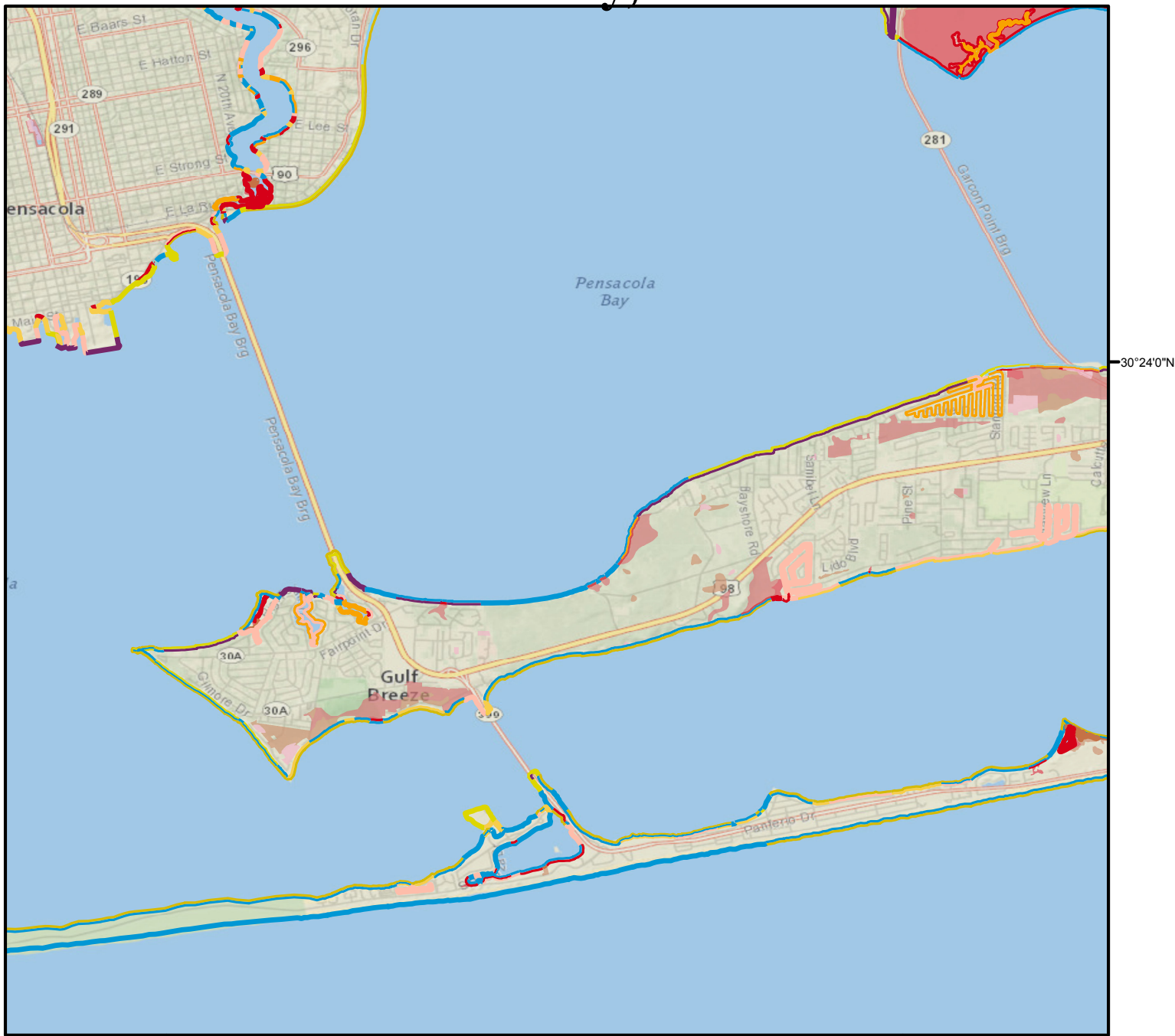


# Pensacola Bay, Florida

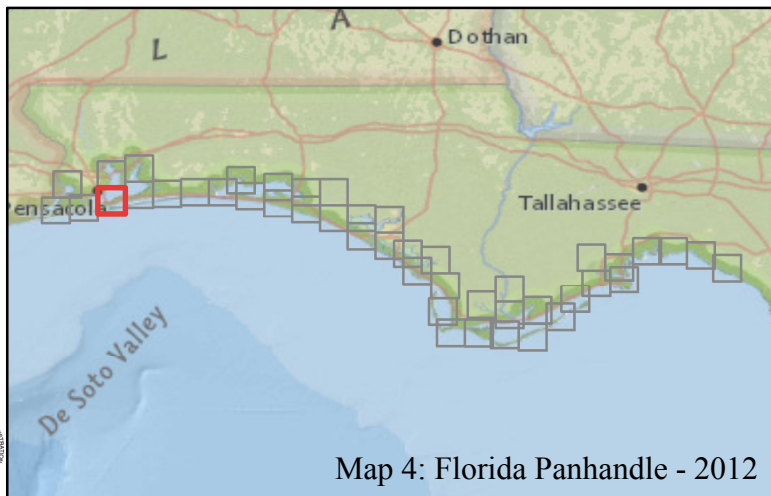


## ESI Shoreline Habitats on Map

- 10A Salt- and brackish-water marshes
- 10B Freshwater marshes
- 10C Swamps
- 10D Scrub-shrub wetlands
- 9A Sheltered tidal flats
- 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
- 4 Coarse-grained sand beaches

Additional shoreline types are present - see back of map for complete list






Content from Florida Panhandle - 2012 ESI Atlas





Map 4: Florida Panhandle - 2012






# Pensacola 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				
	Common loon			-	X	X	X	X							X	X			
 Gull/Tern	Black skimmer	C		-					X	X	X	X	X			May-Sep			
	Gull-billed tern			5-NESTS			X	X	X	X	X	X	X	X	X	May-Aug			
	Laughing gull			-	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				
	Royal tern			4-ADULTS	X	X	X	X	X	X	X	X	X	X	X	Apr-Aug			
 Pelagic	Northern gannet			-	X	X	X	X							X				
 Raptor	Osprey	C		-	X	X	X	X	X	X	X	X	X	X	X				
 Shorebird	Piping plover	T	T	-	X	X	X	X			X	X	X	X	X				
	Snowy plover	T		20-91-NESTS		X	X	X	X	X	X					Mar-Aug			
	Wilson's plover			1-NEST	X	X	X	X	X	X	X	X	X	X	X	Apr-Jul			

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					Jan-Dec	Apr-Dec
	Gizzard shad			COMMON	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	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	
 Estuarine Nursery	Atlantic croaker			HIGHLY-ABUNDANT	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	Feb-Oct	Feb-Nov	Mar-Nov	Jan-Dec	Jan-Dec	
	Black drum			COMMON	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	Dec-Apr	Dec-Apr	Dec-May	Jan-Dec	Jan-Dec	
