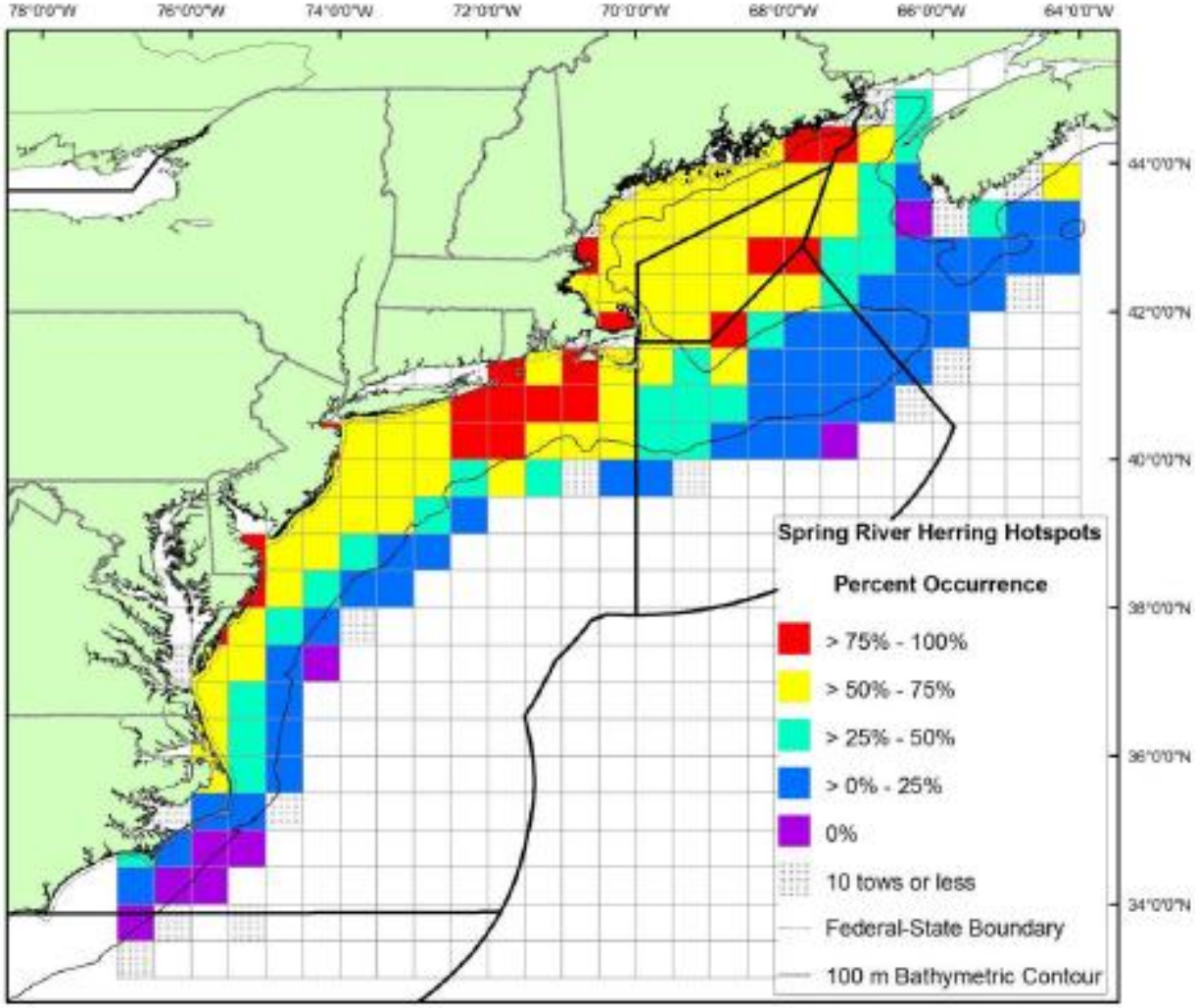


Figure A31: Percent occurrence of river herring in spring research surveys by statistical area ranked from lowest to highest (top). Map of corresponding river herring percent occurrence by quarter degree squares grouped from > 75% - 100% (red), > 50% - 75% (yellow), > 25% - 50% (aqua), > 0 - 25% (blue) and 0% (purple) (bottom). Source: Spring 1968-2008 NMFS bottom-trawl surveys.

