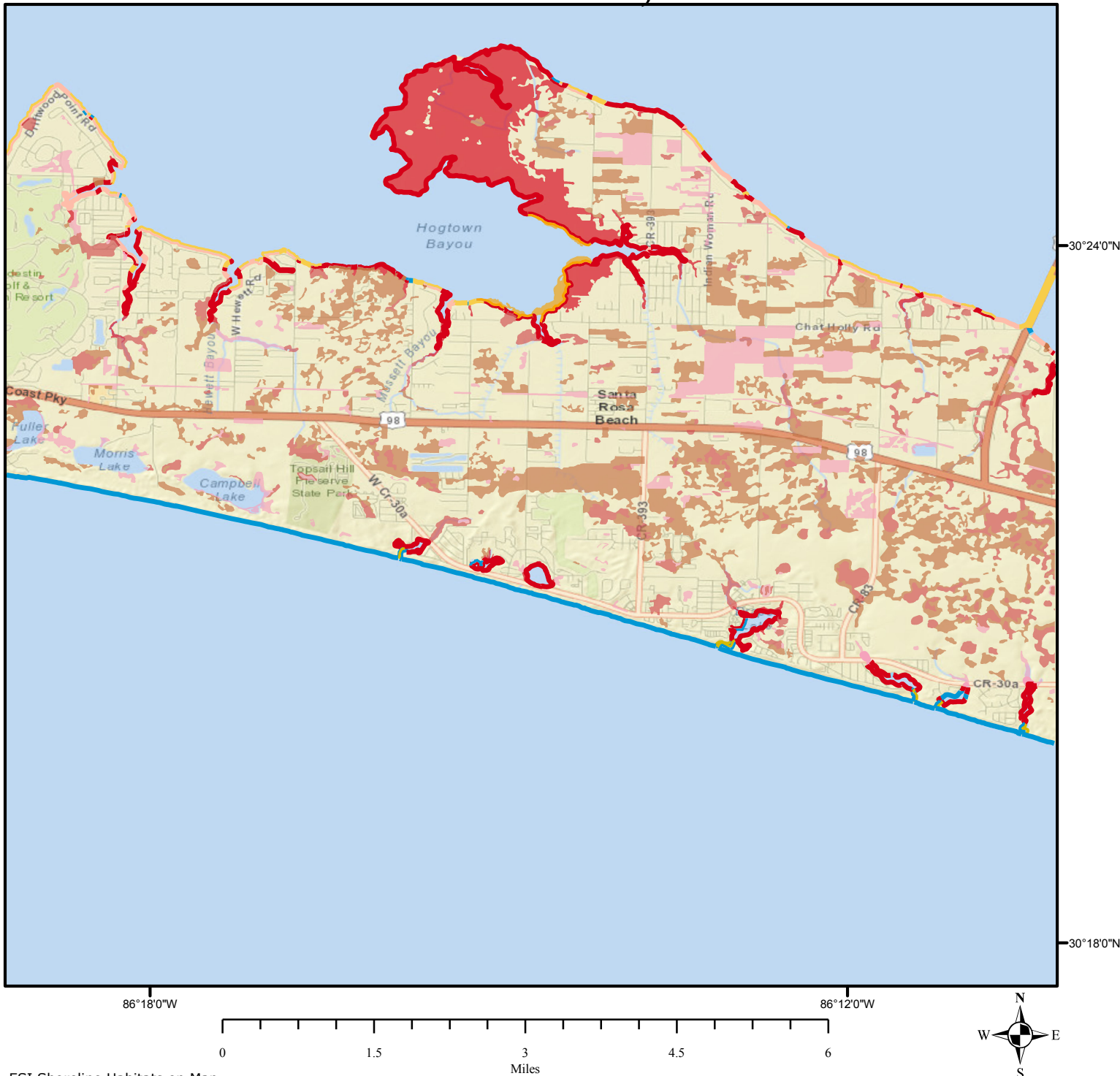
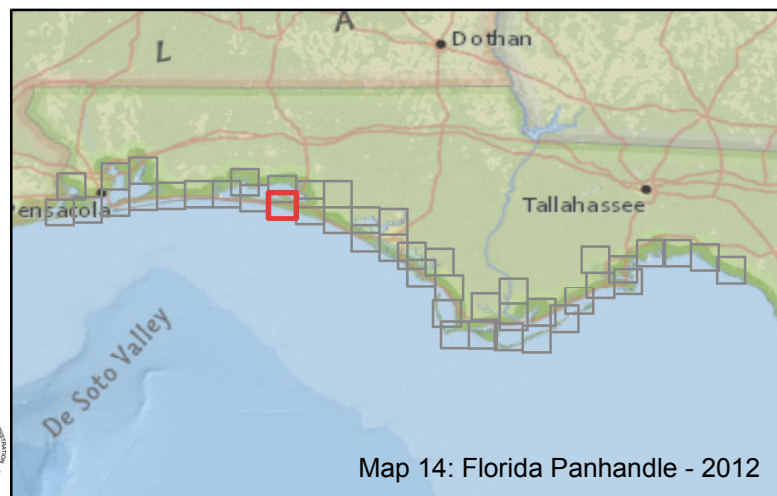


