

# Quadrant: STAR LAKE

Map # :47

Biological Information for this quadrant represents known concentration areas of occurrence.

#### Habitat Priority Protection Areas

PPA ID	PRIORITY	POLY DESCRIPTION	BIRDS RANK	BIRDS DESCRIPTION	FISH RANK	FISH DESCRIPTION	WETLANDS RANK	WETLANDS DESCRIPTION
	HIGH	Golden Triangle Conservation Reservoir, colonial water bird rookery 587-124	High	Tri-colored herons, Little blue herons, White-faced ibises				
PPA0207	MEDIUM	Gulf Intracoastal Waterway	HIGH		HIGH	High priority recreational fishing, crabbing; shrimp, blue crab, red and black drum, seatrout, flounder		
PPA0292	MEDIUM	Part of McFaddin NWR	HIGH				HIGH	Freshwater marsh
PPA0303	MEDIUM	Salt Bayou Marsh	HIGH			Nursery, some fishing	HIGH	Freshwater marsh
PPA0336	HIGH	Part of Sea Rim State Park, McFaddin NWR	HIGH	High numbers of wintering waterfowl (scaup, gadwall, wigeon, teals, mottled duck, etc.), all North American rails, peregrine falcon, marsh birds, alligators, muskrat, mink, river otter		Nursery	HIGH	Intermediate to brackish marsh: marshhay cordgrass,saltmarsh bulrush,Olney bulrush
PPA0357	HIGH	Salt Bayou north of GIWW	HIGH		MEDIUM	Nursery	HIGH	
PPA0359	MEDIUM	Spindletop Ditch	MEDIUM		MEDIUM	High recreational fishing		
PPA0367	MEDIUM	Marsh south of Spindletop Ditch	HIGH	Wintering waterfowl, rails, mottled duck, osprey, peregrine falcon, wading birds			HIGH	Freshwater marsh
PPA0379	HIGH	Star Lake	HIGH	Waterfowl, rails, mottled duck, alligators, marsh mammals, occasional wood stork	MEDIUM	Moderate nursery, some fishing	HIGH	
PPA0390	HIGH	Gulf shoreline	HIGH	Piping and snowy plovers, willets, ruddy turnstone, other shorebirds, peregrine falcon, terns, brown pelican; high use areas vary				
PPA0411	MEDIUM	Part of McFaddin NWR	HIGH	Wintering waterfowl; all North American rails, mottled duck, peregrine falcon, marsh birds, alligators, muskrat, mink, river otter	LOW	Nursery, low priority recreational fishery	HIGH	Intermediate marsh with freshwater inclusions

#### Biological Resources

#### Bird

RARNUM	NAME	SF	ΤE	CONC	J	F	М	А	М	J	J	А	S	0	N	D	Nesting	Migrating	Molting
0002	Waterfowl			-	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Χ	Х	Х	-	-	-
0005	American white pelican			COMMON	Х	Χ	X	Х	Х			Χ	Х	Х	Χ	Х	-	-	-
	Brown pelican			COMMON	Х	Х	Х	Х	Χ	Χ	Х	Χ	X	Χ	Χ	Х	-	-	-
	Cormorants			COMMON	Х	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	-	-	-
	Diving birds			-	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	-	-	-
	Grebes			UNCOMMON	Х	Х	Х	Х	Χ	Χ			Χ	Χ	Χ	Х	-	-	-
	Loons			-	Х	Χ	Х	Х	Х					Χ	Χ	Х	-	-	-
	Gulls			COMMON- ABUNDANT	Х	X	Χ	Х	X	Χ	Х	Χ	Х	Х	Χ	Х	-	-	-
	Terns			COMMON- ABUNDANT	Х	X	X	Х	Х	X	Х	X	Х	X	Χ	Х	-	-	-
	Magnificent frigatebird			COMMON					Х	Χ	Х	Χ	Х	Χ	Χ		-	-	-
	Masked booby			UNCOMMON			Χ	X	Χ	Χ	Х	Χ	Χ	Χ			-	-	-
	Northern gannet			COMMON	Х	Х	Х	Х						Χ	Х	Х	-	-	-
	Shearwaters			UNCOMMON								Χ	Χ	Χ	Χ		-	-	-
	Storm-petrels			RARE					Х	Χ	Χ						-	-	-
	Bufflehead			UNCOMMON	Х	Х	Х								Χ	Х	-	-	-
	Canvasback			UNCOMMON	Х	Х	Х							Χ	Χ	Х	-	-	-
	Diving ducks			-	Х	Х	Х	Х	Χ					Χ	Χ	Х	-	-	-
	Greater scaup			UNCOMMON	Х	Χ	Х								Χ	Х	-	-	-
	Lesser scaup			COMMON	Х	Χ	Х	Х						Χ	Χ	Х	-	-	-
	Scoters			RARE	Х	Х	Х	Х							Χ	Χ	-	-	-
8000	Osprey			-	Χ	Χ	Х	Х	Χ				Х	Χ	Χ	Х	-	-	-
	Peregrine falcon	S	Т	-	Χ	Χ	Х	Х				Χ	Х	Χ	Χ	Х	-	-	-
	Marsh birds			-	Χ	Χ	Х	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	-	-	-
	Wading birds			-	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Χ	Χ	Х	-	-	-
	Dabbling ducks			-	Х	Х	Х	Х	Х				Х	Χ	Χ	Х	-	-	-
	Waterfowl			-	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Х	-	-	-
0115	Migratory songbirds			-				Х	Х								-	-	-
	Peregrine falcon	S	Т	-	Х	Х	Х	Х				Χ	Х	Χ	Χ	Х	-	-	-
	Black-necked stilt			10S		Х	Х	Х	Х	Χ	Х	Χ	Х	Χ			-	-	-
	Dowitchers			100S	Х	Х	Х	Х	Х		Х	Χ	Х	Χ	Χ	Х	-	JUL-MAY*	-
	Dunlin			100S	Х	Х	Х	Х	Х				Х	Χ	Χ	Х	-	-	-
	Killdeer			100S	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	-	DEC-MAR	-
	Shorebirds			1000S	Х	Х	Х	Х	Х		Х	Х	Х	Χ	Х	Х	-	-	-
	Western sandpiper			100S	Х	Х	Х	Х	Х	X	X	Χ	X	X	X	Х	-	JUL-MAY*	-
	Willet			100S	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	-	AUG-APR*	-
	Yellowlegs			10S	Х	Х	Х	Х	Х		Х	Х	Х	Χ	Х	Х	-	JUL-MAY*	-
	American bittern			-	Х	Х	Х	Х	Х				Х	Χ	Х	Х	-	-	-
	Black rail			-	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Χ	Х	Х	-	-	-
	Clapper rail			-	Х	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	FEB-SEP	-	-
	King rail			-	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	APR-MAY	-	-
	Marsh birds			-	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	-	-	-
	Sora			-	Х	Х	Х	Х	Х			Х	Х	Χ	Х	Х	-	-	-
	Wading birds			-	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Χ	Х	Х	-	-	-
	Wood stork	S	Т	OCCASIONAL						Χ	Х	Х	Χ	Χ			-	-	-
	Yellow rail			-	Х	Х	Х	Х					Х	Χ	Х	Х	-	-	-
	Common			-	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	MAR-OCT	-	-
	moorhen																		

