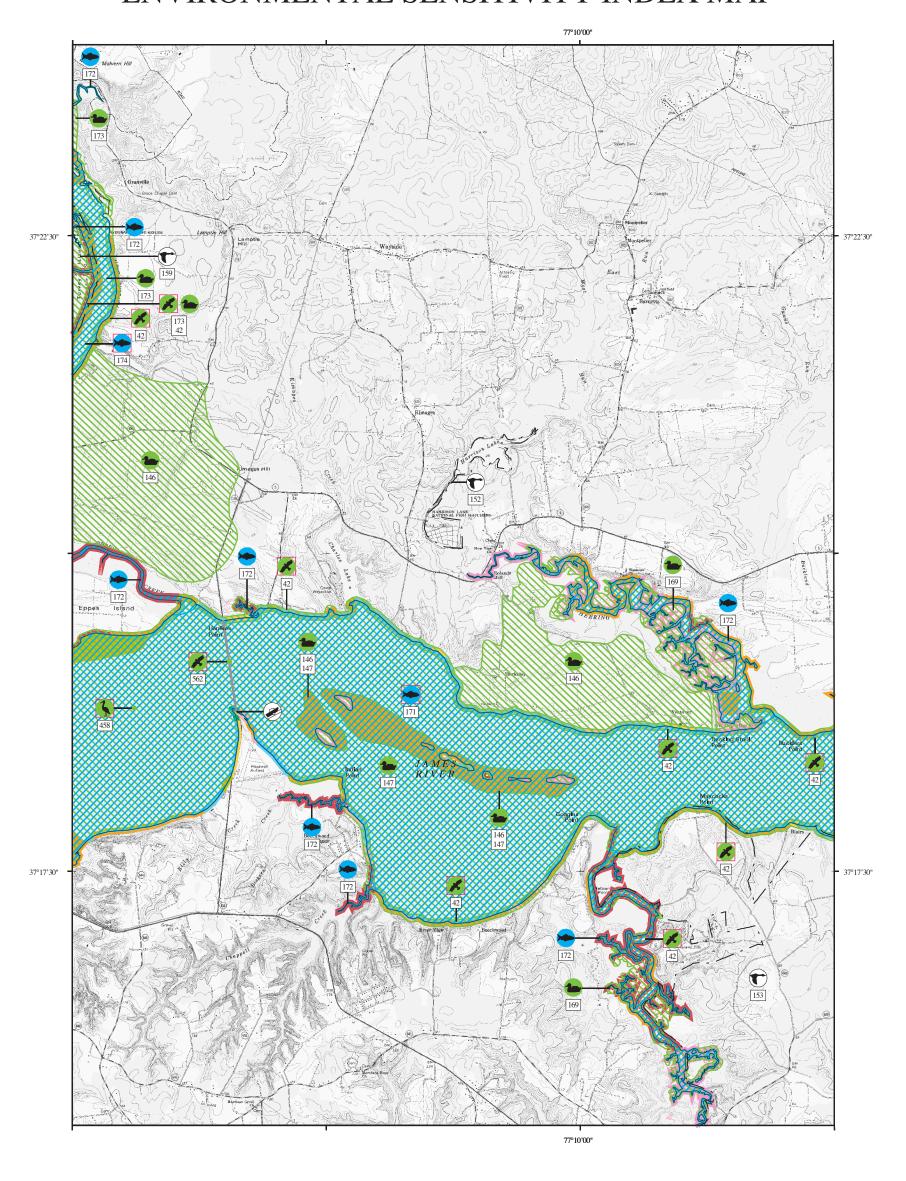
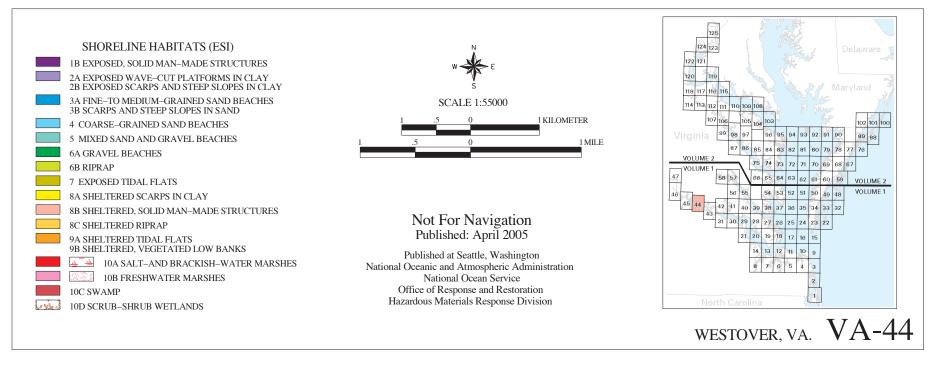
ENVIRONMENTAL SENSITIVITY INDEX MAP





Virginia: ESIMAP 44

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F	Conc.	JFMAMJJAS	OND	Nesting	Migrating	Molting	ī	
42	Bald eagle	тт	HIGH	X X X X X X X	X	-	-		-	
146	Canada goose		VERY HIGH	X X X X	X X X	-	-	_		
147	Bufflehead		MODERATE	X X X X	X X X	_	_	_		
	Canvasback		MODERATE	X X X X	X X X	_	_	_		
	Common goldeneye			X X X X	X X X	_	_	_		
	Mergansers		HIGH	X X X X	X X X	_	_	_		
	Ring-necked duck		MODERATE	X X X X	X X X	-	_	_		
	Ruddy duck		HIGH	X X X X	X X X	_	_	_		
	Scaup		HIGH	XXXX	XXX	_	_	_		
	Tundra swan		MODERATE	XXXX	XXX	_	_	_		
169	American black duck		MODERATE	XXXX	XXX	_	_	_		
	American wigeon		MODERATE	XXXX	XXX	_	_	_		
	Canada goose		VERY HIGH	XXXX	XXX	_	_	_		
	Gadwall		MODERATE	XXXX	XXX	_	_	_		
	Green-winged teal		MODERATE	XXXX	XXX	_	_	_		
	Mallard		HIGH	XXXX	XXX					
			nign	XXXX	XXX	_	_	_		
	Northern pintail					_	_	_		
	Northern shoveler			XXXX	XXX	_	_	_		
	Snow goose			XXXX	XXX	_	-	_		
4.50	Tundra swan		HIGH	XXXX	XXX	_	-	_		
173	American black duck		HIGH	XXXX	XXX	-	-	_		
	American wigeon			XXXX	XXX		-	_		
	Bufflehead			XXXX	X X X	-	-	_		
	Canada goose		HIGH	XXXX	X X X	-	-	-		
	Gadwall			XXXX	X X X	-	-	-		
	Green-winged teal			XXXX	X X X	-	-	_		
	Mallard		HIGH	X X X X	X X X	-	-	-		
	Mergansers		MODERATE	X X X X	X X X	-	-	_		
	Northern pintail			X X X X	X X X	-	-	-		
	Ring-necked duck		HIGH	X X X X	X X X	-	-	-		
	Snow goose		LOW	X X X X	X X X	-	-	-		
	Tundra swan		MODERATE	X X X X	X X X	-	-	-		
458	Great egret	C	5 NESTS	X X X X X X X	XX	MAY-JUL	-	_		
562	Peregrine falcon	T		X X X X X X		MAR-AUG	-	-		
FISH	l :									
RAR#	Species	S F	Conc.	JFMAMJJAS	OND	Spawning	Eggs	Larvae	Juveniles	Adults
171	Alewife			X X X X X X X X X	. 	-	FEB-JUN	FEB-JUN	FEB-OCT	FEB-JUN
	American eel			$\times \times $		_	_	_	JAN-DEC	_
	American shad			X X X X X X X X X		FEB-JUN	FEB-JUN	FEB-JUN	FEB-OCT	FEB-JUN
	Atlantic menhaden			X X X X X		_	_	_	MAY-NOV	_
	Atlantic sturgeon	С		X X X X X X X X X X			_	_	JAN-DEC	APR-NOV
	Banded killifish	-		X X X X X X X X X X			_	_	JAN-DEC	JAN-DEC
	Blue catfish			X X X X X X X X X X			_	_	JAN-DEC	JAN-DEC
	Blueback herring			XXXXXXXXX		-	FEB-JUN	FEB-JUN	FEB-OCT	FEB-JUN
	Bluegill			X X X X X X X X X X			FED OON	- CON	red oct	JAN-DEC
	Channel catfish			X X X X X X X X X X			_	_	TANI_DEC	JAN-DEC
	Gizzard shad						_	_	JAN-DEC	
	Hickory shad			X X X X X X X X X X		– FED – TIIN	- FEB-JUN		JAN-DEC	JAN-DEC
	-			XXXXXXXX		FEB-JUN	FEB-JUN	FEB-JUN -	FEB-OCT	FEB-JUN -
	Hogchoker			XXXXXXXXX		- MAN			JAN-DEC	
	Inland silverside			X X X X X X X X X			-	-	JAN-DEC	JAN-DEC
	Longnose gar			X X X X X X X X X			-	-	JAN-DEC	JAN-DEC
	Minnows			X X X X X X X X X			-	-	JAN-DEC	JAN-DEC
	Mummichog			X X X X X X X X X			-	-	JAN-DEC	JAN-DEC
	Pumpkinseed			X X X X X X X X X			-	-	JAN-DEC	JAN-DEC
	Redbreast sunfish			X X X X X X X X X			-	- FFB_TIIN	JAN-DEC	JAN-DEC
	STRINGH hass			V	Y	FFR-JIIN	FFR-JUN	HIRIB - TITM	H:H:H = OCT	FFR-JUN

