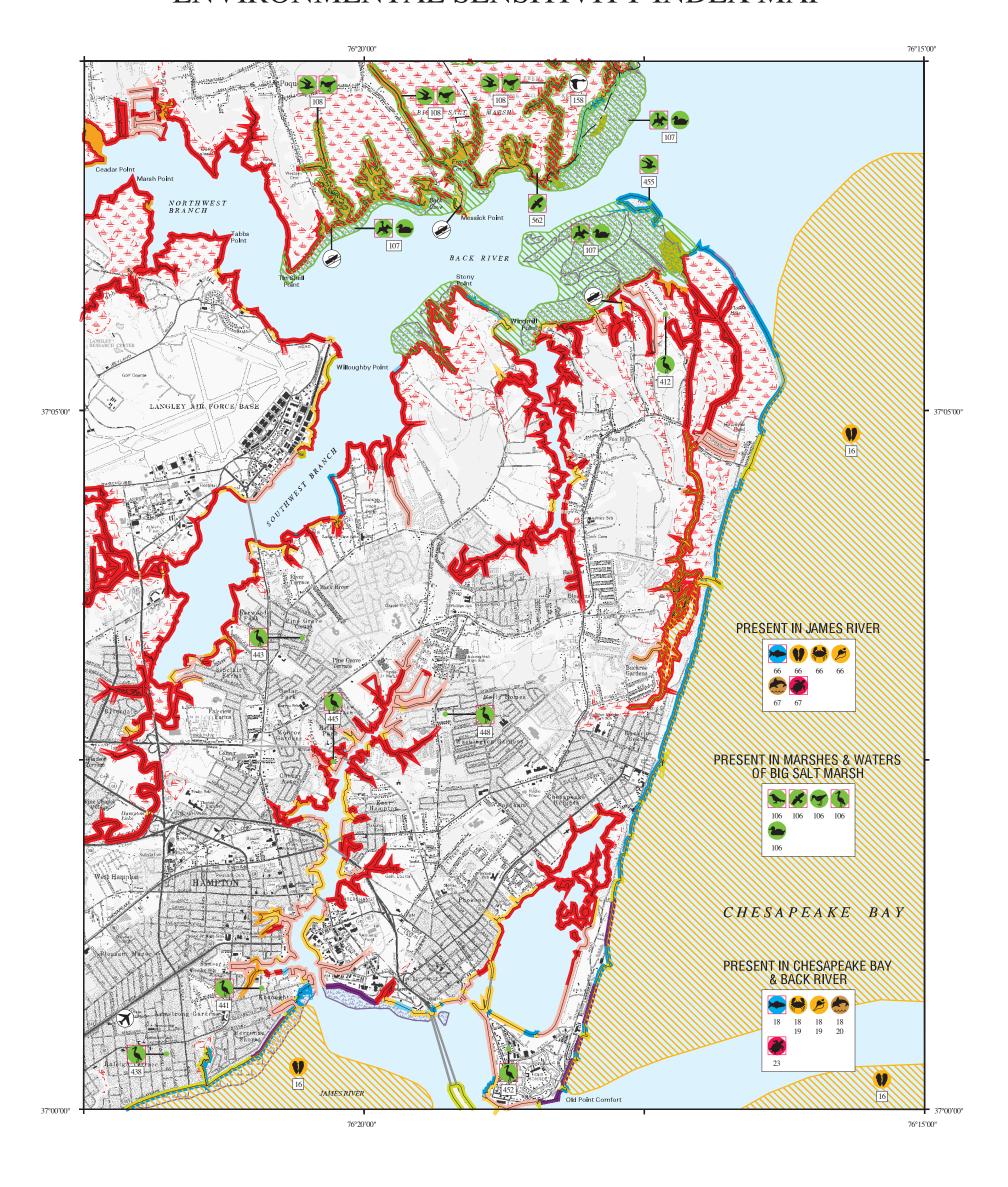
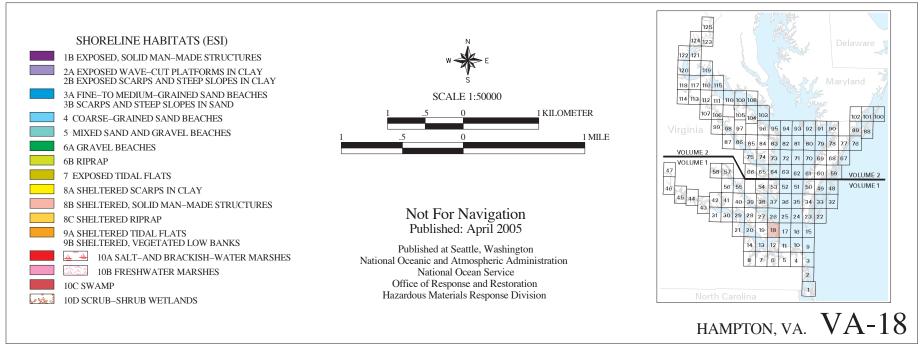
ENVIRONMENTAL SENSITIVITY INDEX MAP





