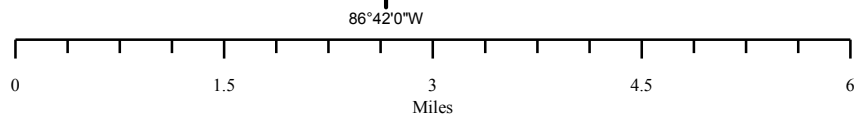
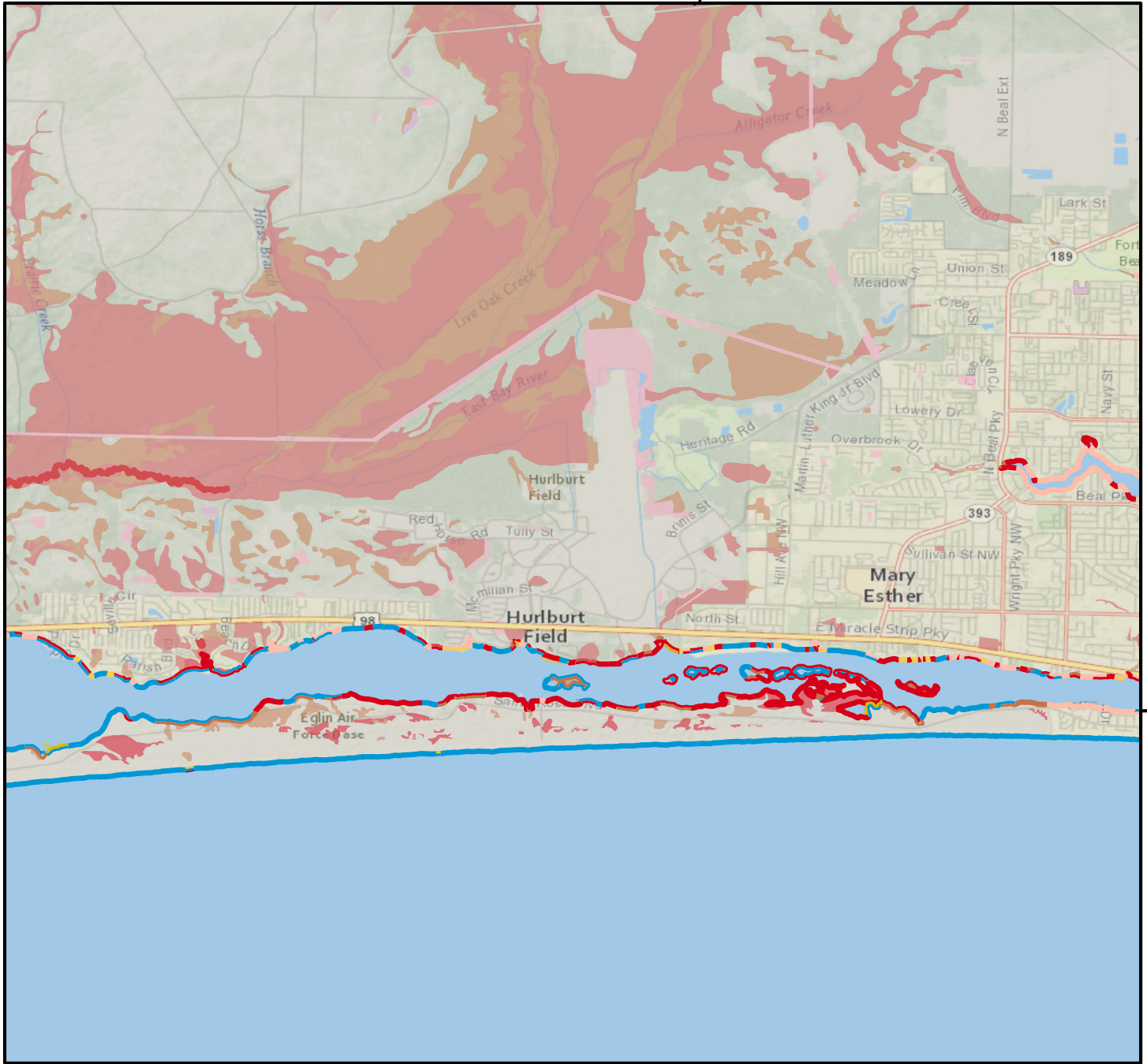
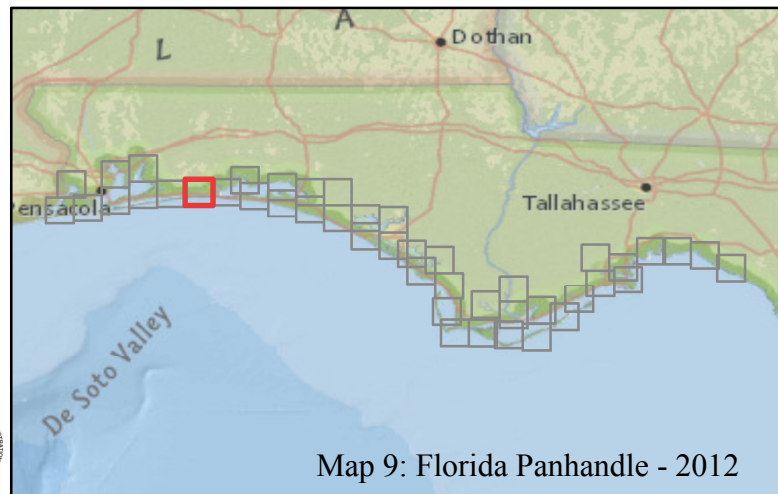