Santa Rosa Beach, Florida



ESI Shoreline Habitats on Map









- 10A Salt- and brackish-water marshes
- 10B Freshwater marshes
- 10C Swamps
- 10D Scrub-shrub wetlands
- 9A Sheltered tidal flats
- 8B Sheltered, solid man-made structures
- 8C Sheltered riprap
- 7 Exposed tidal flats
- 4 Coarse-grained sand beaches
- 3A Fine- to medium-grained sand beaches
- 3B Scarps and steep slopes in sand




Santa Rosa, 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			
	Double-crested cormorant			OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X			
 Gull/Tern	Black skimmer	C		-						X	X	X	X	X					
	Black tern			COMMON	X	X	X	X			X	X	X	X	X	X			
	Common tern			COMMON	X	X			X	X	X	X	X	X	X	X			
	Forster's tern			COMMON	X	X	X	X	X	X	X	X	X	X	X	X			
	Gull-billed tern			OCCASIONAL			X	X	X	X	X	X	X	X	X	X			
	Herring gull			COMMON	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			LESS-COMMON	X	X	X	X	X					X	X	X			
	Royal tern			COMMON	X	X	X	X	X	X	X	X	X	X	X	X			
	Sandwich tern			COMMON	X	X	X	X					X	X	X	X			
 Passerine	Red-cockaded woodpecker	E	E	-	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Jul		
 Pelagic	Northern gannet			-	X	X	X	X							X				
 Raptor	Bald eagle			OCCASIONAL	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	Black-bellied plover			LESS-COMMON	X	X	X	X	X		X	X	X	X	X	X			
	Dunlin			LESS-COMMON	X	X	X	X	X			X	X	X	X	X			
	Least sandpiper			LESS-COMMON	X	X	X	X	X		X	X	X	X	X	X			
	Lesser yellowlegs			OCCASIONAL	X	X	X	X	X			X	X	X	X	X			
	Piping plover	T	T	LESS-COMMON	X	X	X	X	X			X	X	X	X	X			
	Ruddy turnstone			LESS-COMMON	X	X	X	X			X	X	X	X	X	X			
	Sanderling			COMMON	X	X	X	X	X		X	X	X	X	X	X			
	Semipalmated plover			LESS-COMMON	X	X	X	X	X		X	X	X	X	X	X			
	Short-billed dowitcher			OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X			
	Snowy plover	T		2-ADULTS		X	X	X	X	X	X	X					Mar-Aug		
	Willet			LESS-COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Jul		
	Wilson's plover			OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X			
 Wading	Clapper rail			4	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Jul		
	Great blue heron			COMMON	X	X	X	X	X	X	X	X	X	X	X	X			
	Great egret			OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X			
	Green heron			LESS-COMMON	X	X	X	X	X	X	X	X	X	X	X	X			
	Reddish egret	C		OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X			
	Snowy egret	C		OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X			
	Yellow-crowned night-heron			OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	X			
 Waterfowl	American coot			100S	X	X						X	X	X	X				
	Lesser scaup			100S	X	X	X	X					X	X	X				
	Red-breasted merganser			100S	X	X	X	X					X	X	X				
	Redhead			10S	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	Alabama shad	C		PRESENT	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Feb-Dec
	Gizzard shad			RARE	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
	Gulf sturgeon	T	T	ABUNDANT	X	X	X	X						X	X	X				Oct-Apr	Oct-Apr