Virginia: ESIMAP 18

BIOLOGICAL RESOURCES:

BIRD	:
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BIRD	:											
RAR#	Species	S F C	onc.	JFM	AM	JJAS	SOND	Nesting	Migrating	Molting	ī	
106	Amorican black duck			 v v v	·	 , , , , ,		APR-JUN			_	
100	American black duck American wigeon			XXX		\	XXX	APR-JUN -	_	_		
	Black-necked stilt					XXX		_	_	_		
	Blue-winged teal						XX	-	-	_		
	Brant			XXX			X X X	-	-	-		
	Canada goose Glossy ibis	С		XXX	X X	X X X X X X		APR-JUN	_	_		
	Great blue heron	C				X X X X		_	_	_		
	Great egret	С				XXXX		_	_	_		
	Green-winged teal			X X X	Χ		X X X	-	-	-		
	Mallard							MAY-JUL	-	-		
	Northern harrier	С		X		X X X X		MAR-MAY	-	_		
	Osprey Red-shouldered hawk				•	XXXX	XX	_	_	_		
	Saltmarsh sharp-tailed sparrow	С		XXX	XX	XXXX		MAY-JUL	_	_		
	Sedge wren	С		X	XX	XXX		MAY-JUL	-	_		
	Snow goose			XXX		, ,, ,, ,	XXX	-	-	-		
	Snowy egret Striated heron			Х	ХΧ.	X X X X X X		_	_	_		
	Tricolored heron	С				XXX		_	_	_		
	Yellow-crowned night-heron	С				ΧХΣ	ζ	-	-	_		
107	Brant		ERY HIGH	XXX			X X X	-	-	-		
	Brown pelican Bufflehead	С	IGH	ххх		XXXX	XXX	_	_	_		
	Canvasback	п	161	XXX			XXX	_	_	_		
	Common goldeneye			ххх			X X X		-	-		
	Common loon						ХХ	-	-	-		
	Double-crested cormorant					ХΣ	XXX	-	-	-		
	Long-tailed duck Mergansers			X X X			X X X X X X X X X X X X X X X X X X X	_	_	_		
	Ruddy duck			XXX			XXX	_	_	_		
	Scaup	H	IGH	XXX			X X X	-	-	-		
	Scoters	H	IGH	XXX			X X X	-	-	-		
1.00	Tundra swan			XXX		XXXX	XXX	_	-	_		
100	American oystercatcher Black skimmer					^ ^ ^ ^ ^	Δ Λ	_	_	_		
	Common tern					XXXX	ζ	_	_	_		
	Great black-backed gull					XXXX	XXX	-	-	_		
	Laughing gull					XXXX	ζ	-	-	-		
	Least tern	С				XX	7 37 37	-	-	-		
	Lesser yellowlegs Piping plover	тт		X	X X X	X Z	XXX	_	_	_		
	Royal tern			21	21	XΣ		_	_	_		
	Sandwich tern	С				X X		-	-	_		
	Short-billed dowitcher					X X	ХХ	-	-	-		
410	Willet	_	NECEC	37 37 37		XXXX		- MAY-JUL	-	-		
	Great blue heron Yellow-crowned night-heron		NESTS NESTS			x		MAY-JUL MAY-JUL	_	_		
111	C	a 2	MEGEG			XXXX		MAY-JUL	-	_		
	Yellow-crowned night-heron	C 4	NESTS			XXXX		MAY-JUL	-	_		
443	Yellow-crowned night-heron Yellow-crowned night-heron Yellow-crowned night-heron Great egret	C 5	5 NESTS			XXXX		MAY-JUL	-	-		
445	Yellow-crowned night-heron Great egret	C 5	NESTS			X		MAY-JUL MAY-JUL	_	_		
452	Yellow-crowned night-heron	C 6	NESTS				XXX	MAY-JUL	_	_		
455	Common tern	9	NESTS 30 NESTS			XXXX		MAY-JUL	_	_		
	Table base		20 MEGEG									
		C 1	30 NE312				ζ	MAY-JUL	-	-		
	Peregrine falcon	C 1:	SU NESIS				ζ	MAY-JUL MAR-AUG	-	-		
	Peregrine falcon	C 1	SU NESIS						-	-		
562 FISH	Peregrine falcon	T		Χ	XXX	XXX		MAR-AUG		- - Larvae	Juveniles	Adults
562 FISH RAR#	Peregrine falcon Species	T		У Ј F M 	X X X	X		MAR-AUG				
562 FISH RAR#	Peregrine falcon Species	T		J F M X X	A M (ХХХ ЈЈА 5 	S O N D	MAR-AUG Spawning	Eggs 		-	FEB-JUN
562 FISH RAR#	Peregrine falcon Species	T		J F M X X X X X	A M (J J A S	S O N D	MAR-AUG Spawning			JAN-DEC	FEB-JUN SEP-DEC
562 FISH RAR#	Peregrine falcon Species Alewife American eel	T		J F M X X	A M (X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs 	 - -	-	FEB-JUN
562 FISH RAR#	Peregrine falcon Species	T		J F M	A M (X X X X X X X X X X X X X X X X X X X	G O N D X X X X X X X	MAR-AUG Spawning	Eggs - - - - -	 - - - -	JAN-DEC NOV-MAR AUG-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR
562 FISH RAR#	Peregrine falcon Species	T		X F M X X X X X X X X X X X X X X X X	A M 6	X X X X X X X X X X X X X X X X X X X	S O N D X X X X X X X X X X X X X	MAR-AUG Spawning	Eggs - - - - -		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside	T		X F M X X X X X X X X X X X X X X X X	A M 6	X X X X X X X X X X X X X X X X X X X	S O N D X X X X X X X X X X X X X X X X	Spawning MAR-JUL	Eggs - - - - -		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC
562 FISH RAR#	Peregrine falcon Species	T		J F M X X X X X X X X X X X	A M (X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic spadefish Atlantic sturgeon Bay anchovy	S F C		J F M	A M	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning APR-SEP	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic spadefish Atlantic sturgeon Bay anchovy Black drum	S F C		J F M	A M	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning APR-SEP APR-JUN	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC AUG-OCT AUG-OCT AN-DEC APR-NOV	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic spadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass	S F C		X F M X X X X X X X X X X X X X X X	A M	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning MAR-JUL - APR-SEP APR-JUN JUN-OCT	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic spadefish Atlantic sturgeon Bay anchovy Black drum	S F C		J F M	* * * : : : : : : : : : : : : : : : : :	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning MAR-JUL - APR-SEP APR-JUN JUN-OCT	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC AUG-OCT AUG-OCT AN-DEC APR-NOV	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic spadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring	S F C		J F M	A M	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT
562 FISH RAR#	Peregrine falcon Species	S F C		X F M X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAR-NOV MAY-NOV
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic spadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies	S F C		X F M X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning MAR-JUL APR-SEP APR-JUN JUN-OCT APR-SEP	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV MAY-NOV JAN-DEC
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish	S F C		X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAR-NOV MAY-NOV JAN-DEC APR-NOV JAN-DEC
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic spadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies	S F C		J F M	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV MAY-NOV JAN-DEC
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic silverside Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	T J A S T T T T T T T T T T T T T T T T T T	S O N D	Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-NOV JAN-DEC APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-JUN
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning MAR-JUL APR-SEP APR-JUN JUN-OCT APR-SEP MAY-SEP APR-AUG	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAR-NOV MAY-NOV JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-JUN JAN-DEC JAN-JUN JAN-DEC JAN-DEC JAN-DEC
562 FISH RAR#	Peregrine falcon Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV APR-NOV MAR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
562 FISH RAR#	Peregrine falcon Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC APR-OCT
562 FISH RAR#	Peregrine falcon Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV APR-NOV MAR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern puffer Northern searobin	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning MAR-JUL APR-SEP APR-JUN JUN-OCT APR-SEP MAY-SEP APR-MAY APR-AUG APR-AUG MAY-JUN MAY-AUG MAY-JUL	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern puffer Northern searobin Red drum	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning MAR-JUL APR-SEP APR-JUN JUN-OCT APR-SEP - MAY-SEP APR-MAY APR-AUG APR-AUG APR-AUG MAY-JUN MAY-AUG MAY-JUL JUL-NOV	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT - AUG-SEP	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT MAR-OCT MAR-OCT MAY-NOV