Bird

RARNUM NA	AME	SF	ΤE	CONC		F	М	A	M			А	S	0	N	D	Nesting	Migrating	Molting
	erfowl	31		HIGH	X	X	X	X	X	X	X	X	X	Х	X	X	-	-	- Worting
	er white-			-	Х	Х	Х	Х						Х	Χ	Х	-	-	-
	d goose																		
	goose			-	X	X	X	V					V	X	X	X	-	<del>-</del>	-
	can coot in wigeon			10000S 1000S	X	X	X	Х					X	X	X	X	-	<u>-</u>	-
	nged teal			1000S	X	X	X	Х	Х	X	Х	Х	X	X	X	X	- MAY-JUL	<u>-</u>	<u>-</u>
	ehead			PRESENT	X	X	X	Α	Λ		Α	Λ			X	X	-	-	-
	a goose			100S	Х	Х	Х							Χ	Х	Х	-	-	-
Canva	asback			100S	Х	Х	Х							Χ	Χ	Х	-	-	-
	vous			100S	Х	X	X	Χ	Х	X	Х	Х	Х	Χ	X	Х	MAY-AUG	-	-
	ng-duck dwall			10000S	Х	X	Х	Х					X	Χ	X	X	_	_	_
	er white-			10000S	X	X	X							X	X	X	-	<u>-</u>	-
	d goose				, ,	, ,								7.					
Green-				10000S	Х	X	X	Χ					Х	Χ	X	Х	-	-	-
	eal r scaup			1000S	Х	X	Х	Χ						Χ	Χ	X	_	_	_
	llard			10003	X	X	X	^						X	X	X	<u>-</u>	<u>-</u>	-
	ed duck			100S	X	X	X	Х	Х	Х	Х	Х	Х	X	X	X	FEB-AUG	-	JUN-AUG
Norther	rn pintail			10000S	Х	Х	Х						Х	Х	Х	Х	-	-	-
	thern			1000S	Х	Х	Х	Х					Χ	Χ	Χ	Х	-	-	-
	veler Ihead			10S	X	X	Х							X	X	X			
Ring-n				10000S	X	X	X							X	X	X	-	-	-
	uck			100000										,					
	y duck			100S	X	X	X							Χ	Х	Х	-	-	-
	goose			10000S	X	X	X								Х	X	-	-	-
	d duck			10S	X	X	X	X	Х	Х	Х	Х	X	X	X	X	FEB-JUL	-	-
	can coot in wigeon			10000S 1000S	X	X	X	٨					X	X	X	X	-	-	-
	nged teal			1000S	X	X	X	Х	Х	Х	X	Х	X	X	X	X	- MAY-JUL	-	-
	ehead			10S	X	X	X								X	X	-	-	-
Canada	a goose			100S	Х	Х	Х							Χ	Χ	Х	-	-	-
	asback			100S	Х	Х	Х							Χ	Χ	X	-	-	-
	vous ng-duck			10S	Х	Х	Х	Χ	Х	X	X	Х	X	Χ	X	Х	MAY-AUG	-	-
	ng-auck dwall			10000S	Х	X	Х	Χ					X	Χ	X	X	-	<u>-</u>	-
	er white-			10003	X	X	X							X	X	X	-	<u>-</u>	-
frontec	d goose																		
Green-\	winged eal			10000S	Х	Х	Х	Χ					X	Χ	X	Х	-	-	-
	r scaup			1000S	Х	X	Х	Х						Χ	X	X	_	_	_
	llard			100S	X	X	X							X	X	X	-	-	-
	ed duck			100S	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	FEB-AUG	-	JUN-AUG
Norther	rn pintail			1000S	Х	Х	Х						Χ	Χ	Χ	Х	-	-	-
	thern			10000S	X	X	X	Х					Χ	Χ	Χ	Х	-	-	-
	veler Ihead			10S	Х	X	Х							Χ	X	X	-	_	_
	necked			1000\$	X	X	X							X	X	X	<u>-</u>	_	_
	uck			10003			^								Λ				
Ruddy	y duck			1000S	X	X	X							Χ	Х	X	-	-	-
	goose			10000S	Х	X	X								Х	Х	-	-	-
	d duck			10S	Х	X	Х	X	X	Χ	Х	Х	Х	Χ	Х	Х	FEB-JUL	-	-
	atory gbirds			-				Χ	Х								-	-	-
_	ne falcon	S	Т	-	Х	Х	Х	Х				Х	Х	Х	Х	Х	-	-	-
Black-ne	ecked stilt			10S		Х	Х	Х	Χ	Χ	Х	Х	Χ	Χ			-	-	-
Dowit	itchers			100S	Х	Х	Х	Х	Х		Х	Х	Х	Χ	Х	Х	-	JUL-MAY*	-
	ınlin			100S	X	X	Х	Х	Х				Х	Χ	Х	X	-	-	-
	deer			100S	X	X	X	X	X	Х	X	X	X	X	X	X	-	DEC-MAR	-
Snore	ebirds			1000S 100S	X	X	X	X	X	Χ	X	X	X	X	X	X	-	- JUL-MAY*	-
	dpiper			1003	^	^	^	^	^	^	^	^	^	^	^	^	-	JUL-IVIA I	-
Wi	ïllet			100S	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	-	AUG-APR*	-
Yellov	wlegs			10S	Х	Х	Х	Х	Χ		Х	Х	Х	Χ	Х	Х	-	JUL-MAY*	-
	an bittern			-	X	X	Х	Х	Х				Х	Χ	Х	X	-	-	-
	ck rail			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	per rail			-	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP APR-MAY	-	-
	g rail h birds			-	X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	-	-
	ora			-	X	X	X	X	X	Λ.	^	X	X	X	X	X	-	-	-
	ng birds			-	X	X	X	Х	X	Χ	Х	X	X	X	X	X	-	-	-
	d stork	S	Т	OCCASIONAL						Χ	Χ	Х	Χ	Χ			-	-	-
	ow rail			-	X	X	X	X					X	X	X	X	-	-	-
	can coot			10000S	X	X	X	Х					X	X	X	X	-	-	-
	n wigeon			1000S 10000S	X	X	X	X	X	X	X	X	X	X	X	X	- MAY-JUL	<u>-</u>	<u>-</u>
	nged teal ehead			10000S 10S	X	X	X	^	^	^	^	٨	^	^	X	X	MAY-JUL -	-	-
	a goose			100S	X	X	X							Χ	X	X	-	-	-
	asback			100S	X	X	X							X	X	X	-	-	-
	nmon			-	Х	Х	Х	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	MAR-OCT	-	-
	orhen vous			10S	X	V	X	V	X	V	V	X	V	X	X	V	MAY-AUG		
	vous ng-duck			105	٨	X	^	Χ	^	X	Х	٨	X	۸	٨	X	IVIA 1-AUG	-	-
	dwall			10000S	Х	Х	Х	Х					Х	Χ	Х	Х	-	-	-
	er white-			100S	Х	Х	Х							Χ	Х	Х	-	-	-
fronted Green-v	d goose winged			10000S	X	X	X	X					X	X	X	X	_		
	-winged eal			100003	^	^	^	^					^	^	^	^	-	-	-
	r scaup			1000S	Х	Х	Х	Х						Χ	Х	Х	-	-	-
	llard			100S	Х	Х	Χ							Χ	Χ	Х	-	-	-
	ed duck			100\$	X	X	X	X	Х	X	X	X	X	X	X	X	FEB-AUG	-	JUN-AUG
	rn pintail			1000S	X	X	X	.,					X	X	X	X	-	-	-
	thern veler			10000S	Х	Х	Х	Х					X	Х	X	X	-	-	-
	lhead			10S	Х	Х	Х							Χ	Χ	Х	-	-	-
Ring-n	necked			1000S	Х	Х	Х							Χ	Χ	Х	-	-	-
	uck			40000												L.,			
	y duck y goose			1000S 10000S	X	X	X							Х	X	X	-	<u>-</u>	-
	goose erfowl			HIGH	X	X	X	X	X	X	Х	X	X	Χ	X	X	-	<del>-</del>	-
	d duck			10S	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
	prey			-	X	X	X	X	X		<u> </u>		X	X	X	X	-	-	-

