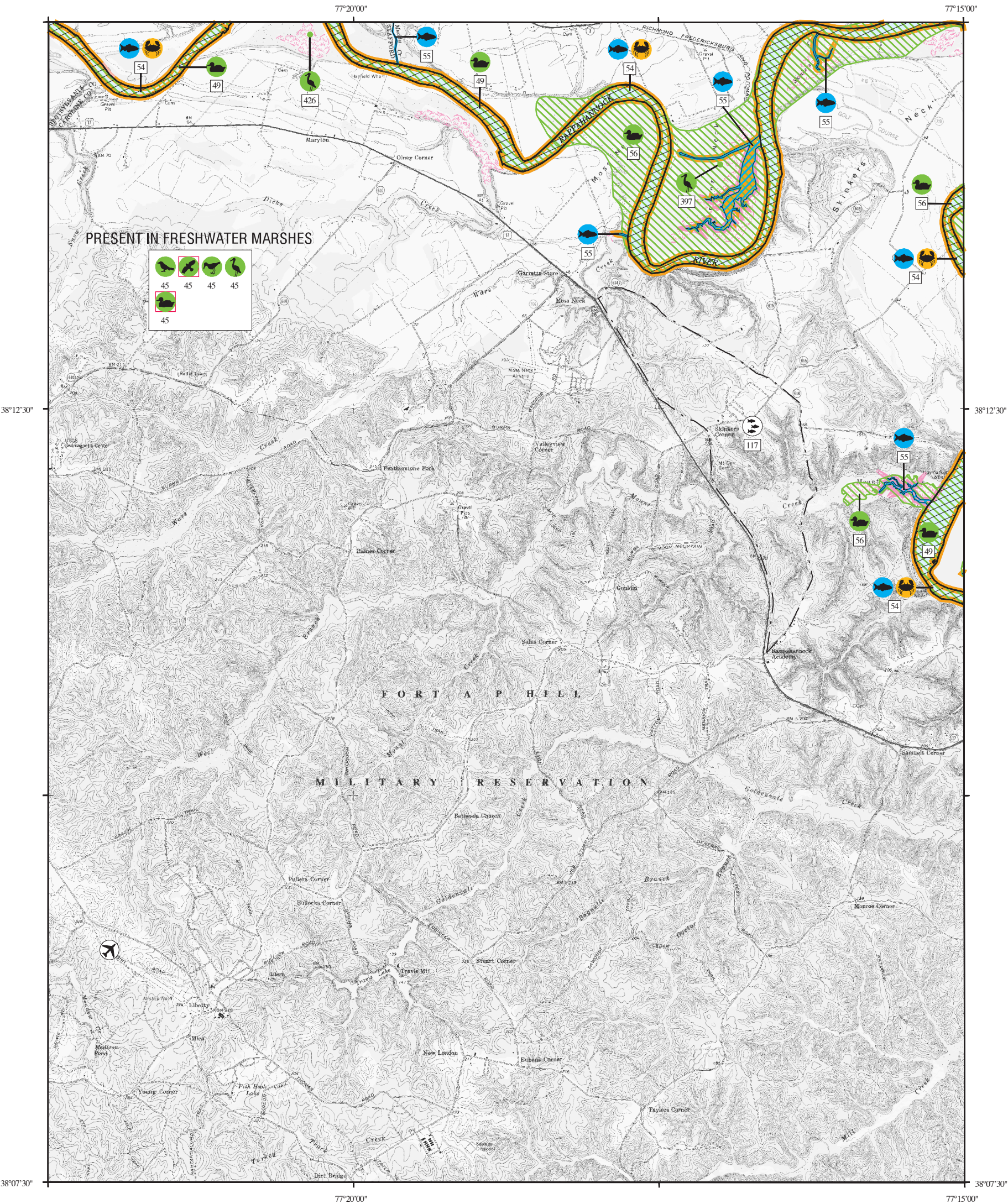


ENVIRONMENTAL SENSITIVITY INDEX MAP



**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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Hazardous Materials Response Division

VOLUME 1

VOLUME 2



Virginia: ESIMAP 114

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 X X	APR-JUN	-	-
49	Canada goose	VERY HIGH	X X X X	X X X	-	-
	Tundra swan	HIGH	X X X X	X X X	-	-
56	American black duck	HIGH	X X X X	X X X	-	-
	American wigeon		X X X X	X X X	-	-
	Canada goose	VERY HIGH	X X X X	X X X	-	-
	Gadwall		X X X X	X X X	-	-
	Green-winged teal	HIGH	X X X X	X X X	-	-
	Mallard	HIGH	X X X X	X X X	-	-
	Northern pintail		X X X X	X X X	-	-
	Tundra swan	HIGH	X X X X	X X X	-	-
397	Great blue heron	14 NESTS	X X X X X X X X X X X X	MAY-JUL	-	-
426	Great blue heron	15 NESTS	X X 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
54	Alewife		X X X X X X X X X	-	FEB-JUN	FEB-JUN	FEB-OCT	FEB-JUN
	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 X X X X	-	-	-	MAY-NOV	-
	Banded killifish		X X X X X X X X X X X X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Black crappie		X X X X X X X X X X X X	MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Blueback herring		X X X X X X X X X	-	FEB-JUN	FEB-JUN	FEB-OCT	FEB-JUN
	Bluegill		X X X X X X X X X X X X	APR-SEP	-	-	-	JAN-DEC
	Channel catfish		X X X X X X X X X X X X	MAR-MAY	-	-	JAN-DEC	JAN-DEC
	Hickory shad		X X X X X X X X X	FEB-JUN	FEB-JUN	FEB-JUN	FEB-OCT	FEB-JUN
	Hogchoker		X 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 X	APR-MAY	-	-	JAN-DEC	JAN-DEC
	Largemouth bass		X X X X X X X X X X X X	MAR-MAY	-	-	-	JAN-DEC
	Longnose gar		X X X X X X X X X X X X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Minnows		X X X X X X X X X X X X	APR-AUG	-	-	JAN-DEC	JAN-DEC
	Pumpkinseed		X X X X X X X X X X X X	MAR-JUN	-	-	JAN-DEC	JAN-DEC
	Redbreast sunfish		X X X X X X X X X X X X	JUN-JUL	-	-	JAN-DEC	JAN-DEC
	Striped bass		X X X X X X X X X	-	-	-	MAY-OCT	-
	Tessellated darter		X X X X X X X X X X X X	APR-JUN	-	-	-	JAN-DEC
	White catfish		X X X X X X X X X X X X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	White perch		X X X X X X X X X X X X	APR-JUN	APR-JUN	APR-JUN	JAN-DEC	JAN-DEC
	Yellow perch		X X X X X X X X X X X X	APR-JUN	-	-	JAN-DEC	JAN-DEC
55	Alewife		X X X X X	FEB-JUN	FEB-JUN	-	-	FEB-JUN
	Blueback herring		X X X X X	FEB-JUN	FEB-JUN	-	-	FEB-JUN

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
54	Blue crab		X X X X X X X X X X X X	-	-	MAY-NOV	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
117	PETTIGREW WILDLIFE MANAGEMENT AREA	VDGIF	804/367-1000