	Bluefish			COMMON		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	Oct-Nov		Aug-Sep	Oct-Jan*	Jul-May	
	Bull shark			COMMON	X	X	X	X	X	X	X	X	X	X	X	Jun-Aug		Apr-Jun	Jan-Dec	Jan-Dec	
	Gray snapper			ABUNDANT						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			COMMON	X	X	X	X	X	X	X	X	X	X	X	Nov-Feb	Nov-Feb	Nov-Mar	Jan-Dec	Jan-Dec	
	Gulf menhaden			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	Oct-Mar	Oct-Mar	Oct-May	Jan-Dec	Jan-Dec	
	Hardhead catfish			COMMON	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	Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec	
	Kingfishes			COMMON	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			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-Oct	Apr-Nov	
	Pigfish			COMMON				X	X	X	X	X	X			Jan-May	Jan-May	Jan-May	Apr-Oct	Jan-May	
	Pinfish			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	Oct-Apr	Oct-Apr	Oct-Apr	Jan-Dec	Jan-Dec	
	Porgy spp.			PRESENT	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	Sep-Dec	Sep-Dec	Sep-Dec	Jan-Dec	Jan-Dec	
	Sand seatrout			ABUNDANT	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	Feb-Apr	Feb-Apr	Feb-Jul	Jan-Dec	Jan-Dec	
	Silver mullet			COMMON	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-Jan	Nov-Jan	Nov-Mar	Jan-Dec	Jan-Dec	
	Spot			HIGHLY-ABUNDANT	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	Apr-Dec	Apr-Sep	Mar-Oct	Jan-Dec	Jan-Dec	
Striped mullet			ABUNDANT	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			Jul-Dec	Jan-Dec	Jun-Aug		
Yellowfin menhaden			PRESENT	X	X	X	X	X	X	X	X	X	X	X	Dec-Mar			Jan-Dec	Jan-Dec		


