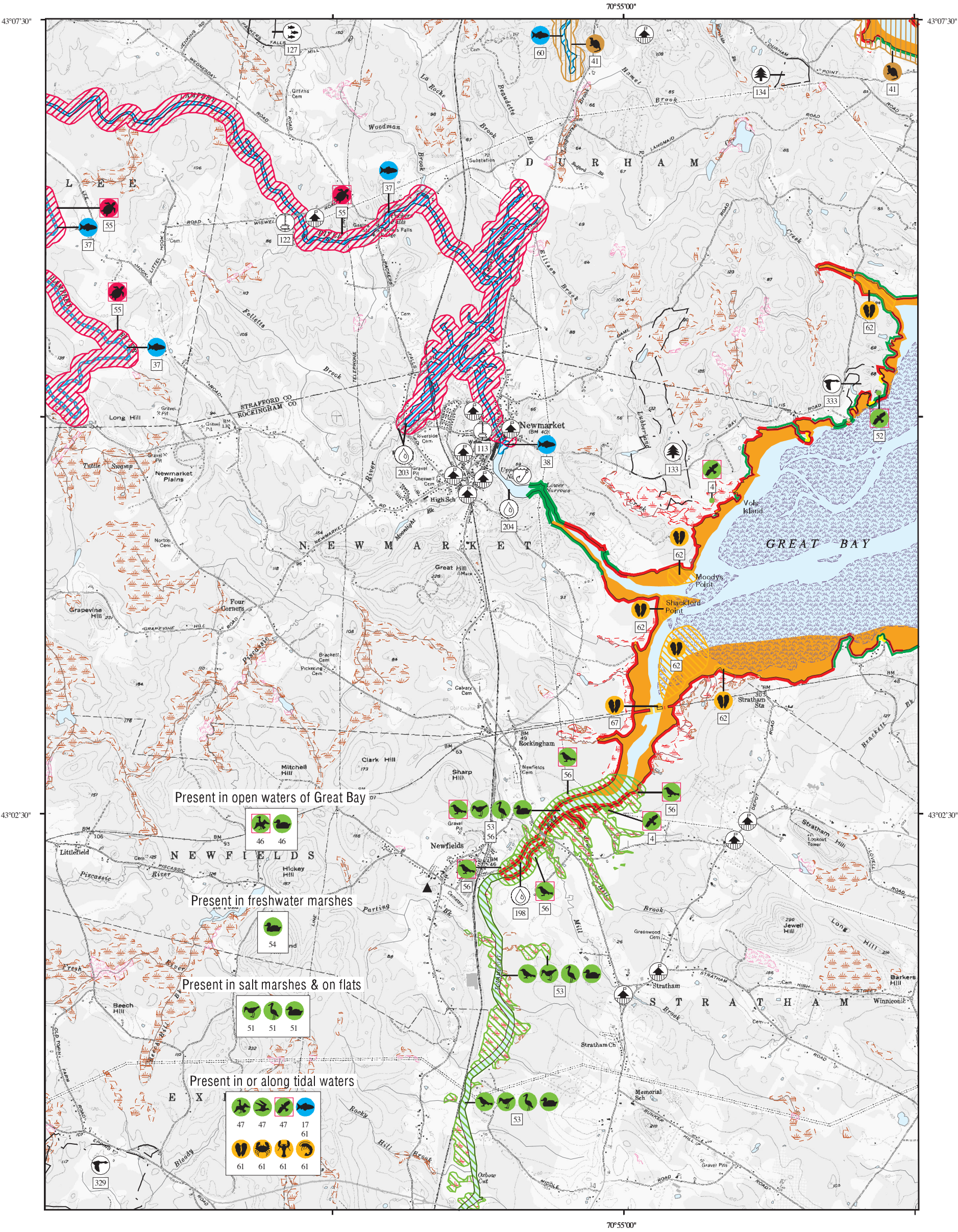


# ENVIRONMENTAL SENSITIVITY INDEX MAP





New Hampshire: ESIMAP 5

BIOLOGICAL RESOURCES:

