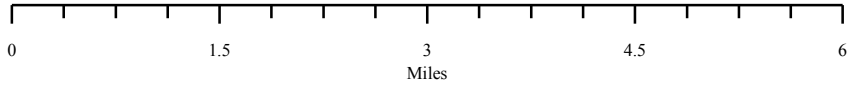


# Valparasio, Florida



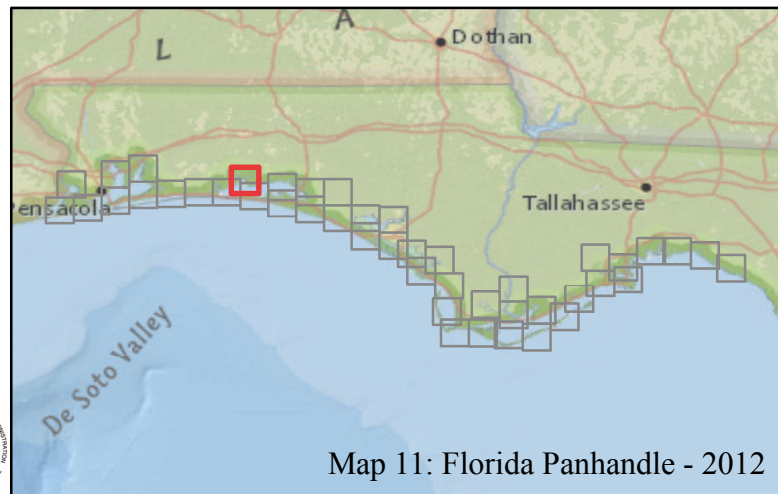
86°30'0"W

86°24'0"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
- 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







Content from Florida Panhandle - 2012 ESI Atlas





Map 11: Florida Panhandle - 2012





# Valparaiso, 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	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			
 Waterfowl	American coot			100S	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		ABUNDANT	X	X	X	X	X	X	X	X	X	X	X						May-Nov	Feb-May	
	Gizzard shad			RARE	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
 Estuarine Nursery	Atlantic croaker			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X					Oct-Mar	Jan-Dec	May-Sep	
	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	Jan-Dec
	Black drum			COMMON	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								
	Bluefish			ABUNDANT		X	X	X	X	X	X	X	X	X							Mar-Nov	Mar-Nov	
	Bull shark			COMMON	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-Jan	Sep-Oct	
	Grunts			PRESENT		X	X	X	X	X	X	X	X	X	X								
	Gulf flounder			COMMON	X	X	X	X	X	X	X	X	X	X	X					Jan-Apr	Jan-Dec	Jan-Sep	
	Gulf menhaden			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X					Aug-Mar	Jan-Dec	Mar-Oct	
	Hardhead catfish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		May-Aug	May-Aug	May-Sep	Jan-Dec	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	Jan-Dec	
	Kingfishes			COMMON		X	X	X	X	X	X	X	X	X							Apr-Nov		
	Ladyfish			COMMON	X	X	X	X	X	X	X	X	X	X	X		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	
	Lane snapper			PRESENT						X	X	X	X										
	Mojarras			COMMON							X	X	X	X	X						Jul-Dec		
	Pigfish			ABUNDANT		X	X	X	X	X	X	X	X									Apr-Oct	
	Pinfish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X						Nov-Jul	Jan-Dec	May-Nov
	Porgy spp.			PRESENT	X	X	X	X	X	X	X	X	X	X	X								
	Red drum			COMMON	X	X	X	X	X	X	X	X	X	X	X		Aug-Dec	Sep-Dec	Sep-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Sand seatrout			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		Mar-Aug	Mar-Sep	Mar-Sep	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
	Sheepshead			COMMON	X	X	X	X	X	X	X	X	X	X	X					Mar-Jul	Jan-Dec	Jan-Dec	Jan-Dec
	Silver mullet			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X						May-Oct	Jan-Dec	Jan-Dec
	Southern flounder			COMMON	X	X	X	X	X	X	X	X	X	X	X					Nov-Mar	Jan-Dec	Mar-Oct	Mar-Oct
	Spot			HIGHLY-ABUNDANT	X	X	X	X	X	X	X	X	X	X	X					Nov-Apr	Jan-Dec	Feb-Nov	Feb-Nov
	Spotted seatrout			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		Apr-Jun	Apr-Jun	Mar-Oct	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
Striped mullet			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X					Nov-Mar	Jan-Dec	Mar-Sep	Mar-Sep	
Tarpon			COMMON	X	X	X	X	X	X	X	X	X	X	X					Aug-Dec	Jan-Dec	Jan-Dec	Jan-Dec	

