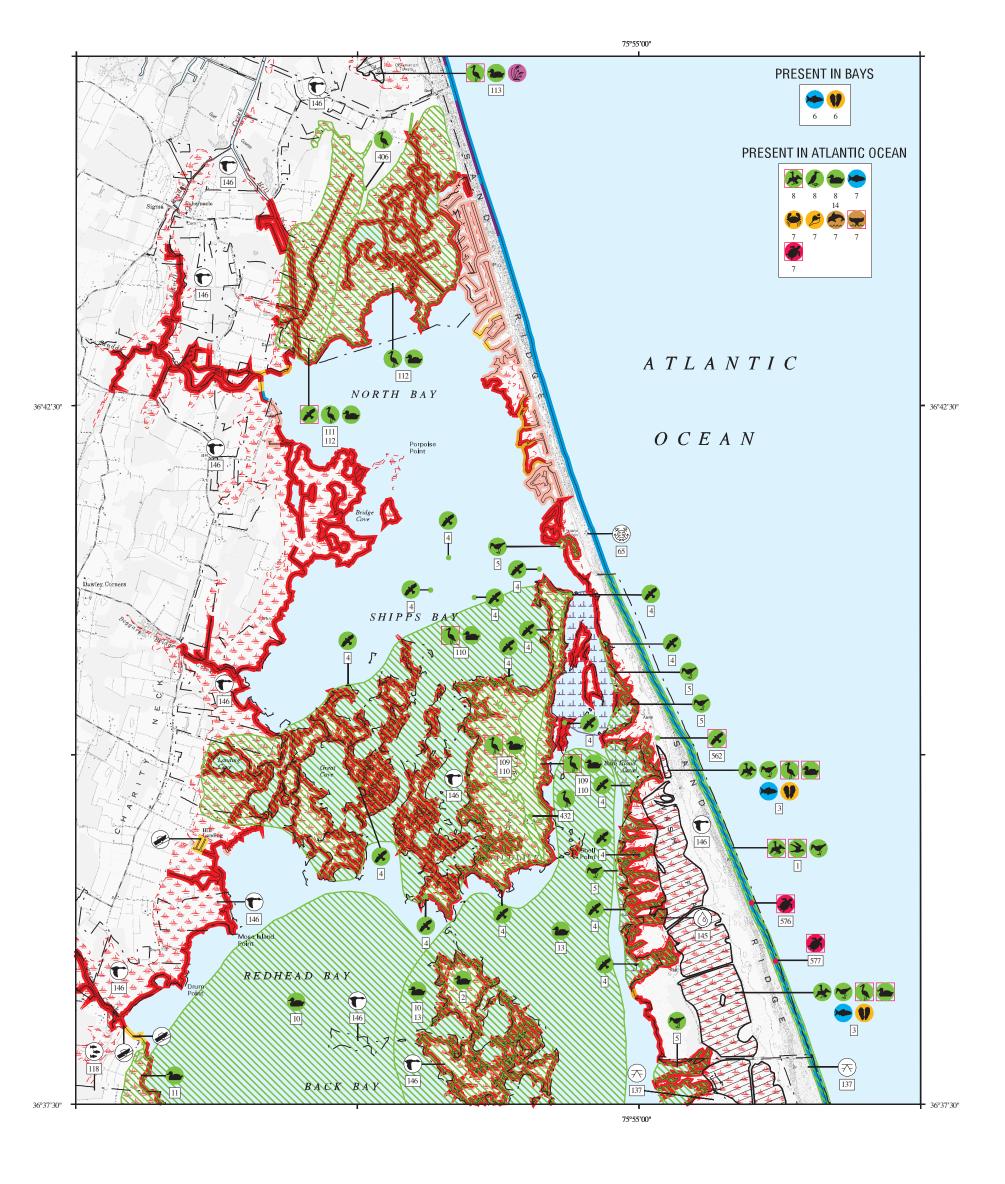
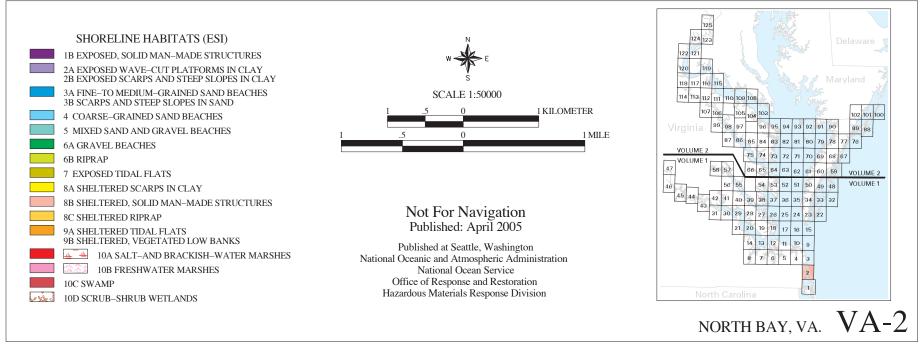
ENVIRONMENTAL SENSITIVITY INDEX MAP