# Santa Rosa Island, Florida









## 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
- 6B Riprap
- 3A Fine- to medium-grained sand beaches
- 1B Exposed, solid man-made structures







# Santa Rosa Island, Florida

## BIOLOGICAL RESOURCES



<b>Birds</b>																			
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					
	Common tern			COMMON	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			
	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				Apr-Aug		
	Ring-billed gull			-	X	X	X	X	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			
 Passerine	Red-cockaded woodpecker	E	E	-	X	X	X	X	X	X	X	X	X	X	X	Apr-Jul			
 Pelagic	Northern gannet			-	X	X	X	X							X				
 Raptor	Osprey	C		-	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				
	Piping plover	T	T	LESS-COMMON	X	X	X	X	X			X	X	X	X				
	Ruddy turnstone			LESS-COMMON	X	X	X	X			X	X	X	X	X				
	Sanderling			COMMON	X	X	X	X	X		X	X	X	X	X				
	Semipalmated plover			LESS-COMMON	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				
	Snowy plover	T		37-65-NESTS	X	X	X	X	X	X	X	X	X	X	X	Mar-Aug			
	Willet			LESS-COMMON	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				

<b>Fish</b>																					
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					Jan-Dec	Feb-Dec
	Gizzard shad			RARE	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	Mar-May	Mar-May	Apr-Jul	Jan-Dec	Jan-Dec	
	Striped bass			PRESENT	X	X	X	X	X	X	X	X	X	X	X					Jan-Dec	


## Santa Rosa Island, 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					Sep-Apr	Sep-Apr	Sep-Apr	Jan-Dec	Jan-Dec	
	Atlantic sharpnose shark			PRESENT				X	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	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	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-Aug		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			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	Oct-Mar	Oct-Mar	Aug-May	Jan-Dec	Jan-Dec	
	Hardhead catfish			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	May-Aug	Apr-Aug	Apr-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			ABUNDANT				X	X	X	X	X	X				Apr-Nov	Apr-Nov	Apr-Nov	Apr-Dec	Apr-Nov	
	Pigfish			ABUNDANT				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.			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	Jan-Aug	Jan-Aug	Jan-Sep	Jan-Dec	Apr-Dec	
	Red drum			RARE	X	X	X	X	X	X	X	X	X	X	X	X	Sep-Dec	Sep-Dec	Sep-Dec	Jan-Dec	Jan-Dec	
	Sand seatrout			COMMON	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-Mar	Jan-Dec	Jan-Dec	
	Spot			RARE	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-May	Jan-Dec	Jan-Dec	
	Tarpon			RARE							X	X	X						Aug-Dec	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			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	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	Apr-Nov	Apr-Nov	Apr-Nov	May-Feb	Jan-Dec		
	Silver perch			COMMON	X	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	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				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	X	Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec		
	Largemouth bass			COMMON	X	X	X	X	X	X	X	X	X	X	X	Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec		