BIRD:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating		Molting	
4	Osprey	T		1 PAIR				X	X	X	X	X	X	X			APR-OCT	-		-	
46	Bufflehead			<100	X	X	X	X						X	X		-	-		-	
	Canvasback			LOW	X	X	X	X						X	X		-	-		-	
	Common goldeneye			200-400	X	X	X	X						X	X		-	-		-	
	Common loon	T		LOW	X	X	X	X	X					X	X	X	-	-		-	
	Common merganser			200	X	X	X	X						X	X		-	-		-	
	Greater scaup			400-800	X	X	X	X						X	X	X	-	-		-	
	Hooded merganser			200			X	X	X								-	-		-	
	Red-breasted merganser			200	X	X	X	X						X	X		-	-		-	
	Scoters			MED	X	X	X	X						X	X		-	-		-	
47	Bald eagle	E	T	15-25	X	X	X	X							X		-	-		-	
	Double-crested cormorant			LOW				X	X	X	X	X	X	X			-	-		-	
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-		-	
	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-		-	
51	American bittern			LOW				X	X	X	X	X	X	X			-	-		-	
	American black duck			1000-2000	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-		-	
	American wigeon			50	X	X	X	X						X	X	X	-	-		-	
	Black-bellied plover			LOW				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Black-crowned night-heron			LOW				X	X	X	X	X	X	X			-	-		-	
	Blue-winged teal			<50	X	X	X	X						X	X		-	-		-	
	Canada goose			3000-6000	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-		-	
	Gadwall			LOW	X	X	X	X						X	X		-	-		-	
	Glossy ibis			LOW				X	X	X	X	X	X	X			-	-		-	
	Great blue heron			LOW				X	X	X	X	X	X	X			-	-		-	
	Great egret			LOW				X	X	X	X	X	X	X			-	-		-	
	Greater yellowlegs			MED				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Green heron			LOW				X	X	X	X	X	X	X			-	-		-	
	Least sandpiper			MED				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Lesser yellowlegs			MED				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Northern pintail			<50	X	X	X	X						X	X		-	-		-	
	Semipalmated plover			LOW				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Semipalmated sandpiper			LOW				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Short-billed dowitcher			LOW				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Snowy egret			LOW				X	X	X	X	X	X	X			-	-		-	
	Solitary sandpiper			LOW				X			X	X	X	X			-	-		-	
	Spotted sandpiper			LOW				X			X	X	X	X			-	-		-	
52	Bald eagle	E	T	5-20	X	X	X	X							X		-	-		-	
53	American black duck			MED	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-		-	
	Blue-winged teal			LOW	X	X	X	X						X	X		-	-		-	
	Canada goose			MED	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-		-	
	Great blue heron			MED				X	X	X	X	X	X	X			-	-		-	
	Greater yellowlegs			10-50				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Lesser yellowlegs			10-50				X			X	X	X	X			-	MAY-MAY	JUL-OCT	-	
	Mallard			MED	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-		-	
	Marsh wren			LOW				X	X	X	X	X	X	X			-	-		-	
	Virginia rail			LOW				X	X	X	X	X	X	X			-	-		-	
54	American black duck			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-		-	
	Wood duck			MED	X	X	X	X						X	X		-	-		-	
56	Nelson's sharp-tailed sparrow	C		LOW				X	X	X	X	X	X	X			MAY-AUG	-		-	
	Saltmarsh sharp-tailed sparrow	C		LOW				X	X	X	X	X	X	X			MAY-AUG	SEP-OCT		-	
FISH:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
17	Alewife							X	X	X	X	X	X	X	X	X	-	-	-	APR-DEC	APR-JUL
	American eel						X	X	X	X	X	X	X	X			-	-	-	-	MAR-OCT
	American shad				X	X		X	X	X	X	X	X	X	X	X	-	-	-	JUL-FEB	MAY-JUL
	Atlantic salmon				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	MAY-MAR
	Blueback herring				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Rainbow smelt				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-SEP	OCT-APR
	Sea lamprey						X	X	X	X	X	X	X	X	X	X	-	-	-	APR-DEC	APR-JUL
	Striped bass				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
37	Alewife						X	X	X	X							APR-JUN	-	-	-	APR-JUL
	American eel						X	X									APR-MAY	-	-	-	APR-MAY
	American shad						X	X									MAY-JUN	-	-	-	MAY-JUN
	Atlantic salmon				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Atlantic salmon				X	X	X	X	X	X	X	X	X	X	X	X	SEP-NOV	-	-	JAN-DEC	SEP-MAR
	Blueback herring						X	X	X								APR-JUN	-	-	-	APR-JUN
	Sea lamprey						X	X									APR-MAY	-	-	-	APR-MAY
	Striped bass						X	X									APR-MAY	-	-	-	APR-MAY
38	Rainbow smelt			HIGH		X											MAR-APR	-	-	-	MAR-APR
60	Alewife						X	X	X	X							APR-JUN	-	-	-	APR-JUL
	American eel						X	X									APR-MAY	-	-	-	APR-MAY
	Blueback herring						X	X	X								APR-JUN	-	-	-	APR-JUN
	Sea lamprey						X	X									APR-MAY	-	-	-	APR-MAY
61	American sand lance				X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-JUN	MAR-NOV	MAR-NOV
	Atlantic mackerel						X	X	X	X	X	X	X	X			-	-	-	MAY-OCT	MAY-OCT
	Atlantic menhaden				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Atlantic silverside				X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	APR-JUN	APR-JUL	APR-DEC	JAN-DEC
	Atlantic tomcod				X	X	X	X	X	X	X	X	X	X	X	X	DEC-FEB	-	-	JAN-DEC	JAN-DEC
	Bluefish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Common killifish				X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	JUN-AUG	JUN-SEP	JAN-DEC	JAN-DEC
	Cunner				X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-SEP	JAN-DEC	JAN-DEC
	Fourspine stickleback				X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	APR-JUN	APR-JUN	JAN-DEC	JAN-DEC
	Grubby				X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-APR	JAN-JUN	JAN-DEC	JAN-DEC
	Longhorn sculpin				X	X	X	X	X	X	X	X	X	X	X	X	DEC-APR	DEC-APR	JAN-JUN	JAN-DEC	JAN-DEC
	Ninespine stickleback				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	MAY-JUL	JAN-DEC	JAN

