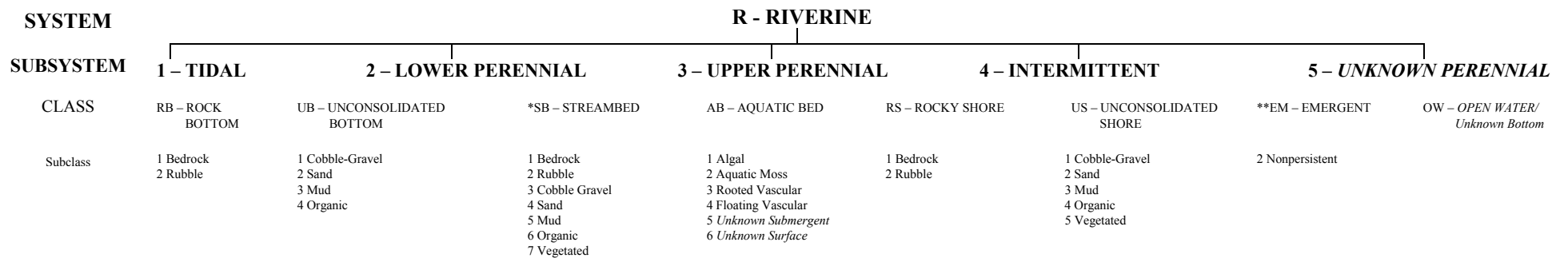
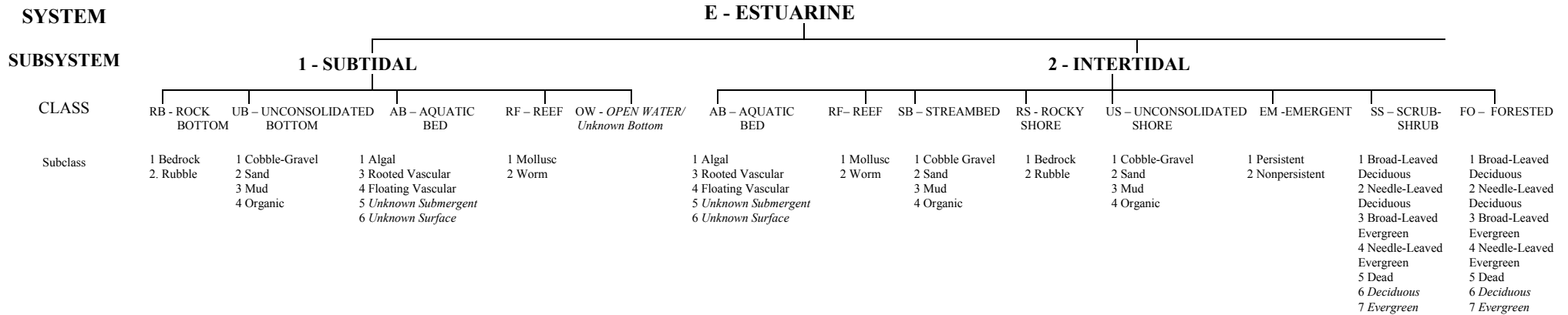
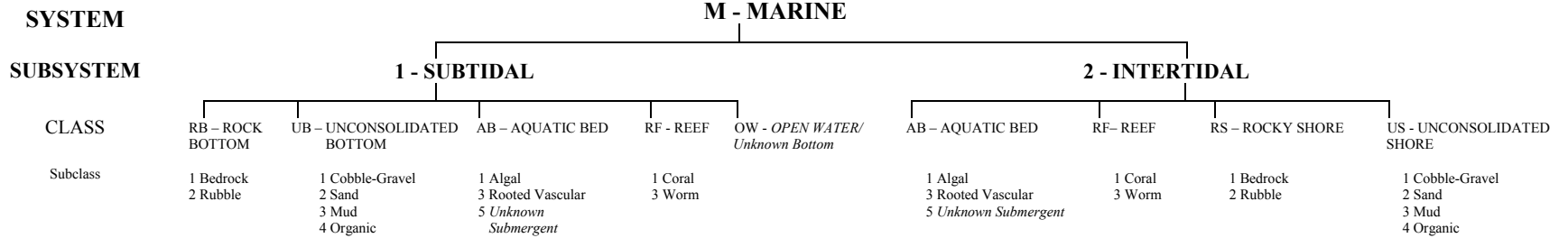


WETLANDS AND DEEPWATER HABITATS CLASSIFICATION



* 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 - LIMNETIC				2 - LITTORAL							
CLASS	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – <i>OPEN WATER/ Unknown Bottom</i>	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RS – ROCKY SHORE	US – UNCONSOLIDATED SHORE	EM – EMERGENT	OW – <i>OPEN WATER/ Unknown Bottom</i>	
Subclass	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 <i>Unknown Submergent</i> 6 <i>Unknown Surface</i>		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 <i>Unknown Submergent</i> 6 <i>Unknown Surface</i>	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent		

SYSTEM	P - PALUSTRINE									
CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	US - UNCONSOLIDATED SHORE	ML - MOSS-LICHEN	EM - EMERGENT	SS - SCRUB-SHRUB	FO - FORESTED	OW - OPEN WATER/ <i>Unknown Bottom</i>	
Subclass	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 <i>Unknown Submergent</i> 6 <i>Unknown Surface</i>	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 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 <i>Deciduous</i> 7 <i>Evergreen</i>	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 <i>Deciduous</i> 7 <i>Evergreen</i>		

MODIFIERS

In order to more adequately describe the 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 farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non-Tidal		Tidal		Coastal Halinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K <i>Artificially Flooded</i>	*S Temporary-Tidal	1 Hyperhaline	7 Hypersaline		g Organic	b <i>Beaver</i>	h <i>Diked/Impounded</i>
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal	2 Euthaline	8 Eusaline	a Acid	n Mineral	d <i>Partially Drained/Ditched</i>	r Artificial Substrate
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent-Tidal	3 Mixohaline (<i>Brackish</i>)	9 Mixosaline	t Circumneutral		f Farmed	s <i>Spoil</i>
D <i>Seasonally Flooded/Well Drained</i>	W Intermittently Flooded/Temporary	N Regularly Exposed	*V Permanent-Tidal	4 Polyhaline	0 Fresh	i Alkaline			x Excavated
E <i>Seasonally Flooded/Saturated</i>	Y Saturated/Semipermanent/Seasonal	P Irregularly Flooded	U <i>Unknown</i>	5 Mesohaline					
F Semipermanently Flooded	Z Intermittently Exposed/Permanent			6 Oligohaline					
G Intermittently Exposed	U <i>Unknown</i>			0 Fresh					
				*These water regimes are only used in tidally influenced, freshwater systems.					

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