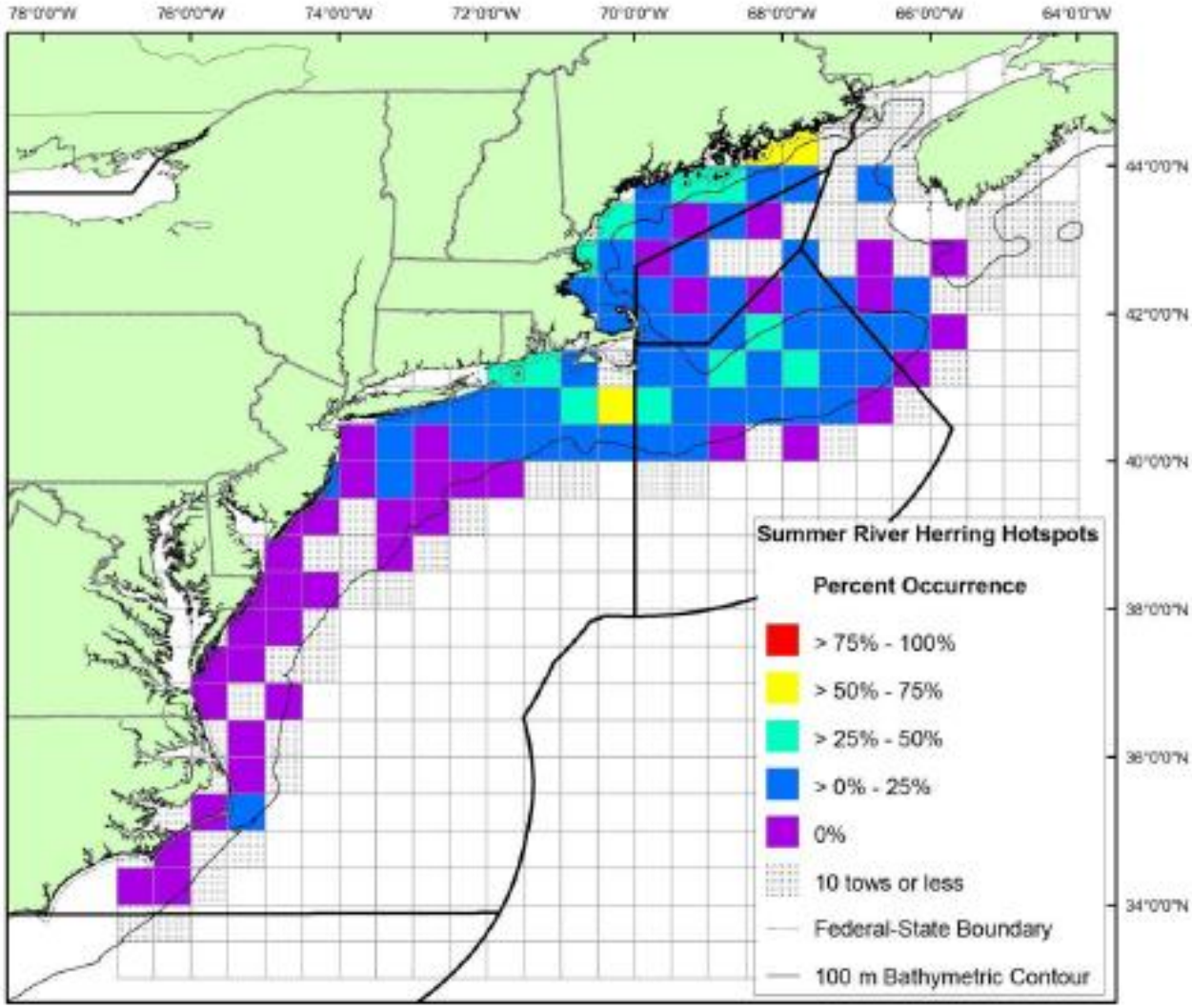


Figure A32: Percent occurrence of river herring in summer research surveys by statistical area ranked from lowest to highest (top). Map of corresponding river herring percent occurrence by quarter degree squares grouped from > 75% - 100% (red), > 50% - 75% (yellow), > 25% - 50% (aqua), > 0 - 25% (blue) and 0% (purple) (bottom). Source: Summer 1948-1995 NMFS bottom-trawl surveys.

