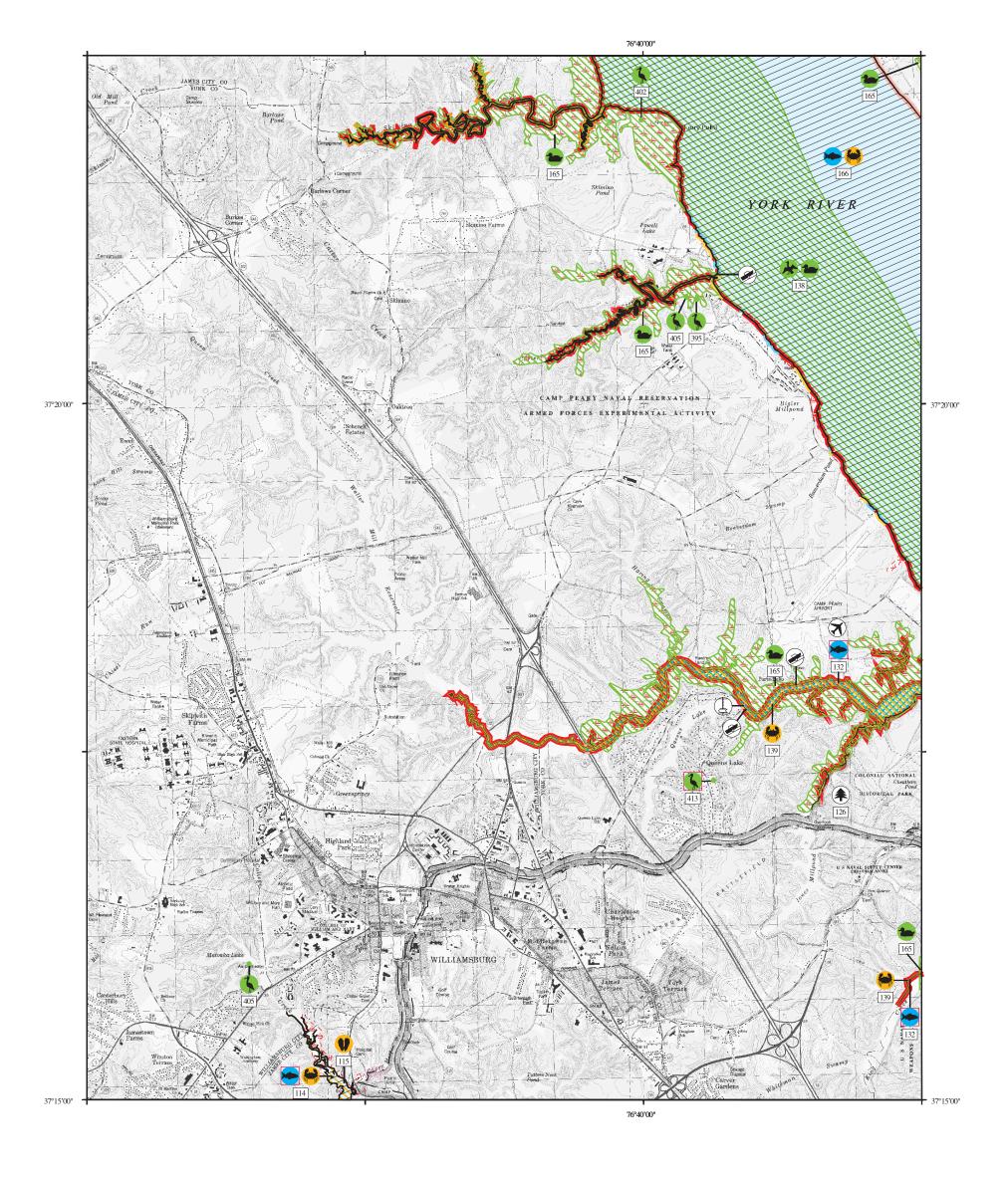
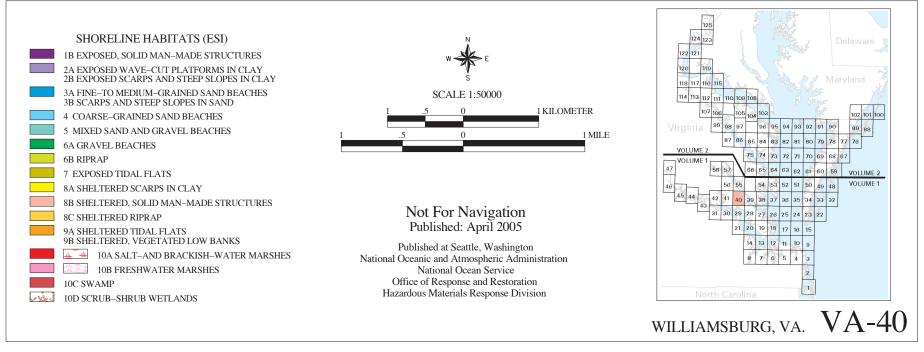
## ENVIRONMENTAL SENSITIVITY INDEX MAP