Bird

IUM	NAME Peregrine falcon	S F S	T E	CONC -	X	F X	X	X	M	J		A X	S X	X	X	X	Nesting -	Migrating -	Molting -
	Marsh birds		•	-	X	X	X	X	X	Χ	Х	X	X	X	X	X	-	-	-
	Wading birds			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American coot			10000S	Х	Х	Х	Х					Х	Х	Χ	Х	-	-	-
	American wigeon			1000S	Х	X	X						Х	Х	Χ	X	-	-	-
	Blue-winged teal			10000S	X	X	X	X	X	Х	X	Х	X	Х	Χ	Χ	MAY-JUL	-	-
	Bufflehead			PRESENT	X	X	Х								Χ	Х	-	-	-
	Canada goose			100S	X	X	X							X	X	X	-	-	-
	Canvasback  Dabbling ducks			100S -	X	X	X	X	Х				X	X	X	X	-	-	-
	Fulvous			100S	X	X	X	X	X	Х	X	X	X	X	X	X	- MAY-AUG	<u>-</u>	-
	whistling-duck			1003					\ \ \		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	^		Λ	Λ	^	WAT-AGG		
	Gadwall			10000S	Х	X	Х	X					Х	Х	Χ	X	-	-	-
	Greater white-			1000S	X	X	X							Χ	Χ	Χ	-	-	-
	fronted goose  Green-winged			10000S	X	X	X	X					X	X	X	Χ	_		_
	teal			100003	^	^	^	^					^	^	^	^	-	-	-
	Lesser scaup			1000S	Χ	Χ	Х	Х						Χ	Χ	Χ	-	-	-
	Mallard			1000S	Х	X	Х							Х	Χ	X	-	-	-
	Mottled duck			100S	X	X	X	X	X	Χ	X	Χ	Х	Χ	Χ	Χ	FEB-AUG	-	JUN-AU
	Northern pintail			10000S	X	Х	X						Х	Х	Χ	Χ	-	-	-
	Northern shoveler			1000S	X	Х	X	X					Х	Х	Χ	X	-	-	-
	Redhead			10S	X	Х	Х							Χ	Χ	Х	-	_	_
	Ring-necked			10000S	X	X	X							X	X	X	-	-	_
	duck																		
	Ruddy duck			100S	Х	X	X							Χ	Χ	Χ	-	-	-
	Snow goose			10000S	X	X	X								Х	X	-	-	-
	Waterfowl			-	X	X	X	X	X	Χ	X	Х	Х	Х	X	Х	-	-	-
	Wood duck			10S	X	X	X	X	X	Χ	X	Χ	X	X	X	X	FEB-JUL	-	-
6	Osprey		_	-	X	X	X	X	X				X	X	X	X	-	-	-
	Peregrine falcon	S	Т	-	X	X	X	X	.,	.,	.,	X	X	X	X	X	-	-	-
	Marsh birds			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wading birds			-	X	X	X	X	X	Х	X	Х	X	X	X	X	-	-	-
	Dabbling ducks  Greater white-			<u>-</u>	X	X	X	X	X				X	X	X	X	-	-	-
	fronted goose			-	^	^	^	^						۸	٨	^	-	-	-
	Snow goose			-	Х	Χ	Х							Χ	Χ	Χ	-	-	-
	Waterfowl			-	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	Χ	Χ	-	-	-
9	Migratory			-				Х	Х								-	-	-
	songbirds																		
	Osprey			-	X	X	X	X	X			V	X	X	X	X	-	-	-
	Peregrine falcon	S	Т	100	Х	X	X	X	V	V	V	X	X	X	X	Х	-	-	-
	Black-necked stilt  Dowitchers			10S 100S	X	X	X	X	X	X	X	X	X	X	Х	Χ	-	JUL-MAY*	-
	Dunlin			1005	X	X	X	X	X		^	^	X	X	X	X	-	JUL-IVIA Y	-
	Killdeer			1005	X	Х	X	X	X	Х	X	Х	X	X	X	X	-	DEC-MAR	_
	Shorebirds			1000S	X	X	X	X	X	Α	X	X	X	X	X	X	-	-	_
	Western			100S	X	X	X	X	X	Х	X	X	X	X	X	Х	-	JUL-MAY*	-
	sandpiper																		
	Willet			100S	Χ	Χ	X	X	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	-	AUG-APR*	-
	Yellowlegs			10S	Χ	Χ	Х	Х	Х		Х	Χ	Х	Х	Χ	Χ	-	JUL-MAY*	-
	American bittern			-	Χ	Х	X	Х	Х				Х	Х	Χ	Х	-	-	-
	Black rail			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Clapper rail			-	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
	King rail  Marsh birds			-	X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	-	-
	Sora			-	X	X	X	X	X	^	^	X	X	Х	X	X	-	-	<del>-</del>
	Wading birds			<u>-</u>	X	X	X	X	X	Х	X	X	X	X	X	X	-		-
	Wood stork	S	Т	OCCASIONAL			7	Α.	Α	X	X	X	X	X	,,	Λ	-	-	_
	Yellow rail			-	Х	Х	Х	Х					Х	Х	Х	Х	-	-	-
	Common			-	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Χ	Χ	MAR-OCT	-	-
	moorhen																		
	Dabbling ducks			-	Χ	Х	X	Х	Х				Х	Х	Χ	Х	-	-	-
	Waterfowl			-	Х	X	Х	X	Х	Х	X	Х	Х	Х	Х	Х	-	-	-
4	American white pelican			COMMON	X	Х	Х	X	X			Х	Х	Х	Χ	X	-	-	-
	Brown pelican			COMMON	X	X	X	X	Х	Χ	X	X	X	Х	X	Χ	-	<u>-</u>	_
	Cormorants			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Diving birds			-	X	Х	X	X	X	Х	X	Х	X	X	X	X	-	-	-
	Grebes			UNCOMMON	Х	Х	X	X	X	Χ			X	X	X	Х	-	-	-
	Loons			-	Х	Χ	Х	Х	Х					Χ	Χ	Χ	-	-	-
	Gulls			COMMON-	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Χ	-	-	-
	т			ABUNDANT	17	17	14	17		V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1/	V	V	W	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
	Terns			COMMON- ABUNDANT	Х	Х	Х	Х	Х	Χ	Х	Χ	X	Χ	Χ	Χ	-	-	-
	Magnificent			COMMON					Х	Χ	Х	Χ	Х	Χ	Χ		-	-	-
	frigatebird																		
	Masked booby			UNCOMMON			Х	Х	X	Χ	X	Χ	Х	Х			-	-	-
	Northern gannet			COMMON	Χ	Χ	X	Х						Χ	Χ	Χ	-	-	-
	Shearwaters			UNCOMMON								Χ	Х	Χ	Χ		-	-	-
	Storm-petrels			RARE					X	Χ	X						-	-	-
	Bufflehead			UNCOMMON	X	X	X							.,	X	X	-	-	-
	Canvasback Diving ducks			UNCOMMON	X	X	X	V	X					X	X	X	-	-	-
	Diving ducks  Greater scaup			- UNCOMMON	X	X	X	X	X					X	X	X	-	-	-
	Lesser scaup			COMMON	X	X	X	X						X	X	X	-	-	-
	Redhead			0-300-BIRDS	X	X	X	^						Х	X	X	-	-	-
	Scoters			RARE	X	X	X	X						^	X	X	-	-	-
				COMMON	X	Х	X	X	X			Χ	Х	Χ	X	X	-	-	-
7	American white																		
7	pelican			COMMON	X	X	Х	X	X	Χ	X	Χ	Х	Χ	Χ	Χ	-	-	-
7	pelican Brown pelican			COMMON	X	Χ	X	X	X	Χ	X	Χ	Х	Χ	Χ	Х	-	-	-
7	pelican Brown pelican Cormorants			-	Х	Х	X	X	X	Χ	X	Χ	Х	Χ	Χ	X	-	-	-
7	pelican Brown pelican Cormorants Diving birds			UNCOMMON	X	Х	X	X	X	Χ			X	Х	Χ	Χ	-	-	-
7	pelican Brown pelican Cormorants Diving birds Grebes			ONOOMMON		Χ	X	X	X					Х	X	X	-	-	-
7	pelican Brown pelican Cormorants Diving birds Grebes Loons			-	X				V		X	Χ	Х	Χ	Χ	Χ			
7	pelican Brown pelican Cormorants Diving birds Grebes Loons Pelicans			-	Х	X	X	X	X	X							-	-	-
7	pelican Brown pelican Cormorants Diving birds Grebes Loons			- COMMON-	_	X	X	X	X	X	X	X	X	X	X	X	-	-	-
7	pelican Brown pelican Cormorants Diving birds Grebes Loons Pelicans Gulls			- COMMON- ABUNDANT	X	Х	Х	X	X	Х	X	X	Х	Х	Х	X	-	-	-
7	pelican Brown pelican Cormorants Diving birds Grebes Loons Pelicans			- COMMON-	Х		_		_										
7	pelican Brown pelican Cormorants Diving birds Grebes Loons Pelicans Gulls			- COMMON- ABUNDANT COMMON-	X	Х	Х	X	X	Х	X	X	Х	Х	Х	X	-	-	-

