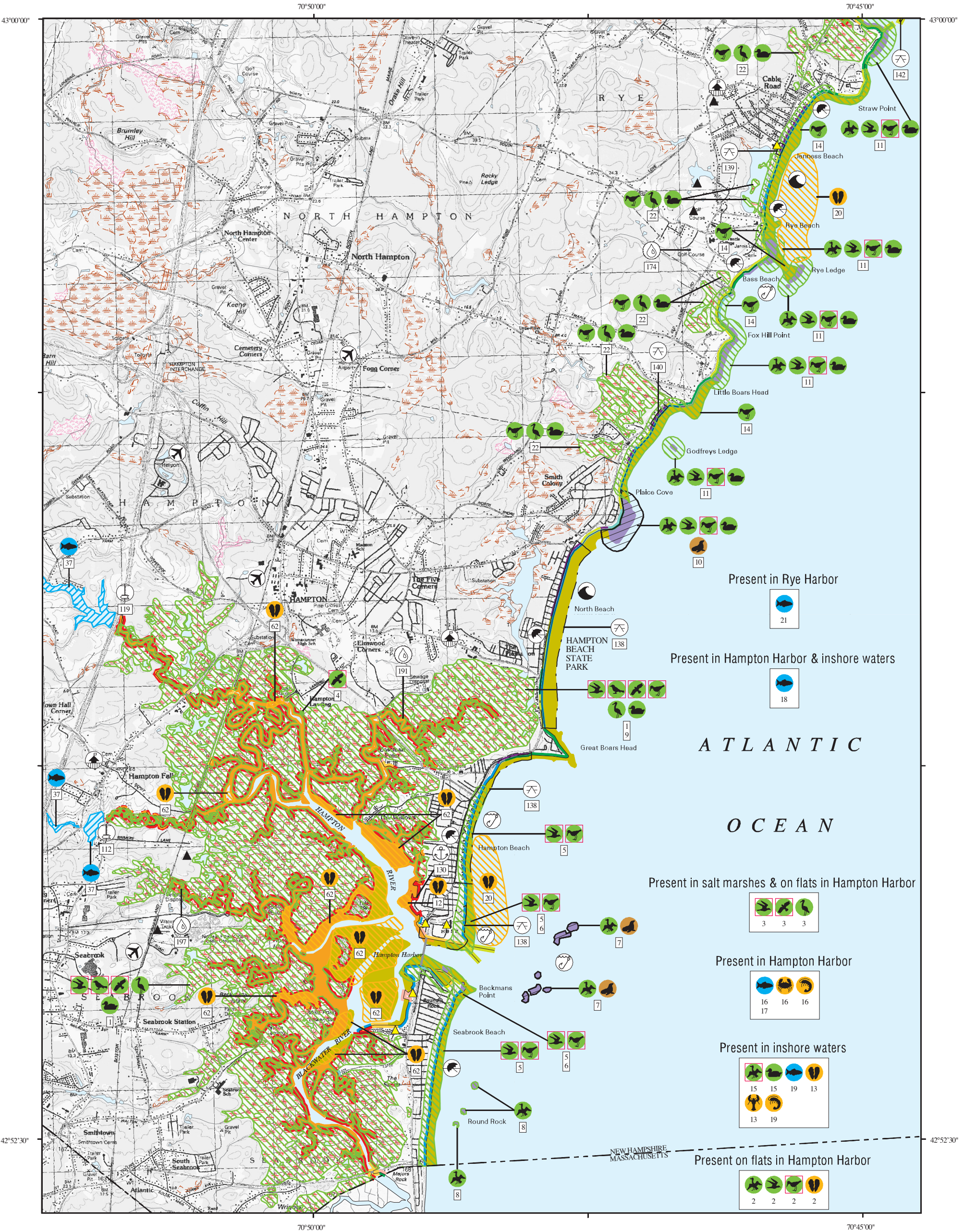


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

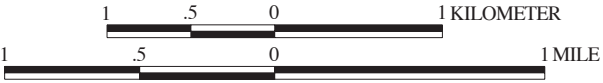
- 1A EXPOSED ROCKY SHORES
- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES
- 8B SHELTERED, SOLID MAN-MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
- 10A SALT- AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSH
- 10C SWAMPS
- 10D SCRUB-SHRUB WETLANDS