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

New Hampshire: ESIMAP 5 (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
61	American lobster	-	-	-	X	X	X	X	X	X	X	X	X	X X X JUN-OCT JUN-OCT JUN-OCT JAN-DEC MAY-NOV
	Daggerblade grass shrimp	-	-	-	X	X	X	X	X	X	X	X	X	- - - JAN-DEC JAN-DEC
	Eastern oyster	-	-	-	X	X	X	X	X	X	X	X	X	JUN-AUG JUN-AUG JUN-AUG JAN-DEC JAN-DEC
	Horseshoe crab	-	-	-	X	X	X	X	X	X	X	X	X	MAY-JUL MAY-JUL - JAN-DEC JAN-DEC
	Sevenspine bay shrimp	-	-	-	X	X	X	X	X	X	X	X	X	- - - JAN-DEC JAN-DEC
62	Softshell clam	-	-	-	X	X	X	X	X	X	X	X	X	MAY-OCT MAY-OCT MAY-OCT JAN-DEC JAN-DEC
67	Eastern oyster	-	-	-	X	X	X	X	X	X	X	X	X	JUN-AUG JUN-AUG JUN-AUG JAN-DEC JAN-DEC
REPTILE:														
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O N D Nesting Hatching Internesting Juveniles Adults
55	Blanding's turtle	C	-	LOW	X	X	X	X	X	X	X	X	X	- - - - -
	Spotted turtle	C	-	LOW	X	X	X	X	X	X	X	X	X	- - - - -
	Wood turtle	C	-	LOW	X	X	X	X	X	X	X	X	X	- - - - -
TERRESTRIAL MAMMAL:														
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O N D
41	Beaver	-	-	MED	X	X	X	X	X	X	X	X	X	X X X
	Muskrat	-	-	MED	X	X	X	X	X	X	X	X	X	X X X
	Northern river otter	-	-	MED	X	X	X	X	X	X	X	X	X	X X X

HUMAN USE RESOURCES:

LOCK AND DAM:

HUN#	Name - Code	Owner	Contact	Phone
113	MACALLEN DAM - 177.01	TOWN OF NEWMARKET	AL DIXON	
122	WISWALL DAM - 071.04	TOWN OF DURHAM		

MANAGEMENT AREA:

HUN#	Name	Owner	Contact	Phone
127	SPRUCE HOLE CONSERVATION AREA			

NATURE CONSERVANCY:

HUN#	Name	Owner	Contact	Phone
133	CROMMET AND LUBBERLAND CREEKS PRESERVE			
134	DURHAM POINT SEDGE MEADOW PRESERVE			

WATER INTAKE:

HUN#	Name	Owner	Contact	Phone
198	NEWFIELDS VIL SEWER DIST			
203	NEWMARKET WATER WORKS			
204	NEWMARKET WWTF			

WILDLIFE REFUGE:

HUN#	Name	Owner	Contact	Phone
329	CONNER FARM WILDLIFE MANAGEMENT AREA			
333	WILCOX POINT WILDLIFE MANAGEMENT AREA			

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