# Bird

ARNUM		SF	TE	CONC	V	F	M	A	M		J	A	S	0 v	N	D v	Nesting	Migrating	Molting
	Northern gannet			COMMON	X	Х	Х	Х						X	X	X	-	-	-
	Shearwaters Storm notrols			UNCOMMON					W	V	.,	X	Х	Х	X		-	-	-
	Storm-petrels		Т	RARE	V	V	V	V	Х	Х	Х		V			V	-	-	-
	Peregrine falcon Plovers	S	1	-	X	X	X	X	X	Х	Х	X	X	X	X	X	-	-	-
	Ruddy turnstone			-	X	X	X	X	X	^	X	X	X	X	X	X	-	<u> </u>	-
	Sanderling			-	X	X	X	X	X		٨	X	X	X	X	X	-	- AUG-MAY*	
	Shorebirds			_	X	X	X	X	X		Х	X	X	X	X	X	-		-
	Snowy plover			_	X	X	X	X	X		X	X	X	X	X	X	-	-	_
	Willet			-	X	Х	X	X	X	Х	X	X	Х	X	X	Х	-	AUG-APR*	_
	Bufflehead			UNCOMMON	X	Х	X		- 11	, ,	71	7.	7.	7.	X	X	-	-	-
	Canvasback			UNCOMMON	Х	Х	Х							Х	Х	Χ	-	-	-
	Diving ducks			-	Х	Х	Χ	Χ	Х					Χ	Χ	Χ	-	-	-
	Greater scaup			UNCOMMON	Х	Х	Χ								Χ	Χ	-	-	-
	Lesser scaup			COMMON	Х	Х	Χ	Х						Χ	Χ	Χ	-	-	-
	Redhead			0-300-BIRDS	Х	Х	Χ							Χ	Χ	Χ	-	-	-
	Scoters			RARE	Х	Χ	Χ	Χ							Χ	Χ	-	-	-
282	Pelicans			-	Х	Х	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-
	Peregrine falcon	S	Т	-	Х	Х	Χ	Χ				Χ	Χ	Χ	Χ	Χ	-	-	-
	Piping plover	S/F	T/T	31-INDIV	Х	Χ	Χ	Χ	Х		Χ	Χ	Х	Χ	Χ	Χ	-	-	-
	Plovers			-	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-
	Ruddy turnstone			-	Х	Х	Х	Χ	Х		Х	Х	Χ	Χ	Χ	Χ	-	-	-
	Sanderling			-	Х	Х	Χ	Χ	Χ			Χ	Χ	Χ	Χ	Χ	-	AUG-MAY*	-
	Shorebirds			-	Х	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	-	-	-
	Snowy plover			-	Х	Χ	Χ	Χ	Х		Х	Χ	Χ	Χ	Χ	Χ	-	-	-
	Willet			-	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	-	AUG-APR*	-
	Redhead			0-300-BIRDS	Х	Х	Х							Х	Χ	Х	-	-	-
283	Piping plover	S/F	T/T	31-INDIV	Х	Х	Х	Х	Х		Х	Х	Х	Χ	Χ	Х	-	-	-
	American coot			10000S	Х	Х	Χ	Х					Χ	Х	Х	Х	-	-	-
	American wigeon			1000S	Х	Х	Х						Х	Х	Х	Х	-	-	-
	Blue-winged teal			10000S	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	MAY-JUL	-	-
	Bufflehead			10S	Х	Х	Х								Χ	Х	-	-	-
	Canada goose			100S	Х	Х	Х							Χ	Χ	Х	-	-	-
	Canvasback			100S	Х	Χ	Χ							Χ	Χ	Χ	-	-	-
	Fulvous			10S	Х	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	MAY-AUG	-	-
	whistling-duck																		
	Gadwall			10000S	Х	Х	Χ	Х					Χ	Χ	Χ	Х	-	-	-
	Greater white-			100S	Х	Х	Χ							Χ	Χ	Χ	-	-	-
	fronted goose			100000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		V	V					\ <u>/</u>			\ <u>/</u>			
	Green-winged teal			10000S	Х	Х	Χ	Х					Х	Χ	Χ	Χ	-	-	-
	Lesser scaup			1000S	Х	Х	Χ	X						Х	X	Х	-	_	_
	Mallard			100S	X	X	X							X	X	X		<u> </u>	
	Mottled duck			100S	X	X	X	X	X	Х	Х	Х	Х	X	X	X	FEB-AUG	-	JUN-AU(
	Northern pintail			1000S	X	X	X		Λ				X	X	X	X	-	-	- -
	Northern			10000S	X	X	X	X					X	X	X	X	_	<u>-</u>	_
	shoveler			100000				,					^	^	^	^			
	Redhead			10S	Х	Χ	Χ							Χ	Χ	Χ	-	-	-
	Ring-necked			1000S	Х	Χ	Χ							Χ	Χ	Χ	-	-	-
	duck																		
	Ruddy duck			1000S	Х	Χ	Х							Χ	Χ	Χ	-	-	-
	Snow goose			10000S	Х	Х	Χ								Χ	Х	-	-	-
	Wood duck			10S	X	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Х	Х	FEB-JUL	-	-
289	Piping plover	S/F	T/T	POTENTIAL	X	Χ	Χ	Х	Х		Х	Χ	Х	Χ	Х	Х	-	-	-
	American coot	3/1	1/1											Χ	Χ	Χ	_		
		3/1	171	10000S	X	Χ	Χ	Х					Х				-	-	-
	American wigeon	3/1	171	10000S 1000S	X	X	Χ						Χ	Χ	Χ	Χ	-	-	-
	Blue-winged teal	3/1	1/1	10000S 1000S 10000S	X X X	X X X	X	X	X	X	X	X			X	X		- - -	-
	Blue-winged teal Bufflehead	3/1	171	10000S 1000S 10000S 10S	X X X	X X X	X X X		X	X	X	X	Χ	X	X X X	X X X	-		
	Blue-winged teal Bufflehead Canada goose	3/1	171	10000S 1000S 10000S 10S 100S	X X X X	X X X X	X X X		Х	X	X	Х	Χ	XXX	X X X	X X X	-	-	-
	Blue-winged teal Bufflehead Canada goose Canvasback	3/1	171	10000S 1000S 10000S 10S 100S	X X X X X	X X X X X	X X X X	X					X	X X X	X X X X	X X X X	- MAY-JUL - - -	-	-
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous	3/1	171	10000S 1000S 10000S 10S 100S	X X X X	X X X X	X X X		X	X	X	X	Χ	XXX	X X X	X X X	- MAY-JUL -	-	-
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck	3/1	171	10000S 1000S 10000S 10S 100S 100S 10S	X X X X X	X X X X X	X X X X X	X					XXX	X X X X	X X X X X	X X X X X	- MAY-JUL - - - - MAY-AUG	- - -	- - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall	3/1	171	10000S 1000S 10000S 10S 100S 100S 100S	X X X X X X	X X X X X X	X X X X X	X					X	X X X X X	X X X X X X	X X X X X X	- MAY-JUL MAY-AUG	- - - -	- - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white-	3/1		10000S 1000S 10000S 10S 100S 100S 10S	X X X X X	X X X X X	X X X X X	X					XXX	X X X X	X X X X X	X X X X X	- MAY-JUL - - - - MAY-AUG	- - -	- - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose	3/1		10000S 1000S 10000S 10S 100S 100S 100S	X X X X X X	X X X X X X	X X X X X	X					XXX	X X X X X	X X X X X X	X X X X X X	- MAY-JUL MAY-AUG	- - - -	- - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white-	3/1		10000S 1000S 10000S 10S 100S 10OS 10OOOS 10OOOS	X X X X X X	X X X X X X	X X X X X X	X					X X X	X X X X X	X X X X X X	X X X X X X	- MAY-JUL MAY-AUG	- - - -	- - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged	3/1		10000S 1000S 10000S 10S 100S 10OS 10OOOS 10OOOS	X X X X X X	X X X X X X	X X X X X X	X					X X X	X X X X X	X X X X X X	X X X X X X	- MAY-JUL MAY-AUG	- - - -	- - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal	3/1		10000S 1000S 10000S 100S 100S 100S 100S	X X X X X X	X X X X X X X	X X X X X X	X					X X X	X X X X X	X X X X X X	X X X X X X	- MAY-JUL MAY-AUG	- - - - -	- - - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup	3/1		10000S 1000S 10000S 10S 100S 100S 100S	X X X X X X X X	X X X X X X X	X X X X X X	X					X X X	X X X X X X	X X X X X X X	X X X X X X X	- MAY-JUL MAY-AUG	- - - - - -	- - - - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard	3/1		10000S 1000S 10000S 100S 100S 100S 100S	X X X X X X X X	X X X X X X X X	X X X X X X X	X X X	X	X	X	X	X X X	X X X X X X X	X X X X X X X X	X X X X X X X X	- MAY-JUL MAY-AUG	- - - - - -	- - - - - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail	3/1		10000S 1000S 1000OS 100S 100S 100S 100S	X X X X X X X X X	X X X X X X X X X	X X X X X X X X	X X X	X	X	X	X	X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X	X X X X X X X X	- MAY-JUL MAY-AUG FEB-AUG	- - - - - - - -	- - - - - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler	3/1		10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X	X X X	X	X	X	X	X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X X X X X X X X X X	- MAY-JUL MAY-AUG FEB-AUG -	- - - - - - - -	- - - - - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead	3/1		10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X	X X X	X	X	X	X	X X X X X X X	X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X	- MAY-JUL MAY-AUG FEB-AUG -	- - - - - - - -	- - - - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked	3/1		10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X	X X X	X	X	X	X	X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X X X X X X X X X X	- MAY-JUL MAY-AUG FEB-AUG	- - - - - - - - - -	- - - - - - - JUN-AU(
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck	3/1		10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X	X X X	X	X	X	X	X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X X X	- MAY-JUL MAY-AUG	- - - - - - - - - - - -	- - - - - - - JUN-AUG - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck	3/1		10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X	X	X	X	X	X X X X X X X	X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL MAY-AUG	- - - - - - - - - - - -	- - - - - - - JUN-AUG - - -
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose	3/1		10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X	X	X	X	X	X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL MAY-AUG		JUN-AUG
	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck	3/1		10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X	X	X	X	X	X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL MAY-AUG		
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans			10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X	X X X X X X X X X X X X X	X X X X X X X X	X	X	X	X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL		- - - - - - - - JUN-AU0
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans Peregrine falcon	S	T	10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X	X X X X X X X X X	X	X	X	X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL MAY-AUG		
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans Peregrine falcon Piping plover			10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X	X	X X X X	x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL MAY-AUG		
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans Peregrine falcon Piping plover Plovers	S	T	10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X	X	X X X X X X	x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL MAY-AUG		
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans Peregrine falcon Piping plover Plovers Ruddy turnstone	S	T	10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X	X	X X X X	x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL MAY-AUG		- - - - - - - - - - - - - - - - -
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans Peregrine falcon Piping plover Plovers Ruddy turnstone Sanderling	S	T	10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X	X X X X X X X	x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL		
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans Peregrine falcon Piping plover Plovers Ruddy turnstone Sanderling Shorebirds	S	T	10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X	x	x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL		
290	Blue-winged teal Bufflehead Canada goose Canvasback Fulvous whistling-duck Gadwall Greater white- fronted goose Green-winged teal Lesser scaup Mallard Mottled duck Northern pintail Northern shoveler Redhead Ring-necked duck Ruddy duck Snow goose Wood duck Pelicans Peregrine falcon Piping plover Plovers Ruddy turnstone Sanderling	S	T	10000S 1000S 1000S 1000S 100S 100S 100S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X	X X X X X X X	x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	- MAY-JUL		

### Fish

	1 1011																				
RARNUM	NAME	SF	TE	CONC	J	F	М	А	М	J	J	А	S	0	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
0483	Tarpon			RARE			Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ		-	-	-	MAR-NOV	-
0494	Gizzard shad			RARE	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	-	JAN-DEC
	Atlantic croaker			HIGHLY- ABUNDANT	X	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	-	-	JAN-JUN	JAN-DEC	JAN-DEC
	Bay anchovy			COMMON	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	MAR-NOV	MAR-NOV	MAR-NOV	FEB-DEC	JAN-DEC
	Black drum			COMMON	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	JAN-DEC	JAN-DEC
	Bull shark			COMMON	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	-	MAY-AUG	MAY-AUG	APR-NOV	JAN-DEC
	Gafftopsail catfish			COMMON				X	X	Х	X	Х	Х	Х			APR-MAY	-	-	APR-OCT	APR-OCT
	Gulf menhaden			ABUNDANT	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	JAN-DEC	APR-OCT