## Santa Rosa Island, 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			COMMON				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	Jun-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					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			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				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						Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
 Marine Pelagic	Amberjacks			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
	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				Apr-Dec	Apr-Dec	Apr-Dec	Apr-Dec	Oct
	Blacktip shark			PRESENT			X	X	X	X	X	X	X					May-Jun		May-Sep	Mar-Nov	Apr-Nov
	Blue runner			COMMON				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			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					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			COMMON						X	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			ABUNDANT	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			May-Jun		Apr-Oct	Jan-Dec	Apr-Nov
	Skipjack tuna			PRESENT				X	X	X	X	X						Apr-Oct	Apr-Oct	Apr-Oct	Apr-Oct	Apr-Oct
	Spanish mackerel			PRESENT				X	X	X	X	X	X					May-Oct	May-Oct	May-Oct	May-Oct	Apr-Oct
	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			PRESENT						X	X	X	X					Mar-Sep	Mar-Sep	Mar-Sep	Apr-Dec	Jan-Dec	
Wahoo			HIGHLY-ABUNDANT	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
	Hairy wild indigo	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Karst pond xyris	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Many-flowered grass-pink	E		-	X	X	X	X	X	X	X	X	X	X	X	X
	Panhandle meadowbeauty	T		-	X	X	X	X	X	X	X	X	X	X	X	X
	Perforate reindeer lichen	E	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
	Pineland hoary-pea	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
	West's flax	E		-	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

## Santa Rosa Island, Florida (continued)


### 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	INTERESTING	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							
 Turtle	Alligator snapping turtle	C		-	X	X	X	X	X	X	X	X	X	X	X	X	Apr-May	Aug-Oct	May-Nov	Jan-Dec	Jan-Dec	
	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					
	Hawksbill sea turtle	E	E	RARE	X	X	X	X	X	X	X	X	X	X	X	X						
	Kemp's ridley sea turtle	E	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X						
	Leatherback sea turtle	E	E	RARE	X	X	X	X	X	X	X	X	X	X	X	X						
Loggerhead sea turtle	T	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	May-Aug	Jul-Nov	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	Santa Rosa beach mouse			-	X	X	X	X	X	X	X	X	X	X	X	X

### Human Use Resources

Icon	Type	Name	Contact	Phone
	Recreational Fishing	Shellfish Harvesting Area		
	Oil Facilities	Hurlburt Field	U.S. AIR FORCE	850/884-3339
	Marina	Fort Walton Yacht Basin	DOCKMASTER	850/244-5725
	Marina	Howard Johnson Hotel Docks	DOCKMASTER	850/243-6162
	Marina	Hurlburt Field Marina	DOCKMASTER	850/684-6939
	Management Area	Choctawatchee Bay Swim	NWFWMD SWIM	850/539-5999
	Management Area	Pensacola Bay Swim	NWFWMD SWIM	850/539-5999
	Historical Site	Historic Property	FL SHPO	850/245-6440
	Critical Habitat	Gulf Sturgeon Critical Habitat	FWRI	
	Boat Ramp	Liza M Jackson Park		
	Boat Ramp	Mary Esther Dock		850/243-3566
	Boat Ramp	Soundside Inn/bayside Inn		
	Beach	County Bchs		
	Airport	Hurlburt Field		
	Access	Access		












## Santa Rosa Island, Florida (continued)

### SHORELINE RESOURCES:

#### ESI Polygon Habitats

Pattern	ESI Rank	Habitat	Area (meters <sup>2</sup> )
	10A	Salt- and brackish-water marshes	958,673
	10B	Freshwater marshes	2,320,049
	10C	Swamps	29,007,879
	10D	Scrub-shrub wetlands	12,591,329
	9A	Sheltered tidal flats	5,060
	7	Exposed tidal flats	43,666

#### Shoreline Types (Length of ESI Shoreline on Map = 77,940 meters ; Length of Shoreline on Map = 77,316 meters)

Color	ESI Rank	Shoreline Habitat	Length (meters)	% of ESI Shoreline
	10A	Salt- and brackish-water marshes	30,873	39
	10B	Freshwater marshes	24	<1
	10C	Swamps	9,577	12
	10D	Scrub-shrub wetlands	8,055	10
	9A	Sheltered tidal flats	199	<1
	8B	Sheltered, solid man-made structures	10,209	13
	8C	Sheltered riprap	1,404	1
	7	Exposed tidal flats	1,288	1
	6B	Riprap	164	<1
	3A	Fine- to medium-grained sand beaches	35,673	45
	1B	Exposed, solid man-made structures	108	<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