Virginia: ESIMAP 2

BIOLOGICAL RESOURCES:

BIRD:

BIRD	:												
RAR#	Species	SF	Conc.	J E	M	A I	M	JJ	A	SOND	Nesting	Migrating	Molting
1	Black-bellied plover		LOW	 	 X	_ X	– X	 x x	- X	 x x x			
_	Bonaparte's gull		LOW	ХХ						Х	-	-	-
	Brown pelican	С	LOW					ХХ		XXX	-	-	-
	Caspian tern Common tern	С	LOW			X		v v		X X X X X X X X X X X X X X X X X X X	_	_	_
	Forster's tern		MODERATE							XXX	_	_	_
	Great black-backed gull		LOW	XX						X X X X	-	-	-
	Herring gull		LOW	XX						X X X X	-	-	-
	Laughing gull		LOW					ХХ		XXX	-	-	-
	Least sandpiper Least tern	С	LOW			X		ХХ		XXX	_	_	_
	Lesser black-backed gull		LOW	ХХ						x x x x	-	-	-
	Ring-billed gull		VERY HIGH	XX						X X X X	-	-	-
	Royal tern		MODERATE LOW			X		ХХ		X	-	-	_
	Ruddy turnstone Sanderling		VERY HIGH	ХХ				хх		л л л X X X X	_	_	_
	Sandwich tern	С	LOW							XXX	-	-	-
	Semipalmated plover		LOW	X X	X			ХХ		X X X X	-	-	-
	Semipalmated sandpiper		LOW		v	X		vv		X	-	-	-
2	Willet American black duck		LOW HIGH	х х						XXX	- APR-MAY	_	_
_	American wigeon		HIGH	XX							MAY-JUN	-	-
	Canada goose		LOW					ХХ			APR-JUN	-	-
	Gadwall		HIGH	XX							APR-MAY	-	-
	Green-winged teal Tundra swan		HIGH MODERATE	XX						X X X X X X X X X X X X X X X X X X X	_	_	_
3	American bittern		LOW					ХХ	_		APR-MAY	_	_
	American black duck		HIGH					ХХ			APR-MAY	-	-
	American coot		LOW	XX				.,		XXXX	-	-	-
	American wigeon Blue-winged teal		LOW MODERATE	XX					X		MAY-JUN MAY-JUN	_	_
	Bufflehead		LOW	ХХ		21 .	21 .	21 21		XXXX	-	_	_
	Canada goose		MODERATE	ХХ	X	X :	X :	ХХ	X	X X X X	APR-JUN	-	-
	Cattle egret		LOW					ХХ			JUN-AUG	-	-
	Common merganser Common moorhen	С	LOW	XX				v		XXXX	- MAY-JUN	_	_
	Gadwall	C	MODERATE	XX				Λ			APR-MAY	_	_
	Glossy ibis	С	LOW					ХХ		XXX	-	-	-
	Great blue heron		LOW	ХХ							MAY-JUL	-	-
	Great egret	С	MODERATE		Х			ХХ		XXX	-	_	-
	Greater yellowlegs Green-winged teal		LOW HIGH	ХХ	7 X	X :				X X X X X	_	_	_
	Killdeer		LOW	21 2:				ХХ		XXX	_	_	_
	King rail		MODERATE	ХХ	Х	Х	X	ХХ	X	X X X X	MAY-JUN	-	-
	Least bittern		LOW					ХХ			MAY-JUN	-	-
	Least sandpiper Lesser yellowlegs		LOW		Х	X X				X X X X	_	_	_
	Mallard		MODERATE VERY HIGH	ХХ	ХΣ			ХХ			APR-MAY	_	_
	Northern pintail		MODERATE	ХХ	ζ				2	X X X X	-	-	-
	Northern shoveler		LOW	ХХ						XXXX	-	-	-
	Pied-billed grebe		LOW	XX				ХХ		X X X X X X X X X X X X X X X X X X X	MAY-JUN -	-	_
	Ruddy duck Scaup		LOW	XX						XXXX	_	_	_
	Semipalmated plover		LOW					ХХ		X	-	-	-
	Semipalmated sandpiper		MODERATE			X :			2	X	-	-	-