Fish

RARNUM	N. A. A. G.		20110	1										T	$\Box$					The second second
	NAME	SFTE		J	F	X	A	M	J	J	A	S	0	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
	Hardhead catfish		ABUNDANT	X	X	Α.	Х	Х	Х	Χ	Х	Х	Х	Х	X	MAY-AUG	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC
	Red drum		COMMON	Х	Х	Х	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	-	-	-	JAN-DEC	JAN-DEC
	Sand seatrout		RARE	Х	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	-	-	-	JAN-DEC	JAN-DEC
	Sheepshead		COMMON	Х	X	X	X	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	-	-	-	DEC-JAN	JAN-DEC
	Southern flounder		COMMON	X	X	X	Х	Х	Х	Х	Х	Χ	Х	Х	Х	-	-	-	JAN-DEC	JAN-DEC
	Spot		HIGHLY-	+	X	Х	X	Χ	Х	Χ	Х	Χ	Χ	Х		_	_	_	FEB-NOV	APR-NOV
	Зрот		ABUNDANT		^	^	^	^	^	^	^	^	^	^		-	-	-	FEB-INOV	AFR-NOV
	Spotted		COMMON	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	AUG-NOV	JAN-DEC
	seatrout					<u> </u>														
	Striped mullet		COMMON	X	X	X	X	Х	X	Χ	Х	Χ	Χ	Х	Χ	-	-	-	JAN-DEC	JAN-DEC
	Tarpon		RARE	-	-	Х	X	Χ	X	Χ	X	Χ	Χ	Х		-	-	-	MAR-NOV	-
	Silver perch		RARE	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	JUN-DEC	JUN-DEC
	Alligator gar		-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Blue catfish		ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Atlantic spadefish		RARE					Х	X	Х	Х	Х	Х	Х	Х	-	-	-	MAY-DEC	-
	Bay whiff		RARE	X	X	Х	Х	Х	X	Х	Х	Χ	Х	X	Χ	-	-	_	APR-SEP	JAN-DEC
0508	Atlantic croaker		HIGHLY-	Х		Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	AUG-APR	-	-	APR-NOV	JAN-DEC
			ABUNDANT																	
	Atlantic		-				X	Х	Х	Χ	X	Χ	Χ			-	-	-	APR-OCT	-
	sharpnose shark																			
	Bay anchovy		-	Х	X	Х	X	Х	Х	Х	Χ	Χ	Х	Х	Χ	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Black drum		-	Х	Х	Х	X	Х	Х	Χ	Χ	Χ	Χ	Х	Χ	FEB-JUL	-	MAR-JUL	AUG-JAN	JAN-DEC
	Bull shark		ABUNDANT	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	MAY-AUG	MAY-AUG	APR-NOV	JAN-DEC
	Gafftopsail		-							Χ	Χ	Χ	Χ	Χ		-	-	-	-	-
	catfish					<u> </u>														
	Gray snapper		-	X	X	X	X	X	X	X	X	X	X	X	Χ	-	-	APR-NOV	JAN-DEC	JAN-DEC
	Gulf menhaden		-	<u> </u>	<u> </u>	X	X	X	X	X	X	X	X			JUL-OCT	-	-	-	MAR-OCT
	Hardhead catfish		-	X	X	X	Х	Χ	X	Χ	X	Х	Χ	X	Х	MAY-SEP	-	-	-	JAN-DEC
	Lane snapper		-	X	X	X	Х	Χ	X	Χ	Х	Χ	Χ	X	Х	-	-	-	-	_
	Pinfish		-	X	X	X	X	X	X	X	X	X	X	X	X	- AUG-APR	-	-	-	JAN-DEC
	Red drum		-	X	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	-	-	-	JAN-DEC
	Sand seatrout		ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	-	SEP-FEB
	Sheepshead		-	X	Х	Х	X	Х	X	Х	Х	Х	Х	X	Х	-	-	JAN-MAY	-	JAN-DEC
	Silver seatrout		-	Х	X	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	-	-	-	-	-
	Southern		-	Х	Х							Х	Χ	Х	Χ	SEP-FEB	-	-	OCT-DEC	SEP-FEB
	flounder			-		<u> </u>														
	Southern kingfish		-						X	Х	Х	Χ	Х			-	-	-	-	JUN-OCT
	Spot		_	X	X	Х	Х	Χ	Х	Χ	X	X			Х	DEC-APR	_	-	_	DEC-SEP
	Spotted		_	X	X							X	X	X	X	-	_	_	_	SEP-FEB
	seatrout																			JEI TEB
	Star drum		COMMON	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	-	JAN-DEC
	Striped mullet		ABUNDANT	Х	Χ							Χ	Χ	Х	Χ	OCT-DEC	-	-	-	SEP-FEB
	Silver perch		HIGHLY-	X	Χ										Χ	-	-	-	-	DEC-FEB
			ABUNDANT	ļ.,																
	Atlantic spadefish		-	X	X	X	Х	Х	Х	Χ	Х	Χ	Х	X	Х	-	-	-	APR-NOV	JAN-DEC
	Banded drum		-			Χ	Х	Х	Х	Х	Х					-	-	_	-	_
	Florida		-	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Χ	-	-	MAY-AUG	MAY-DEC	JAN-DEC
	pompano																			
	Gray triggerfish		ABUNDANT	X	X	Χ	Х	Χ	X	Χ	Х	Χ	Χ	X	Χ	-	-	-	-	JAN-DEC
	Red snapper		-	Х	Χ	X	Х	Χ	X	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	JAN-DEC	JAN-DEC
	Atlantic bumper		-			_		Χ	X	Χ	Χ	Χ	Χ	Х		-	-	-	-	MAY-NOV
	Atlantic tripletail		-	X	X	Х	Х	Х	X	Χ	Х	Χ	Χ	Х	Χ	-	-	-	-	-
	Blackfin tuna		_	+				Χ	X	Χ	X	Х	Χ				-	-		MAY-OCT
	Blacktip shark		_	+		Х	Х	X	X	X	X	X	X	X	Х	<u>-</u>	-	<u>-</u>	MAR-DEC	MAR-DEC
	Cobia		_	+					X	X	X	X			Λ	_	-	_	-	-
	Crevalle jack		-	X	X	Х	Х	Х	X	X	X	X	Х	X	Х	-	-	MAR-NOV	-	JAN-DEC
	Greater		-	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	-	-	-	JAN-DEC	JAN-DEC
	amberjack																			
	Gulf butterfish		HIGHLY-	X	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	-	_	-	JAN-DEC	JAN-DEC
			ABUNDANT	_		_	'						^						1	
	King mackerel		-	-																
	Spanish mackerel		ABUNDANT		-	V	V	X	X	X	X	X	X	V		-	-	-	- MAD NOV	MAY-OCT
						X	X	X	X	X	X			X		- MAY-SEP		-	- MAR-NOV	MAY-OCT MAR-NOV
	Spinner shark		-			X	X	Х	Х	X	Х	X	X	X			-		MAR-NOV	MAR-NOV
0510	Spinner shark Atlantic croaker		- HIGHLY-	X	X	X	X					X	X	X	X	MAY-SEP	- MAY-SEP	-		
0510	Atlantic croaker			X	X		X	X X X	X X X	X X X	X X X	X X X	X X X		X	MAY-SEP -	- MAY-SEP -	-	MAR-NOV  MAY-OCT  APR-NOV	MAR-NOV MAY-OCT
0510	Atlantic croaker  Atlantic		HIGHLY-	X	X			X	X	X	X	X X X	X X		X	MAY-SEP -	- MAY-SEP -	-	MAR-NOV MAY-OCT	MAR-NOV MAY-OCT
0510	Atlantic croaker		HIGHLY- ABUNDANT	X	X		X	X X X	X X X	X X X	X X X	X X X	X X X		X	MAY-SEP -	- MAY-SEP - -	-	MAR-NOV  MAY-OCT  APR-NOV	MAR-NOV MAY-OCT
0510	Atlantic croaker  Atlantic sharpnose		HIGHLY- ABUNDANT	X	X		X	X X X	X X X	X X X	X X X	X X X	X X X	X	X	MAY-SEP -	- MAY-SEP - -	-	MAR-NOV  MAY-OCT  APR-NOV	MAR-NOV MAY-OCT
0510	Atlantic croaker  Atlantic sharpnose shark		HIGHLY- ABUNDANT -			X	X	X X X	X X X	X X X	X X X	X X X X	X X X X	X		MAY-SEP  - AUG-APR -	- MAY-SEP - -	- - -	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT	MAR-NOV  MAY-OCT  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark Bay anchovy		HIGHLY- ABUNDANT - -	X	X	X	X	X X X	X X X	X X X	X X X	X X X X	X X X X	X	X	MAY-SEP  - AUG-APR  - MAR-NOV	- MAY-SEP  MAR-NOV	- - - MAR-NOV	MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  -  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy Black drum Bull shark Gafftopsail		HIGHLY- ABUNDANT - - -	X	X	X	X X X	X X X X	X X X X	X X X X	X X X X	X X X X	X X X X X	X	X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL	- MAY-SEP MAR-NOV -	- - - MAR-NOV MAR-JUL	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish		HIGHLY- ABUNDANT ABUNDANT -	X X X	X X X	X X X	X X X X	X X X X X	X X X X X	X X X X X X X	X X X X X X	X X X X X X X	X X X X X X X	X X X X	X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL	- MAY-SEP  MAR-NOV - MAY-AUG -	- - - - MAR-NOV MAR-JUL MAY-AUG -	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN  APR-NOV  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy Black drum Bull shark  Gafftopsail catfish  Gray snapper		HIGHLY- ABUNDANT  -  -  -  ABUNDANT  -  -  ABUNDANT  -	X	X	X X X	X X X X	X X X X X X X	X X X X X	X X X X X X X X	X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X	X X X	X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL	- MAY-SEP  MAR-NOV - MAY-AUG -	- - - - MAR-NOV MAR-JUL MAY-AUG	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN  APR-NOV  -  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden		HIGHLY- ABUNDANT  -  -  -  ABUNDANT  -  -  ABUNDANT  -  -	X X X	X X X	X X X X	X X X X X	X X X X X X X X	X X X X X X X	X X X X X X X X X	X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X	X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT	- MAY-SEP  MAR-NOV - MAY-AUG	- - - - MAR-NOV MAR-JUL MAY-AUG -	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN  APR-NOV  -  JAN-DEC  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy Black drum Bull shark Gafftopsail catfish Gray snapper Gulf menhaden Hardhead		HIGHLY- ABUNDANT  -  -  -  ABUNDANT  -  -  ABUNDANT  -	X X X	X X X	X X X	X X X X	X X X X X X X	X X X X X	X X X X X X X X	X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X	X X X X	X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL	- MAY-SEP  MAR-NOV - MAY-AUG -	- - - - MAR-NOV MAR-JUL MAY-AUG -	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN  APR-NOV  -  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish		HIGHLY- ABUNDANT  -  -  -  ABUNDANT  -  -  ABUNDANT  -  -	X X X	X X X	X X X X	X X X X X	X X X X X X X X X	X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X	X X X X X X X X X	X X X X X X X X X	X X X X	X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP	- MAY-SEP  MAR-NOV - MAY-AUG	- - - - MAR-NOV MAR-JUL MAY-AUG -	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN  APR-NOV  -  JAN-DEC  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy Black drum Bull shark Gafftopsail catfish Gray snapper Gulf menhaden Hardhead catfish Lane snapper		HIGHLY-ABUNDANT  -  -  ABUNDANT  -  ABUNDANT  -  -  -  -  -  -  -  -  -  -  -  -  -	X X X	X X X	X X X X X	X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X	X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP -	- MAY-SEP  MAR-NOV - MAY-AUG	MAR-NOV MAR-JUL MAY-AUG APR-NOV -	MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish		HIGHLY-ABUNDANT  ABUNDANT	X X X	X X X X	X X X X	X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X	X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP	- MAY-SEP  MAR-NOV - MAY-AUG	MAR-NOV MAR-JUL MAY-AUG APR-NOV	MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish		HIGHLY-ABUNDANT  -  -  ABUNDANT  -  ABUNDANT  -  -  -  -  -  -  -  -  -  -  -  -  -	X X X X	x x x x x x x x x x	X X X X X X	X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X	X X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum		HIGHLY-ABUNDANT  -  -  -  ABUNDANT  -  -  -  -  -  -  -  -  -  -  -  -  -	X X X X X X X X	X X X X	X X X X X	X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X	X X X X X	x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT	- MAY-SEP	MAR-NOV MAR-JUL MAY-AUG APR-NOV	MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN  APR-NOV  -  JAN-DEC  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout		HIGHLY-ABUNDANT  -  -  ABUNDANT  -  ABUNDANT  -  -  -  -  ABUNDANT  -  ABUNDANT	X X X X X X X X X	X	X X X X X X	X X X X X X X X X	X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X	x x x x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP	- MAY-SEP  MAR-NOV - MAY-AUG MAR-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern		HIGHLY-ABUNDANT  ABUNDANT	X X X X X X X X X X	x x x x x x x x x x x x x	X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X	X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x	x x x x x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP	- MAY-SEP  MAR-NOV - MAY-AUG MAR-SEP -		MAR-NOV  MAY-OCT  APR-NOV  APR-OCT  JAN-DEC  AUG-JAN  APR-NOV  -  JAN-DEC  -  -  -  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder		HIGHLY-ABUNDANT  -  -  -  ABUNDANT  -  -  -  ABUNDANT  -  -  -  -  -  ABUNDANT  -  -  -  -  -  -  -  -  -  -  -  -  -	X X X X X X X X X X X	X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X X X X X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  -  -  -  -  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  SEP-FEB
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern  flounder  Southern		HIGHLY-ABUNDANT  -  -  -  ABUNDANT  -  -  -  ABUNDANT  -  -  -  -  -  ABUNDANT  -  -  -  -  -  -  -  -  -  -  -  -  -	X X X X X X X X X X X	X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X	X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X X X X X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  -  -  -  -  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish		HIGHLY-ABUNDANT  ABUNDANT	X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	x x x x x x x x	MAY-SEP  - AUG-APR - MAR-NOV FEB-JUL JUL-OCT MAY-SEP - AUG-APR AUG-OCT MAR-SEP SEP-FEB -	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  -  OCT-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot		HIGHLY-ABUNDANT  -  -  ABUNDANT  -  ABUNDANT  -  -  -  -  -  -  -  -  -  -  -  -  -	X X X X X X X X X X X X X X X X X X X	X	X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP - AUG-APR AUG-OCT MAR-SEP SEP-FEB - DEC-APR	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC OCT-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT  DEC-SEP
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot  Spotted		HIGHLY-ABUNDANT  ABUNDANT	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	x x x x x x x x	MAY-SEP  - AUG-APR - MAR-NOV FEB-JUL JUL-OCT MAY-SEP - AUG-APR AUG-OCT MAR-SEP SEP-FEB -	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  -  OCT-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot  Spotted seatrout		HIGHLY-ABUNDANT  ABUNDANT	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X	x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X	X X X X X X X X	x x x x x x x x x x x x x x x x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP - AUG-APR AUG-OCT MAR-SEP SEP-FEB - DEC-APR	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC OCT-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT  DEC-SEP  SEP-FEB
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot  Spotted		HIGHLY-ABUNDANT  -  -  ABUNDANT  -  ABUNDANT  -  -  -  -  -  -  -  -  -  -  -  -  -	X X X X X X X X X X X X X X X X X X X	X	X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X	X X X X X X X X	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP SEP-FEB - DEC-APR -	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  OCT-DEC  -  -  -  -  -  -  -  -  -  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT  DEC-SEP
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot  Spotted seatrout  Star drum		HIGHLY-ABUNDANT  -  -  ABUNDANT  -  -  ABUNDANT  -  -  -  -  -  -  ABUNDANT  -  -  -  COMMON	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP SEP-FEB - DEC-APR -	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  OCT-DEC  -  -  -  -  -  -  -  -  -  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT  DEC-SEP  SEP-FEB  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot  Spotted seatrout  Star drum		HIGHLY-ABUNDANT  ABUNDANT ABUNDANT COMMON HIGHLY-ABUNDANT HIGHLY-	X X X X X X X X X X X X X X X X X X X	X	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP SEP-FEB - DEC-APR -	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  OCT-DEC  -  -  -  -  -  -  -  -  -  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT  DEC-SEP  SEP-FEB  JAN-DEC
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot  Spotted seatrout  Star drum  Striped mullet  Silver perch		HIGHLY-ABUNDANT  ABUNDANT ABUNDANT COMMON HIGHLY- ABUNDANT HIGHLY- ABUNDANT	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP  - AUG-APR AUG-OCT MAR-SEP SEP-FEB SEP-FEB	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC  -  -  -  -  -  -  -  OCT-DEC  -  -  -  -  -  -  -  -  -  -  -  -  -	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT  DEC-SEP  SEP-FEB  JAN-DEC  MAY-NOV  DEC-FEB
0510	Atlantic croaker  Atlantic sharpnose shark  Bay anchovy  Black drum  Bull shark  Gafftopsail catfish  Gray snapper  Gulf menhaden  Hardhead catfish  Lane snapper  Pinfish  Red drum  Sand seatrout  Sheepshead  Silver seatrout  Southern flounder  Southern kingfish  Spot  Spotted seatrout  Star drum  Striped mullet		HIGHLY-ABUNDANT  ABUNDANT ABUNDANT COMMON HIGHLY-ABUNDANT HIGHLY-	X X X X X X X X X X X X X X X X X X X	X	X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x	x x x x x x x x x	MAY-SEP  - AUG-APR  - MAR-NOV FEB-JUL JUL-OCT MAY-SEP - AUG-APR AUG-OCT MAR-SEP SEP-FEB - DEC-APR	- MAY-SEP		MAR-NOV  MAY-OCT APR-NOV  APR-OCT  JAN-DEC AUG-JAN APR-NOV  -  JAN-DEC	MAR-NOV  MAY-OCT  JAN-DEC  JAN-DEC  JAN-DEC  JAN-DEC  MAR-OCT  JAN-DEC  JAN-DEC  SEP-FEB  JAN-DEC  SEP-FEB  JUN-OCT  DEC-SEP  SEP-FEB  JAN-DEC  MAY-NOV

