

SYSTEM

R - RIVERINE

SUBSYSTEM I - TIDAL

CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	SB - STREAMBED	AB - AQUATIC BED	RS - ROCKY SHORE	US - UNCONSOLIDATED SHORE	EM - EMERGENT	OW - OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

STREAMBEDS 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

CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AS - AQUATIC-BED	US - 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 * Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud * Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Deciduous 4 Needle-Leaved Evergreen 5 Dead Evergreen 6 Deciduous Evergreen 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead Evergreen 6 Deciduous Evergreen 7 Evergreen	

1 - LIMNETIC

L - LACUSTRINE

2 - LITTORAL

RB - ROCK BOTTOM	US - UNCONSOLIDATED AS - AQUATIC BOTTOM	OW - OPEN WATER/ Unknown Bottom	RS - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RS - ROCKY SHORE	US - UNCONSOLIDATED SHORE	EM - EMERGENT	OW - OPEN WATER/ Unknown Bottom
1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 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 Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

In order to more adequately describe 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.

MODIFIERS

WATER REGIME

Non-Tidal

Tidal

A Temporarily Flooded	H Permanently Flooded
B Saturated	J Intermittently Flooded
C Seasonally Flooded	K Artificially Flooded
D Seasonally Flooded	L Subtidal
E Seasonally Flooded	M Irregularly Exposed
F Saturated	N Regularly Flooded
G Intermittently Exposed	P Irregularly Flooded
	Q Seasonal
	R Saturated/Semipermanent
	S Seasonal
	T Saturated/Semipermanent
	U Unknown
	V Intermittently Exposed/Permanent
	W Unknown

K Artificially Flooded	S Temporary-Tidal
L Subtidal	A Seasonal-Tidal
M Irregularly Exposed	T Semipermanent-Tidal
N Regularly Flooded	V Permanent-Tidal
P Irregularly Flooded	U Unknown

WATER CHEMISTRY

Coastal Halinity Inland Salinity PH Modifiers for ALL Fresh Water

1 Hyperhaline	7 Hypersaline	* Acid
2 Euxaline	8 Euxaline	* Circumneutral
3 Microhaline (Brackish)	9 Mesohaline	1 Alkaline
4 Polyhaline	0 Fresh	
5 Mesohaline		
6 Oligohaline		
0 Fresh		

SOIL

g Organic
h mineral

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	r Artificial Substrate
f Formed	s Spoil
	x Excavated