## Pensacola 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
 Estuarine Resident	Code goby			COMMON	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
	Saltmarsh topminnow	C	C	-	X	X	X	X	X	X	X	X	X	X	X		Mar-Aug				
	Sheepshead minnow			ABUNDANT	X	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	X		Apr-Aug	Apr-Aug	Apr-Sep	Jan-Dec	Jan-Dec
	Silversides			ABUNDANT	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			HIGHLY-ABUNDANT				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			COMMON	X	X	X	X	X	X	X	X	X	X		Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec	
 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		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	
	Flatfish			COMMON	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	
	Florida pompano			RARE						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					May-Oct	Oct-Feb	
	Goatfishes			PRESENT	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		May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov	
	Little tunny			PRESENT	X	X	X	X	X	X	X	X	X	X							
	Lizardfishes			ABUNDANT						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		Jan-Dec	Jan-Dec		Jan-Dec	Jan-Dec	
	Red snapper			PRESENT	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		Mar-Jun	Mar-Jun	Mar-Jul	Jan-Dec	Jan-Dec	
	Scamp grouper			ABUNDANT			X	X	X	X	X	X	X			Mar-May	Mar-May	Mar-Jun	Mar-Nov	Apr-Nov	
	Searobins			COMMON				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		Jan-Dec	Jan-Dec		Jan-Dec	Jan-Dec	
Tonguefish			ABUNDANT	X	X	X	X	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		Apr-Nov	Apr-Nov	Apr-Dec	Apr-Dec	Apr-Dec		
	Atlantic tripletail			PRESENT	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		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		May-Sep	May-Sep	May-Sep	Mar-Nov	Mar-Nov		
	Crevalle jack			COMMON				X	X	X	X	X			Apr-Aug	Apr-Aug	Apr-Sep	Jan-Dec	Jan-Dec		
	Dolphin			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jul-Aug		
	King mackerel			HIGHLY-ABUNDANT				X	X	X	X				May-Oct	May-Oct	May-Oct	May-Oct	May-Oct		
	Red grouper			PRESENT	X	X	X	X	X	X	X	X	X		Mar-Jul				Jan-Dec		
	Round scad			COMMON	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		May-Jun		Apr-Oct	Jan-Dec	Apr-Nov		
	Spanish mackerel			COMMON			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		Mar-Nov	Mar-Nov	Mar-Nov	Jan-Dec	Jan-Dec		
	Thread herring			COMMON							X	X	X		Mar-Sep	Mar-Sep	Mar-Sep	Apr-Dec	Jan-Dec		
	Tiger shark			-							X	X					Jul-Aug	Jul-Aug			
	Wahoo			ABUNDANT	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.

## Pensacola Bay, Florida (continued)


### 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
	Large-leaved jointweed	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					

### 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
 Turtle	Diamondback terrapin			-			X	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		Sep-Oct	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		Mar-Jul	May-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-Nov	Apr-Sep	Jan-Dec

### Human Use Resources

Icon	Type	Name	Contact	Phone
	Water Intake	Us EPA Gulf Ecology Division	FACILITY MANAGER	904/934-9393
	Recreational Fishing	Gulf Breeze Pier		
	Recreational Fishing	Old Bob Sikes Bridge Fishing Pier-north		
	Recreational Fishing	Old Bob Sikes Bridge Fishing Pier-south		
	Recreational Fishing	Pensacola Bay Bridge Wayside Park		
	Recreational Fishing	Pensacola Beach Fishing Pier		
	Recreational Fishing	Pensacola Fishing Bridge		
	Recreational Fishing	Shellfish Harvesting Area		
	Port	Berth No 1	CITY OF PENSACOLA	904/435-1884
	Port	Berth No 2	CITY OF PENSACOLA	904/435-1884
	Port	Berth No 6	CITY OF PENSACOLA	904/435-1884
	Port	Berth Nos 14 And 15	CITY OF PENSACOLA	904/435-1884
	Port	Berths Nos 3 And 5	CITY OF PENSACOLA	904/432-2471
	Port	Freeport Sulphur Co Wharf	FREEPORT SULPHUR CO	904/432-8390
	Port	Muscogee Dock	MCKENZIE SERVICE CO INC	904/432-1571
	Port	Roll-on, Roll-off Facility Wharf	CITY OF PENSACOLA	904/435-1884
	Oil Facilities	Pensacola Asphalt Terminal	HAL CORP	850/444-7179
	National Park	Gulf Islands National Seashore	NATIONAL PARK SERVICE	850/934-2619
	Marina	Baylen Slip Marina Inc	DOCKMASTER	850/432-9620
	Marina	Flounders Chowder House Restaurant Dock	DOCKMASTER	850/932-2003
	Marina	Lafitte Cove Marina	DOCKMASTER	850/934-7112
	Marina	Palafox Pier And Yacht Harbor Marina	DOCKMASTER	850/432-9620

