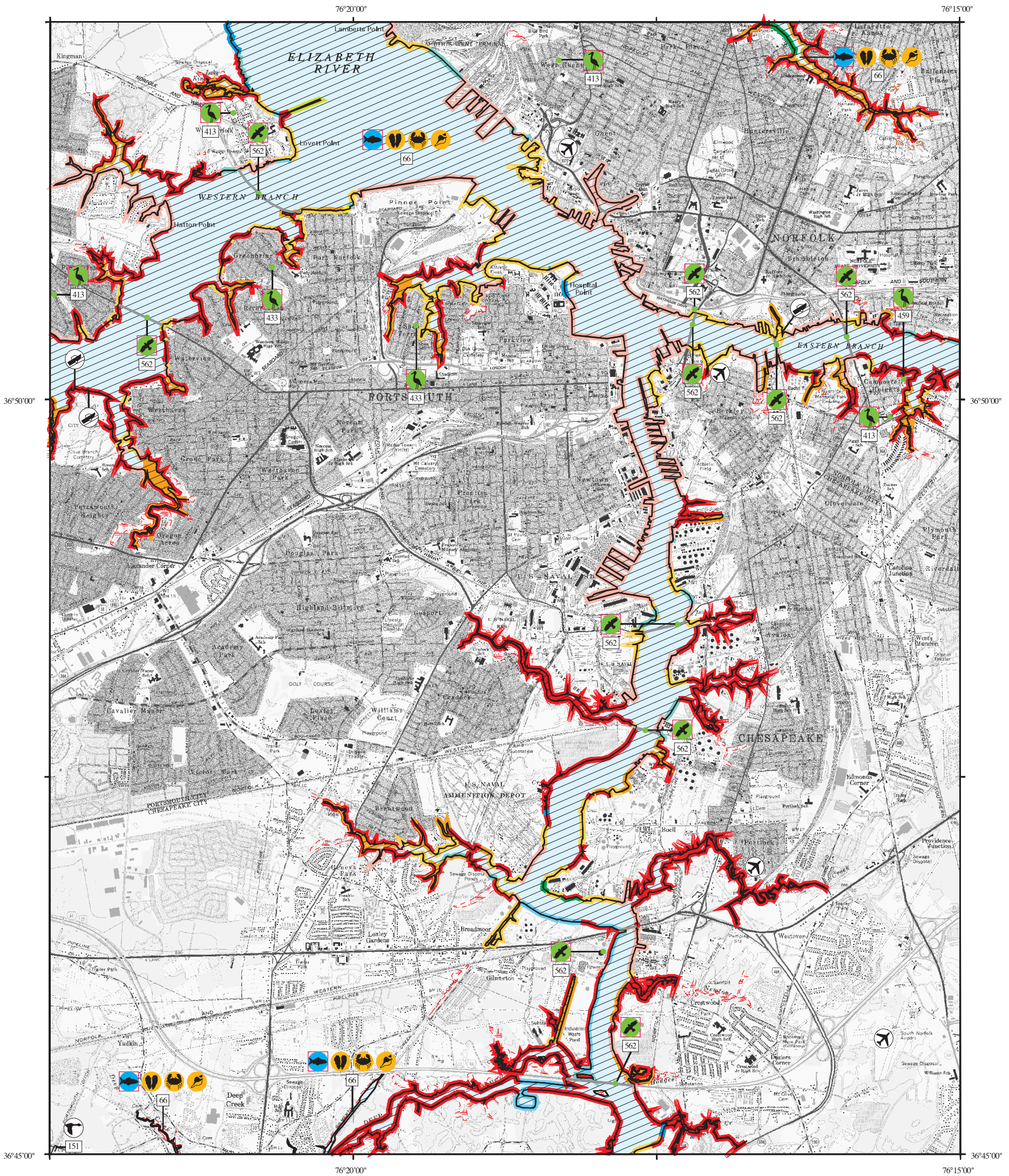
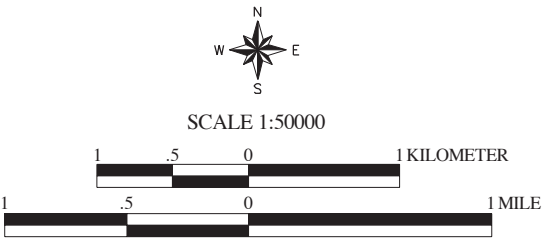