	Short-billed dowitcher		LOW	77 7		X			,	· · · · · · · · · · · · · · · · · · ·	-	-	-
	Snow goose Snowy egret		MODERATE MODERATE	XX				x x		X X X X X X X X X X X X X X X X X X X	_	_	_
	Sora		LOW							XXXX	-	_	_
	Spotted sandpiper		LOW		Х	Х	Χ		2	XXX	-	-	-
	Tricolored heron	С	LOW					ХХ		XXX	-	-	-
	Tundra swan Virginia rail		MODERATE LOW	XX				y y		X	- MAY-JUN	_	_
	Wood duck		MODERATE	21 2						XXX	APR-MAY	_	_
4	- 1 - 2				Х	X	X :	ХХ	X	XXX	MAR-AUG	-	-
5	Greater yellowlegs		LOW			Χ.				X	-	-	-
	Lesser yellowlegs Semipalmated sandpiper		MODERATE MODERATE			X				X X	_	_	_
8	Brown pelican	С	MODERATE		Х			ХХ		XXX	_	_	_
	Common loon			ХХ						ХХ	-	-	-
	Northern gannet		HIGH	XX						ХХ		-	-
	Red-breasted merganser		VERY HIGH	XX						X X	_	-	-
	Red-necked grebe Red-throated loon			XX	X					ХХ	_	_	_
10	Lesser scaup		MODERATE	XX			Χ		2	XXXX	_	_	_
	Snow goose			ХХ	X	X :	Χ		2	X X X X	-	-	-
11	American black duck		HIGH					ХХ			APR-MAY	-	_
	American coot American wigeon		LOW	XX				X		X X X X X X X X X X X X X X X X X X X	- MAY-JUN	_	_
	Blue-winged teal		MODERATE						X		MAY-JUN	_	_
	Gadwall		MODERATE	XX	X	Х	X		2	X X X X	APR-MAY	-	-
	Green-winged teal		HIGH	XX				., .,		XXXX	-	-	-
	Mallard Northern pintail		VERY HIGH MODERATE	XX		Χ.	Χ.	ХХ		x	APR-MAY	_	_
	Northern shoveler		LOW	XX		X :	Χ			XXXX	_	_	_
	Wood duck		MODERATE		Х	X :	X	ХХ	X	XXX	APR-MAY	-	_
13	American wigeon		HIGH	X X						X X X X	-	-	-
1./	Gadwall Black scoter		HIGH HIGH	XX			Χ		2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_
1.1	Surf scoter		111011	XX						XX	_	_	_
	White-winged scoter			ХХ	ΧХ	Χ				X X	-	-	-
109	American bittern		LOW								APR-MAY	-	-
	Great blue heron		< 10 NESTS								MAY-JUL	-	-
	King rail Least bittern		LOW	X X				хх хх		AXXX	MAY-JUN MAY-JUN	-	-
	Virginia rail		LOW	ХХ						XXXX	MAY-JUN	_	_
110	American black duck		HIGH	X X	X	Х	X :	ХХ	X	X X X X	APR-MAY	-	-
	Canada goose		T OM								APR-JUN	-	-
	Great blue heron Great egret	С	LOW	ХХ						X X X X X X X X X X X X X X X X X X X	-		-
	Green-winged teal	C	HIGH	ХХ				A		x x x x	-	_	-
	Mallard							ХХ			APR-MAY	-	-
111	Bald eagle	ТТ		X X						X	MAR-MAY	-	-
	Least bittern Mallard		LOW-MODERATE	V 1		Χ.	X :	ХХ		V V V V	APR-MAY	_	-
112	Mallard American bittern		LOW	XX		Х	Χ	ХХ		X X X X X X X X X X X X X X X X X X X	- APR-MAY	_	_
	American black duck		-								APR-MAY	-	-
	Clapper rail		VERY LOW	X X	X	Х	X :		X	X X X	APR-MAY	-	-
	King rail		MODERATE	XX	X	X :	X		2	XXXX	APR-MAY	-	-

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 2 (cont.)

