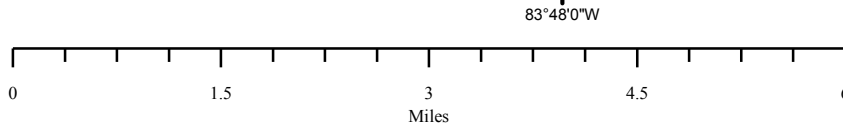
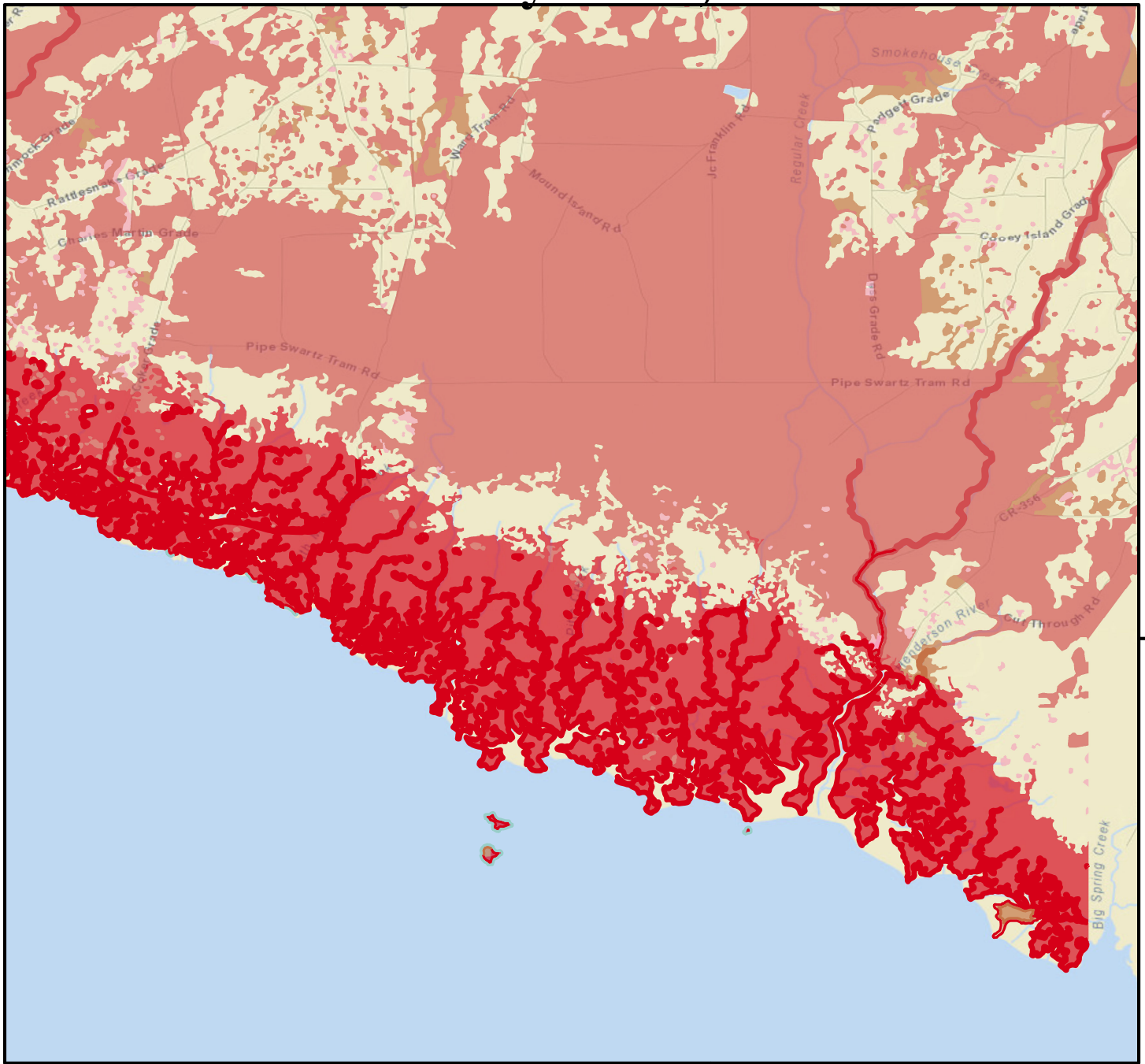
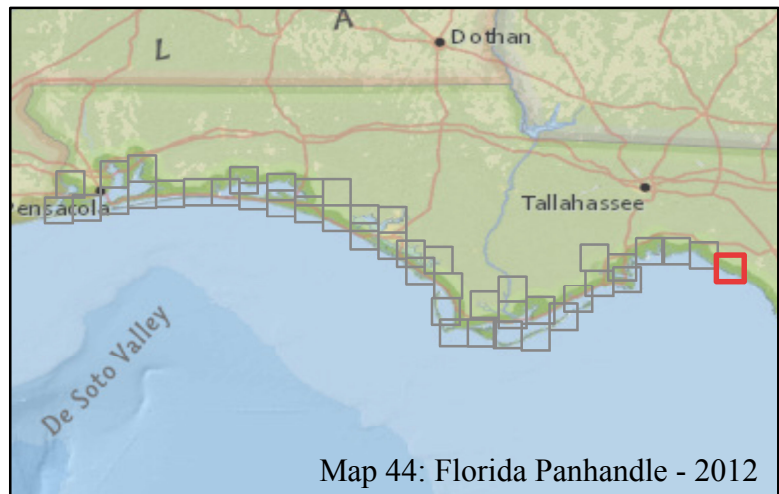


