

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.

BIOLOGICAL RESOURCES: (cont.)

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
	Windowpane flounder				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
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	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
	Sea lamprey							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
18	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
	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
	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	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	X	-	-	-	SEP-MAY	SEP-MAY
	Silver hake						X	X	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	X	X	-	JUL-OCT	JUL-OCT	MAY-NOV	MAY-NOV
	Winter flounder				X	X	X</														

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

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	-	-	-	-

LOCK AND DAM:

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

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

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

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

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New Hampshire: ESIMAP 2

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
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		-	-	-
23	Black guillemot				X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Common eider			50-100 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Harlequin duck			LOW	X	X	X							X	X		-	-	-
	Purple sandpiper	C		500	X	X	X	X	X					X	X		-	-	-
	Ruddy turnstone			MED	X	X	X	X						X	X	X	-	-	-
25	Double-crested cormorant			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Great cormorant			MED	X	X	X	X	X					X	X		-	-	-
	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
26	Black guillemot			1-3				X	X	X	X	X					APR-AUG	-	-
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
27	Arctic tern	T		3 PAIRS				X	X	X	X	X	X	X			APR-OCT	-	-
	Common tern	E		2500 PAIRS				X	X	X	X						MAY-AUG	-	-
	Roseate tern	E	E	80 PAIRS				X	X	X	X						MAY-AUG	-	-

FISH:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
28	American plaice			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	American sand lance			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Atlantic cod			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Atlantic herring			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAY	APR-DEC	APR-DEC
	Atlantic mackerel			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Butterfish			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Cunner			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Haddock			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Longhorn sculpin			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Northern searobin			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Ocean pout			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Pollock			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Red hake			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Rock gunnel			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Shorthorn sculpin			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Silver hake			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Skates			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	White hake			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Winter flounder			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-
	Yellowtail flounder			HIGH		X	X	X	X	X	X	X	X	X			-	-	-	-	-

INVERTEBRATE:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
28	American lobster			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-OCT	-	-	JAN-DEC	JAN-DEC
	Northern shrimp			HIGH	X	X	X	X									-	-	-	-	-
29	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
	Sea scallop			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUL-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
24	Gray seal				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUN
	Harbor seal			200-600	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUN
28	Long-finned pilot whale							X	X	X	X	X	X	X	X	X	-	-	-	-
	Minke whale							X	X	X	X	X	X	X	X	X	-	-	-	-
	Northern right whale			HIGH	X	X	X							X	X	X	-	-	-	-

HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Owner	Contact	Phone
4	AQUACULTURE SITE: FINFISH AND SHELLFISH		DR. RICH LANGAN, UNIVERSITY OF NEW HAMPSHIRE	603-862-0190

PARK:

HUN#	Name	Owner	Contact	Phone
145	WHITE ISLAND HISTORICAL SITE			

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

BIOLOGICAL RESOURCES:

BIRD:

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		-	-		-
	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		-	-		-
14	Purple sandpiper	C		MED	X	X	X	X	X					X	X		-	-		-
	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	-
	Common loon	T		LOW	X	X	X	X	X					X	X	X	-	-		-
15	Red-breasted merganser			HIGH	X	X	X	X						X	X		-	-		-
	Scoters			HIGH	X	X	X	X						X	X		-	-		-
					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	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	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						X	X		-	-		-
	Bonaparte's gull			MED	X	X	X	X	X					X	X	X	-	-		-
	Bufflehead			MED	X	X	X	X						X	X		-	-		-
	Common goldeneye			MED	X	X	X	X						X	X		-	-		-
	Common tern	E		LOW				X	X	X	X	X	X				-	-		-
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-		-
	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-		-
	Mallard			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-		-
	Red-breasted merganser			LOW	X	X	X	X						X	X		-	-		-
	Ring-billed gull			MED	X	X	X	X	X	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	
		-	-		-	-	-	-	-	-	-	-	-	-	-	-						
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	-	-	-	APR-DEC	APR-JUL	
Striped bass				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC		
18	American plaice						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		-	-	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							-	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			-	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			-	-	-	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			-	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	
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				-	-	-	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		-	-	-	-	-	
	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-DEC	
	Northern pipefish				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	APR-OCT	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			-	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	
	Skates				X	X	X	X	X	X	X	X	X	X	X		-	-	-	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 hake							X	X	X	X	X	X	X			-	JUL-OCT	JUL-OCT	MAY-NOV	MAY-NOV	
White perch				X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	APR-JUN	APR-JUN	JAN-DEC	JAN-DEC		
Windowpane flounder				X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC		
Winter flounder				X	X	X	X	X	X	X	X	X	X	X	X	FEB-MAY	-	-	JAN-DEC	JAN-DEC		

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.

