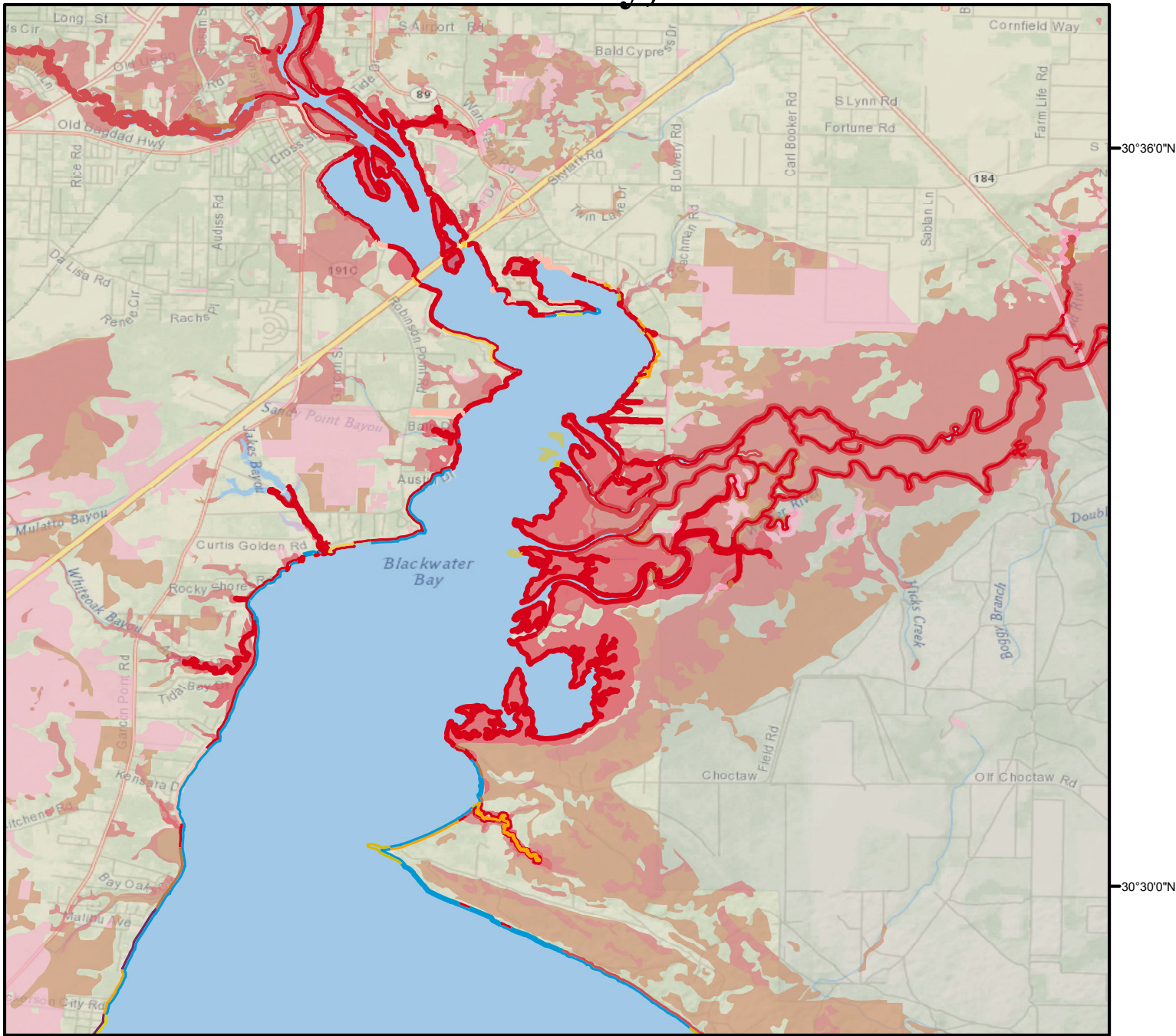
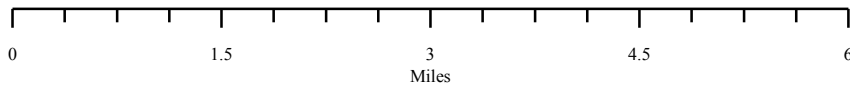