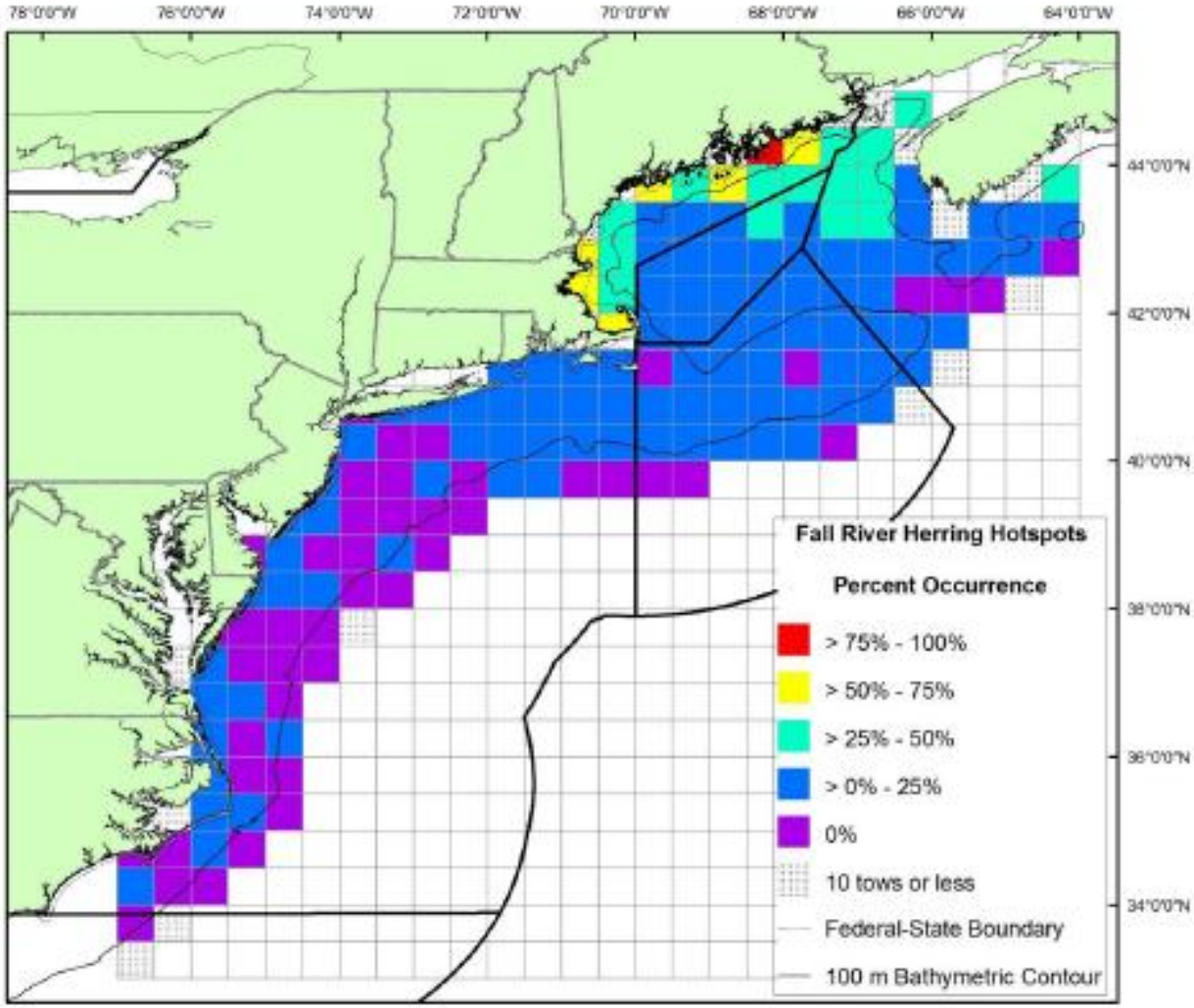
