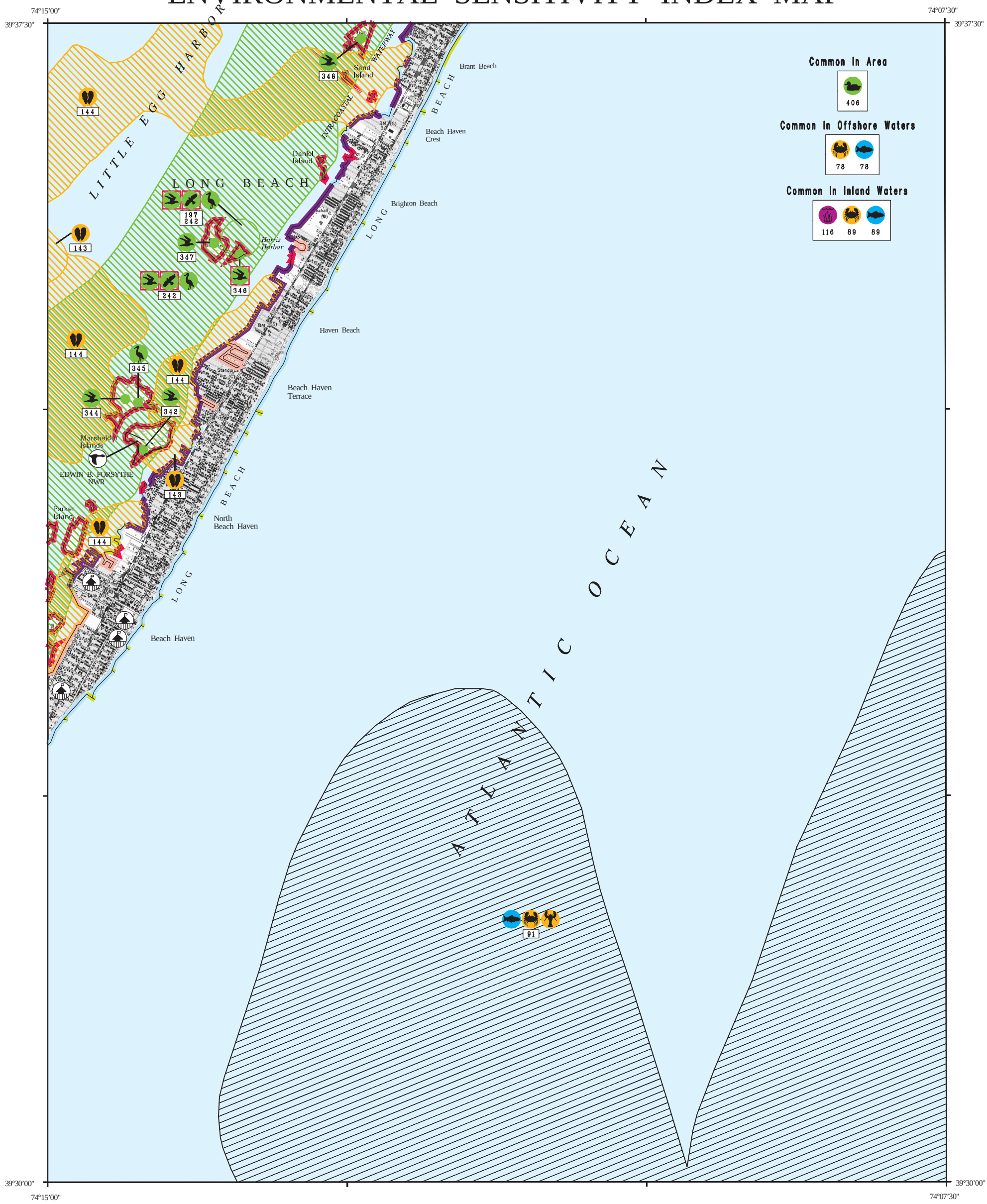
ENVIRONMENTAL SENSITIVITY INDEX MAP



Prepared for:

HAZARDOUS MATERIALS RESPONSE
and ASSESSMENT DIVISION
National Oceanic and Atmospheric Administration
Seattle, Washington
and
The States of DELAWARE,
NEW JERSEY, and PENNSYLVANIA