Prepared for:
New Hampshire Department of Environmental Services

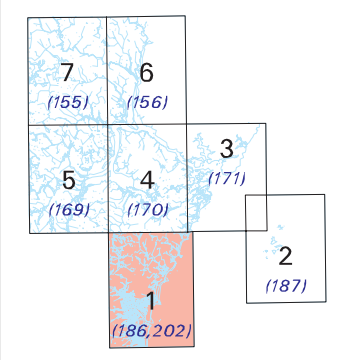
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Not For Navigation



HAMPTON, N.H.(1985) NH-1

New Hampshire: ESIMAP 1

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
					-	-	-	-	-	-	-	-	-	-	-	-			
1	American black duck			MED	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Arctic tern	T		1 PAIR				X	X	X	X	X	X	X			APR-OCT	-	-
	Mallard			LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Nelson's sharp-tailed sparrow	C		LOW									X	X			-	SEP-OCT	-
	Northern harrier	E		LOW	X	X	X						X	X	X		-	-	-
	Red-tailed hawk			LOW	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Saltmarsh sharp-tailed sparrow	C		30+ PAIRS				X	X	X	X	X	X	X			MAY-AUG	SEP-OCT	-
	Seaside sparrow	C		1-2 PAIRS				X	X	X	X						MAY-AUG	-	-
	Virginia rail			LOW				X	X	X	X						MAY-AUG	-	-
2	Black-bellied plover			50-300				X	X	X	X	X	X				-	MAY-MAY JUL-OCT	-
	Double-crested cormorant			50-400				X	X	X	X	X					-	-	-
	Dunlin			50-100				X			X	X	X				-	MAY-MAY AUG-OCT	-
	Great black-backed gull			MED	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Greater yellowlegs			15-30+				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Herring gull			MED	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Hudsonian godwit			2-4							X	X	X	X			-	JUL-OCT	-
	Laughing gull			LOW				X	X	X	X	X					-	-	-
	Least sandpiper			50-100++				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Lesser yellowlegs							X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Piping plover	E	T	LOW				X	X	X	X	X	X				-	-	-
	Ruddy turnstone			LOW				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Sanderling			LOW	X	X	X	X	X					X	X	X	-	-	-
	Semipalmated plover			200-600				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Semipalmated sandpiper			200-600				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Short-billed dowitcher			50-400				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Whimbrel			10-20							X	X	X	X			-	JUL-OCT	-
	White-rumped sandpiper			2-6				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Willet	C		LOW				X	X	X	X	X	X				-	MAY-SEP	-
3	Black-crowned night-heron			1-3				X	X	X	X	X	X	X			MAY-SEP	-	-
	Common tern	E		HIGH				X	X	X	X	X	X				-	-	-
	Glossy ibis			10-30				X	X	X	X	X	X	X			MAY-SEP	-	-
	Great blue heron			5-15				X	X	X	X	X	X	X			MAY-SEP	-	-
	Great egret			5-15				X	X	X	X	X	X	X			MAY-SEP	-	-
	Green heron			1-2				X	X	X	X	X	X	X			MAY-SEP	-	-
	Least tern	E		UNCOMMON				X	X	X	X						-	-	-
	Little blue heron			1-2				X	X	X	X	X	X	X			MAY-SEP	-	-
	Peregrine falcon	E		LOW	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Snowy egret			25-50				X	X	X	X	X	X	X			MAY-SEP	-	-
	Tricolored heron			1-2				X	X	X	X	X	X	X			MAY-SEP	-	-
4	Osprey	T		1 PAIR				X	X	X	X	X	X	X			APR-OCT	-	-
5	Least tern	E		UNCOMMON				X	X	X	X						-	-	-
	Piping plover	E	T	5 PAIRS				X	X	X	X	X	X				APR-SEP	-	-
	Sanderling			MED-HIGH	X	X	X	X	X					X	X	X	-	-	-
6	Dunlin							X			X	X	X				-	MAY-MAY AUG-OCT	-
	Purple sandpiper	C		100-150	X	X	X	X	X					X	X		-	-	-
7	Double-crested cormorant			LOW				X	X	X	X	X	X	X			-	-	-
	Great cormorant			LOW	X	X	X	X	X					X	X		-	-	-
8	Double-crested cormorant			LOW				X	X	X	X	X	X	X			-	-	-
	Great cormorant			LOW	X	X	X	X	X					X	X		-	-	-
9	Common tern	E		20 PAIRS				X	X	X	X						MAY-AUG	-	-
	Willet	C		10-15 PAIRS				X	X	X	X	X					MAY-SEP	-	-
10	American black duck			LOW	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Common eider			MED	X	X	X	X					X	X	X		-	-	-
	Double-crested cormorant			MED				X	X	X	X	X	X				-	-	-
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Great cormorant			MED	X	X	X	X	X					X	X		-	-	-
	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Purple sandpiper	C		MED	X	X	X	X	X					X	X		-	-	-
11	American black duck			LOW	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Common eider			MED	X	X	X	X					X	X	X		-	-	-
	Double-crested cormorant			MED-HIGH				X	X	X	X	X	X				-	-	-
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Great cormorant			LOW	X	X	X	X	X					X	X		-	-	-
	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Purple sandpiper	C		MED	X	X	X	X	X					X	X		-	-	-
14	Black-bellied plover			LOW				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Dunlin			LOW				X			X	X	X				-	MAY-MAY AUG-OCT	-
	Least sandpiper			MED				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Ruddy turnstone			LOW				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Sanderling			MED	X	X	X	X	X					X	X	X	-	-	-
	Semipalmated plover			MED				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Semipalmated sandpiper			MED				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	White-rumped sandpiper			LOW				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
15	Common loon	T		LOW	X	X	X	X	X					X	X	X	-	-	-
	Red-breasted merganser			HIGH	X	X	X	X						X	X		-	-	-
	Scoters			HIGH	X	X	X	X						X	X		-	-	-
22	American bittern			LOW				X	X	X	X	X	X	X			-	-	-
	American black duck			LOW	X	X	X	X	X	X	X	X	X	X	X		APR-AUG	-	-
	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			-	-	-
	Canada goose			LOW	X	X	X	X	X	X	X	X	X	X	X		APR-AUG	-	-
	Glossy ibis			LOW	X	X	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			LOW				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Green heron			LOW				X	X	X	X	X	X	X			-	-	-
	Least sandpiper			LOW				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Lesser yellowlegs			LOW				X			X	X	X	X			-	MAY-MAY JUL-OCT	-
	Little blue heron			LOW				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	-
	Snowy egret			LOW				X	X	X	X	X	X	X			-	-	-
	Tricolored heron			LOW				X	X	X	X	X	X	X			-	-	-

FISH:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
					-	-	-	-	-	-	-	-	-	-	-	-					
16	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

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 1 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH:																						
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults	
16	Grubby	-	-		X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	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-DEC	
	Northern pipefish	-	-		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	APR-OCT	JAN-DEC	JAN-DEC	
	Smooth flounder	-	-		X	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	X	JUN-AUG	JUN-AUG	JUN-SEP	JAN-DEC	JAN-DEC	
	Threespine stickleback	-	-		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	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	
17	Windowpane flounder	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Alewife	-	-					X	X	X	X	X	X	X	X	X	-	-	-	APR-DEC	APR-JUL	
	American eel	-	-				X	X	X	X	X	X	X	X	X	X	-	-	-	-	MAR-OCT	
	American shad	-	-		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	
18	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	
	American plaice	-	-				X	X	X	X	X	X	X	X	X	X	-	MAR-JUN	MAR-JUL	MAR-NOV	MAR-NOV	
	American sand lance	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-JUN	MAR-NOV	MAR-NOV	
	Atlantic cod	-	-		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	NOV-JUN	NOV-JUL	JAN-DEC	OCT-JUL	
	Atlantic herring	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAY	APR-DEC	APR-DEC	
	Cunner	-	-		X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-SEP	JAN-DEC	JAN-DEC	
	Haddock	-	-				X	X	X	X							-	MAR-JUN	MAR-JUN	-	-	
	Longhorn sculpin	-	-		X	X	X	X	X	X	X	X	X	X	X	X	DEC-APR	DEC-APR	JAN-JUN	JAN-DEC	JAN-DEC	
	Northern searobin	-	-								X	X	X	X			-	-	-	JUL-OCT	JUL-OCT	
	Ocean pout	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Pollock	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	NOV-FEB	NOV-MAR	JAN-DEC	-	
	Red hake	-	-				X	X	X	X	X	X	X	X			-	JUN-OCT	JUN-OCT	MAY-NOV	MAY-NOV	
	Rock gunnel	-	-		X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-APR	JAN-MAY	JAN-DEC	JAN-DEC	
	Shorthorn sculpin	-	-		X	X	X	X	X				X	X	X	X	-	-	-	SEP-MAY	SEP-MAY	
	Silver hake	-	-				X	X	X	X	X	X	X	X			-	-	-	APR-NOV	APR-NOV	
	Skates	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	White hake	-	-				X	X	X	X	X	X	X	X			-	JUL-OCT	JUL-OCT	MAY-NOV	MAY-NOV	
	Winter flounder	-	-		X	X	X	X	X	X	X	X	X	X	X	X	FEB-MAY	-	-	JAN-DEC	JAN-DEC	
Yellowtail flounder	-	-				X	X	X	X	X	X					-	APR-SEP	APR-SEP	-	-		
19	Atlantic mackerel	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Butterfish	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
21	Rainbow smelt	-	-	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-SEP	OCT-APR	
	Striped bass	-	-	HIGH	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	

INVERTEBRATE:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
2	Blue mussel	-	-	LOW	X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	MAY-NOV	MAY-NOV	JAN-DEC	JAN-DEC
12	Blue mussel	-	-	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	MAY-NOV	MAY-NOV	JAN-DEC	JAN-DEC
13	American lobster	-	-	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-OCT	-	-	JAN-DEC	JAN-DEC
	Atlantic surfclam	-	-	MED	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	JAN-DEC	JAN-DEC
	Northern quahog (hard clam)	-	-	MED	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	JAN-DEC	JAN-DEC
16	Daggerblade grass shrimp	-	-		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Horseshoe crab	-	-	LOW	X	X	X	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	X	X	X	-	-	-	JAN-DEC	JAN-DEC
19	Northern shrimp	-	-		X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	-	-
20	Atlantic surfclam	-	-	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	JAN-DEC	JAN-DEC
	Northern quahog (hard clam)	-	-	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	JAN-DEC	JAN-DEC
62	Softshell clam	-	-		X	X	X	X	X	X	X	X	X	X	X	X	MAY-OCT	MAY-OCT	MAY-OCT	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	Molting	Pupping
7	Harbor seal	-	-	20-70	X	X	X	X	-	-	-	-	-	-	X	X	-	-	-	-
10	Harbor seal	-	-	10-45	X	X	X	X	-	-	-	-	-	-	X	X	-	-	-	-

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HUMAN USE RESOURCES:

LOCK AND DAM:			
HUN#	Name - Code	Owner	Phone
112	DODGE POND DAM - 106.01	TOWN OF HAMPTON FALLS	
119	TAYLOR RIVER DAM - 106.08	NH DEPT. OF TRANSPORTATION	

MARINA:			
HUN#	Name	Owner	Phone
130	HAMPTON RIVER MARINA		603-929-1422

PARK:			
HUN#	Name	Owner	Phone
138	HAMPTON BEACH STATE PARK		
139	JENNESS BEACH STATE PARK		
140	NORTH HAMPTON STATE PARK		
142	RYE HARBOR STATE PARK		603-436-5294

WATER INTAKE:			
HUN#	Name	Owner	Phone
174	ABENAQUI COUNTRY CLUB		603-964-5563
191	HAMPTON WWTF		
197	N ATLANTIC ENERGY SVC		

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.