## Valparaiso, 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	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
 Freshwater	Okaloosa darter	E	T	-	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec	
 Marine Benthic	Atlantic spadefish			PRESENT						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								Apr-Sep	
	Florida pompano			COMMON						X	X	X	X								Jun-Oct
	Gray triggerfish			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
	Lizardfishes			COMMON				X	X	X	X	X	X	X	X	X				Apr-Dec	
	Permit			PRESENT						X	X	X	X								
	Rays			COMMON	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
	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			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	
	Skates			COMMON	X	X	X	X	X	X	X	X	X	X	X	X				Jan-Dec	Jan-Dec
Tonguefish			COMMON				X	X	X	X	X								Apr-Oct	Jul	
 Marine Pelagic	Blue runner			COMMON						X	X	X	X						May-Oct	May-Oct	
	Cobia			ABUNDANT			X	X	X	X	X	X	X	X	X	May-Sep	May-Sep			Mar-Nov	
	Crevalle jack			COMMON						X	X	X	X	X	X				Jun-Nov	May-Nov	
	Red grouper			PRESENT	X	X	X	X	X	X	X	X	X	X	X						
	Scalloped hammerhead			PRESENT	X	X	X	X	X	X	X	X	X	X	X	May-Jun		Apr-Oct	Jan-Dec	Apr-Nov	
	Spanish mackerel			PRESENT				X	X	X	X	X	X						Jun-Nov	May-Sep	
	Spanish sardine			PRESENT	X	X	X	X	X	X	X	X	X	X	X						
	Thread herring			PRESENT						X	X	X	X								
Tiger shark			-							X	X						Jul-Aug	Jul-Aug			


(\*) = 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	Alabama spiny-pod	E		-	X	X	X	X	X	X	X	X	X	X	X	
	Arkansas oak	T		-	X	X	X	X	X	X	X	X	X	X	X	
	Ashe's magnolia	E		-	X	X	X	X	X	X	X	X	X	X	X	
	Baltzell's sedge	T		-	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	
	Hairy-peduncled beaksedge	E		-	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	
	Large-leaved jointweed	T		-	X	X	X	X	X	X	X	X	X	X	X	
	Mountain laurel	T		-	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	
	Pineland hoary-pea	T		-	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	
	Sweet-shrub	E		-	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	
	Trailing arbutus	E		-	X	X	X	X	X	X	X	X	X	X	X	
 Wetland	Pondspice	E		-	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					

## Valparaiso, Florida (continued)

### Marine Mammals (continued)

Subelement	Species	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	MATING	CALVING	PUPPING	MOLTING
 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	American alligator		S	-	X	X	X	X	X	X	X	X	X	X	X	X	May-Jul	Aug-Sep			
 Turtle	Alligator snapping turtle	C		-	X	X	X	X	X	X	X	X	X	X	X	X	Apr-May				
	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				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			Apr-Sep	Jan-Dec	Jan-Dec	

### Human Use Resources

Icon	Type	Name	Contact	Phone
	Recreational Fishing	Florida Park		
	Recreational Fishing	Lincoln Park		
	Recreational Fishing	Shellfish Harvesting Area		
	Recreational Fishing	T-pier		
	Recreational Fishing	Twin Cities Park		
	Park	Fred Gannon Rocky Bayou State Park		
	Park	Rocky Bayou State Recreation Area		
	Oil Facilities	Eglin Air Force Base	U.S. AIR FORCE	850/240-1628
	Oil Facilities	Niceville Terminal	CITGO PETROLEUM CORPORATION	850/678-5159
	Marina	Bluewater Bay Marina	DOCKMASTER	850/897-2821
	Marina	Lighthouse Key Marina & Boat	DOCKMASTER	850/729-2000
	Management Area	Choctawatchee Bay Swim	NWFWMD SWIM	850/539-5999
	Management Area	Rocky Bayou State Park Aquatic Preserve		850/983-5359
	Historical Site	Historic Property	FL SHPO	850/245-6440
	Critical Habitat	Gulf Sturgeon Critical Habitat	FWRI	
	Boat Ramp	Bluewater Bay Marina Complex		
	Boat Ramp	Edrehi Ramp		850/651-7312
	Boat Ramp	Florida Park		850/729-5407
	Boat Ramp	Fred Gannon Rocky Bayou Park		850/833-9144
	Boat Ramp	Lincoln Park		850/729-5407
	Boat Ramp	Lions Park		850/729-4062
	Boat Ramp	Twin Cities Park		850/729-4062










## Valparaiso, Florida (continued)

### SHORELINE RESOURCES:

#### ESI Polygon Habitats

Pattern	ESI Rank	Habitat	Area (meters <sup>2</sup> )
	10A	Salt- and brackish-water marshes	185,118
	10B	Freshwater marshes	1,824,883
	10C	Swamps	9,396,267
	10D	Scrub-shrub wetlands	1,651,295
	9A	Sheltered tidal flats	76,087
	7	Exposed tidal flats	72,516

#### Shoreline Types (Length of ESI Shoreline on Map = 96,588 meters ; Length of Shoreline on Map = 95,295 meters)

Color	ESI Rank	Shoreline Habitat	Length (meters)	% of ESI Shoreline
	10A	Salt- and brackish-water marshes	46,888	48
	10B	Freshwater marshes	2,282	2
	10C	Swamps	25,802	26
	10D	Scrub-shrub wetlands	1,450	1
	9A	Sheltered tidal flats	1,101	1
	8B	Sheltered, solid man-made structures	16,134	16
	8C	Sheltered riprap	15,396	15
	7	Exposed tidal flats	751	<1
	6B	Riprap	207	<1
	5	Mixed sand and gravel beaches	1,205	1
	3A	Fine- to medium-grained sand beaches	14,776	15

**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 Map 11: Florida Panhandle - 2012 ESI Atlas