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X X X X X X X X X X

X X X X X X X

X X X X X X X X X X X X MAR-MAY

X X X X X X X X X X X X APR-MAY

X X X X X X X X X X X X APR-AUG

X X X X X X X X X X X X APR-AUG

X X X X X X X X X X X X MAR-JUN

X X X X X X X X X X X X APR-JUL

X X X X X X X X X X X X APR-JUL

X X X X X X X X X X X X MAY-JUN

X X X X X

X X X X X

 $\hbox{X X X X X X X X X X X X X APR-JUN}$

 $\hbox{\tt X} \hbox{\tt MAY-JUN}$

X X X X X X X X X X X X APR-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

APR-SEP

APR-JUN

APR-SEP

FEB-JUN

MAY-JUN

APR-JUN

X X X X X X X X X X X APR-JUN APR-JUN APR-JUN

FEB-JUN

APR-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

APR-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

FEB-OCT

JAN-DEC

JAN-DEC

JAN-DEC

FEB-OCT

JAN-DEC

FEB-OCT

MAY-NOV

JAN-DEC

JAN-DEC

JAN-DEC

FEB-OCT

JAN-DEC

JAN-DEC

FEB-OCT

JAN-DEC

FEB-JUN

JAN-DEC

FEB-MAY SEP-NOV

JAN-DEC JAN-DEC

FEB-JUN

FEB-JUN

FEB-JUN

FEB-JUN

APR-NOV

JAN-DEC

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JAN-DEC

JAN-DEC

FEB-MAY SEP-NOV

JAN-DEC

JAN-DEC

Mummichog Pumpkinseed Quillback Shorthead redhorse

Striped bass

Threadfin shad

White catfish

Blueback herring

Atlantic menhaden

Atlantic sturgeon

Banded killifish

Blueback herring

Channel catfish

Inland silverside

С

White perch

American eel

Blue catfish

Gizzard shad

Hickory shad

Longnose gar

Hoachoker

Minnows

Bluegill

American shad

Alewife

Alewife

Tessellated darter

Threadfin shad

White catfish

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
152 153	HARRISON LAKE NATIONAL FISH HATCHERY JAMES RIVER NATIONAL WILDLIFE REFUGE	U.S. FISH AND WILDLIFE SERVICE U.S. FISH AND WILDLIFE SERVICE	804/829-2421 804/333-1470
159	PRESQUILE NATIONAL WILDLIFE REFUGE	U.S. FISH AND WILDLIFE SERVICE	804/333-1470