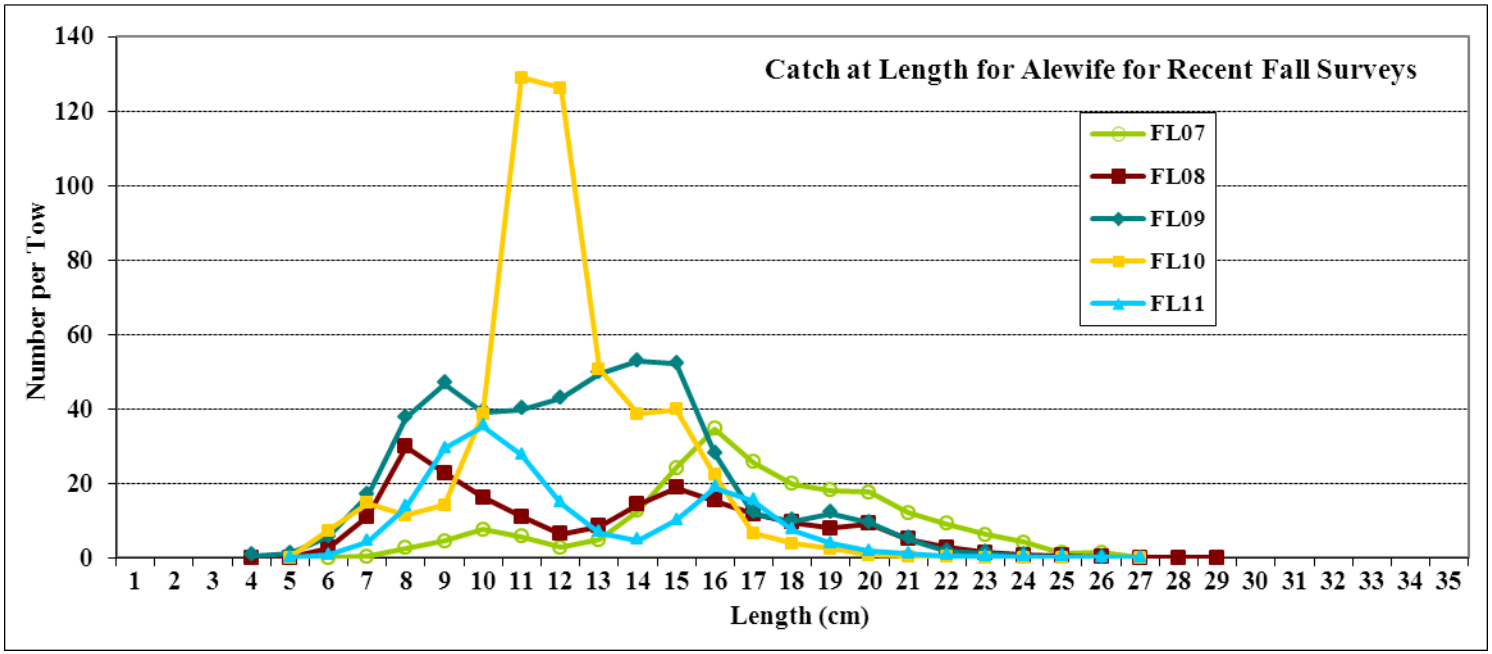
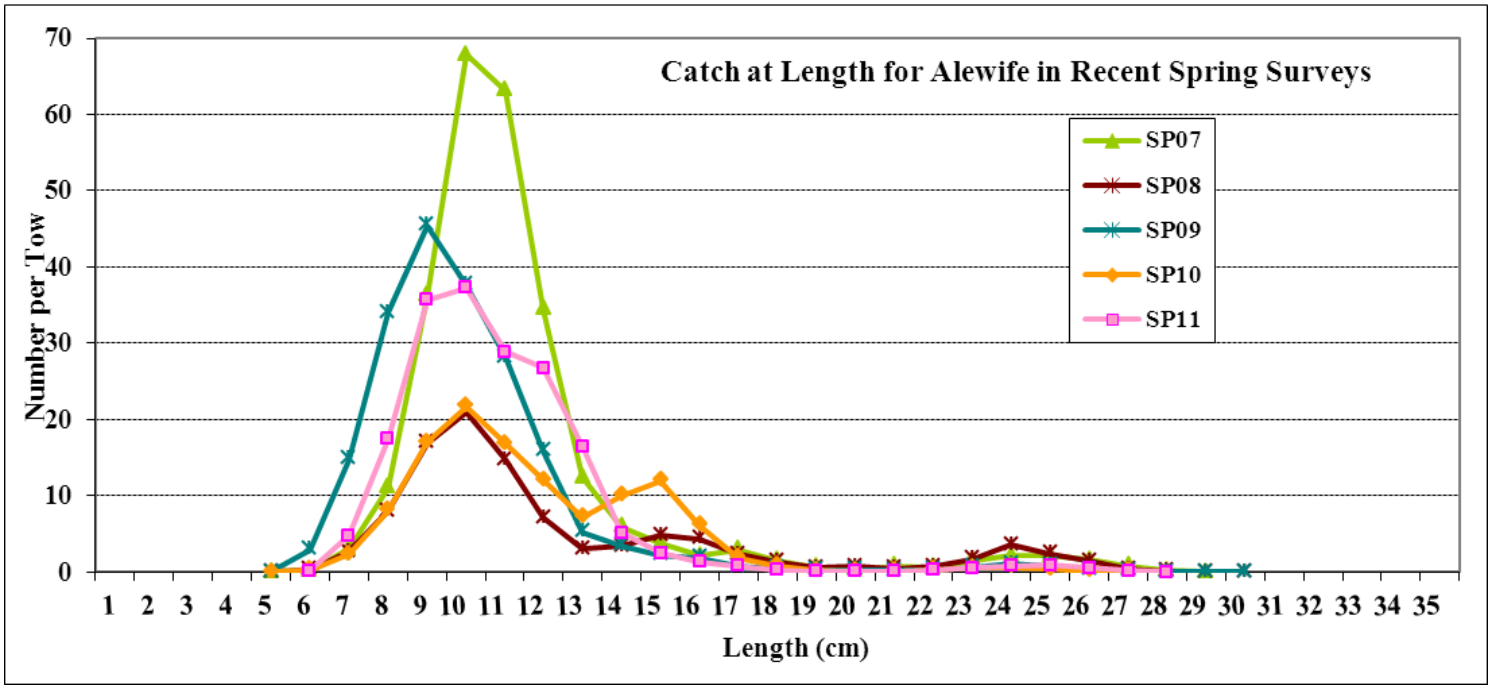