### Fish

RNUM	NAME	SF	T E	CONC	J_	F_	М	Α	M	J	J	Α	S	0	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
	Florida pompano			-	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	-	-	MAY-AUG	MAY-DEC	JAN-DEC
	Gray triggerfish			ABUNDANT	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	-	-	-	-	JAN-DEC
	Red snapper			-	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ	Х	Χ	-	-	-	JAN-DEC	JAN-DEC
	Atlantic bumper			-					Χ	Χ	Χ	Х	Χ	Χ	Х		-	-	-	-	MAY-NOV
	Atlantic tripletail			-	X	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	-	-	-	-	-
	Blackfin tuna			-					Χ	Χ	Χ	Χ	Χ	Χ			-	-	-	-	MAY-OCT
	Blacktip shark			-			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	MAR-DEC	MAR-DEC
	Cobia			-						Χ	Χ	Χ	Χ				-	-	-	-	-
	Crevalle jack			-	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	MAR-NOV	-	JAN-DEC
	Greater amberjack			-	X	Х	Х	Х	Х	Х	Х	Х	Χ	Х	X	X	-	-	-	JAN-DEC	JAN-DEC
	Gulf butterfish			HIGHLY- ABUNDANT	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	-	-	-	JAN-DEC	JAN-DEC
	King mackerel			-					Χ	Χ	Χ	Χ	Χ	Χ			-	-	-	-	MAY-OCT
	Spanish mackerel			ABUNDANT			Х	Х	Х	Х	Х	Х	Χ	Χ	Х		MAY-SEP	MAY-SEP	-	MAR-NOV	MAR-NOV
	Spinner shark			-					Χ	Х	Χ	Χ	Χ	Χ			_	_	-	MAY-OCT	MAY-OCT