BIOLOGICAL RESOURCES: (cont.)

BIRD: (cont.)

	(cont.)	S F Conc.		T 17 1	W 70 10		7 0	0 N D	Mashina	Wi amaki na	Wal bina		
112	Species	S F Cone.			M A M 		A S		Nesting	Migrating	Molting 	- -	
	Mallard Virginia rail	LOW		XX	v v v	. A A	XXX	XXX	- APR-MAY	-	-		
	American black duck	LOW		XXX				XXX	-	-	_		
	Gadwall	LOW		XXX				XXX	-	-	-		
	Great blue heron Great egret	LOW C LOW					XX	X X X X X	-	-	_		
	Mallard	LOW		ххх				X X X	-	-	-		
	Tundra swan Great blue heron	LOW 5 NES	TS	XXX				X X X X X X X X X X X X X X X X X X X	- MAY-JUL	_	_		
432	Great blue heron	10 NE							MAY-JUL	-	-		
562	Peregrine falcon	T		Σ	XXX	XX	Χ		MAR-AUG	-	-		
FISH:													
	Species	S F Conc		JFN	MAM	IJJ	AS	OND	Spawning	Eggs	Larvae	Juveniles	Adults
3	Black crappie			 x x x	 x x x	 : x x	X X	 x x x	MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Bluegill								APR-SEP	-	-	-	JAN-DEC
	Bowfin Brown bullhead								APR-JUN APR-JUN	_	-	-	JAN-DEC JAN-DEC
	Chain pickerel								FEB-APR	-	-	-	JAN-DEC
	Chubsucker Common carp							XXX	- MAY-AUG	-	-	JAN-DEC -	JAN-DEC JAN-DEC
	Largemouth bass								MAR-MAY	-	-	-	JAN-DEC
	Pumpkinseed White perch							X X X X X X X X X X X X X X X X X X X	MAR-JUN	-	-	JAN-DEC JAN-DEC	JAN-DEC -
	Yellow perch							XXX	_	-	-	JAN-DEC	JAN-DEC
	Alewife							XXX	-	-	-	JAN-DEC	-
	American eel Atlantic menhaden							X X X X X X X X X X X X X X X X X X X	-	_	-	JAN-DEC JAN-DEC	_
	Blueback herring			ххх	ххх	XX	ХХ	ххх	-	-	-	JAN-DEC	-
	Bowfin Brown bullhead								APR-JUN APR-JUN	_	-	_	JAN-DEC JAN-DEC
	Common carp			ХХХ	ххх	XX	ХХ	X X X	MAY-AUG	-	-	-	JAN-DEC
	Spot Summer flounder							XXX	_	-	-	JAN-DEC JAN-DEC	- -
	Summer flounder White perch							X X X X X X X X X X X X X X X X X X X	- APR-JUN	- APR-JUN	- APR-JUN	JAN-DEC JAN-DEC	JAN-DEC
	Yellow perch				ХХХ	XX	ХХ	ХХХ	APR-JUN	-	-	JAN-DEC	JAN-DEC
	Atlantic croaker Atlantic mackerel			>	Х Х	. х Х	X X	XXX	-	-	-	AUG-DEC -	MAY-NOV MAR-APR
	Atlantic menhaden			ххх				X X X	-	-	-	JAN-DEC	MAY-OCT
	Black drum Black sea bass						XXX		- JUN-OCT	_	_	- APR-OCT	APR-OCT APR-OCT
	Bluefish				ХХ	XX	ХХ	ХХ	-	-	-	MAY-NOV	APR-NOV
	Butterfish Crevalle jack						XX	X X X X X	-	-	_	JUL-NOV JAN-DEC	MAR-NOV -
	Northern kingfish			21 21 2			XX		MAY-AUG	-	-	-	APR-OCT
	Northern searobin Pollock			X X X		XX	ХХ	X X	_	-	-	-	MAR-OCT DEC-APR
	Red drum			21 21 2		XX	ХХ		JUL-NOV	-	-	-	MAY-NOV
	Red hake			ХΣ	XXX		X	X X	-	-	-	FEB-MAY	FEB-MAY SEP-NOV
	Sandbar shark				Х	XX	ХХ	X	_	_	_	MAY-OCT	MAY-OCT
	Scup (porgy)						ХХ		-	-	-	JUN-OCT	MAR-OCT
	Silver hake Southern kingfish (whiting)			ххх				X X X X		_	_	-	OCT-MAY APR-OCT
	Spanish mackerel				ХХ				-	-	-	-	APR-MAY
	Spiny dogfish Spot			XXX		· v v	V V	X X X X X		-	- DEC-APR	- MAR-NOV	NOV-APR MAR-NOV
	Spotted hake						XX		-	-	-	MAR-JUN	MAR-JUN
					17 17	, .,							SEP-NOV
							77 77	37 37				MOM DOM	
	Spotted seatrout Summer flounder			ххх				X X X	MAY-JUL -	-	- OCT-MAY	APR-NOV	APR-NOV APR-OCT
	Summer flounder Tautog				X	X X X	X X X X	X X X X X X	- APR-AUG	- - -	OCT-MAY -	- -	APR-NOV APR-OCT JAN-DEC
	Summer flounder Tautog Weakfish				X	X X X	X X X X	X X X	- APR-AUG	-	OCT-MAY	-	APR-NOV APR-OCT
IABIT	Summer flounder Tautog Weakfish	S F Conc		ХХХ	X	X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X	- APR-AUG	-	OCT-MAY -	- -	APR-NOV APR-OCT JAN-DEC
IABII AR#	Summer flounder Tautog Weakfish PAT: Species	S F Conc.		J F N	X	X X X X X X X X X X X X X X X X X X X	X X : X X : X X X : X X X : X X : X X : X X : X X : X X : X X X : X X X : X	X X X X X X X X X	- APR-AUG	-	OCT-MAY -	- -	APR-NOV APR-OCT JAN-DEC