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern puffer Northern searobin	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	Spawning MAR-JUL APR-SEP APR-JUN JUN-OCT APR-SEP MAY-SEP APR-MAY APR-AUG APR-AUG MAY-JUN MAY-AUG MAY-JUL	Eggs		JAN-DEC NOV-MAR AUG-DEC - JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-JUN JAN-DEC
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern puffer Northern searobin Red drum	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning MAR-JUL APR-SEP APR-JUN JUN-OCT APR-SEP - MAY-SEP APR-MAY APR-AUG APR-AUG APR-AUG MAY-JUN MAY-AUG MAY-JUL JUL-NOV	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT - AUG-SEP	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT MAR-OCT MAR-OCT MAY-NOV
562 FISH RAR#	Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT
562 FISH RAR#	Peregrine falcon Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT OCT-MAY
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern pipefish Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT OCT-MAY JAN-DEC
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern puffer Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch Spot	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	** ** * * * * * * * * * * * * * * * *	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT AUG-SEP FEB-MAY MAY-OCT JUN-OCT JAN-DEC MAR-NOV	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT MAR-OCT MAR-OCT MAR-OCT MAR-OCT MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT
562 FISH RAR#	Peregrine falcon Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic menhaden Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern pipefish Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	** ** * * * * * * * * * * * * * * * *	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT - JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV - JAN-DEC JUL-OCT NOV-MAR JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT OCT-MAY JAN-DEC
562 FISH RAR#	Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT AUG-SEP FEB-MAY MAY-OCT JUN-OCT JAN-DEC MAR-NOV MAR-JUN APR-NOV	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV MAR-NOV MAY-NOV JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAY-OCT MAY-OCT MAY-OCT MAR-OCT OCT-MAY JAN-DEC MAR-OCT OCT-MAY JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAR-JUN SEP-NOV APR-NOV
562 FISH RAR#	Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT JAN-DEC MAR-OCT JUN-OCT JAN-DEC MAR-NOV MAR-NOV MAR-JUN APR-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAY-NOV MAY-NOV MAY-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAY-OC
562 FISH RAR#	Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT - JAN-DEC MAR-OCT JUN-OCT - JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT MAR-OC
562 FISH RAR#	Species	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT JAN-DEC MAR-OCT JUN-OCT JAN-DEC MAR-NOV MAR-NOV MAR-JUN APR-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAY-NOV MAY-NOV MAY-OCT MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAY-OC
562 FISH RAR#	Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch Spot Spotted seatrout Striped bass Striped killifish Summer flounder	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	** ** * * * * * * * * * * * * * * * *	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT JAN-DEC MAR-OCT JAN-DEC MAR-OCT JUN-OCT AUG-SEP FEB-MAY MAY-OCT JUN-OCT JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAR-OCT MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT MAR-NOV MAR-JUN SEP-NOV APR-NOV JAN-DEC JAN-DEC APR-OCT