#### Invertebrate

ARNUM	NAME	SF	TE	CONC	J	F	M	Α	M	J	J	Α	S	0	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
0655	Atlantic surfclam			-	X	Х	Х	Х	Х	X	Х	Х	Χ	Χ	Χ	Х	SEP-MAY*	-	-	-	JAN-DEC
	Atlantic ghost crab			-	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	AUG-APR*	-	-	-	JAN-DEC
	Mole crab			-	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	APR-MAY	-	-	-	JAN-DEC
	Speckled swimming crab			COMMON	Х	Χ	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	-	-	-	-	-
	Lettered olive			-	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	-	-
0656	Brief squid			-	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	MAR-DEC	MAR-DEC	MAR-DEC	JAN-DEC	JAN-DEC
	Blue crab			ABUNDANT	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	JAN-DEC	-	-
	Lesser blue crab			-	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	-	-	MAR-DEC	-	-
	Atlantic seabob shrimp			-	Х									Χ	Χ	Х	-	-	-	-	OCT-JAN
	Brown shrimp			-			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ			-	-	-	-	MAR-OCT
	White shrimp			ABUNDANT	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	MAR-SEP	-	-	-	JAN-DEC
0674	Atlantic rangia			-	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	MAR-OCT	-	MAR-OCT	JAN-DEC	JAN-DEC
	Blue crab			ABUNDANT	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Atlantic seabob shrimp			RARE								Х	Χ	Х	Χ		-	-	-	-	AUG-NOV
	Brown shrimp			COMMON			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ		-	-	MAR-APR	MAY-NOV	-
	White shrimp			ABUNDANT	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	MAY-JUN	MAY-DEC	JAN-DEC
0691	Atlantic surfclam			-	X	Х	Х	Х	Х	X	Χ	Х	Χ	Х	Х	Х	SEP-MAY*	-	-	-	JAN-DEC
	Brief squid			-	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	MAR-DEC	MAR-DEC	MAR-DEC	JAN-DEC	JAN-DEC
	Atlantic ghost crab			-	X	Х	Х	Х	Х	X	Χ	Х	Χ	Х	Х	Х	AUG-APR*	-	-	-	JAN-DEC
	Blue crab			ABUNDANT	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	JAN-DEC	-	-
	Lesser blue crab			-	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Х	-	-	MAR-DEC	-	-
	Mole crab			-	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	APR-MAY	-	-	-	JAN-DEC
	Speckled swimming crab			COMMON	Х	Χ	Х	Х	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	-	-
	Lettered olive			-	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	-	-	-	-	-
	Atlantic seabob shrimp			-	Х									Χ	Χ	Χ	-	-	-	-	OCT-JAN
	Brown shrimp			-			Х	Χ	Х	Χ	Χ	Χ	Χ	Χ			-	-	-	-	MAR-OCT
	White shrimp			ABUNDANT	Х	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	MAR-SEP	_	-	_	JAN-DEC

#### Marine Mammal

RARNUM	NAME	SF	ΤE	CONC	J	F	М	А	М	J	J	А	S	0	N	D	Mating	Calving	Pupping	Molting
0738	Bottlenose dolphin			-	Х	X	Х	Χ	Х	Χ	Χ	Х	Х	Х	Х	Х	-	JAN-DEC	-	-
0739	West Indian manatee	S/F	E/E	VERY-RARE						Χ	Χ	Х					-	-	-	-

## Reptile

RARNUM	NAME	SF	ΤE	CONC	J	F	М	А	М	J	J	А	S	0	N	D	Nesting	Hatching	Internesting	Juveniles	Adults
0762	Green sea turtle	S/F	T/T	OCCASIONAL			Х	Х	Х	Х	Х	X	Х	Х	Х		-	-	-	MAR-NOV	-
	Hawksbill sea turtle	S/F	E/E	OCCASIONAL			Х	Х	Х	Х	Х	Х	Х	Х			-	-	-	MAR-OCT	-
	Kemp's ridley sea turtle	S/F	E/E	COMMON				Х	Х	Х	Х	Х	Х	Х	Х		-	-	-	APR-NOV	APR-NOV
	Loggerhead sea turtle	S/F	T/T	OCCASIONAL	Х	X	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	-	-	-	JAN-DEC	-

### **Terrestrial Mammal**

RARNUM NAME	SF	TE	CONC	J	F	M	А	M	J	J	А	S	0	N	D	Nesting
0797 Northern river otte			-	Χ	Χ	X	Χ	X	Х	Χ	Х	Х	Х	Х	Х	N/A

#### Human Use Resources

Facility	RARNUM	NAME	CONTACT	CONTACT INFO
	1182	Big Hill Strategic Petroleum Reserve	John Guidry	409-981-8232
Water Intake	RARNUM	NAME	CONTACT	CONTACT INFO
	4064	U S DEPARTMENT ENERGY		

1. Incident Name		2. Op	oerational Peri	Assignment I	List ICS 204-OS			
3. Branch			4. Divisi	on/Group				
5. Operations Personnel Operations Section Chief Branch Director Division/Group Supervisor								
6. Resources Assigned This Period				"X	" Indicates 20	04a attachemen	t with special instruction	ons
Resource Identifier		Leader	C	ontact Info #	# of Pers	sons Reportin	ng Info/Notes/Remark	S
7. Assignments								
SAFETY NOTE: Shallow, reptiles in area								
8. Site Number: 9. Quad Name 47-A Star Lake			10. NOAA 11343	Chart #	11. GLO <i>A</i>	atlas Page #	12. County Jefferson	
13. Site Information: 47-A Site 47-A is an inlet leading to Star Lake a Island Bridge. Site is located at the point w					approx. 14.5 m	iles East of High	14. Latitude From: N 29°41'22"	То:
Island Bridge. Site is located at the point v	where the rev	www.benus.Northeastwe	iru. Site rias a cont	rete dam protecting it.			15. Longitude From: W 94°09'29.74"	То:
16. Closest Boat Ramp High Island Bridge					17. Distance 15.5 miles	From Ramp	18. Boat Type Flat Bottom Boat	
19. Directions From Local Sector Take Hwy 69 North to IH10 West, to Winn immediately at foot of bridge. Follow road			ntinue on Hwy 124	until you cross over Hig	h Island Bridge	e. Turn Right	20. Closest Airport Jefferson County	
y c							21. Closest Helo Spor Jefferson County	t
22. Trustee/Contact Numbers USCG: (409) 723-6509	RRC:	(713)869-5001	23. Resources a Atlas Priority	nt Risk High		24.Width of in in ft.	nlet 100'	
TGLO: (800) 832-8224	TPWD: NRDA:	(409)892-8666 (512) 463 -9309	Environmental	Environmental Habitat for threatened osprey and Peregrine falcon, waterfowl, wading birds, river otter and 25. Water depth 26. Current Me				
TCEQ: (409)781-9330 25. Booming Strategy Recommendation	USFWS:	(281) 286-8282	Economic	Commercial traffic		27. No. of Pers	sonnel 2	
Boom should be configured in an excl		as to prevent oil fro	m entering cuts.	Bring sufficient ancho	ors and rope t	o accomplish ta	isk.	
	RIAL PHOTO					ON SITE PHOT	0	





29. Prepared By: 30. Reviewed by (PSC) 31. Reviewed by (OSC): Assignment List ICS 204 OS (Geographic Response Plan)

1. Incident Na	me		Operational Peri	erational Period (Date/Time) Assignment List ICS 204-						
3. Branch				4. Division/Group						
5. Operations										
Operations Se										
Branch Direct Division/Grou		-								
						113/11 1 1 1 6	204 11 1			
	signed This Period	1				,		ment with special instruction		
Resou	rce Identifier		Leader	C	Contact Info #	# of Per	rsons Rep	orting Info/Notes/Remark	S	
7. Assignments										
SAFETY NOTE:	Shallow, reptiles in an	ea								
8. Site Number	: 9. Quad Name			10. NOAA	Chart #	11. GLO	12 County	12. County		
47-B	Star Lake			11343	,			Jefferson		
13. Site Informa				1.0.0				14. Latitude From:	To:	
		lake inside Sa	alt Bayou Marsh. Inlet is	s on the North side o	f ICWW, approx. 13.	75 miles East of	High Island	N 29°41'21.03"	10.	
			nall and difficult to see.				9	1E Longitudo From	To:	
								15. Longitude From:	10:	
								W 94°10'04.70"		
16. Closest Boat	: Ramp					17. Distanc	e From Ram	p 18. Boat Type		
High Island Brid	lge					13.75 mil		Flat Bottom Boat		
10 Discriber F								20. 01		
	rom Local Sector	60 North to IU	10 West to Winnie. Exit	1H10 to Hww 124 Sc	outh Continue on Hi	wy 124 until vou v	cross tha High	20. Closest Airport Jefferson		
			llow the road to the laur		Julii. Continue on m	vy 124 uniii you i	JUSS the High	Jenerson		
								21. Closest Helo Spot	t	
								Jefferson		
22 Tarrette (0-a	the et Nicosele eur			22 D	- A Dist.					
22. Trustee/Cor USCG:	(409) 723-6509	RRC:	(713)869-5001	23. Resources a	Medium			of inlet 60'		
	(409) 719-1597									
USCG DUTY:	,	TPWD:	(409)892-8666	Environmental	onmental Peregrine falcon, waterfowl, wading birds, river otter and			depth in ft. 2'		
TGLO:	(800) 832-8224	NRDA:	(512) 463 -9309					5. Current Medium		
TCEQ:	(409)781-9330	USFWS:	(281) 286-8282 Economic Commercial traffic 27. No. of Personnel 2							
	ategy Recommend									
Boom should b	e configured in an e	xclusion patt	ern as to prevent oil	from entering cuts	. Bring sufficient a	nchors and rop	e to accomp	lish task.		