Fenholloway River, Florida









ESI Shoreline Habitats on Map


- 10A Salt- and brackish-water marshes
- 10B Freshwater marshes
- 10C Swamps
- 10D Scrub-shrub wetlands
- 5 Mixed sand and gravel beaches







Fenholloway River, 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							
	Ring-billed gull		-		X	X	X	X	X	X	X	X	X	X	X	X			
 Pelagic	Northern gannet		-		X	X	X	X								X			
 Raptor	Bald eagle		-		X	X	X	X	X	X	X	X	X	X	X	X	Nov-Jun		
	Osprey	C	-		X	X	X	X	X	X	X	X	X	X	X	X			
 Shorebird	Red knot		10		X	X	X	X	X	X	X	X	X	X	X	X			
 Waterfowl	American black duck		-		X	X	X	X						X	X	X			
	American coot		-		X	X								X	X	X	X		
	American wigeon		-		X	X	X	X						X	X	X			
	Bufflehead		100S		X	X										X			
	Canvasback		-		X	X	X								X	X			
	Common goldeneye		-		X	X	X									X			
	Gadwall		-		X	X	X							X	X	X			
	Green-winged teal		10S		X	X	X	X					X	X	X	X			
	Lesser scaup		1000S		X	X	X	X						X	X	X			
	Mallard		-		X	X	X						X	X	X	X			
	Northern pintail		-		X	X	X							X	X	X			
	Red-breasted merganser		100S		X	X	X	X						X	X	X			
	Redhead		36000-131000		X	X	X								X	X			
	Ruddy duck		-		X	X	X	X						X	X	X			
Scoters		-		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	Alabama shad	C	PRESENT		X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Apr-Dec
	Gizzard shad		COMMON		X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
	Gulf sturgeon	T	PRESENT		X	X	X							X	X	X	Mar-Aug	Mar-Aug	Mar-Aug	Oct-Apr	Oct-Apr
	Striped bass		PRESENT		X	X	X	X	X	X	X	X	X	X	X	X					Jan-Dec