## Virginia: ESIMAP 40

## BIOLOGICAL RESOURCES:

BIRD	:
------	---

BIKD												
RAR#	Species	S F	Conc.	J F M		AS	O N D	Nesting	Migrating	Molting	_	
138	Bufflehead		MODERATE	ххх	X		ххх	_	_	_		
	Canvasback		HIGH	XXX	X		ХХХ	-	-	-		
	Eared grebe			XXX	X		X X X	-	-	-		
	Horned grebe			XXX	X		X X X	-	-	-		
	Mergansers			XXX			XXX		-	-		
	Ring-necked duck		HIGH	XXX			XXX		-	-		
	Ruddy duck		HIGH MODERATE	XXX			X X X X X X X X X X X X X X X X X X X		-	-		
	Scaup Tundra swan		MODERATE	XXX			XXX		_	_		
165	American black duck		MODERATE	XXX			XXX		_	_		
	American wigeon			XXX			XXX		-	-		
	Canada goose		MODERATE	XXX	X		X X X	-	-	-		
	Green-winged teal			XXX	X		X X X	-	-	-		
	Mallard			XXX			XXX	-	-	-		
	Great blue heron		12 NESTS		XXXX				-	-		
	Great blue heron Great blue heron		32 NESTS 4 NESTS					MAY-JUL	-	_		
	Yellow-crowned night-heron	С			XXXX			MAY-JUL MAY-JUL	_	_		
413	Terrow erowned might heron	0	3 NESTS	21		21 21	21 21	THII OOL				
FISH	:											
RAR#	Species	SF	Conc.	JFM	AMJJ	AS	OND	Spawning	Eggs	Larvae	Juveniles	Adults
114	Alewife				X X X X			-	-	-	FEB-OCT	FEB-JUN
	American eel				XXXXX				-	-	JAN-DEC	-
	American shad				XXXX			-	-	-	FEB-OCT	FEB-JUN
	Atlantic croaker Atlantic menhaden			XXX	XXXX			_	-	_	JAN-DEC	_
	Atlantic menhaden Atlantic silverside			V V V	XXX			- MAR-JUL	_	_	MAY-NOV JAN-DEC	JAN-DEC
	Atlantic sturgeon	С			XXXX			-	_	_	JAN-DEC	APR-NOV
	Bay anchovy							APR-SEP	_	-	JAN-DEC	JAN-DEC
	Blueback herring			ΧX	X X X X X	ХХ	X	-	-	-	FEB-OCT	FEB-JUN
	Channel catfish							MAR-MAY	-	-	JAN-DEC	JAN-DEC
	Gizzard shad				XXXXX		XXX	-	-	-	JAN-DEC	-
	Hickory shad				XXXX			-	-	-	MAR-SEP	FEB-JUN
	Hogchoker							MAY-SEP	MAY-SEP -	MAY-SEP -	JAN-DEC	JAN-DEC
	Minnows Mummichog				$\begin{array}{cccccccccccccccccccccccccccccccccccc$				_	_	JAN-DEC JAN-DEC	JAN-DEC JAN-DEC
	Silver perch				XXXX			AFN-AUG	_	_	JAN-DEC	JAN-DEC
	Spot				XXXX			_	_	DEC-APR	APR-NOV	-
	Striped bass				XXXX			_	_	_	MAY-OCT	FEB-JUN
	Weakfish				X X X X X			-	-	-	JAN-DEC	-
	White catfish			XXX	X X X X X	ХХ	X X X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	White perch			XXX	X X X X	ХХ	X X X	-	-	-	JAN-DEC	JAN-DEC
132	Alewife				X X X X			-	-	-	-	FEB-JUN
	American eel				XXXXX	ХХ	XXX		-	-	JAN-DEC	
	American shad				XXX	37 37	37 37 37	-	-	-	- TAN DEG	FEB-JUN
	Atlantic croaker Atlantic mackerel				XXXXX	X X	XXX	_	_	_	JAN-DEC -	- MAR-APR
	Atlantic menhaden				XXXXX	хх	x x x	_	_		JAN-DEC	MAY-OCT
	Atlantic silverside				XXXX			MAR-JUL	_	-	JAN-DEC	JAN-DEC
	Atlantic spadefish					ХХ		_	_	_	AUG-OCT	AUG-NOV
	Atlantic sturgeon	С		XXX	X X X X	ХХ	X	-	-	-	_	JAN-OCT
	Bay anchovy			XXX	X X X X				-	-	JAN-DEC	JAN-DEC
	Black drum							APR-JUN		APR-JUN	APR-NOV	APR-NOV
	Black sea bass			17 17	XXXX	ХХ	Х	JUN-OCT	-	_	APR-OCT	APR-OCT
	Blueback herring Bluefish			X X	XXX	37 37	37 37	-	-	-	- MAY-NOV	FEB-JUN
	Butterfish			X	X X X X X X X X X X X X X X X X X X X			_	_	_	JUL-NOV	APR-NOV MAR-NOV