IABII AR#	Summer flounder Tautog Weakfish	S F Conc		J F N	X	X X X X X X X X X X X X X X X X X X X	X X : X X : X X X : X X X : X X : X X : X X : X X : X X : X X X : X X X : X	X X X X X X X X	- APR-AUG	-	OCT-MAY -	- -	APR-NOV APR-OCT JAN-DEC
IABIT AR# 113	Summer flounder Tautog Weakfish PAT: Species	S F Conc.		J F N	X	X X X X X X X X X X X X X X X X X X X	X X : X X : X X X : X X X : X X : X X : X X : X X : X X : X X X : X X X : X	X X X X X X X X X	- APR-AUG	-	OCT-MAY -	- -	APR-NOV APR-OCT JAN-DEC
HABIT RAR# 113 INVER	Summer flounder Tautog Weakfish PAT: Species	S F Conc		J F N	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	- - - Eggs	OCT-MAY -	- APR-NOV	APR-NOV APR-OCT JAN-DEC APR-NOV
HABIT RAR# 113 INVER RAR#	Summer flounder Tautog Weakfish PAT: Species Rare plant	S F Conc		J F N	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	A S (X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	- - - Eggs	OCT-MAY - MAY-AUG	- - APR-NOV	APR-NOV APR-OCT JAN-DEC APR-NOV
HABIT LAR# 113 INVER LAR# 3	Summer flounder Tautog Weakfish PAT: Species	S F Conc		J F N X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	_ _ _ _ Eggs 	OCT-MAY - MAY-AUG Larvae	Juveniles JAN-DEC JAN-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC
IABIT AR# 113 ::NVER AR# 3	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species	S F Conc		J F N	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	- - - Eggs	OCT-MAY MAY-AUG Larvae	Juveniles JAN-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC
IABIT AR# 113 INVER AR# 3 6 7	Summer flounder Tautog Weakfish PAT: Species	S F Conc		J F N X X X J F N X X X X X X X	M 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 X X X X X X X	APR-AUG APR-AUG Spawning	_ _ _ _ Eggs 	OCT-MAY - MAY-AUG Larvae	Juveniles JAN-DEC JAN-DEC JAN-DEC JAN-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC
IABIT AR# 113 :NVER AR# 3 6 7	Summer flounder Tautog Weakfish PAT: Species	S F Conc		J F N X X X J F N X X X X X X X	M 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 X X X X X X X	APR-AUG APR-AUG Spawning	Eggs 	CCT-MAY MAY-AUG Larvae MAY-NOV	Juveniles JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT RAR# 113 INVER RAR# 3 6 7 MARIN RAR#	Summer flounder Tautog Weakfish PAT: Species Rare plant PTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species	S F Conc.		J F M X X X J 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 X X X X X	X X : X X : X X X X : X X X : X X X X : X X X X : X X X X : X X X X : X X X X : X X X X : X X X X : X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs 	CCT-MAY MAY-AUG Larvae MAY-NOV	Juveniles Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT LAR# 113 INVER LAR# 7 MARIN LAR#	Summer flounder Tautog Weakfish PAT: Species Rare plant PTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Brackishwater clam Brackishwater clam Brackishwater clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species	S F Conc.		J F M X X X J 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 X X X X X	A S (X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs 	CCT-MAY - MAY-AUG Larvae MAY-NOV -	Juveniles Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT RAR# 113 INVER RAR# 3 6 7 MARIN RAR#	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin	S F Conc.		J F N X	X X X X X X X X X X X X X X X X X X X	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs	CCT-MAY - MAY-AUG Larvae MAY-NOV -	Juveniles Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT LAR# 113 INVER AR# 3 6 7 MARIN LAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise	S F Conc.		