New Hampshire: ESIMAP 4

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	-	-
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	-	-	-
	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		-	-	-
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	X	APR-AUG	-	-
	Black-bellied plover			LOW				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	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	X			-	MAY-MAY JUL-OCT	-
	Green heron			LOW				X	X	X	X	X	X	X			-	-	-
	Least sandpiper			LOW				X		X	X	X	X	X			-	MAY-MAY JUL-OCT	-
	Lesser yellowlegs			LOW				X		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	X			-	MAY-MAY JUL-OCT	-
	Semipalmated sandpiper			LOW				X		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							X	X	-	-	-
	Bonaparte's gull			MED	X	X	X	X	X					X	X	X	-	-	-
	Bufflehead			MED	X	X	X	X						X	X		-	-	-
	Common goldeneye			MED	X	X	X	X						X	X		-	-	-
	Common tern	E		LOW				X	X	X	X	X	X				-	-	-
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Mallard			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Red-breasted merganser			LOW	X	X	X	X						X	X		-	-	-
	Ring-billed gull			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
42	Common tern	E		10-15 PAIRS				X	X	X	X						MAY-AUG	-	-
44	American black duck			MED	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	American wigeon			>100	X	X	X	X						X	X	X	-	-	-
	Bald eagle	E	T	LOW	X	X	X	X						X			-	-	-
	Blue-winged teal			LOW	X	X	X	X						X	X		-	-	-
	Bufflehead			LOW	X	X	X	X						X	X		-	-	-
	Common goldeneye			LOW	X	X	X	X						X	X		-	-	-
	Gadwall			LOW	X	X	X	X						X	X		-	-	-
	Great blue heron			LOW				X	X	X	X	X	X	X			MAY-SEP	-	-
	Greater scaup			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			-	-	-
	Green-winged teal			150										X	X		-	-	-
	Hooded merganser				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least bittern			LOW				X	X	X	X	X	X				MAY-SEP	-	-
	Least sandpiper			LOW				X		X	X	X	X				-	MAY-MAY JUL-OCT	-
	Lesser yellowlegs			LOW				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	-	-
	Northern pintail			LOW	X	X	X	X						X	X		-	-	-
	Osprey	T		LOW				X	X	X	X	X	X	X			APR-OCT	-	-
	Peregrine falcon	E		LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Pied-billed grebe	E		LOW	X	X	X	X	X	X	X	X	X	X			APR-OCT	-	-
	Ring-necked duck			LOW	X	X	X	X						X	X		-	-	-
	Semipalmated sandpiper			50				X		X	X	X	X				-	MAY-MAY JUL-OCT	-
	Snowy egret			LOW				X	X	X	X	X	X				-	-	-
	Solitary sandpiper			LOW				X		X	X	X	X				-	-	-
	Sora			LOW				X	X	X	X	X	X				-	-	-
	Spotted sandpiper			LOW				X		X	X	X	X				-	-	-
	Virginia rail			LOW				X	X	X	X						MAY-AUG	-	-
	Wood duck			200	X	X	X	X						X	X	X	OCT-OCT	-	-
45	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		-	-	-
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	-	-	-
49	American bittern			LOW				X	X	X	X	X	X				-	-	-
	Black-crowned night-heron			LOW				X	X	X	X	X	X				-	-	-
	Glossy ibis			LOW				X	X	X	X	X	X				-	-	-
	Great blue heron			LOW				X	X	X	X	X	X				-	-	-
	Great egret			LOW				X	X	X	X	X	X				-	-	-
	Green heron			LOW				X	X	X	X	X	X				-	-	-
	Little blue heron			LOW				X	X	X	X	X	X				-	-	-
	Snowy egret			LOW				X	X	X	X	X	X				-	-	-
	Tricolored heron			LOW				X	X	X	X	X	X				-	-	-
50	American bittern			LOW				X	X	X	X	X	X				-	-	-
	American black duck			LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Black-crowned night-heron			LOW				X	X	X	X	X	X				-	-	-
	Glossy ibis			LOW				X	X	X	X	X	X				-	-	-
	Great blue heron			LOW				X	X	X	X	X	X				-	-	-
	Great egret			LOW				X	X	X	X	X	X				-	-	-
	Green heron			LOW				X	X	X	X	X	X				-	-	-
	Little blue heron			LOW				X	X	X	X	X	X				-	-	-
	Snowy egret			LOW				X	X	X	X	X	X				-	-	-
	Tricolored heron			LOW				X	X	X	X	X	X				-	-	-
51	American bittern			LOW				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	-

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 4 (cont.)

BIOLOGICAL RESOURCES: (cont.)

BIRD:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating		Molting	
51	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	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				-	-	-	-	
	Spotted sandpiper			LOW				X		X	X	X	X				-	-	-	-	
	Solitary sandpiper			LOW				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
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	-	-	-	APR-DEC	APR-JUL
	Striped bass				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
18	American plaice						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
38	Rainbow smelt			HIGH			X										MAR-APR	-	-	-	MAR-APR
48	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
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-DEC
	Northern pipefish				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	APR-OCT	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
	Skates				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	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 hake						X	X	X	X	X	X	X	X	</						

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 4 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL:																				
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Molting	Pupping
36	Harbor porpoise				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
43	Harbor seal			HIGH	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				
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				
44	Beaver			LOW	X	X	X	X	X	X	X	X	X	X	X	X				
	Muskrat			LOW	X	X	X	X	X	X	X	X	X	X	X	X				
	Northern river otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X				

HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Owner	Contact	Phone
5	AQUACULTURE: OYSTER			

LOCK AND DAM:

HUN#	Name - Code	Owner	Contact	Phone
118	SOUTH MILL POND DAM - 199.05	CITY OF PORTSMOUTH PUBLIC WORKS	STEVE PARKINSON	
121	WINNICUT RIVER DAM - 099.01	NH FISH AND GAME DEPT.	CHUCK MINER	

MANAGEMENT AREA:

HUN#	Name	Owner	Contact	Phone
126	JONES AVE. CONSERVATION AREA			

MARINA:

HUN#	Name	Owner	Contact	Phone
129	GREAT BAY MARINA			603-436-5299
131	LITTLE BAY MARINA			603-749-9282

NATURE CONSERVANCY:

HUN#	Name	Owner	Contact	Phone
135	PACKER BOG PRESERVE			

PARK:

HUN#	Name	Owner	Contact	Phone
142	RYE HARBOR STATE PARK			603-436-5294

WATER INTAKE:

HUN#	Name	Owner	Contact	Phone
188	GREAT BAY AQUAFARMS			
193	JACKSON ESTUARINE LABORATORY		DAVID SHAY-MGR	603-862-2175
195	LITTLE BAY LOBSTER COMPANY		GREG HANSON OR DON LADUE	603-431-3170
200	NEWICK'S RESTAURANT		MARTY CHAMPAIGN	603-742-3205
201	NEWINGTON WWTF			
207	PIKE INDUSTRIES INC			603-527-5101
208	PORTSMOUTH COUNTRY CLUB			603-436-9719
210	PORTSMOUTH WWTF			
211	PSNH-NEWINGTON GENERATING STATION		LEO QUINN	603-669-4000
212	PSNH-SCHILLER GENERATING STATION		LEO QUINN	603-669-4000
213	PUBLIC SERVICE CO OF NH			603-669-4000
217	SEA-3 INC			
220	SPRAGUE ENERGY		TOM WITHKA, JR.	603-430-5345
226	TYCOM INTEGRATED CABLE SY		DENNIS KOST	603-436-6100

WILDLIFE REFUGE:

HUN#	Name	Owner	Contact	Phone
327	ADAMS POINT WILDLIFE MANAGEMENT AREA			
330	GREAT BAY WILDLIFE MANAGEMENT AREA			
331	GREAT BAY NATIONAL WILDLIFE REFUGE		JIMMIE REYNOLDS	603-431-7511

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

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				-	-		-	
	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				-	-		-	
	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				-	-		-	
	Virginia rail			LOW				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				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			-	-	-	-	MAR-OCT
	American shad				X	X		X	X	X	X	X	X	X	X	X	-	-	-	-	MAY-JUL
	Atlantic salmon				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Blueback herring				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Rainbow smelt				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	MAR-SEP
	Sea lamprey							X	X	X	X	X	X	X	X	X	-	-	-	-	APR-DEC
	Striped bass				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	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
	Atlantic salmon				X	X	X	X	X	X	X	X	X	X	X	X	SEP-NOV	-	-	-	JAN-DEC
	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			-	-	-	-	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
	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															