## Pensacola Bay, Florida (continued)


### Human Use Resources (continued)

Icon	Type	Name	Contact	Phone
	Marina	Pensacola Beach Free Municipal Dock	DOCKMASTER	
	Marina	Pensacola Beach Yacht Club	DOCKMASTER	850/934-8757
	Marina	Pier One Marina	DOCKMASTER	850/932-6777
	Marina	Rooks Marina	DOCKMASTER	850/433-0511
	Marina	Sabine Marina	DOCKMASTER	850/932-1904
	Marina	Santa Rosa Yacht And Boat Club	DOCKMASTER	850/934-1005
	Marina	Seville Harbor Marina	DOCKMASTER	850/432-9620
	Management Area	Fort Pickens State Park Aquatic Preserve		850/983-5359
	Management Area	Garcon Point Water Management Area		850/539-5999
	Management Area	Pensacola Bay Swim	NWFWMD SWIM	850/539-5999
	Historical Site	Historic Property	FL SHPO	850/245-6440
	Diving	Diving		
	Critical Habitat	Gulf Sturgeon Critical Habitat	FWRI	
	Boat Ramp	Bayou Texar Boat Ramp		850/436-5670
	Boat Ramp	Bayview Park		850/436-5670
	Boat Ramp	City Of Pensacola Boat Ramp		850/436-5670
	Boat Ramp	Garcon Point Boat Ramp		850/983-1940
	Boat Ramp	Oriole Beach Boat Ramp		850/983-1940
	Boat Ramp	Sabine Yacht & Racquet Club		
	Boat Ramp	Shoreline Park		
	Boat Ramp	Wayside Park		850/784-7065
	Beach	Gulf Isl Ns		
	Beach	Pensacola Bch		
	Archaeological Site	Archaeological Site		
	Aquaculture	Us Epa Gulf Ecology Division	FACILITY MANAGER	904/934-9393
	Access	Access		
	Abandoned Vessel	Alice G		
	Abandoned Vessel	Cabradroca		
	Abandoned Vessel	Marie Jose		
	Abandoned Vessel	Miss Liz		
	Abandoned Vessel	Virginia "a"		








## Pensacola Bay, Florida (continued)

### SHORELINE RESOURCES:

#### ESI Polygon Habitats

Pattern	ESI Rank	Habitat	Area (meters <sup>2</sup> )
	10A	Salt- and brackish-water marshes	1,439,077
	10B	Freshwater marshes	254,334
	10C	Swamps	1,649,148
	10D	Scrub-shrub wetlands	671,079

#### Shoreline Types (Length of ESI Shoreline on Map = 140,240 meters ; Length of Shoreline on Map = 139,287 meters)

Color	ESI Rank	Shoreline Habitat	Length (meters)	% of ESI Shoreline
	10A	Salt- and brackish-water marshes	22,376	15
	10B	Freshwater marshes	285	<1
	10C	Swamps	2,000	1
	10D	Scrub-shrub wetlands	2,848	2
	9A	Sheltered tidal flats	7,432	5
	9B	Vegetated low banks	16,393	11
	8B	Sheltered, solid man-made structures	38,833	27
	8C	Sheltered riprap	11,789	8
	7	Exposed tidal flats	37,876	27
	6B	Riprap	16,824	11
	5	Mixed sand and gravel beaches	1,008	<1
	4	Coarse-grained sand beaches	1,728	1
	3A	Fine- to medium-grained sand beaches	58,728	41
	1B	Exposed, solid man-made structures	11,388	8

**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