Santa Rosa, 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			ABUNDANT	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			PRESENT					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	Mar-Oct	Mar-Oct	Mar-Oct	Jan-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			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	Dec-Apr	Dec-Apr	Dec-May	Jan-Dec	Jan-Dec
	Bluefish			ABUNDANT			X	X	X	X	X	X	X	X	X		Sep-Jan*	Sep-Jan*	Sep-Jan*	Jan-Dec	Jan-Dec
	Bonnethead shark			PRESENT	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-Jul		Apr-Jun	Jan-Dec	Jan-Dec
	Gray snapper			COMMON	X						X	X	X	X	X	X	Jun-Nov	Jun-Nov	Jun-Dec	Jan-Dec	Jan-Dec
	Grunts			PRESENT							X	X	X	X						Jun-Sep	
	Gulf flounder			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X			Dec-Mar	Jan-Dec	Jan-Oct
	Gulf menhaden			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Mar	Oct-Mar	Aug-Apr	Jan-Dec	Jan-Dec
	Hardhead catfish			COMMON	X	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	X	Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
	Kingfishes			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X				Apr-Nov	
	Ladyfish			COMMON	X	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			Sep-Jan*	Sep-Jan*	Sep-Jan*	Sep-Jan*	Sep-Jan*
	Mojarras			COMMON							X	X	X	X	X	X	Apr-Nov	Apr-Nov	Apr-Nov	Jul-Dec	Apr-Nov
	Pigfish			ABUNDANT				X	X	X	X	X	X	X			Jan-May	Jan-May	Jan-May	Apr-Oct	Jan-May
	Pinfish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Apr	Oct-Apr	Oct-Jul	Jan-Dec	Jan-Dec
	Porgy spp.			ABUNDANT	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-Dec	Jan-Dec	Jan-Dec
	Sand seatrout			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Sep	Mar-Sep	Mar-Oct	Jan-Dec	Jan-Dec
	Sheepshead			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Feb-Apr	Feb-Apr	Feb-Jul	Jan-Dec	Jan-Dec
	Silver mullet			ABUNDANT	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	Nov-Feb	Jan-Dec	Mar-Jan
	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			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Dec	Apr-Sep	Mar-Oct	Jan-Dec	Jan-Dec
	Striped mullet			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Mar	Oct-Mar	Oct-Mar	Jan-Dec	Jan-Dec
	Tarpon			COMMON	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jun-Aug
	Yellowfin menhaden			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	Dec-Mar			Jan-Dec	Jan-Dec
 Estuarine Resident	Code goby			COMMON	X	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	X	X	Mar-Sep	Mar-Sep	Apr-Oct	May-Feb	Jan-Dec
	Sheepshead minnow			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Nov	Apr-Nov	Apr-Nov	May-Feb	Jan-Dec
	Silver perch			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Apr-Aug	Apr-Aug	Apr-Sep	Jan-Dec	Jan-Dec
	Silversides			ABUNDANT	X	X	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	X	X				Jan-Dec	Jan-Dec
 Fish	Vermillion snapper			COMMON				X	X	X	X	X	X	X	X	X	Apr-Nov	Apr-Nov	Apr-Nov	Apr-Nov	Apr-Nov
 Marine Benthic	Atlantic spadefish			PRESENT						X	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			COMMON				X	X	X	X	X	X				Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Florida pompano			HIGHLY-ABUNDANT			X	X	X	X	X	X	X	X	X	X	Mar-Oct	Mar-Oct	Mar-Sep	Mar-Nov	
	Gag grouper			COMMON	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			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Little tunny			COMMON	X	X	X	X	X	X	X	X	X	X	X	X					
	Lizardfishes			COMMON				X	X	X	X	X	X	X	X	X	Apr-Aug	Apr-Aug	Apr-Oct	Jan-Dec	Jan-Dec
	Permit			PRESENT						X	X	X	X	X			Apr-Jun	Apr-Jun	Mar-Oct	Aug-Nov	Mar-Nov
	Rays			COMMON	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			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Jun	Mar-Jun	Mar-Jul	Jan-Dec	Jan-Dec
	Scamp grouper			ABUNDANT			X	X	X	X	X	X	X	X	X	X	Mar-May	Mar-May	Mar-Jun	Mar-Nov	Apr-Nov
	Searobins			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Skates			COMMON	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			Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec



Santa Rosa, 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 Pelagic	Amberjacks			ABUNDANT				X	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	X	May-Sep	May-Sep	May-Oct	Jan-Dec	Jan-Dec
	Bigeye scad			PRESENT	X	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	X	Apr-Dec	Apr-Dec	Apr-Dec	Apr-Dec	Oct
	Blacktip shark			PRESENT			X	X	X	X	X	X	X	X	X	X	May-Jun		May-Sep	Mar-Nov	Apr-Nov
	Blue runner			ABUNDANT	X	X	X	X	X	X	X	X	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			COMMON		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	Apr-Aug	Apr-Aug	Apr-Sep	Jan-Dec	Jan-Dec
	Dolphin			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jul-Aug
	King mackerel			COMMON						X	X	X	X	X	X	X	Jun-Oct	Jun-Oct	Jun-Oct	Jun-Nov	Jun-Nov
	Red grouper			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Jul				Jan-Dec
	Round scad			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Sep-Jan*	Sep-Jan*	Sep-Jan*	Jan-Dec	Jan-Dec
	Scalloped hammerhead			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	May-Jun		Apr-Oct	Jan-Dec	Apr-Nov
	Skipjack tuna			PRESENT				X	X	X	X	X	X	X			Apr-Oct	Apr-Oct	Apr-Oct	Apr-Oct	Apr-Oct
	Spanish mackerel			PRESENT				X	X	X	X	X	X	X	X	X	May-Oct	May-Oct	May-Oct	May-Oct	May-Oct
	Spanish sardine			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Mar-Nov	Mar-Nov	Mar-Nov	Jan-Dec	Jan-Dec
	Thread herring			PRESENT						X	X	X	X	X			Mar-Sep	Mar-Sep	Mar-Sep	Apr-Dec	Jan-Dec
	Tiger shark			-							X	X							Jul-Aug	Jul-Aug	
	Wahoo			HIGHLY-ABUNDANT	X	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	Cruise's goldenaster	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
	Godfrey's goldenaster	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Gulf Coast lupine	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Harper's yellow-eyed grass	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Large-leaved jointweed	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Panhandle spiderlily	E		-	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
	Wiregrass gentian	E		-	X	X	X	X	X	X	X	X	X	X	X	X
 Wetland	Southern milkweed	T		-	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	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
 Turtle	Diamondback terrapin			-			X	X	X	X	X	X	X	X	X	X	Apr-Jun	Aug-Sep			
	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	Jun-Aug	Aug-Nov	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	Jul-Aug	Sep-Oct		Jan-Dec	Jan-Dec
	Loggerhead sea turtle	T	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	May-Aug	Jul-Oct	Apr-Sep	Jan-Dec	Jan-Dec

Terrestrial Mammals

Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D
 Small Mammal	Choctawhatchee beach mouse	E	E	-	X	X	X	X	X	X	X	X	X	X	X	X


Santa Rosa, Florida (continued)

Human Use Resources











Icon	Type	Name	Contact	Phone
	Recreational Fishing	Shellfish Harvesting Area		
	Recreational Fishing	Us 331 Fishing Pier-south		
	Park	Grayton Beach State Recreation Area		
	Park	Topsail Hill Preserve State Park		
	Management Area	Choctawatchee Bay Swim	NWFWMD SWIM	850/539-5999
	Management Area	Choctawatchee River Water Ma		850/539-5999
	Management Area	Point Washington State Forest	FORESTRY RESOURCE ADMINISTRATOR	850/231-5800
	Historical Site	Historic Property	FL SHPO	850/245-6440
	Critical Habitat	Choctawatchee Beach Mouse	USFWS	
	Critical Habitat	Gulf Sturgeon Critical Habitat	FWRI	
	Boat Ramp	Chas E Cessna Landing		850/892-8703
	Boat Ramp	Choctawatchee Bay Ramp South		850/892-8703
	Boat Ramp	Unknown Boat Ramp		
	Beach	County Bchs		
	Access	Access		

SHORELINE RESOURCES:

ESI Polygon Habitats

Pattern	ESI Rank	Habitat	Area (meters ²)
	10A	Salt- and brackish-water marshes	4,869,821
	10B	Freshwater marshes	3,600,312
	10C	Swamps	3,609,255
	10D	Scrub-shrub wetlands	11,371,412
	9A	Sheltered tidal flats	235,196

Shoreline Types (Length of ESI Shoreline on Map = 84,397 meters ; Length of Shoreline on Map = 80,251 meters)

Color	ESI Rank	Shoreline Habitat	Length (meters)	% of ESI Shoreline
	10A	Salt- and brackish-water marshes	47,554	56
	10B	Freshwater marshes	797	<1
	10C	Swamps	1,306	1
	10D	Scrub-shrub wetlands	930	1
	9A	Sheltered tidal flats	3,408	4
	8B	Sheltered, solid man-made structures	14,597	17
	8C	Sheltered riprap	12,792	15
	7	Exposed tidal flats	2,189	2
	4	Coarse-grained sand beaches	70	<1
	3A	Fine- to medium-grained sand beaches	18,293	21

Santa Rosa, Florida (continued)

Shoreline Types (continued)

Color	ESI Rank	Shoreline Habitat	Length (meters)	% of ESI Shoreline
	3B	Scarps and steep slopes in sand	758	<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