# Blackwater Bay, Florida



87°00'W

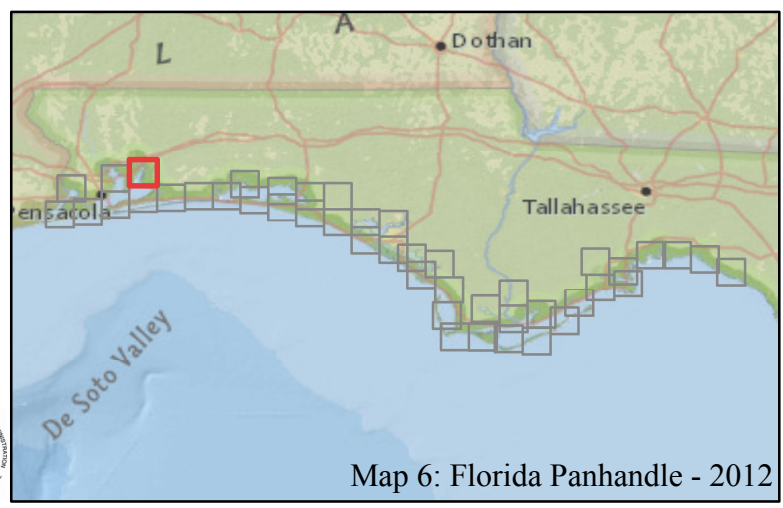


### ESI Shoreline Habitats on Map

- 10A Salt- and brackish-water marshes
- 10B Freshwater marshes
- 10C Swamps
- 10D Scrub-shrub wetlands
- 9A Sheltered tidal flats
- 9B Vegetated low banks
- 8B Sheltered, solid man-made structures
- 8C Sheltered riprap
- 7 Exposed tidal flats
- 6B Riprap
- 5 Mixed sand and gravel beaches
- 3A Fine- to medium-grained sand beaches

Additional shoreline types are present - see back of map




Content from Florida Panhandle - 2012 ESI Atlas







Map 6: Florida Panhandle - 2012



# Blackwater Bay, Florida

## BIOLOGICAL RESOURCES



Birds																			
Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	MIGRATING	MOLTING
 Diving	Brown pelican	C	-	-	X	X	X	X	X	X	X	X	X	X	X	X			
	Common loon		-	-	X	X	X	X							X	X			
 Gull/Tern	Black skimmer	C	-	-					X	X	X	X	X						
	Laughing gull		-	-	X	X	X	X	X	X	X	X	X	X	X	X			
	Least tern	T	-	-					X	X	X	X	X				Apr-Aug		
	Ring-billed gull		-	-	X	X	X	X	X	X	X	X	X	X	X	X			
 Raptor	Osprey	C	-	-	X	X	X	X	X	X	X	X	X	X	X	X			



