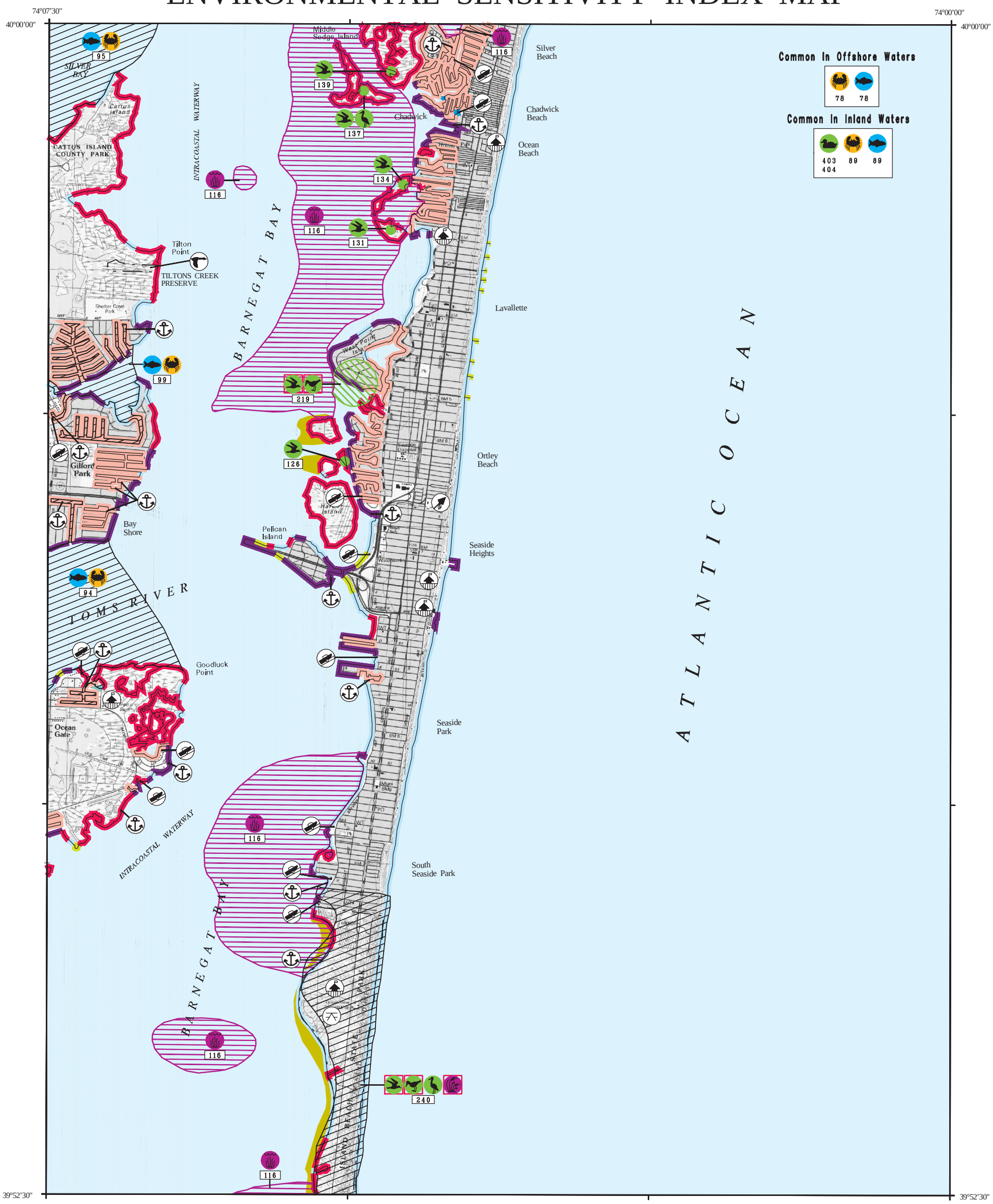
ENVIRONMENTAL SENSITIVITY INDEX MAP



Prepared for:

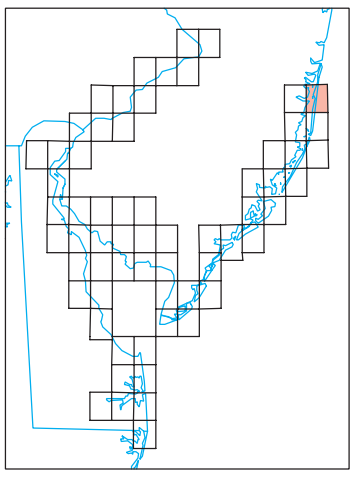
HAZARDOUS MATERIALS RESPONSE
and ASSESSMENT DIVISION
National Oceanic and Atmospheric Administration
Seattle, Washington
and
The States of DELAWARE,
NEW JERSEY, and PENNSYLVANIA

