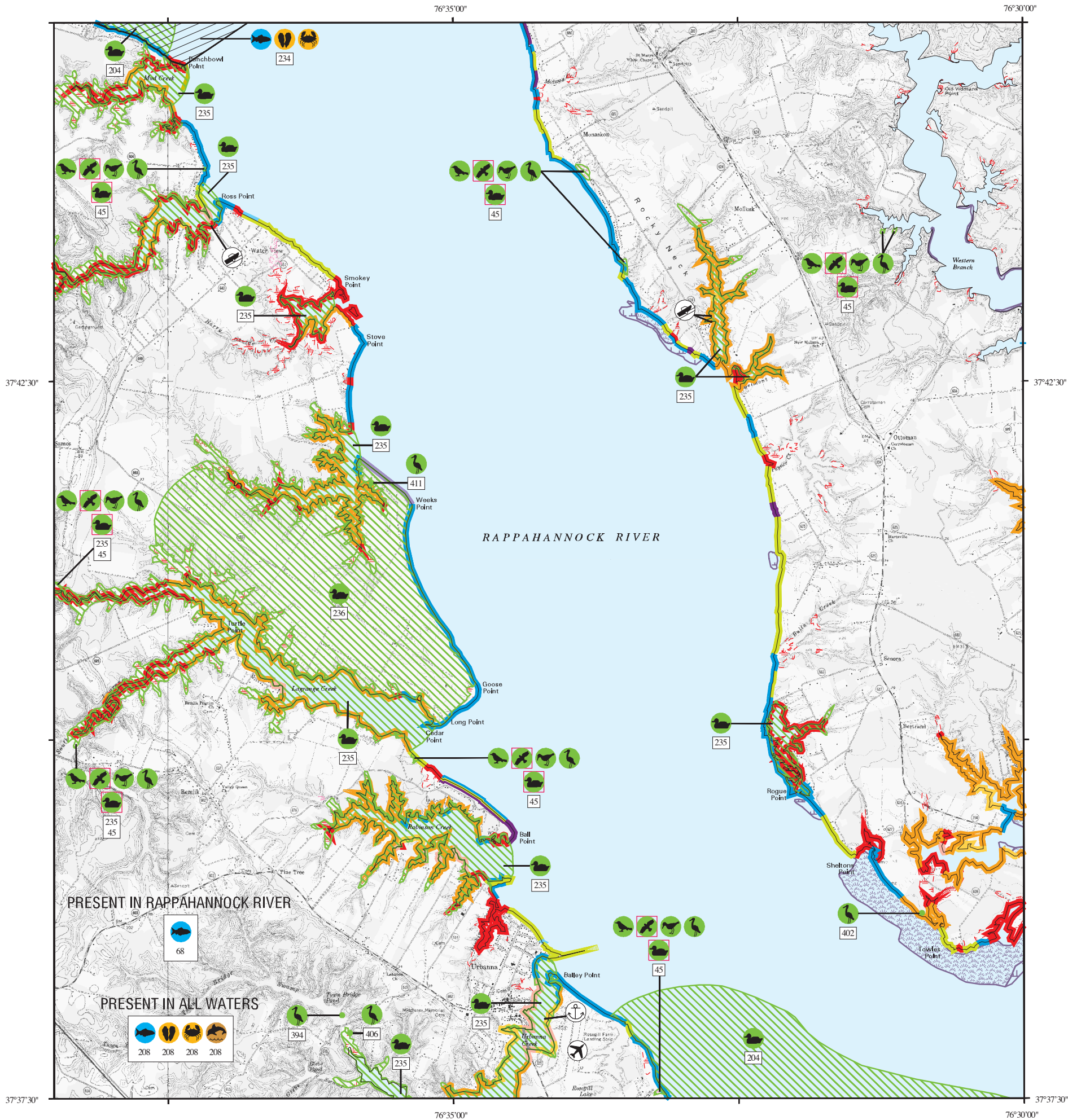


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

1B EXPOSED, SOLID MAN-MADE STRUCTURES

2A EXPOSED WAVE-CUT PLATFORMS IN CLAY

2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY

3A FINE-TO MEDIUM-GRAINED SAND BEACHES

3B SCARPS AND STEEP SLOPES IN SAND

4 COARSE-GRAINED SAND BEACHES

5 MIXED SAND AND GRAVEL BEACHES

6A GRAVEL BEACHES

6B RIPRAP

7 EXPOSED TIDAL FLATS

8A SHELTERED SCARPS IN CLAY

8B SHELTERED, SOLID MAN-MADE STRUCTURES

8C SHELTERED RIPRAP

9A SHELTERED TIDAL FLATS

9B SHELTERED, VEGETATED LOW BANKS

10A SALT-AND BRACKISH-WATER MARSHES

10B FRESHWATER MARSHES

10C SWAMP

10D SCRUB-SHRUB WETLANDS

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Not For Navigation

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National Ocean Service

Office of Response and Restoration

Hazardous Materials Response Division

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Delaware

Maryland

Virginia

North Carolina

URBANNA, VA.