Fish																						
Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	SPAWNING	EGGS	LARVAE	JUVENILE	ADULT	
 Diadromous	Gizzard shad			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Aug	Mar-Aug	Mar-Sep	Jan-Dec	Jan-Dec	
	Gulf sturgeon	T	T	ABUNDANT	X	X	X	X						X	X	X	Mar-May	Mar-May	Apr-Jul	Jan-Dec	Jan-Dec	
	Striped bass			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X						Jan-Dec
 Estuarine Nursery	Atlantic croaker			ABUNDANT						X	X	X							Dec-Feb	Jan-Dec	Feb-Dec	
	Atlantic sharpnose shark			PRESENT				X	X	X	X	X	X				May-Jul		Apr-Oct	Apr-Oct	Apr-Oct	
	Bay anchovy			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Feb-Oct	Feb-Nov	Mar-Nov	Jan-Dec	Jan-Dec	
	Black drum			COMMON	X	X	X	X	X	X	X	X	X	X	X	X			Jan-Apr	Jan-Dec	Jan-Dec	
	Black sea bass			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X						
	Bluefish			COMMON		X	X	X	X	X	X	X	X	X						Jun-Aug	Mar-Nov	
	Bull shark			COMMON	X	X	X	X	X	X	X	X	X	X	X	X			Apr-Jun	Jan-Dec	Jan-Dec	
	Gray snapper			ABUNDANT						X	X	X	X	X						Jul-Nov	Jun-Nov	
	Grunts			PRESENT						X	X	X	X							Jun-Sep		
	Gulf flounder			COMMON	X	X	X	X	X	X	X	X	X	X	X	X					Jan-Dec	May-Sep
	Gulf menhaden			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X					Dec-May	Jan-Dec	Feb-Oct
	Hardhead catfish			COMMON	X	X	X	X	X	X	X	X	X	X	X			May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Hogchoker			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X			Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
	Kingfishes			PRESENT	X	X	X	X	X	X	X	X	X	X	X							
	Ladyfish			COMMON	X	X	X	X	X	X	X	X	X	X	X			Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Lane snapper			PRESENT						X	X	X	X									
	Mojarras			ABUNDANT				X	X	X	X	X	X								Apr-Oct	
	Pigfish			COMMON				X	X	X	X	X									Apr-Oct	
	Pinfish			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X				Dec-Apr	Jan-Dec	Jan-Dec
	Red drum			RARE	X	X	X	X	X	X	X	X	X	X	X					Sep-Oct	Jan-Dec	Oct-Jan
	Sand seatrout			COMMON	X	X	X	X	X	X	X	X	X	X	X			Mar-Sep	Mar-Sep	Apr-Oct	Jan-Dec	Jan-Dec
	Sheepshead			COMMON	X	X	X	X	X	X	X	X	X	X	X					Mar-Jul	Jan-Dec	Jan-Dec
	Silver mullet			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X						May-Oct	Jan-Dec
Southern flounder			COMMON	X	X	X	X	X	X	X	X	X	X	X					Nov-Mar	Jan-Dec	Mar-Sep	
Spot			RARE	X	X	X	X	X	X	X	X	X	X	X					Nov-Apr	Jan-Dec	Jan-Dec	
Spotted seatrout			COMMON	X	X	X	X	X	X	X	X	X	X	X			Apr-Aug	Apr-Aug	Mar-Sep	Jan-Dec	Jan-Dec	
Striped mullet			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X					Dec-Apr	Jan-Dec	Mar-Sep	
Tarpon			RARE						X	X	X								Jul-Dec	Jan-Dec	Jan-Aug	
 Estuarine Resident	Code goby			RARE	X	X	X	X	X	X	X	X	X	X	X		Oct-Jan*	Oct-Jan*	Oct-Jan*	Jan-Dec	Jan-Dec	
	Gulf killifish			COMMON	X	X	X	X	X	X	X	X	X	X			Mar-Sep	Mar-Sep	Apr-Oct	May-Feb	Jan-Dec	
	Saltmarsh topminnow	C	C	-	X	X	X	X	X	X	X	X	X	X			Mar-Aug					
	Sheepshead minnow			COMMON	X	X	X	X	X	X	X	X	X	X			Apr-Oct	Apr-Oct	Apr-Nov	May-Feb	Jan-Dec	
	Silver perch			COMMON	X	X	X	X	X	X	X	X	X	X			Apr-Aug	Apr-Aug	Apr-Sep	Jan-Dec	Jan-Dec	
	Silversides			COMMON	X	X	X	X	X	X	X	X	X	X			Mar-Sep	Mar-Sep	Mar-Oct	Jan-Dec	Jan-Dec	
	Smalltooth sawfish	E		PRESENT	X	X	X	X	X	X	X	X	X	X						Jan-Dec	Jan-Dec	
 Freshwater	Bluegill			ABUNDANT	X	X	X	X	X	X	X	X	X	X			Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec	
	Bluenose shiner	C		-	X	X	X	X	X	X	X	X	X	X								
	Largemouth bass			COMMON	X	X	X	X	X	X	X	X	X	X			Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec	




## Blackwater Bay, Florida (continued)

Fish (continued)																								
Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	SPAWNING	EGGS	LARVAE	JUVENILE	ADULT			
 Marine Benthic	Atlantic spadefish			PRESENT						X	X	X	X	X										
	Cusk eels			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X								
	Flatfish			COMMON	X	X	X	X	X	X	X	X	X	X	X	X								
	Florida pompano			RARE						X	X	X	X	X						Jun-Nov	Jun-Nov			
	Gag grouper			PRESENT	X	X			X	X	X	X	X	X	X	X				May-Oct	Oct-Feb			
	Gray triggerfish			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X								
	Lizardfishes			ABUNDANT						X	X	X	X							Jun-Oct				
	Permit			PRESENT						X	X	X	X											
	Rays			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X								
	Red snapper			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X								
	Rock sea bass			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X								
	Searobins			COMMON					X	X	X	X	X								Apr-Sep			
	Skates			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X								
Tonguefish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X									
 Marine Pelagic	Atlantic tripletail			PRESENT	X	X	X	X	X	X	X	X	X	X	X									
	Cobia			PRESENT	X	X	X	X	X	X	X	X	X	X	X									
	Crevalle jack			COMMON					X	X	X	X	X							Jun-Nov	May-Nov			
	Scalloped hammerhead			PRESENT	X	X	X	X	X	X	X	X	X	X	X		May-Jun		Apr-Oct	Jan-Dec	Apr-Nov			
	Spanish mackerel			COMMON				X	X	X	X	X	X							Jun-Sep	Jun-Sep			
	Thread herring			COMMON								X	X	X						Sep-Nov				


(\* ) = This life stage occurs during the months listed, but not continuously.