N W E S

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

Not For Navigation
Published: August 1996



SEASIDE PARK, N.J. (1989) 62

DELAWARE, NEW JERSEY, and PENNSYLVANIA ESIMAP 62

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
126	Common tern				39			X	X	X	X	X						APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
131	Common tern				335			X	X	X	X	X						APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
134	Common tern				210			X	X	X	X	X						APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Herring gull				9	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
137	Common tern				420			X	X	X	X	X						APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Glossy ibis				10			X	X	X	X	X	X					MAR-SEP	APR-MAY	APR-JUN	JUL-SEP
	Great black-backed gull				4	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Great egret				20			X	X	X	X	X	X	X	X	X		JUN-JUL	-	-	-
	Herring gull				277	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Snowy egret				35				X	X	X	X	X	X				JUN-JUL	-	-	-
139	Common tern				490			X	X	X	X	X						APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Herring gull				12	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
219	Least tern	NJ	S	E					X	X	X	X	X					MAY-JUL	MAY-JUN	JUN-JUN	JUN-JUL
	Piping plover	NJ	S/F	E/T			X	X	X	X	X	X	X	X				APR-AUG	MAY-JUN	MAY-JUL	JUN-AUG
240	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					-	-	-	-
	Least tern	NJ	S	E				X	X	X	X	X	X					-	-	-	-
	Little blue heron								X	X	X	X	X	X	X	X		-	-	-	-
	Piping plover	NJ	S/F	E/T				X	X	X	X	X	X					-	-	-	-
403	American coot				700	X	X	X	X	X	X	X	X	X	X	X	X	MAY-MAY	MAY-JUN	JUN-JUL	AUG-SEP
	American wigeon				400	X	X	X							X	X	X	-	-	-	-
	Black duck				900	X	X										X	-	-	-	-
	Brant				1200	X	X	X							X	X	X	-	-	-	-
	Bufflehead				2400	X	X	X	X	X				X	X	X	X	-	-	-	-
	Canada goose				2100	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Canvasback				15000	X	X	X	X					X	X	X	X	-	-	-	-
	Goldeneye				500	X	X	X								X	X	-	-	-	-
	Green-winged teal				30	X	X	X							X	X	X	-	-	-	-
	Mallard				2900	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Merganser				610	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				1000	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	APR-MAY	MAY-JUN	SEP-OCT
	Oldsquaw				300	X	X	X	X						X	X	X	-	-	-	-
	Redhead				125	X	X	X							X	X	X	-	-	-	-
	Ring-necked duck				150	X	X	X	X	X				X	X	X	X	-	-	-	-
	Ruddy duck				300	X	X	X	X	X				X	X	X	X	-	-	-	-
	Scaup				7900	X	X	X								X	X	-	-	-	-
	Scoter				100									X	X	X	X	-	-	-	-
	Whistling swan (tundra swan)				400	X	X	X	X							X	X	-	-	-	-
404	American coot				25	X	X	X	X	X	X	X	X	X	X	X	X	MAY-MAY	MAY-JUN	JUN-JUL	AUG-SEP
	American wigeon				700	X	X	X							X	X	X	-	-	-	-
	Black duck				6200	X	X										X	-	-	-	-
	Brant				9000	X	X	X							X	X	X	-	-	-	-
	Bufflehead				20000	X	X	X	X	X				X	X	X	X	-	-	-	-
	Canada goose				4800	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Canvasback				4100	X	X	X	X					X	X	X	X	-	-	-	-
	Common eider				20	X	X	X							X	X	X	-	-	-	-
	Goldeneye				21000	X	X	X								X	X	-	-	-	-
	Green-winged teal				100	X	X	X							X	X	X	-	-	-	-
	Mallard				3600	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Merganser				2600	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				1100	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	APR-MAY	MAY-JUN	SEP-OCT
	Northern pintail				500	X	X	X	X					X	X	X	X	-	-	-	-
	Northern shoveler				100	X	X	X	X					X	X	X	X	-	-	-	-
	Oldsquaw				4100	X	X	X	X						X	X	X	-	-	-	-
	Redhead				200	X	X	X							X	X	X	-	-	-	-
	Ring-necked duck				900	X	X	X	X	X				X	X	X	X	-	-	-	-
	Ruddy duck				220	X	X	X	X	X				X	X	X	X	-	-	-	-
	Scaup				21000	X	X	X								X	X	-	-	-	-
	Scoter				700									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	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				-	-	APR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X				-	-	JUL-SEP
	Northern kingfish								X	X	X	X	X	X	X			-	-	-
	Porgy (scup)								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	X			-	-	MAR-OCT
	Black seabass								X	X	X	X	X	X	X			-	-	APR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X				-	-	JUL-SEP
	Northern kingfish								X	X	X	X	X	X	X			-	-	-
	Porgy (scup)								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
	White perch					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT
94	Alewife					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	Atlantic menhaden							X	X	X	X	X	X	X	X			-	-	MAR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X				-	-	JUL-SEP
	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
	White perch					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT
95	Alewife					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	Atlantic menhaden							X	X	X	X	X	X	X	X			-	-	MAR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X				-	-	JUL-SEP
	Seatrout (weakfish)							X	X	X	X	X	X	X	X	X		APR-AUG	-	APR-SEP
	Summer flounder								X	X	X	X	X	X	X	X		-	-	APR-NOV
	White perch					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT
99	Atlantic menhaden							X	X	X	X	X	X	X	X			-	-	MAR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X				-	-	JUL-SEP
	Seatrout (weakfish)							X	X	X	X	X	X	X	X	X		APR-AUG	-	APR-SEP
	White perch					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	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
240	Beach amaranth	NJ	S/F	E/T		X	X	X	X	X	X	X	X	X	X	X	X
	Salt marsh bulrush	NJ	S	E		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
94	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN
95	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN
99	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN