

[illegible]

SCALE 1:24 000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

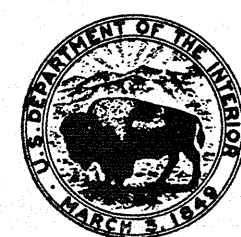
1 5 0 1 KILOMETER

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 Deepwater Habitats of the United States (FWS/OBS-7510 December 1979). The aerial photographs typically reflect conditions during the open water 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.

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graph TD
    SYSTEM --> SUBSYSTEM
    SYSTEM --> CLASS
    CLASS --> L2EM2F
    CLASS --> SUBCLASS_WATER_REGIME[SUBCLASS. WATER REGIME]
    L2EM2F --> UPLAND_NON_WETLAND[UPLAND (NON-WETLAND)]
    L2EM2F --> R2OWH[R2OWH (LINEAR DEEPWATER HABITAT)]
    UPLAND_NON_WETLAND --> 0
    UPLAND_NON_WETLAND --> 1
  
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- 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 *Interiors* 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.



U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by National Wetlands Inventory

1989

AERIAL PHOTOGRAPHY

DATE: 9 / / 81 DATE: / /
SCALE: 1:58 000 SCALE:
TYPE: CIR TYPE:

SYSTEM M - MARINE

SUBSYSTEM 1 - SUBTIDAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Floating Vascular 3 Worm 4 Unknown Submergent	1 Coral 2 Worm	

SUBSYSTEM 2 - INTERTIDAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE	AB - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Floating Vascular 3 Worm 4 Unknown Submergent	1 Coral 2 Worm	

SYSTEM E - ESTUARINE

SUBSYSTEM 1 - SUBTIDAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusc 3 Worm	

SUBSYSTEM 2 - INTERTIDAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE	AB - AQUATIC BED	RF - REEF	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusc 3 Worm	

SYSTEM R - RIVERINE

SUBSYSTEM 1 - TIDAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED BOTTOM
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SUBSYSTEM 2 - LOWER PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SUBSYSTEM 3 - UPPER PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SUBSYSTEM 4 - INTERMITTENT

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SUBSYSTEM 5 - UNKNOWN PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SYSTEM L - LACUSTRINE

SUBSYSTEM 1 - LIMNETIC

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM 2 - LITTORAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE	AB - AQUATIC BED	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.

*EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS. The remaining CLASSES are found in all SUBSYSTEMS.

SYSTEM P - PALUSTRINE

SUBSYSTEM 1 - TIDAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED BOTTOM
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SUBSYSTEM 2 - LOWER PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SUBSYSTEM 3 - UPPER PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SUBSYSTEM 4 - INTERMITTENT

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SUBSYSTEM 5 - UNKNOWN PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SYSTEM L - LACUSTRINE

SUBSYSTEM 1 - LIMNETIC

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM 2 - LITTORAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE	AB - AQUATIC BED	OW - OPEN WATER/Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.

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SYSTEM P - PALUSTRINE

SUBSYSTEM 1 - TIDAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED BOTTOM
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SUBSYSTEM 2 - LOWER PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
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SUBSYSTEM 3 - UPPER PERENNIAL

CLASS	RS - ROCK BOTTOM	US - UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Algal 2 Aquatic Moss 3 Buried Vascular 4 Floating Vascular 5 Unknown Submergent 6 Mud 7 Vegetated

SUBSYSTEM 4 - INTERMITTENT

CLASS	RS - ROCK BOTTOM</
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