Habitats and Rare Plants																
Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D
 Floating Aquatic Vegetation	Florida pondweed	E		-	X	X	X	X	X	X	X	X	X	X	X	X
 Plant	Beaked spikerush	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Curtiss' sandgrass	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Florida flame azalea	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Hairy-peduncled beaksedge	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Hairy wild indigo	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Hummingbird flower	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Panhandle lily	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Pine-woods bluestem	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Spoon-leaved sundew	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Sweet pitcherplant	T		-	X	X	X	X	X	X	X	X	X	X	X	X
White-top pitcherplant	E		-	X	X	X	X	X	X	X	X	X	X	X	X	


Marine Mammals																				
Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	MATING	CALVING	PUPPING	MOLTING
 Dolphin	Bottlenose dolphin			-	X	X	X	X	X	X	X	X	X	X	X	X				
 Manatee	West Indian manatee	E	E	LOW			X	X	X	X	X	X	X	X	X					

Reptiles and Amphibians																						
Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	HATCHING	INTERNESTING	JUVENILE	ADULT	
 Alligator	Florida Bog Frog	C		-	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Sep					Jan-Dec
 Amphibian	Gopher frog	C		-	X	X	X	X	X	X	X	X	X	X	X	X						
 Snake	Florida pine snake	C		-	X	X	X	X	X	X	X	X	X	X	X	X						

## Blackwater Bay, Florida (continued)






Reptiles and Amphibians (continued)																					
Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	HATCHING	INTERESTING	JUVENILE	ADULT
 Turtle	Alligator snapping turtle	C	-	-	X	X	X	X	X	X	X	X	X	X	X	X	Apr-May				
	Diamondback terrapin		-	-				X	X	X	X	X	X	X	X	X	Apr-Jun	Aug-Sep			
	Green sea turtle	E	E	RARE	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
	Hawksbill sea turtle	E	E	RARE	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
	Kemp's ridley sea turtle	E	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
	Leatherback sea turtle	E	E	RARE	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
	Loggerhead sea turtle	T	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X			Apr-Sep	Jan-Dec	Jan-Dec

### Human Use Resources

Icon	Type	Name	Contact	Phone
	Recreational Fishing	Shellfish Harvesting Area		
	Park	Yellow River Marsh Preserve State Park		
	Marina	Nichols Seafood Restaurant and Marina	DOCKMASTER	850/623-3410
	Management Area	Blackwater River Water Management Area		850/539-5999
	Management Area	Garcon Point Water Management Area		850/539-5999
	Management Area	Pensacola Bay Swim	NWFWMD SWIM	850/539-5999
	Management Area	Yellow River Marsh Aquatic Preserve		850/983-5359
	Management Area	Yellow River Water Management Area		850/539-5999
	Management Area	Yellow River Wma-escribano Point		850/957-6170
	Historical Site	Historic Property	FL SHPO	850/245-6440
	Critical Habitat	Gulf Sturgeon Critical Habitat	FWRI	
	Critical Habitat	Reticulated Flatwoods Salamander	USFWS	
	Boat Ramp	Bagdad Boat Ramp		850/983-1940
	Boat Ramp	Brown's Fish Camp		
	Boat Ramp	Dickerson City Ramp		850/983-1940
	Boat Ramp	Morrell Boat Ramp		
	Boat Ramp	Nichols Seafood Restaurant & Marina		
	Boat Ramp	Oyster Pile Boat Ramp		
	Boat Ramp	The Fish Camp		904/623-6164














### SHORELINE RESOURCES:

#### ESI Polygon Habitats

Pattern	ESI Rank	Habitat	Area (meters <sup>2</sup> )
	10A	Salt- and brackish-water marshes	7,223,376
	10B	Freshwater marshes	12,250,319
	10C	Swamps	25,699,648
	10D	Scrub-shrub wetlands	19,395,692
	7	Exposed tidal flats	86,863

## Blackwater Bay, Florida (continued)

**Shoreline Types** (Length of ESI Shoreline on Map = 233,014 meters ; Length of Shoreline on Map = 232,459 meters)

Color	ESI Rank	Shoreline Habitat	Length (meters)	% of ESI Shoreline
	10A	Salt- and brackish-water marshes	184,894	79
	10B	Freshwater marshes	5,578	2
	10C	Swamps	101,171	43
	10D	Scrub-shrub wetlands	7,172	3
	9A	Sheltered tidal flats	3,885	1
	9B	Vegetated low banks	3,448	1
	8B	Sheltered, solid man-made structures	5,666	2
	8C	Sheltered riprap	1,734	<1
	7	Exposed tidal flats	1,675	<1
	6B	Riprap	745	<1
	5	Mixed sand and gravel beaches	221	<1
	3A	Fine- to medium-grained sand beaches	18,116	7
	1B	Exposed, solid man-made structures	1,769	<1

**Note:** A shoreline segment may include multiple shoreline habitats. If any segments include multiple habitats, the combined length of all habitats will exceed the length of the mapped ESI shoreline, and the percent of ESI shoreline values will sum to greater than 100%.



Content from Florida Panhandle - 2012 ESI Atlas