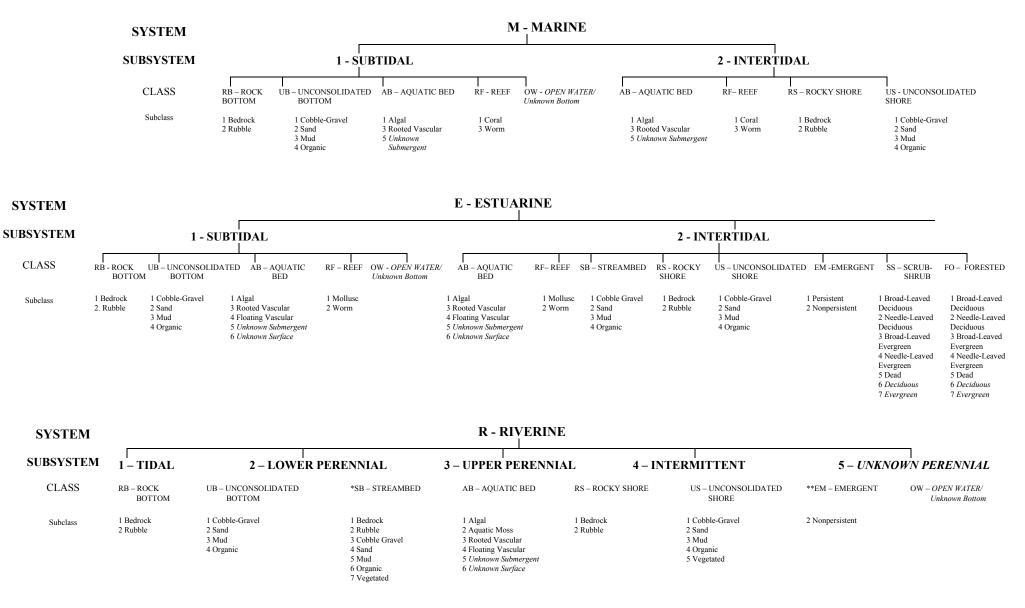
WETLANDS AND DEEPWATER HABITATS CLASSIFICATION



* 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.

Classification of Wetlands and Deepwater Habitats of the United States Cowardin ET AL. 1979 as modified for National Wetland Inventory Mapping Convention

WETLANDS AND DEEPWATER HABITATS CLASSIFICATION

SYSTEM	L- LACUSTRINE										
SUBSYSTEM		1 - LIMNE	TIC		2 - LITTORAL						
CLASS		UNCONSOLIDATED AB BOTTOM	– AQUATIC OW – OPEN WAT BED Unknown Bo		UB – UNCONSOLIDATED BOTTOM) AB – AQUATIC I BED		ICONSOLIDATED EM ORE	– EMERGENT OW – OPEN WATER/ Unknown Bottom		
Subclass	2. Rubble 2 3	Sand 2 Mud 3 Organic 4 5	Algal Aquatic Moss Rooted Vascular Floating Vascular Unknown Submergent Unknown Surface	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 Submerger 6 Unknown Surface	2. Rubble 2 Sa 3 M 4 Or	nd	2 Nonpersistent		
SYSTEM	М			P - PALUSTR	RINE						
CLASS	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM		UNCONSOLIDATED SHORE	ML – MOSS-LICHEN	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED	OW – OPEN WATER/ Unknown Bottom		
Subclass	1 Bedrock 2. Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	2 Aquatic Moss2 S3 Rooted Vascular3 N4 Floating Vascular4 C	Cobble-Gravel Sand Mud Organic Vegetated	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	1 Broad-Leaved Decidu 2 Needle-Leaved Decidu 3 Broad-Leaved Evergre 4 Needle-Leaved Evergr 5 Dead 6 Deciduous 7 Evergreen	ious een		

MODIFIERS In order to more adequately describe the wetland and deepwater habitats one or more of the water regime, water chemistry,										
	soil, or		applied at the class or lowe	•		•		stem.		
	WATI	ER CHEMISTR	Y	SOIL	SPECIAL MODIFIERS					
Non-Tidal		Tidal		Coastal Halinity	Inland Salinity	pH Modifiers for all Fresh Water				
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 W Intermittently Flooded/Temporary Y Saturated/Sennipermanent/ Seasonal Z Intermittently Exposed/Permanent U Unknown		*S Temporary-Tidal *R Seasonal-Tidal *T Semipermanent-Tidal *V Permanent-Tidal U Unknown tter regimes are only used in uenced, freshwater systems.	1 Hyperhaline 2 Euthaline 3 Mixohaline (<i>Brackish</i>) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	a Acid t Circumneutral i Alkaline	g Organic n Mineral	b Beaver d Partially Drained/Ditched f Farmed	h <i>Diked/Impounded</i> r Artificial Substrate s <i>Spoil</i> x Excavated	

NOTE: Italicized terms were added for mapping by the National Wetlands Inventory program.