J F N	X X X X X X X X X X X X X X X X X X X	[X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs	CCT-MAY - MAY-AUG Larvae MAY-NOV -	Juveniles Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT RAR# 113 INVER RAR# 3 6 7 MARIN RAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant PATEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale	S F Conc.		J F N	X X X X X X X X X X X X X X X X X X X	[X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs	CCT-MAY - MAY-AUG Larvae MAY-NOV -	Juveniles Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT AR# 113 NVEF AR# 7 MARIN AR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant PATEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale	S F Conc. S F Conc.		J F N X	X X X X X X X X X X X X X X X X X X X	[X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT RAR# 113 INVER RAR# 7 MARIN RAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant PATEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale	S F Conc.		J F N X	X X X X X X X X X X X X X X X X X X X	[X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC Jan-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
HABIT RAR# 113 INVER RAR# 7 REPTI RAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale ILE: Species Green sea turtle	S F Conc.		J F N X	X X X X X X X X X X X X X X X X X X X	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning	Eggs	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles JAN-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V -
HABIT RAR# 113 INVER RAR# 7 MARIN RAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale ILE: Species Green sea turtle Kemp's ridley sea turtle Leatherback sea turtle	S F Conc. S F Conc. E E S F Conc. T T E E E E		J F N X	X X X X X X X X X X X X X X X X X X X	[X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting	Eggs JAN-DEC	CCT-MAY - MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-DEC	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V MAY-NOV
HABIT LAR# 3 6 7 MARIN LAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale ILE: Species Green sea turtle Kemp's ridley sea turtle Leatherback sea turtle Loggerhead sea turtle	S F Conc. S F Conc. E E T T E E E E T T		J F N X	X X X X X X X X X X X X X X X X X X X	[X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting	Eggs JAN-DEC Hatching	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V MAY-NOV MAY-NOV MAY-NOV V MAY-NOV
IABIT LAR# 113 INVER LAR# 3 6 7 MARIN LAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale ILE: Species Green sea turtle Kemp's ridley sea turtle Leatherback sea turtle	S F Conc. S F Conc. E E S F Conc. T T E E E E		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting	Eggs JAN-DEC Hatching	CCT-MAY - MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-Dec	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V MAY-NOV MAY-NOV MAY-NOV MAY-NOV
HABIT RAR# 113 INVER RAR# 7 MARIN RAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale ILE: Species Green sea turtle Kemp's ridley sea turtle Leatherback sea turtle Loggerhead sea turtle Loggerhead sea turtle Loggerhead sea turtle	S F Conc. S F Conc. E E T T E E E E T T		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting Nesting Nesting	Eggs JAN-DEC Hatching	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V V MAY-NOV MAY-NOV MAY-NOV MAY-NOV
HABIT RAR# 113 INVER RAR# 7 MARIN RAR# 7	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale ILE: Species Green sea turtle Kemp's ridley sea turtle Leatherback sea turtle Loggerhead sea turtle Loggerhead sea turtle	S F Conc. S F Conc. E E T T E E E E T T		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting Nesting Nesting	Eggs JAN-DEC Hatching	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V V MAY-NOV MAY-NOV MAY-NOV MAY-NOV
