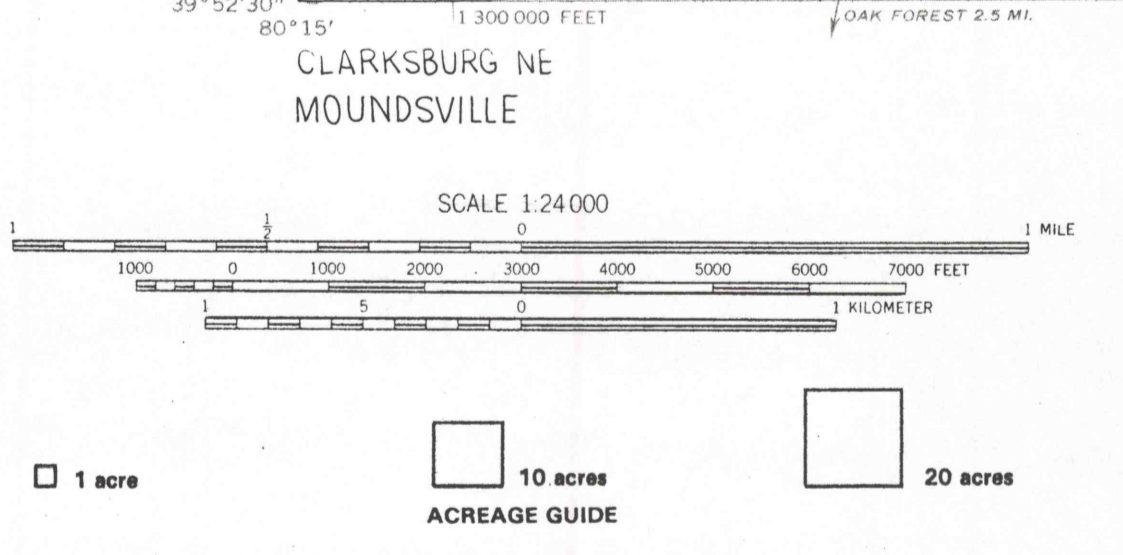
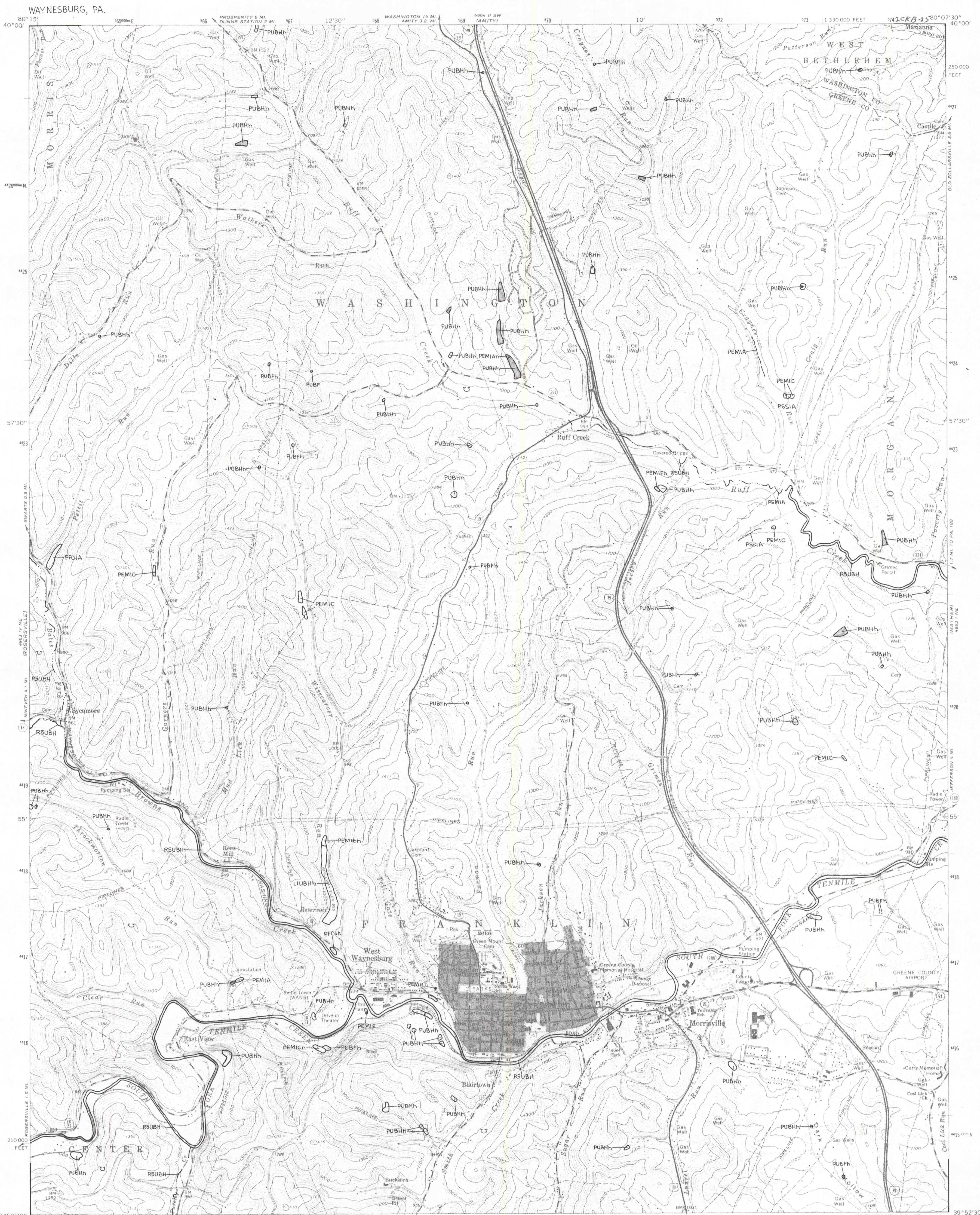


