



Environments just above the highest high water datum, but under the partial influence of marine processes and forces.

## INTERTIDAL ENVIRONMENTS

Environments between the highest high water datum and the lowest low water datum subject to twice daily tidal flooding and all other marine forces.

Environments between the highest high water datum and the lowest low water datum subject to twice daily tidal flooding and all other marine forces.

**Flat Environments** Gently sloping or level environments composed primarily of fine sand, silt, and clay accumulated in relatively quiet water. Flats are depositional areas controlled primarily by tidal currents and sediment settling from the water column. Flat environments may be eroded temporarily by storm waves.

Environments existing below lowest low water and subject to tidal current forces and wave-generated current forces.

Flat Environments		Channel Environments		Channel Slope	
	Submerged, gently sloping, or level environments composed primarily of fine sand, silt, and clay. Includes subaqueous exposures of coarse-grained, Pleistocene glacial sediments.		Linear, intertidal and subtidal depressions carrying tidal-current water.		Gently to moderately sloping wall margins of large tidal channels. Channel slopes are confined to channel wall margins composed of sediment.
<b>Fm</b>	Mud Flat	<b>C1</b>	High-Velocity Tidal Channel	<b>Ch</b>	Abandoned Tidal Channel
<b>Fc</b>	Coarse-Grained Flat	<b>C2</b>	Medium-Velocity Tidal Channel		Former tidal channel no longer carrying flow sufficient to erode the channel floor or margin walls. Abandoned channels usually occur in salt marsh tracts where meandering of the central drainage channel cuts off former channel segments.
<b>Fe</b>	Belgrass Flat	<b>C3</b>	Low-Velocity Tidal Channel	<b>Cf</b>	Tidal Fluvial Channel
	Fine-grained and coarse-grained, shallow subtidal (low intertidal) flats which support dense stands of eelgrass ( <i>Zostera marina</i> ).		Tidal channels where maximum flow velocities probably do not exceed 1 mps.		Lower portions of river channels under tidal influence but not carrying estuarine waters.
<b>Fs</b>	Seaweed Community	<b>C4</b>	Estuarine Channel		
	Coarse-grained subtidal flats and bedrock ledges which support seaweed growth.		Tidal channels where ocean and river waters mix. Estuarine water salinities range between 0.5 ppt and 30 ppt.		
<b>Fb</b>	Upper Shoreface	<b>C5</b>	Estuarine Flood Channel	<b>FLE</b>	Tidal Creeks
	The inner subtidal slope which extends seaward from large exposed sand beaches where sediments are actively transported by bottom currents generated by storm waves. The upper shoreface is a sandy environment of constant wave shoaling under normal wave conditions.	<b>C6</b>	Estuarine Ebb Channel		Small tidal channels draining salt marshes or intertidal mud flats.
<b>Fp</b>	Lower Shoreface	<b>C7</b>	Inlet Channel	<b>FD</b>	Marsh Drainage Ditch
	The outer subtidal slope which extends seaward from the upper shoreface. The lower shoreface is affected only by currents generated by storm waves. Lower shoreface sediments grade from sand to mud in a seaward direction.		High current-velocity channels cut through barrier beaches and connecting back barrier estuaries or lagoons with the open ocean.		Man-made, rectilinear ditches dug into marshes to facilitate marsh surface drainage.
		<b>C8</b>	Dredged Channel	<b>W</b>	
			Man-made, artificially-deepened or widened tidal channel.		Approximate transition boundary between estuarine and marine (30 ppt salinity) waters and between estuarine and river (0.5 ppt) waters.
				<b>U</b>	Unit boundary.
				<b>---</b>	Approximate unit boundary.