562 FISH RAR#	Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch Spot Spotted seatrout Striped bass Striped killifish Summer flounder Tautog Threadfin shad	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT AUG-SEP FEB-MAY MAY-OCT JUN-OCT JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-OCT JAN-JUN APR-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV APR-NOV MAY-NOV FEB-MAY SEP-NOV APR-NOV JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV APR-NOV JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV APR-NOV JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV APR-NOV JAN-DEC JAN-DEC MAR-OCT
562 FISH RAR# 18	Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern pipefish Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch Spot Spotted seatrout Striped bass Striped killifish Summer flounder Tautog Threadfin shad Weakfish	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning MAR-JUL APR-SEP APR-JUN JUN-OCT APR-SEP APR-AUG APR-AUG APR-AUG MAY-JUL JUL-NOV APR-MAY APR-AUG MAY-JUL JUL-NOV - APR-MAY APR-AUG MAY-JUL APR-SEP APR-MAY APR-MAY	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT - JAN-DEC MAR-OCT - JAN-DEC MAR-OCT - AUG-SEP FEB-MAY MAY-OCT JUN-OCT - JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAY-OCT MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAY-NOV MAR-JUN SEP-NOV APR-NOV APR-NOV APR-NOV APR-NOV
562 FISH RAR# 18	Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern pipefish Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch Spot Spotted seatrout Striped bass Striped killifish Summer flounder Tautog Threadfin shad Weakfish Alewife	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs		JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT AUG-SEP FEB-MAY MAY-OCT JUN-OCT JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV APR-NOV MAR-NOV MAY-NOV JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-JUN JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV MAR-NOV FEB-MAY SEP-NOV MAR-JUN SEP-NOV APR-NOV JAN-DEC JAN-DEC MAR-OCT OCT-MAY JAN-DEC MAR-OCT OCT-MAY JAN-DEC MAR-OCT OCT-MAY JAN-DEC MAR-NOV FEB-MAY SEP-NOV APR-NOV APR-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN SEP-NOV APR-NOV JAN-DEC JAN-DE
562 FISH RAR# 18	Species Alewife American eel American shad Atlantic croaker Atlantic mackerel Atlantic silverside Atlantic syadefish Atlantic sturgeon Bay anchovy Black drum Black sea bass Blueback herring Bluefish Butterfish Clearnose skate Gobies Harvestfish Hickory shad Hogchoker Inland silverside Minnows Mummichog Northern kingfish Northern pipefish Northern puffer Northern searobin Red drum Red hake Sandbar shark Scup (porgy) Silver hake Silver perch Spot Spotted seatrout Striped bass Striped killifish Summer flounder Tautog Threadfin shad Weakfish	S F C		X X X X X X X X X X X X X X X X X X X	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	S O N D	MAR-AUG Spawning	Eggs	MAY-NOV	JAN-DEC NOV-MAR AUG-DEC JAN-DEC JAN-DEC AUG-OCT JAN-DEC APR-NOV APR-OCT NOV-MAR MAY-NOV JUL-NOV JAN-DEC JUL-OCT NOV-MAR JAN-DEC MAR-OCT - JAN-DEC MAR-OCT - JAN-DEC MAR-OCT - AUG-SEP FEB-MAY MAY-OCT JUN-OCT - JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-NOV MAR-JUN APR-NOV JAN-DEC	FEB-JUN SEP-DEC JAN-JUN MAY-NOV MAR-APR MAY-OCT JAN-DEC AUG-NOV JAN-OCT JAN-DEC APR-NOV MAY-NOV MAY-NOV JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC APR-OCT JAN-DEC JAN-DEC JAN-DEC JAN-DEC MAR-OCT MAY-NOV FEB-MAY SEP-NOV MAY-NOV FEB-MAY SEP-NOV MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAY-OCT MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAR-OCT MAY-OCT MAY-NOV MAR-JUN SEP-NOV APR-NOV APR-NOV APR-NOV APR-NOV