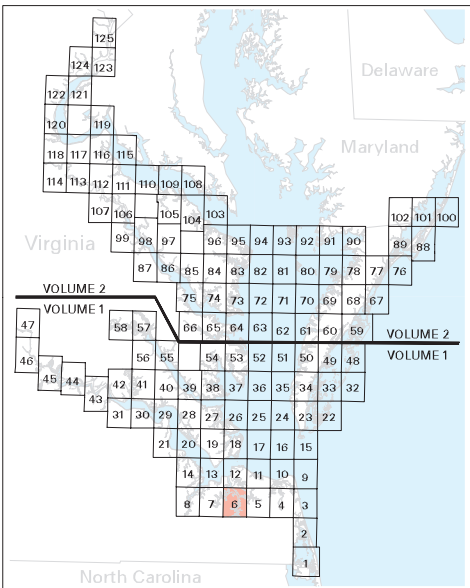
ENVIRONMENTAL SENSITIVITY INDEX MAP



- 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



Not For Navigation
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Hazardous Materials Response Division



Virginia: ESIMAP 6

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
413	Yellow-crowned night-heron	C 3 NESTS	X X X X X X X X X	MAY-JUL	-	-
433	Yellow-crowned night-heron	C 4 NESTS	X X X X X X X X X	MAY-JUL	-	-
459	Great egret	C 309 NESTS	X X X X X X X X X	MAY-JUL	-	-
562	Peregrine falcon	T	X X X X X X	MAR-AUG	-	-

FISH:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
66	Alewife		X X X X X	-	-	-	-	FEB-JUN
	American eel		X X X X	-	-	-	FEB-MAY	-
	American shad		X X X X X X X X X	-	-	-	NOV-MAR	JAN-JUN
	Atlantic croaker		X X X X X X X X X X	-	-	-	JAN-DEC	-
	Atlantic mackerel		X X	-	-	-	-	MAR-APR
	Atlantic menhaden		X X X X X X X X X X X	-	-	MAY-NOV	JAN-DEC	MAY-OCT
	Atlantic silverside		X X X X X X X X X X X	MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Atlantic spadefish		X X X X X X X X	-	-	-	AUG-OCT	AUG-NOV
	Atlantic sturgeon	C	X X X X X X X X X X X	-	-	-	JAN-DEC	APR-NOV
	Bay anchovy		X 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 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 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	-	-	-	-	MAY-NOV
	Gobies		X X X X X X X X X X X	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 X X	-	-	-	NOV-MAR	JAN-JUN
	Hogchoker		X X X X X X X X X X X	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Inland silverside		X X X X X X X X X X X	APR-MAY	-	-	JAN-DEC	JAN-DEC
	Minnows		X X X X X X X X X X X	APR-AUG	-	-	JAN-DEC	JAN-DEC
	Mummichog		X X X X X X X X X X X	APR-AUG	-	-	JAN-DEC	JAN-DEC
	Northern kingfish		X X X X X X X X	-	-	-	-	APR-OCT
	Northern pipefish		X X X X X X X X X X X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Northern puffer		X X X X X X X X	MAY-AUG	-	-	MAR-OCT	MAR-OCT
	Northern searobin		X X X X X X X X	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 X X X	-	-	-	FEB-MAY	FEB-MAY
							SEP-NOV	SEP-NOV
	Sandbar shark		X 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 X	-	-	-	-	OCT-MAY
	Silver perch		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	-	-	DEC-APR	MAR-NOV	JAN-DEC
	Spotted hake		X X X X X X X	-	-	-	MAR-JUN	MAR-JUN
							SEP-NOV	SEP-NOV
	Spotted seatrout		X X X X X X X X X	MAY-JUL	-	-	APR-NOV	APR-NOV
	Striped bass		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Striped killifish		X X X X X X X X X X X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Summer flounder		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Tautog		X X X X X X X X	-	-	-	-	OCT-APR
	Threadfin shad		X X X X X X X	-	-	-	-	FEB-MAY
							SEP-NOV	SEP-NOV
	Weakfish		X X X X X X X X X X X	-	-	-	JAN-DEC	-

INVERTEBRATE:

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

HUMAN USE RESOURCES:

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
151	GREAT DISMAL SWAMP NWR	U.S. FISH AND WILDLIFE SERVICE	757/986-3705