Fenholloway River, 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
 Estuarine Nursery	Atlantic croaker			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Sep-Apr	Sep-Apr	Sep-Apr	Jan-Dec	Jan-Dec
	Atlantic sharpnose shark			ABUNDANT				X	X	X	X	X	X	X			May-Jul		Apr-Oct	Apr-Oct	Apr-Oct
	Bay anchovy			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Jan-Nov	Jan-Nov	Jan-Dec	Mar-Dec	Jan-Dec
	Black drum			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Nov-Apr	Nov-Apr	Dec-May	Jan-Dec	Jan-Dec
	Black sea bass			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Dec-Apr	Dec-Apr	Dec-May	Jan-Dec	Jan-Dec
	Bluefish			COMMON			X	X	X	X	X	X	X	X	X	X	Sep-Jan*	Sep-Jan*	Sep-Jan*	Jan-Dec	Jan-Dec
	Bonnethead shark			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Nov		Aug-Sep	Oct-Jan*	Jul-May
	Bull shark			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Jun-Aug		Apr-Jun	Jan-Dec	Jan-Dec
	Gray snapper			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Jun-Nov	Jun-Nov	Jun-Dec	Jan-Dec	Jan-Dec
	Grunts			PRESENT			X	X	X	X	X	X	X	X	X	X				Jun-Sep	
	Gulf flounder			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Nov-Feb	Nov-Feb	Nov-Mar	Jan-Dec	Jan-Dec
	Gulf menhaden			ABUNDANT					X	X	X	X	X	X			Oct-Mar	Oct-Mar	Oct-Apr	Jan-Dec	Jan-Dec
	Hardhead catfish			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Hogchoker			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
	Kingfishes			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X					
	Ladyfish			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Jan-Nov	Jan-Nov	Jan-Dec	Jan-Dec	Jan-Dec
	Lane snapper			PRESENT							X	X	X	X			Sep-Jan*	Sep-Jan*	Sep-Jan*	Sep-Jan*	Sep-Jan*
	Mojarras			PRESENT							X	X	X	X	X	X	Apr-Nov	Apr-Nov	Apr-Nov		Apr-Nov
	Pigfish			PRESENT	X	X	X	X	X								Jan-May	Jan-May	Jan-May		Jan-May
	Pinfish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Apr	Oct-Apr	Oct-Apr	Jan-Dec	Jan-Dec
	Porgy spp.			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Jan-Aug	Jan-Aug	Jan-Sep	Jan-Dec	Apr-Dec
	Red drum			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Sep-Dec	Sep-Dec	Sep-Feb	Jan-Dec	Jan-Dec
	Sand seatrout			HIGHLY-ABUNDANT			X	X	X	X	X	X	X				Mar-Sep	Mar-Sep	Mar-Oct	Jan-Dec	Jan-Dec
	Sheepshead			RARE	X	X	X	X	X	X	X	X	X	X	X	X	Feb-Apr	Feb-Apr	Feb-Jul	Jan-Dec	Jan-Dec
	Silver mullet			COMMON	X	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	X	Nov-Jan	Nov-Jan	Oct-May	Jan-Dec	Jan-Dec
	Spot			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Apr	Oct-Apr	Oct-Apr	Jan-Dec	Jan-Dec
	Spotted seatrout			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Dec	Apr-Sep	Apr-Oct	Jan-Dec	Jan-Dec
	Striped mullet			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Mar	Oct-Mar	Oct-May	Jan-Dec	Jan-Dec
	Tarpon			COMMON	X	X	X	X	X	X	X	X	X	X	X	X			Aug-Dec	Jan-Dec	Jun-Aug
Yellowfin menhaden			RARE	X	X	X	X	X	X	X	X	X	X	X	X	Jan-Dec	Apr-Nov	Jan-Dec	Jan-Dec	Jan-Dec	
 Estuarine Resident	Code goby			COMMON	X	X	X	X	X	X	X	X	X	X	X	Mar-Aug	Mar-Aug	Mar-Sep	Jan-Dec	Jan-Dec	
	Gulf killifish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	Apr-Aug	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec	
	Sheepshead minnow			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	Apr-Sep	Apr-Oct	Apr-Nov	Jan-Dec	Jan-Dec	
	Silver perch			COMMON	X	X	X	X	X	X	X	X	X	X	X	Mar-Aug	Mar-Sep	Mar-Sep	Jan-Dec	Jan-Dec	
	Silversides			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	
	Smalltooth sawfish	E		PRESENT	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec	
 Fish	Vermillion snapper			COMMON				X	X	X	X	X	X	X	Apr-Nov	Apr-Nov	Apr-Nov	Apr-Nov	Apr-Nov		
 Freshwater	Bluegill			ABUNDANT	X	X	X	X	X	X	X	X	X	X	Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec		
	Largemouth bass			ABUNDANT	X	X	X	X	X	X	X	X	X	X	Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec		