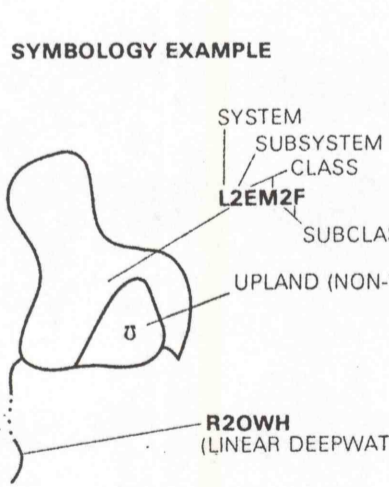
# NATIONAL WETLANDS INVENTORY

## UNITED STATES DEPARTMENT OF THE INTERIOR



**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 Deepwater Habitats of the United States (FWS/OBS - 79/31 December 1979). 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.



**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 (SB) 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

**AERIAL PHOTOGRAPHY**  
 DATE: 11/82  
 SCALE: 1:58,000  
 TYPE: CIR

SYSTEM		M - MARINE										E - ESTUARINE										L - LACUSTRINE										P - PALUSTRINE																								
SUBSYSTEM		1 - SUBTIDAL					2 - INTERTIDAL					1 - SUBTIDAL					2 - INTERTIDAL					1 - LIMNETIC					2 - LITTORAL					1 - TIDAL					2 - LOWER PERENNIAL					3 - UPPER PERENNIAL					4 - INTERMITTENT					5 - UNKNOWN PERENNIAL				
CLASS	SUBCLASS	RB - ROCK BOTTOM		UB - UNCONSOLIDATED BOTTOM		AB - AQUATIC BED		RF - REEF		OW - OPEN WATER/UNKNOWN BOTTOM		RB - ROCK BOTTOM		UB - UNCONSOLIDATED BOTTOM		AB - AQUATIC BED		RF - REEF		OW - OPEN WATER/UNKNOWN BOTTOM		RB - ROCK BOTTOM		UB - UNCONSOLIDATED BOTTOM		AB - AQUATIC BED		RF - REEF		OW - OPEN WATER/UNKNOWN BOTTOM		RB - ROCK BOTTOM		UB - UNCONSOLIDATED BOTTOM		AB - AQUATIC BED		RF - REEF		OW - OPEN WATER/UNKNOWN BOTTOM		RB - ROCK BOTTOM		UB - UNCONSOLIDATED BOTTOM		AB - AQUATIC BED		RF - REEF		OW - OPEN WATER/UNKNOWN BOTTOM						
1 Bedrock	2 Rubble	1 Cobble-Gravel	2 Sand	3 Mud	4 Organic	1 Algal	2 Aquatic Mass	3 Rooted Vascular	4 Floating Vascular	5 Unknown Submerged	6 Organic	1 Bedrock	2 Rubble	3 Mud	4 Organic	1 Algal	2 Aquatic Mass	3 Rooted Vascular	4 Floating Vascular	5 Unknown Submerged	6 Organic	1 Bedrock	2 Rubble	3 Mud	4 Organic	1 Algal	2 Aquatic Mass	3 Rooted Vascular	4 Floating Vascular	5 Unknown Submerged	6 Organic	1 Bedrock	2 Rubble	3 Mud	4 Organic	1 Algal	2 Aquatic Mass	3 Rooted Vascular	4 Floating Vascular	5 Unknown Submerged	6 Organic	1 Bedrock	2 Rubble	3 Mud	4 Organic	1 Algal	2 Aquatic Mass	3 Rooted Vascular	4 Floating Vascular	5 Unknown Submerged	6 Organic					

MODIFIERS			
WATER REGIME		WATER CHEMISTRY	
<b>Non-Tidal</b> A Temporarily Flooded B Seasonally Flooded C Occasionally Flooded D Regularly Flooded E Seasonally Flooded/Intermittently Exposed F Intermittently Flooded G Intermittently Exposed H Permanently Flooded/Intermittently Flooded I Artificially Flooded J Seasonally Exposed K Regularly Exposed L Seasonally Flooded/Intermittently Exposed M Regularly Exposed N Regularly Flooded O Regularly Flooded/Intermittently Exposed P Regularly Flooded		<b>Tidal</b> K Artificially Flooded L Subtidal M Regularly Exposed N Regularly Flooded O Regularly Flooded/Intermittently Exposed P Regularly Flooded Q Seasonally Flooded/Intermittently Exposed R Intermittently Flooded S Intermittently Exposed T Seasonally Flooded/Intermittently Exposed U Unknown	
<b>Coastal Salinity</b> 1 Hypersaline 2 Subsaline 3 Mesohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 7 Fresh		<b>Inland Salinity</b> 7 Hypersaline 8 Subsaline 9 Mesohaline (Brackish) 10 Polyhaline 11 Mesohaline 12 Oligohaline 13 Fresh	
<b>pH Modifiers for all Fresh Water</b> a Acid b Circumneutral c Alkaline		<b>SOIL</b> g Organic in Material h Bare i Partially Drained/Ditched j Farmed	
<b>SPECIAL MODIFIERS</b> k Old/Recessed l Artificial Substrate m Excavated			

\*STREAMED 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.