N W E S

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

Not For Navigation
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BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
197	Black skimmer	NJ	S	E						X	X	X	X	X				MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Common tern							X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
242	Black skimmer	NJ	S	E						X	X	X	X	X				MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Common tern							X	X	X	X	X	X					-	-	-	-
	Gull-billed tern									X	X	X	X	X				JUN-SEP	JUN-JUN	JUN-JUL	JUL-AUG
	Least tern	NJ	S	E				X	X	X	X	X	X					-	-	-	-
	Little blue heron								X	X	X	X	X	X	X	X		-	-	-	-
	Northern harrier					X	X	X	X	X				X	X	X	X	-	-	-	-
	Osprey	NJ	S	T				X	X	X	X	X	X	X				MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
	Roseate tern	NJ	S/F	E/E							X	X	X	X				JUN-AUG	JUN-JUN	JUN-JUL	JUL-AUG
342	Common tern				79			X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
344	Common tern				330			X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Herring gull				43	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Laughing gull				35				X	X	X	X	X	X	X			APR-JUL	MAY-MAY	MAY-JUN	JUL-JUL
345	Black-crowned night heron				4			X	X	X	X	X	X	X	X			MAR-JUN	MAY-JUN	-	-
	Glossy ibis				2			X	X	X	X	X	X	X				MAR-SEP	APR-MAY	APR-JUN	JUL-SEP
	Great egret				4			X	X	X	X	X	X	X	X	X		JUN-JUL	-	-	-
	Snowy egret				3				X	X	X	X	X	X				JUN-JUL	-	-	-
346	Black skimmer	NJ	S	E	23					X	X	X	X	X				MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Common tern				210			X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Laughing gull				10				X	X	X	X	X	X	X			APR-JUL	MAY-MAY	MAY-JUN	JUL-JUL
347	Common tern				35			X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Herring gull				21	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Laughing gull				190				X	X	X	X	X	X	X			APR-JUL	MAY-MAY	MAY-JUN	JUL-JUL
348	Herring gull				22	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
406	American wigeon				300	X	X	X							X	X	X	-	-	-	-
	Black duck				9200	X	X										X	-	-	-	-
	Brant				16685	X	X	X							X	X	X	-	-	-	-
	Bufflehead				4000	X	X	X	X	X				X	X	X	X	-	-	-	-
	Canada goose				700	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Canvasback				1000	X	X	X	X					X	X	X	X	-	-	-	-
	Gadwall				10	X	X	X	X	X							X	-	-	-	-
	Goldeneye				6000	X	X	X								X	X	-	-	-	-
	Green-winged teal				50	X	X	X							X	X	X	-	-	-	-
	Mallard				3045	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Merganser				1200	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				20	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	APR-MAY	MAY-JUN	SEP-OCT
	Northern pintail				150	X	X	X	X					X	X	X	X	-	-	-	-
	Oldsquaw				2000	X	X	X	X						X	X	X	-	-	-	-
	Redhead				100	X	X	X							X	X	X	-	-	-	-
	Ruddy duck				10	X	X	X	X	X				X	X	X	X	-	-	-	-
	Scaup				24000	X	X	X								X	X	-	-	-	-
	Scoter				700									X	X	X	X	-	-	-	-
	Snow goose				100	X	X	X						X	X	X	X	-	-	-	-
	Whistling swan (tundra swan)				100	X	X	X	X							X	X	-	-	-	-

FISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Outmig.	Larvae/Juv
78	Alewife					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	American shad							X	X	X								-	-	-
	Atlantic croaker					X			X	X	X	X	X	X	X	X	X	-	-	MAY-JAN
	Atlantic herring					X		X	X	X						X	X	-	MAR-JUN	-
	Atlantic menhaden							X	X	X	X	X	X	X				-	-	MAR-OCT
	Atlantic sturgeon					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	APR-AUG
	Black seabass								X	X	X	X	X	X	X	X		-	-	APR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X	X			-	-	JUL-SEP
	Northern kingfish								X	X	X	X	X	X	X	X		-	-	-
	Porgy (scup)								X	X	X	X	X	X	X	X	X	-	-	-
	Seatrout (weakfish)							X	X	X	X	X	X	X	X	X		APR-AUG	-	APR-SEP
	Spot							X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUN
	Squirrel (red) hake (ling)					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Striped bass					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Summer flounder								X	X	X	X	X	X	X	X		-	-	APR-NOV
	Tautog					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	JUN-DEC
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT
89	Alewife					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	American shad							X	X	X								-	-	-
	Atlantic croaker					X			X	X	X	X	X	X	X	X	X	-	-	MAY-JAN
	Atlantic herring					X		X	X	X						X	X	-	MAR-JUN	-
	Atlantic menhaden							X	X	X	X	X	X	X				-	-	MAR-OCT
	Black seabass								X	X	X	X	X	X	X	X		-	-	APR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X	X			-	-	JUL-SEP
	Northern kingfish								X	X	X	X	X	X	X	X		-	-	-
	Porgy (scup)								X	X	X	X	X	X	X	X	X	-	-	-
	Seatrout (weakfish)							X	X	X	X	X	X	X	X	X		APR-AUG	-	APR-SEP
	Spot							X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUN
	Squirrel (red) hake (ling)					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Striped bass					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Summer flounder								X	X	X	X	X	X	X	X		-	-	APR-NOV
	Tautog					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	JUN-DEC
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT
91	Alewife					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	American shad							X	X	X								-	-	-
	Atlantic croaker					X			X	X	X	X	X	X	X	X	X	-	-	MAY-JAN
	Atlantic herring					X		X	X	X						X	X	-	MAR-JUN	-
	Atlantic menhaden							X	X	X	X	X	X	X				-	-	MAR-OCT
	Atlantic sturgeon					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	APR-AUG
	Black seabass								X	X	X	X	X	X	X	X		-	-	APR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X	X			-	-	JUL-SEP
	Northern kingfish								X	X	X	X	X	X	X	X		-	-	-
	Porgy (scup)								X	X	X	X	X	X	X	X	X	-	-	-
	Seatrout (weakfish)							X	X	X	X	X	X	X	X	X		APR-AUG	-	APR-SEP
	Spot							X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUN
	Squirrel (red) hake (ling)					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Striped bass					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Summer flounder								X	X	X	X	X	X	X	X		-	-	APR-NOV
	Tautog					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	JUN-DEC
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT

HABITAT:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
116	Eelgrass				-	X	X	X	X	X	X	X	X	X	X	X	X

SHELLFISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Larvae/Juv	Mating
78	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN
89	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN
91	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN
	Northern lobster							X	X	X	X	X						-	-	-
143	Northern quahog (hard clam)				HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-SEP	-
144	Northern quahog (hard clam)				MED	X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-SEP	-