Fenholloway River, 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				May-Sep	May-Sep	May-Oct	Jan-Dec	Jan-Dec	
	Cusk eels			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Flatfish			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Florida pompano			COMMON				X	X	X	X	X						Mar-Oct	Mar-Oct	Mar-Sep	Mar-Nov	Apr-Sep
	Gag grouper			COMMON	X	X			X	X	X	X	X	X	X	X					May-Oct	Oct-Feb
	Goatfishes			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X		Mar-Jun	Mar-Jun	Mar-Jul	Jan-Dec	Jan-Dec
	Gray triggerfish			HIGHLY-ABUNDANT				X	X	X	X	X	X	X	X			May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Little tunny			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X						
	Lizardfishes			COMMON	X	X	X	X	X									Apr-Aug	Apr-Aug	Apr-Oct	Jan-Dec	Jan-Dec
	Permit			PRESENT						X	X	X	X					Apr-Jun	Apr-Jun	Mar-Oct	Aug-Nov	Mar-Nov
	Rays			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec		Jan-Dec	Jan-Dec
	Red snapper			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X		May-Oct	May-Oct	May-Nov	Apr-Jan	Apr-Jan
	Rock sea bass			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X		Mar-Jun	Mar-Jun	Mar-Jul	Jan-Dec	Jan-Dec
	Scamp grouper			HIGHLY-ABUNDANT			X	X	X	X	X	X	X	X	X			Mar-May	Mar-May	Mar-Jun	Mar-Nov	Apr-Nov
	Searobins			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Skates			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec		Jan-Dec	Jan-Dec
Tonguefish			COMMON	X	X	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	
 Marine Pelagic	Amberjacks			HIGHLY-ABUNDANT				X	X	X	X	X	X	X	X		Apr-Nov	Apr-Nov	Apr-Dec	Apr-Dec	Apr-Dec	
	Atlantic tripletail			PRESENT	X	X	X	X	X	X	X	X	X	X	X			May-Sep	May-Sep	May-Oct	Jan-Dec	Jan-Dec
	Ballyhoo			PRESENT					X	X	X											
	Bigeye scad			PRESENT	X	X	X	X	X	X	X	X	X	X	X			Jun-Nov	Jun-Nov	Jun-Dec	Jan-Dec	Jan-Dec
	Blackfin tuna			PRESENT				X	X	X	X	X	X	X	X			Apr-Dec	Apr-Dec	Apr-Dec	Apr-Dec	Oct
	Blacknose shark			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X			May-Jul		May-Oct	May-Oct	Jan-Dec
	Blacktip shark			ABUNDANT		X	X	X	X	X	X	X	X	X	X			May-Jun		May-Sep	Mar-Nov	Apr-Nov
	Blue runner			COMMON					X	X	X	X						Apr-Aug	Apr-Aug	Apr-Sep	Jan-Dec	Jan-Dec
	Bluefin tuna	C		PRESENT				X	X	X								Apr-Jun	Apr-Jun	Apr-Jun	Apr-Jun	Apr-Jun
	Cobia			PRESENT	X	X	X	X	X	X	X	X	X	X	X			May-Sep	May-Sep	May-Sep	Mar-Nov	Mar-Nov
	Crevalle jack			COMMON			X	X	X	X	X	X	X	X	X			Apr-Aug	Apr-Aug	Apr-Sep	Jan-Dec	Jan-Dec
	Dolphin			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X			Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jul-Aug
	King mackerel			PRESENT					X	X	X	X						Jun-Oct	Jun-Oct	Jun-Oct	Jun-Nov	Jun-Nov
	Red grouper			PRESENT	X	X	X	X	X	X	X	X	X	X	X			Mar-Jul				Jan-Dec
	Round scad			PRESENT	X	X	X	X	X	X	X	X	X	X	X			Sep-Jan*	Sep-Jan*	Sep-Jan*	Jan-Dec	Jan-Dec
	Scalloped hammerhead			-	X	X	X	X	X	X	X	X	X	X	X			May-Jun		Apr-Oct	Jan-Dec	Apr-Nov
	Spanish mackerel			RARE	X	X	X	X	X	X	X	X	X	X	X			May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec
	Spanish sardine			PRESENT	X	X	X	X	X	X	X	X	X	X	X			Mar-Nov	Mar-Nov	Mar-Nov	Jan-Dec	Jan-Dec
Thread herring			COMMON	X	X	X	X	X	X	X	X	X	X	X			Mar-Sep	Mar-Sep	Mar-Sep	Apr-Dec	Jan-Dec	
Wahoo			COMMON	X	X	X	X	X	X	X	X	X	X	X			Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec	

(*) = 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
 Plant	Corkwood	T		-	X	X	X	X	X	X	X	X	X	X	X	X
 Wetland	Pondspice	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					





Reptiles and Amphibians

Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	NESTING	HATCHING	INTERESTING	JUVENILE	ADULT
 Alligator	American alligator		S	-	X	X	X	X	X	X	X	X	X	X	X	X	May-Jul	Aug-Sep			

Fenholloway River, 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	Gopher tortoise	T		-	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Dec				
	Green sea turtle	E	E	RARE	X	X	X	X	X	X	X	X	X	X	X	X			May-Nov	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
	Suwannee cooter	C		-	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Aug				

Human Use Resources



Icon	Type	Name	Contact	Phone
	Park	Econfina River State Park		
	Management Area	Big Bend Seagrasses Aquatic Preserve		352/563-0450
	Management Area	Big Bend Wildlife Management Area	BRENT HOWZE, AREA BIOLOGIST; DAVID NICHOLSON, DISTRICT BIOLOGIST	850/838-9016
	Management Area	Econfina Conservation Area		386/362-1001

SHORELINE RESOURCES:

ESI Polygon Habitats

Pattern	ESI Rank	Habitat	Area (meters ²)
	10A	Salt- and brackish-water marshes	28,112,041
	10B	Freshwater marshes	1,342,982
	10C	Swamps	75,871,772
	10D	Scrub-shrub wetlands	2,617,821

Shoreline Types (Length of ESI Shoreline on Map = 440,258 meters ; Length of Shoreline on Map = 430,281 meters)

Color	ESI Rank	Shoreline Habitat	Length (meters)	% of ESI Shoreline
	10A	Salt- and brackish-water marshes	414,150	94
	10B	Freshwater marshes	492	<1
	10C	Swamps	29,381	6
	10D	Scrub-shrub wetlands	4,109	<1
	5	Mixed sand and gravel beaches	2,506	<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%.