HABIT RAR# 3 6 7 MARIN RAR# 7 S76 577 HUMAN	Summer flounder Tautog Weakfish PAT: Species Rare plant RTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale ILE: Species Green sea turtle Kemp's ridley sea turtle Leatherback sea turtle Loggerhead sea turtle Loggerhead sea turtle Loggerhead sea turtle	S F Conc. S F Conc. E E T T E E E E T T		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting Nesting Nesting	Eggs JAN-DEC Hatching	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V V MAY-NOV MAY-NOV MAY-NOV MAY-NOV
HABIT RAR# 113 INVEF RAR# 3 6 7 MARIN RAR# 7 S76 577 HUMAN COAST	Summer flounder Tautog Weakfish PAT: Species Rare plant PTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk FE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale PUE: Species Green sea turtle Kemp's ridley sea turtle Loggerhead sea turtle	S F Conc. S F Conc. E E T T E E E E T T		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting Nesting Nesting	Eggs	CCT-MAY MAY-AUG Larvae MAY-NOV - Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V V MAY-NOV MAY-NOV MAY-NOV MAY-NOV
HABIT RAR# 113 INVEF RAR# 3 6 7 MARIN RAR# 7 S76 577 HUMAN COAST	Summer flounder Tautog Weakfish PAT: Species Rare plant PTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Brackishwater clam Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale PLE: Species Green sea turtle Kemp's ridley sea turtle Leatherback sea turtle Loggerhead sea turtle	S F Conc. S F Conc. E E T T E E E E T T		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting Nesting Nesting	Eggs	CCT-MAY MAY-AUG Larvae MAY-NOV Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V V MAY-NOV MAY-NOV MAY-NOV MAY-NOV
HABIT RAR# 113 INVER RAR# 3 6 7 MARIN RAR# 7 576 577 ===== HUMAN COAST HUN# 65	Summer flounder Tautog Weakfish CAT: Species Rare plant CTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk IE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale CLE: Species Green sea turtle Kemp's ridley sea turtle Loggerhead sea turtle	S F Conc. S F Conc. E E T T E E E E T T		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting Nesting Nesting	Eggs	CCT-MAY MAY-AUG Larvae MAY-NOV Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V V MAY-NOV MAY-NOV MAY-NOV MAY-NOV
HABIT RAR# 113 INVER RAR# 7 MARIN RAR# 7 576 577 1000 COAST HUMAN COAST HUMAN COAST HUMAN 65	Summer flounder Tautog Weakfish PAT: Species Rare plant PTEBRATE: Species Brackishwater clam Carolina marsh clam Brackishwater clam Blue crab Channeled whelk PE MAMMAL: Species Bottlenose dolphin Common dolphin Harbor porpoise Humpback whale PEE: Species Green sea turtle Leatherback sea turtle Loggerhead sea turtle LITILE ISLAND USCG STATION	S F Conc. S F Conc. E E T T E E E E T T		J F N X	M A M A M A M A M A M A M A M A M A M A	: X X X X X X X X X X X X X X X X X X X	* X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	APR-AUG APR-AUG Spawning Nesting Nesting Nesting	Eggs JAN-DEC Hatching	CCT-MAY MAY-AUG Larvae MAY-NOV Pupping	Juveniles Jan-DEC Molting ————————————————————————————————————	APR-NOV APR-OCT JAN-DEC APR-NOV Adults JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC V V MAY-NOV MAY-NOV MAY-NOV MAY-NOV

Virginia: ESIMAP 2 (cont.)

HUMAN USE RESOURCES: (cont.)

PARK:

HUN# Name Contact Phone 757/426-7128 137 FALSE CAPE STATE PARK VA DCR

WATER INTAKE:

HUN# Name

Contact _____ -----145 WATER INTAKE JOHN GALLEGOS 757/721-2412

Phone

WILDLIFE REFUGE:

HUN# Name Contact Phone _____ 146 BACK BAY NATIONAL WILDLIFE REFUGE U.S. FISH AND WILDLIFE SERVICE 757/721-2412

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.