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

Virginia: ESIMAP 18 (cont.)

BIOLOGICAL RESOURCES: (cont.)

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
66	Atlantic croaker		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Atlantic mackerel		X X	-	_	-	-	MAR-APR
	Atlantic menhaden			-	-	MAY-NOV	JAN-DEC	MAY-OCT
	Atlantic silverside		$\times \times $	MAR-JUL	_	-	JAN-DEC	JAN-DEC
	Atlantic spadefish		XXXX	-	_	-	AUG-OCT	AUG-NOV
	Atlantic sturgeon	C	$ \begin{smallmatrix} X & X & X & X & X & X & X & X & X & X$	-	-	-	JAN-DEC	APR-NOV
	Bay anchovy		$ \begin{smallmatrix} X & X & X & X & X & X & X & X & X & X$	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Black drum		$X \ X \ X \ X \ X \ X \ X$	APR-JUN	APR-JUN	APR-JUN	APR-NOV	APR-NOV
	Black sea bass		$X \ X \ X \ X$	-	-	-	APR-AUG	-
	Blueback herring		$X \ X \ X \ X \ X \ X \ X$	-	_	-	NOV-MAR	JAN-JUN
	Bluefish		X X X X X X X X	-	_	-	MAY-NOV	APR-NOV
	Butterfish		$X \ X \ X \ X \ X \ X \ X \ X$	-	-	-	JUL-NOV	MAR-NOV

1101411010 004190011	11 11 11 11 11 11 11 11 11 11 11 11				01111	11111
Bay anchovy		APR-SEP	-	_	JAN-DEC	JAN-DEC
Black drum	X X X X X X X X	APR-JUN	APR-JUN	APR-JUN	APR-NOV	APR-NOV
Black sea bass	X X X X X	-	-	-	APR-AUG	-
Blueback herring	$X \ X \ X \ X \ X \ X \ X$	-	-	-	NOV-MAR	JAN-JUN
Bluefish	X X X X X X X X	-	-	-	MAY-NOV	APR-NOV
Butterfish	$X\;X\;X\;X\;X\;X\;X\;X$	-	-	-	JUL-NOV	MAR-NOV
Clearnose skate	X X X X X X X	-	-	-	-	MAY-NOV
Gobies	$\times \times $	APR-SEP	APR-SEP	APR-OCT	JAN-DEC	JAN-DEC
Harvestfish	X X X X X X X	-	-	-	JUL-OCT	APR-OCT
Hickory shad	$X \ X \ X \ X \ X \ X \ X$	-	-	-	NOV-MAR	JAN-JUN
Hogchoker	$X\;X\;X\;X\;X\;X\;X\;X\;$	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
Inland silverside		APR-MAY	-	_	JAN-DEC	JAN-DEC
Minnows		APR-AUG	-	_	JAN-DEC	JAN-DEC
Mummichog		APR-AUG	-	_	JAN-DEC	JAN-DEC
Northern kingfish	X X X X X X X	-	-	-	-	APR-OCT
Northern pipefish	$\times \times $	MAY-JUN	-	-	JAN-DEC	JAN-DEC
Northern puffer	$X\;X\;X\;X\;X\;X\;X\;X$	MAY-AUG	-	_	MAR-OCT	MAR-OCT
Northern searobin	$\times \times $	MAY-JUL	-	-	-	MAR-OCT
Red drum	X X X X X X X	JUL-NOV	-	-	AUG-SEP	MAY-NOV
Red hake	X X X X	-	-	-	FEB-MAY	FEB-MAY
						SEP-NOV
Sandbar shark	X X X X X X	-	-	_	MAY-OCT	MAY-OCT
Scup (porgy)	$X\;X\;X\;X\;X\;X\;X\;X$	-	-	_	JUN-OCT	MAR-OCT
Silver hake	$X \ X \ X \ X \ X \ X \ X$	-	-	_	-	OCT-MAY
Silver perch		_	-	_	JAN-DEC	JAN-DEC
Spot	$X\;X\;X\;X\;X\;X\;X\;X\;$	-	-	DEC-APR	MAR-NOV	JAN-DEC
Spotted hake	X X X X X X X X X X X X X X X X X X X	-	-	_	MAR-JUN	MAR-JUN
						SEP-NOV
Spotted seatrout	X X X X X X X X	MAY-JUL	-	_	APR-NOV	APR-NOV
Striped bass	$X\;X\;X\;X\;X\;X\;X\;X\;$	-	-	_	JAN-DEC	JAN-DEC
Striped killifish		APR-SEP	-	_	JAN-DEC	JAN-DEC
Summer flounder		-	-	_	JAN-DEC	JAN-DEC
Tautog		_	-	_	-	OCT-APR
mbdfibd	77 77 77 77 77 77 77 77 77 77 77 77 77					DDD MAM