29. Prepared By: 30. Reviewed by (PSC) 31. Reviewed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Project Updated:

1. Incident Na	ime	2. 0	Operational Peri	Period (Date/Time) Assignment List ICS 204						
3. Branch	Branch 4. Division/Group									
5. Operations										
Operations S										
Branch Direc		-								
	up Supervisor									
	ssigned This Period							ent with special instructio		
Resou	ırce Identifier		Leader	C	Contact Info #	# of Per	sons Report	ing Info/Notes/Remarks		
7. Assignments		"		1		U.				
SAFETY NOTE	Shallow, reptiles in ar	ea								
8. Site Numbe	r: 9. Quad Name			10. NOAA	Chart #	11 GLO	Atlas Page #	12. County		
47-C	Star Lake			11343				47 Jefferson		
13. Site Informa				11010			17	14. Latitude From:	To:	
		across from e	each other on the North	and South hanks of	the ICWW. Site is locate	ed 13 75 miles	East of High	N 29°41'10.27"	10.	
Island Bridge. N	orth inlet is Spindle top	Gully, which	feeds a marsh North of	the ICWW. South inl	let leads to Star Lake, w	hich feeds a r	marsh on		_	
McFadden Natio	onal Wildlife Refuge. A	concrete barri	ier controls the water flo ict USFW if Threatened	w to this inlet, which	is visible from the ICW\	N. There is a	Ranger Station	15. Longitude From:	To:	
located ficarby,	Willi Toda decess il fiet	.cssary. Come	ict 03i W ii Triicaterica					W 94°11'04.20"		
16. Closest Boa	t Ramp					17. Distance	e From Ramp	18. Boat Type		
High Island Brid	•					13.75 mile		Flat Bottom Boat	= :	
10 01 11 5								00.01		
	rom Local Sector	40 North to III	10 West to Winnie Evi	t ILI10 to Lluny 104 C	outh Continue on Hung	124 uptil vou	croce over High	20. Closest Airport		
Island Bridge. Tu	arn Right at foot of bric	dge. Follow roa	ad to the launch.	1 IH 10 to HWy 124 S	outh. Continue on Hwy	124 urilli you i	1055 over High	Jefferson County		
Ü	Ü							21. Closest Helo Spot		
								Jefferson County		
22. Trustee/Co	ntact Numbers			23. Resources a	at Diek					
USCG:	(409) 723-6509	RRC:	(713)869-5001	Atlas Priority	High		24.Width of in ft.	inlet N 800'/S 400'		
USCG DUTY:	(409) 719-1597	TPWD:	(409)892-8666		_	osprev and		epth in ft. 16'		
	(800) 832-8224			Environmental	Peregrine falcon, waterfowl, wading birds, river otter and 26. Current					
TGLO:		NRDA:	(512) 463 -9309	Farmania						
TCEQ:	(409)781-9330	USFWS:	(281) 286-8282	Economic	Commercial traffic		27. NO. OT PE	ersonnel 2		
	rategy Recommend									
Boom should b	e configured in an e	xclusion patt	ern as to prevent oil	from entering cuts	. Bring sufficient anch	nors and rope	e to accomplish	n task.		









29. Prepared By: 30. Reviewed by (PSC) 31. Reviewed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Project Updated:

Name 2. Operational Period (Da	tional Period (Date/Time)						
4. Division/Gr	4. Division/Group						
ns Personnel s Section Chief ector roup Supervisor							
Assigned This Period	"X" Indicates 204a attachement with	special instructions					
source Identifier Leader Contact	nfo# # of Persons Reporting Info	/Notes/Remarks					
nts							
E: Shallow, reptiles in area							
ber: 9. Quad Name 10. NOAA Chart # Star Lake 11343		12. County Jefferson					
mation: 47-D  ne intake point for Big Hill Strategic Petroleum Reserve. Site is located on the North bank of Economic contacts: Big Hill Strategic Petroleum Reserve 409-981-8232.		atitude From: To: 29°40'59"					
Economic contacts. Big fill Strategic Fetroleum Neserve 407-701-0232.		ongitude From: To: / 94°11'42"					
oat Ramp Bridge	-	Boat Type Bottom Boat					
s From Local Sector I Island Bridge take Hwy 69 North to IH10 West, to Winnie. Exit IH10 to Hwy 124 South. Co Right immediately at foot of bridge. Follow the road to ramp.		Closest Airport erson County					
		Closest Helo Spot erson County					
22. Trustee/Contact Numbers 23. Resources at Risk 24. Width of inlet 400' under the contact Numbers 24. Width of inlet 400' in ft.							
Environmental Peregr	for threatened osprey and ne falcon, waterfowl, birds, river otter and 25. Water depth in f						
	ercial traffic 27. No. of Personnel	ersonnel 2					
## SPridge  ## SFrom Local Sector  ## Island Bridge take Hwy 69 North to IH10 West, to Winnie. Exit IH10 to Hwy 124 South. Co.  ## Right immediately at foot of bridge. Follow the road to ramp.  ### Contact Numbers  ## (409) 723-6509 RRC: (713)869-5001 Atlas Priority Media.  ### (409) 719-1597 TPWD: (409)892-8666  ### (800) 832-8224 NRDA: (512) 463 -9309  ### INTERIOR PROVIDED TO THE PROVIDED TO	13.25 miles  Flat  20. C  Jeffe  21. C  Jeffe  22. Width of inlet 4 in ft.  25. Water depth in f.  26. Current Mediuit 27. No. of Personnel	Boolers Closers OO  Tt.					









29. Prepared By: 30. Reviewed by (PSC) 31. Reviewed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Project Updated:

								_	back to iv
1. Incident Na	me		2. Operational Period (Date/Time)  Assignment List ICS 204-OS						
3. Branch				4. Divisi	on/Group				
5. Operations Operations S									
Branch Direc									
Division/Gro	up Supervisor	-							
6. Resources As	ssigned This Period				"X	" Indicates 20	4a attachemen	t with special instruction	ns
Resou	ırce Identifier		Leader	C	Contact Info #	# of Pers	ons Reportir	ng Info/Notes/Remarks	
7. Assignments									
SAFETY NOTE	Shallow, reptiles in are	ea							
8. Site Numbe	r: 9. Quad Name			10. NOAA	Chart #	11. GLO A	tlas Page #	12. County	
47-E	Star Lake			11343			47		
13. Site Informa								14. Latitude From: To:	
Site 47-E is the : bank of the ICW		ng to Spindle to	op oilfield and surround	ing marsh. Inlet is lo	cated 12.25 miles East	of High Island	Bridge on North	N 29°40'35"	
bank or the row								15. Longitude From:	То:
								W 94°12'40"	
16. Closest Boa	t Ramp					17. Distance	From Ramp	18. Boat Type	
High Island Brid					12.25 miles			Flat Bottom Boat	
10 Directions F	rom Local Sector							20. Closest Airport	
		69 North to IH	10 West, to Winnie, Exi	t IH10 to Hwv 124 S	outh. Continue on Hwy	124 until vou c	oss over Hiah	Jefferson County	
Island Bridge. To	urn Right at foot of the	bridge. Follow	road to launch.	,	,	,	3	,	
								21. Closest Helo Spot	
								Jefferson County	
22. Trustee/Co	ntact Numbers			23. Resources a	at Risk		24.Width of in	let 350'	
USCG:	(409) 723-6509	RRC:	(713)869-5001	Atlas Priority	Low	in ft.		net 555	
USCG DUTY:	(409) 719-1597	TPWD:	(409)892-8666	Environmental	Habitat for threatened		25. Water dep	oth in ft. 5'	
TGLO:	(800) 832-8224	NRDA:	(512) 463 -9309 Peregrine falcon, waterfowl, wading birds, river otter and		26. Current I				
				Commercial traffic			sonnel 2		
	rategy Recommend						1		
Boom should b	e configured in an e	xclusion patt	ern as to prevent oil	from entering cuts	. Bring sufficient anch	nors and rope	to accomplish t	task.	
		AFRIAI PHOT	0				ON SITE PHOT	ΓΩ	









29. Prepared By: 30. Reviewed by (PSC) 31. Reviewed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Project Updated: