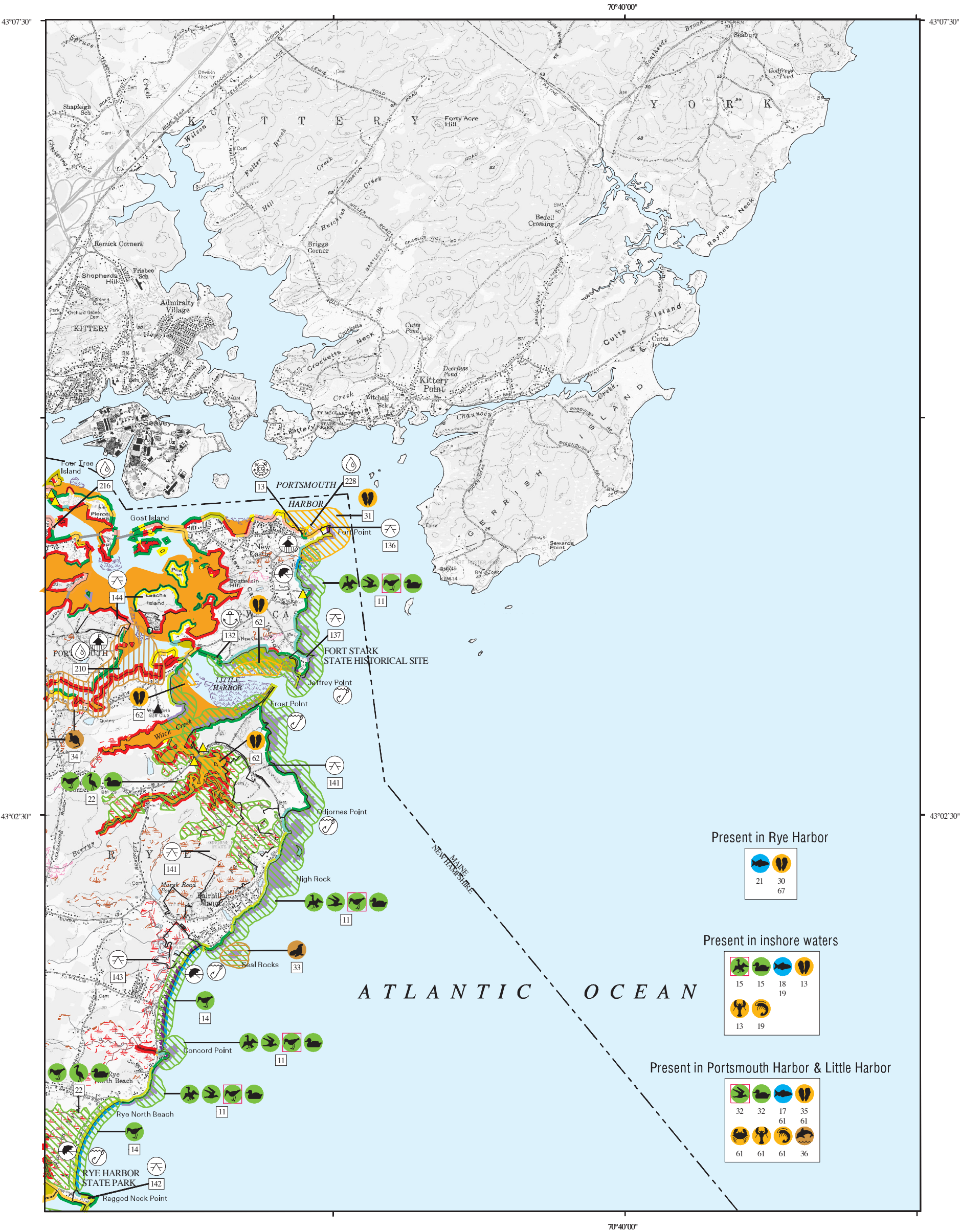
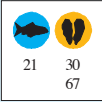


ENVIRONMENTAL SENSITIVITY INDEX MAP



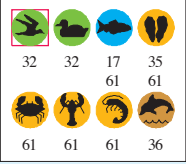
Present in Rye Harbor



Present in inshore waters



Present in Portsmouth Harbor & Little Harbor



SHORELINE HABITATS (ESI)

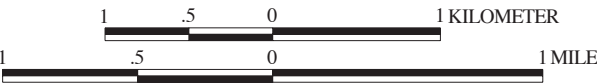
- 1A EXPOSED ROCKY SHORES
- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES
- 8B SHELTERED, SOLID MAN-MADE STRUCTURES
- 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

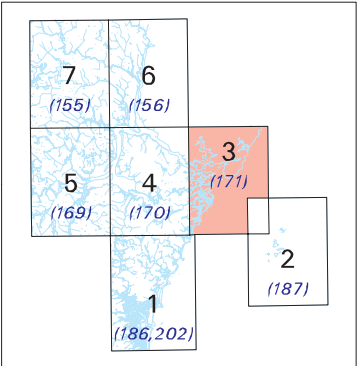
Published by:
Research Planning, Inc.
March 2004



SCALE 1:45000



Not For Navigation



KITTERY, ME. -N.H.(1995) **NH-3**

BIOLOGICAL RESOURCES:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating		Molting
		-	-		-	-	-	-	-	-	-	-	-	-	-	-				
11	American black duck			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Common eider			MED	X	X	X	X				X	X	X	X		-	-	-	-
	Double-crested cormorant			MED-HIGH				X	X	X	X	X	X	X			-	-	-	-
	Great black-backed gull			HIGH	X	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	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			-	-	-	-
	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	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			-	-	-	-
32	American black duck			HIGH	X	X	X	X												

[illegible]

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 3 (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
		-	-		-	-	-	-	-	-	-	-	-	-	-	-					
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
19	Northern shrimp				X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	-	-
30	European flat oyster				X	X	X	X	X	X	X	X	X	X	X	X	AUG-SEP	-	-	JAN-DEC	JAN-DEC
31	Sea scallop			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUL-OCT	-	-	JAN-DEC	JAN-DEC
35	Blue mussel			MED	X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	MAY-NOV	MAY-NOV	JAN-DEC	JAN-DEC
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	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Eastern oyster				X	X	X	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	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
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
67	Eastern oyster				X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	JUN-AUG	JUN-AUG	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
		-	-		-	-	-	-	-	-	-	-	-	-	-	-				
33	Harbor seal			10-20	X	X	X	X						X	X		-	-	-	-
36	Harbor porpoise				X	X	X	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
		-	-		-	-	-	-	-	-	-	-	-	-	-	-
34	Northern river otter				X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

COAST GUARD:			
HUN#	Name	Owner	Phone
13	USCG MARINE SAFETY FIELD OFFICE		603-433-7324

MARINA:			
HUN#	Name	Owner	Phone
132	WENTWORTH BY THE SEA MARINA		603-433-5050

PARK:			
HUN#	Name	Owner	Phone
136	FORT CONSTITUTION HISTORIC SITE		
137	FORT STARK HISTORIC SITE		
141	ODIORNE POINT STATE PARK		603-436-8500
142	RYE HARBOR STATE PARK		603-436-5294
143	WALLIS SANDS STATE PARK		
144	WENTWORTH COOLIDGE HISTORIC SITE		

WATER INTAKE:			
HUN#	Name	Owner	Phone
210	PORTSMOUTH WWTF		
216	SANDERS LOBSTER POUND		603-436-8657
228	WATER INTAKE		603-862-0190

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.