	Clearnose skate			21	XXX			_	_	_	-	MAY-NOV
	Gobies			ххх	XXXXX					APR-OCT	JAN-DEC	JAN-DEC
	Harvestfish				X X X X			_	_	_	JUL-OCT	APR-OCT
	Hickory shad			XX	XXX			-	-	-	-	FEB-JUN
	Hogchoker			XXX	X X X X X	ХХ	XXX	MAY-SEP		MAY-SEP	JAN-DEC	JAN-DEC
	Inland silverside							APR-MAY	-	-	JAN-DEC	JAN-DEC
	Minnows							APR-AUG	_	-	JAN-DEC	JAN-DEC
	Mummichog Northern kingfish			XXX	XXXX			APR-AUG -	_	_	JAN-DEC -	JAN-DEC APR-OCT
	Northern pipefish			x x x				MAY-JUN	_	_	JAN-DEC	JAN-DEC
	Northern puffer				XXXX			MAY-AUG	_	-	MAR-OCT	MAR-OCT
	Northern searobin			Х	X X X X X	ХХ	X	MAY-JUL	-	-	-	MAR-OCT
	Red drum				X X X				-	-	AUG-SEP	MAY-NOV
	Red hake			XX	XX	X	ХХ	-	-	-	FEB-MAY	FEB-MAY
	Canalla an allo di				** **	37	37				MAN 000	SEP-NOV
	Sandbar shark Scup (porgy)			17	XXX			_	-	_	MAY-OCT JUN-OCT	MAY-OCT MAR-OCT
	Silver hake			XXX			X X X X		_	_	- OCT	OCT-MAY
	Silver perch				XXXX				_	_	JAN-DEC	JAN-DEC
	Spot				X X X X X				-		MAR-NOV	JAN-DEC
	Spotted hake			X	XXX	Х	ХХ	-	-	-	MAR-JUN	MAR-JUN
												SEP-NOV
	Spotted seatrout				XXXX			MAY-JUL	-	-	APR-NOV	APR-NOV
	Striped bass				XXX		XXX	-	_	-	- TAN DEC	OCT-JUN
	Striped killifish Summer flounder							APR-SEP -	-	_	JAN-DEC JAN-DEC	JAN-DEC -
	Tautog			XXX			XXX	_	_	_	JAN-DEC	OCT-APR
	Threadfin shad				XX		XXX	_	_	_	_	FEB-MAY
	Initiadizin bilad											SEP-NOV
	Weakfish			ххх	X X X X X	ХХ	ххх	-	-	-	AUG-NOV	JAN-DEC
166	Alewife			XX	XXX			-	-	-	-	FEB-JUN
	American eel				X X X X X	ХХ	X X X	-	-	-	JAN-DEC	-
	American shad				XXX			-	-	-	_	FEB-JUN
	Atlantic croaker			XXX	XXXX				_	-	JAN-DEC	-
	Atlantic menhaden			V V V	XXX			– млр – тііт	-	_	MAY-NOV	- TAN-DEC
	Atlantic silverside Bay anchovy							MAR-JUL APR-SEP	_	_	JAN-DEC JAN-DEC	JAN-DEC JAN-DEC
	Blueback herring				XXXX	ΛΛ	AAX	APK-SEP	_	_	JAN-DEC -	FEB-JUN
	Hickory shad				XXX			-	_	_	_	FEB-JUN FEB-JUN
	Hogchoker					ХХ	ххх	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Mummichog				X X X X X				-	-	JAN-DEC	JAN-DEC
	Silver perch				X X X X X			-	-	-	JAN-DEC	JAN-DEC
	Spot				XXXXX				-	DEC-APR	APR-NOV	-
	Striped bass				XXX		XXX	- ADD GED	-	-	- TAN DEC	OCT-JUN
	Striped killifish							APR-SEP	_	_	JAN-DEC	JAN-DEC
	Summer flounder Weakfish				$\begin{array}{cccccccccccccccccccccccccccccccccccc$				_	_	JAN-DEC JAN-DEC	_
	White perch								_	_	JAN-DEC JAN-DEC	JAN-DEC
	to poron			Δ Λ Λ		11 A	^				ATTA DEC	OTIM DEC

Virginia: ESIMAP 40 (cont.)

BIOLOGICAL RESOURCES: (cont.)

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
114	Blue crab		X X X X X X X X X X X X	-	-	MAY-NOV	JAN-DEC	JAN-DEC
115	Eastern oyster		$\mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} $	JUN-SEP	JUN-SEP	JUN-SEP	JAN-DEC	JAN-DEC
139	Blue crab		$\mathbf{X} \ \mathbf{X} \ \mathbf{X}$	-	-	MAY-NOV	JAN-DEC	JAN-DEC
166	Blue crab		$\times \times $	-	-	MAY-NOV	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

NATIONAL PARK:

HUN#	Name	Contact	Phone
126	COLONIAL NATIONAL HISTORICAL PARK	NATIONAL PARK SERVICE	757/898-3400