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			

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 6

BIOLOGICAL RESOURCES:

BIRD:																						
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating		Molting		
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			-	-	-			
	Great black-backed gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-			
51	Herring gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-			
	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	X			-	MAY-MAY	JUL-OCT	-		
	Green heron			LOW				X	X	X	X	X	X	X			-	-	-	-		
	Least sandpiper			MED				X		X	X	X	X	X			-	MAY-MAY	JUL-OCT	-		
	Lesser yellowlegs			MED				X		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	X			-	MAY-MAY	JUL-OCT	-		
	Semipalmated sandpiper			LOW				X		X	X	X	X	X			-	MAY-MAY	JUL-OCT	-		
	Short-billed dowitcher			LOW				X		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	X			-	-	-	-		
	Spotted sandpiper			LOW				X		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	X			-	MAY-MAY	JUL-OCT	-	
		Lesser yellowlegs			10-50				X		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			-	-	-	-	
	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	-	-	-	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	X								MAR-APR	-	-	-	MAR-APR	
	57	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
Rainbow smelt				HIGH				X	X								MAR-APR	-	-	-	MAR-APR	
61	Sea lamprey							X	X								APR-MAY	-	-	-	APR-MAY	
	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			-	-	-	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-DEC	
	Northern pipefish				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	APR-OCT	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-	

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 6 (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	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	
43	Harbor seal			HIGH	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
111	CENTRAL AVE DAM - 067.04	CITY OF DOVER		
115	ROLLINSFORD DAM - 205.02	TOWN OF ROLLINSFORD		
117	SOUTH BERWICK DAM - 205.01	CHI ENERGY, INC.	VICTOR ENGEL	

MANAGEMENT AREA:				
HUN#	Name	Owner	Contact	Phone
124	BELLAMY RIVER WILDLIFE SANCTUARY			

MARINA:				
HUN#	Name	Owner	Contact	Phone
128	GEORGE'S MARINA			603-742-9089

WATER INTAKE:				
HUN#	Name	Owner	Contact	Phone
181	COCHECO COUNTRY CLUB			
183	DOVER WWTF			
184	ELLIOTT & WILLIAMS ROSES			
224	TEXTRON AUTOMOTIVE CO			
230	WILLIAMS - R CRAIG			

WILDLIFE REFUGE:				
HUN#	Name	Owner	Contact	Phone
328	BELLAMY RIVER WILDLIFE MANAGEMENT AREA			

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 7

BIOLOGICAL RESOURCES:

BIRD:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating		Molting	
47	Bald eagle	E	T	15-25	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				-	-	-		
	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				-	-	-		
	Great blue heron			LOW				X	X	X	X	X	X				-	-	-		
	Great egret			LOW				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				-	-	-		
	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				-	-	-		
	Solitary sandpiper			LOW				X		X	X	X	X				-	-	-		
	Spotted sandpiper			LOW				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				-	-	-		
	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				-	-	-		
	Virginia rail			LOW				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
17	Alewife							X	X	X	X	X	X	X	X	X	-	-	-	APR-DEC	APR-JUL
	American eel						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	-	-	-	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	X									MAR-APR	-	-	-	MAR-APR
57	Rainbow smelt			HIGH			X	X									MAR-APR	-	-	-	MAR-APR
	Sea lamprey							X	X								APR-MAY	-	-	-	APR-MAY
	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
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			-	-	-	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-DEC
	Northern pipefish				X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	APR-OCT	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			-	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
	Skates				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Smooth flounder				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-		

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New Hampshire: ESIMAP 7 (cont.)

BIOLOGICAL RESOURCES: (cont.)

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	Owner	Contact	Phone
114	MILL POND DAM - 071.03	TOWN OF DURHAM	PUBLIC WORKS DEPT.	
116	SAWYERS UPPER MILL DAM - 067.07	SAWYERS MILL ASSOC., INC.	DOROTHY WAGNER	
120	WATSON WALDRON DAM - 067.02	NH WATER RESOURCES COUNCIL	JOHN WEBSTER	

MANAGEMENT AREA:

HUN#	Name	Owner	Contact	Phone
123	BELLAMY RIVER WETLAND PRESERVE			
125	GERRISH BROOK NATURAL AREA			
127	SPRUCE HOLE CONSERVATION AREA			

WILDLIFE REFUGE:

HUN#	Name	Owner	Contact	Phone
332	STOLWORTHY WILDLIFE SANCTUARY			

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