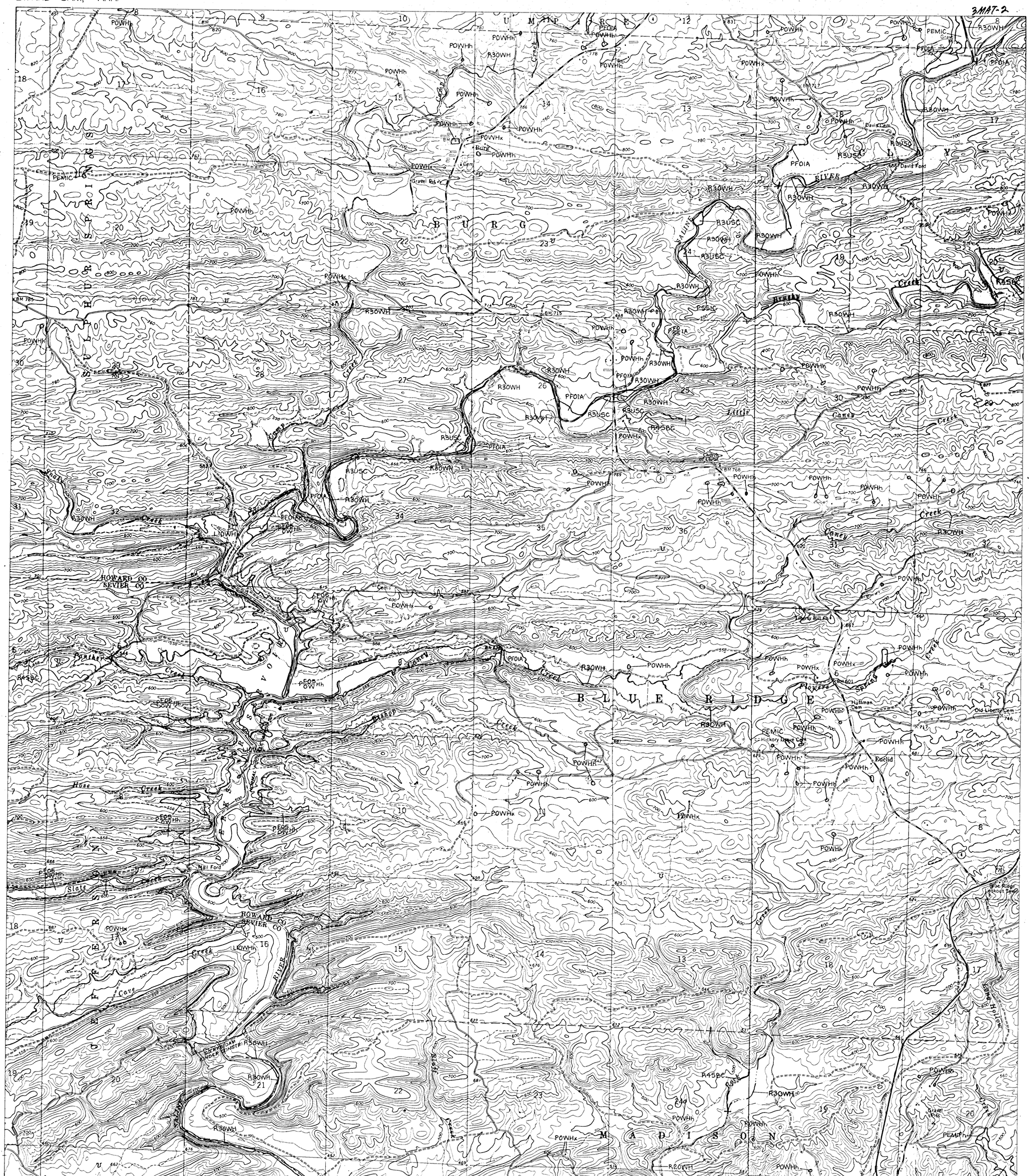
# NATIONAL WETLANDS INVENTORY

## UNITED STATES DEPARTMENT OF THE INTERIOR

DIERKS DAM, ARK.

3MAT-2




MC ALESTER SE
DeQUEEN

34°07'30"
94°00"

SCALE 1:24000

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

# DRAFT

DIERKS DAM, ARK.

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

| TECHNICAL RESPONSIBILITY | | |
|---|---|---|
| TASK | NAME | DATE |
| REGIONAL PI QC | | |
| NATIONAL PI QC | | |
| ZTS | D BARCLAY | T 4-20-82 |
| | D BARCLAY | L 4-22-82 |
| ZTS QC | JIM TERRY | 10-12-82 |
| MAP PI QC | J. LEBLANC | 10-19-82 |
| ZTS CORRECTION | L. INGRAM | 1 10-22-82 |
| | E. DEAN | 2 10-26-82 |
| | | 3 |
| CORRECTION CHECK | Dina Dean | 10-25-82 |
| F.W.S. ACCEPT | Armstrong | |

1:100 000 MCALESTER SE
NAME DeQUEEN
TOPO NAME DIERKS DAM

**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.
- Some areas designated R4SB, R4SBW, or R4SBJ (intermittent streams) may not meet the definition of wetlands.

**AERIAL PHOTOGRAPHY**

DATE: 3/ /80
SCALE: 1:58 000
TYPE: CIR

DATE: 3/ /81
SCALE: 1:58 000
TYPE: CIR

DATE: / /
SCALE:
TYPE:

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by Office of Biological Services for the National Wetlands Inventory

## WETLAND LEGEND

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

**M – MARINE**

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

**P – PALUSTRINE**

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

**L – LACUSTRINE**

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

**R – RIVERINE**

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

(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/Seasonal | | |
| 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 | t Circumneutral |
| 3 Mixohaline (Brackish) | 9 Mixosaline | i Alkaline |
| 4 Polyhaline | 0 Fresh | |
| 5 Mesohaline | | |
| 6 Oligohaline | | |
| 0 Fresh | | |

**SOIL**

| | |
|---|---|
| o | 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.