FEB-MAY

SEP-NOV

JAN-DEC

Weakfish INVERTEBRATE:

Threadfin shad

RAR#	Species	S F Conc.	JFI	1 A 1	МJ	JA	s c	ND	Spawning	Eggs	Larvae	Juveniles	Adults
16	Northern quahog (hard clam)		XXX	X X	ХХ	ХХ	ХХ	XXX	MAY-OCT	MAY-OCT	MAY-OCT	JAN-DEC	JAN-DEC
18	Horseshoe crab		XXX	X X	ХХ	ХХ	X X	XXX	-	-	-	JAN-DEC	JAN-DEC
	Knobbed whelk		XXX	X X :	ХХ	ХХ	XX	XXX	-	-	-	JAN-DEC	JAN-DEC
19	Blue crab		XXX	X X :	ХХ	ХХ	XX	XXX	MAY-OCT	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Channeled whelk		XXX	X X :	ХХ	ХХ	XX	XXX	-	-	-	JAN-DEC	JAN-DEC
66	Blue crab		XXX	X X :	ХХ	ХХ	XX	XXX	-	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Eastern oyster		XXX	X X :	ХХ	ХХ	XX	XXX	JUN-SEP	JUN-SEP	JUN-SEP	JAN-DEC	JAN-DEC
	Knobbed whelk		XXX	X X	ХХ	ХХ	X X	XXX	-	-	-	JAN-DEC	JAN-DEC

X X X X X X X X X X X X -

MARINE MAMMAL:

RAR#	Species	S F Conc.	JFM	АМ	JJ	ASO	ND	Mating	Calving	Pupping	Molting
18	Harbor porpoise		X X X	ХХ			X	-	-	_	_
20	Bottlenose dolphin			ХХ	ХХ	X X X		-	-	-	-
67	Bottlenose dolphin			ХХ	ХХ	X X X		-	-	-	-
	Harbor porpoise		X X X	ХХ			X	-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Internesting	Juveniles	Adults
23	Green sea turtle	т т	X X X X X X X	-	-	-	MAY-NOV	-
	Kemp's ridley sea turtle	E E	X X X X X X X	-	-	-	MAY-NOV	MAY-NOV
	Leatherback sea turtle	E E	X X X X X X X	-	-	-	-	MAY-NOV
	Loggerhead sea turtle	т т	X X X X X X X	-	-	-	MAY-NOV	MAY-NOV
67	Green sea turtle	т т	X X X X X X X	-	-	-	MAY-NOV	-
	Kemp's ridley sea turtle	E E	$X \ X \ X \ X \ X \ X$	-	-	-	MAY-NOV	-
	Leatherback sea turtle	E E	$X \ X \ X \ X \ X \ X$	-	-	-	-	MAY-NOV
	Loggerhead sea turtle	Т Т	X X X X X X X		_		MAY-NOV	

HUMAN USE RESOURCES:

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
158	PLUM TREE ISLAND NWR	U.S. FISH AND WILDLIFE SERVICE	757/721-2412