

Southeastern Estuary Types						
Estuary Type	Drainage Area (km ²⁾	Estuarine Area (km2)	Proportion as Salt Marsh & Tidal Creeks			
Bar Built	10's-100's	10's	Large			
Coastal Plain	100's-1000's	10's - 100's	Moderate			
Piedmont	1,000's-10,000's	1,00's-1,000's	Small			
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Odum 1984 Creek Classification							
Approximate Characteristics of Marsh Creeks by Stream Order (Modified from Odum 1984)							
Stream Order	Drainage Basin (ha)	Stream Width (m)	Comments				
First order	0.25	1	Drains completely at low tide				
Second order	5	3	~ 75% of volume drains at low tide				
Third order	100's	10	~ 50% of volume drains at low tide				
Fourth order	1000's	50+	~ 25% or less drains at low tide.				
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			Tidal Creeks Proje				

Unified Classification Framework

Stream Order	Upland Creeks		Marsh Creeks		
	Drainage Basin (ha)	Stream Width (m)	Drainage Basin (ha)	Stream Width (m)	Comments
Rivulet	<1	<1-2	<1	<1-2	Drains completely at low tide
First order	62-2,425 Median = 377	1-10	15-30 Median = 27	1-10	~75% of volume drains at low tide
Second order	322-5,501 Median= 1,650	10-100	50-300 Median = 167	10-50	~ 50% of volume drains at low tide
Third order/ Tidal River	>5,000	>100	>300	50-100	~25% of volume drains at low tide
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