VA-75

Virginia: ESIMAP 75

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
45	Bald eagle	T T			X	X	X	X							-	-	-
	Common moorhen	C			X	X	X	X							-	-	-
	Great blue heron				X	X	X	X							-	-	-
	Greater yellowlegs				X	X	X	X							-	-	-
	Green heron				X	X	X	X							-	-	-
	King rail				X	X	X	X							-	-	-
	Least bittern				X	X	X	X							-	-	-
	Marsh wren				X	X	X	X							-	-	-
	Osprey				X	X	X	X	X	X					MAR-AUG	-	-
	Sora				X	X	X	X							-	-	-
	Swamp sparrow				X	X	X	X							-	-	-
	Virginia rail				X	X	X	X							-	-	-
	Wood duck				X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
204	Bufflehead	HIGH			X	X	X	X			X	X	X		-	-	-
	Canvasback	HIGH			X	X	X	X			X	X	X		-	-	-
	Common goldeneye	MODERATE			X	X	X	X			X	X	X		-	-	-
	Long-tailed duck				X	X	X	X			X	X	X		-	-	-
	Mergansers	HIGH			X	X	X	X			X	X	X		-	-	-
	Ring-necked duck	LOW			X	X	X	X			X	X	X		-	-	-
	Ruddy duck	VERY HIGH			X	X	X	X			X	X	X		-	-	-
	Scaup	HIGH			X	X	X	X			X	X	X		-	-	-
235	American black duck	MODERATE			X	X	X	X			X	X	X		-	-	-
	Bufflehead	MODERATE			X	X	X	X			X	X	X		-	-	-
	Canada goose	HIGH			X	X	X	X			X	X	X		-	-	-
	Green-winged teal				X	X	X	X			X	X	X		-	-	-
	Mallard	MODERATE			X	X	X	X			X	X	X		-	-	-
	Mute swan				X	X	X	X			X	X	X		-	-	-
	Ring-necked duck	MODERATE			X	X	X	X			X	X	X		-	-	-
	Tundra swan	HIGH			X	X	X	X			X	X	X		-	-	-
	Wood duck				X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
236	Tundra swan	HIGH			X	X	X	X	X		X	X	X	X	-	-	-
394	Great blue heron	9 NESTS			X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
402	Great blue heron	32 NESTS			X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
406	Great blue heron	5 NESTS			X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
411	Great blue heron	3 NESTS			X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
68	Alewife			X	X	X	X	X							-	-	-	-	FEB-JUN
	American shad			X	X	X	X								-	-	-	-	FEB-JUN
	Blueback herring			X	X	X	X	X							-	-	-	-	FEB-JUN
	Hickory shad			X	X	X	X	X							-	-	-	-	FEB-JUN
	Striped bass		X	X	X	X	X	X				X	X	X	-	-	-	-	OCT-JUN
208	American eel		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Atlantic croaker		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Atlantic menhaden						X	X	X	X	X	X	X		-	-	-	MAY-NOV	-
	Atlantic silverside		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Bay anchovy		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Hogchoker		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Mummichog		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	JAN-DEC
	Silver perch		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spot		X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-APR	APR-NOV	-
	Striped bass					X	X	X	X	X	X				-	-	-	MAY-OCT	-
	Summer flounder		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Weakfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	White perch		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
234	Atlantic menhaden					X	X	X	X	X	X	X	X		-	-	-	MAY-NOV	-
	Atlantic silverside		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Bay anchovy		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Blue catfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Channel catfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Hogchoker		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Mummichog		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	JAN-DEC
	Silver perch		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spot		X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-APR	APR-NOV	-
	Striped bass					X	X	X	X	X	X				-	-	-	MAY-OCT	-
	Weakfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	White catfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	White perch		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Atlantic croaker		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	MAY-NOV

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
208	Blue crab		X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	JAN-DEC
	Eastern oyster		X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-SEP	JUN-SEP	JAN-DEC	JAN-DEC
234	Blue crab		X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	JAN-DEC
	Eastern oyster		X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-SEP	JUN-SEP	JAN-DEC	JAN-DEC

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
208	Bottlenose dolphin					X	X	X	X	X	X				-	-	-	-
	Harbor porpoise		X	X	X	X	X						X		-	-	-	-