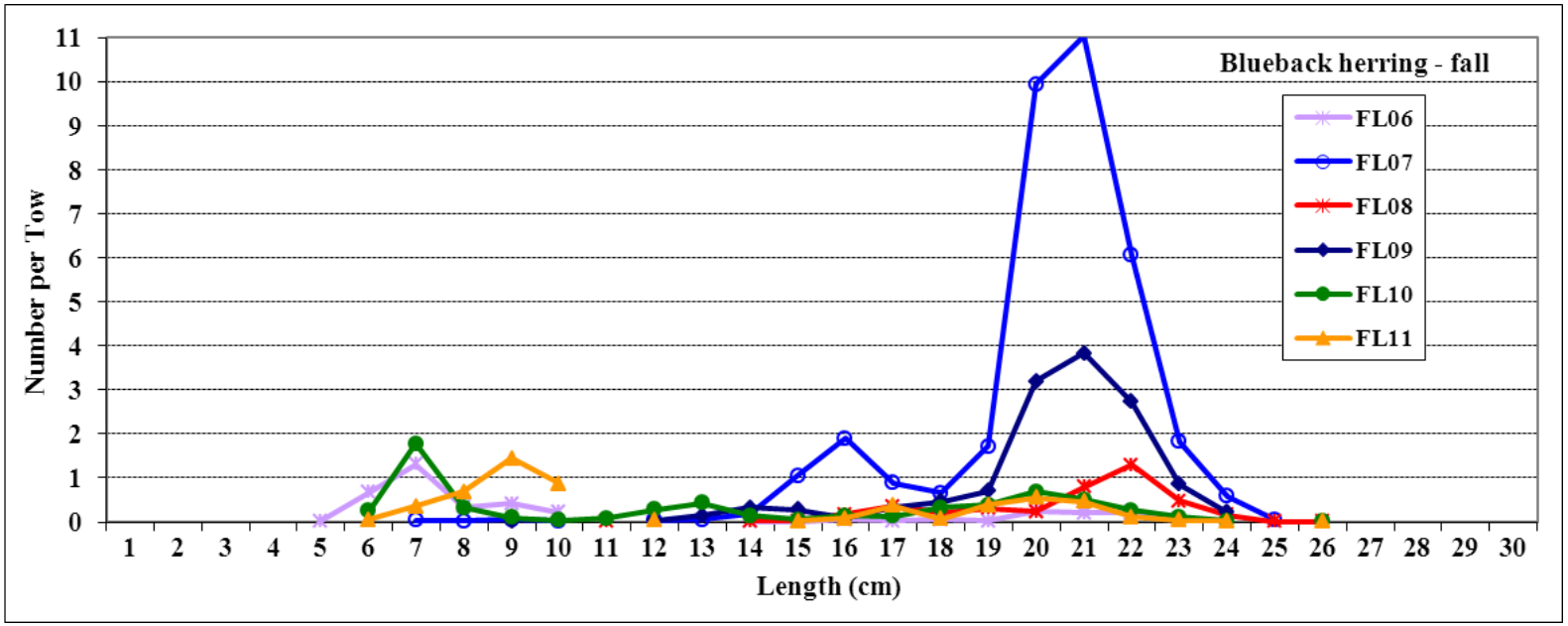
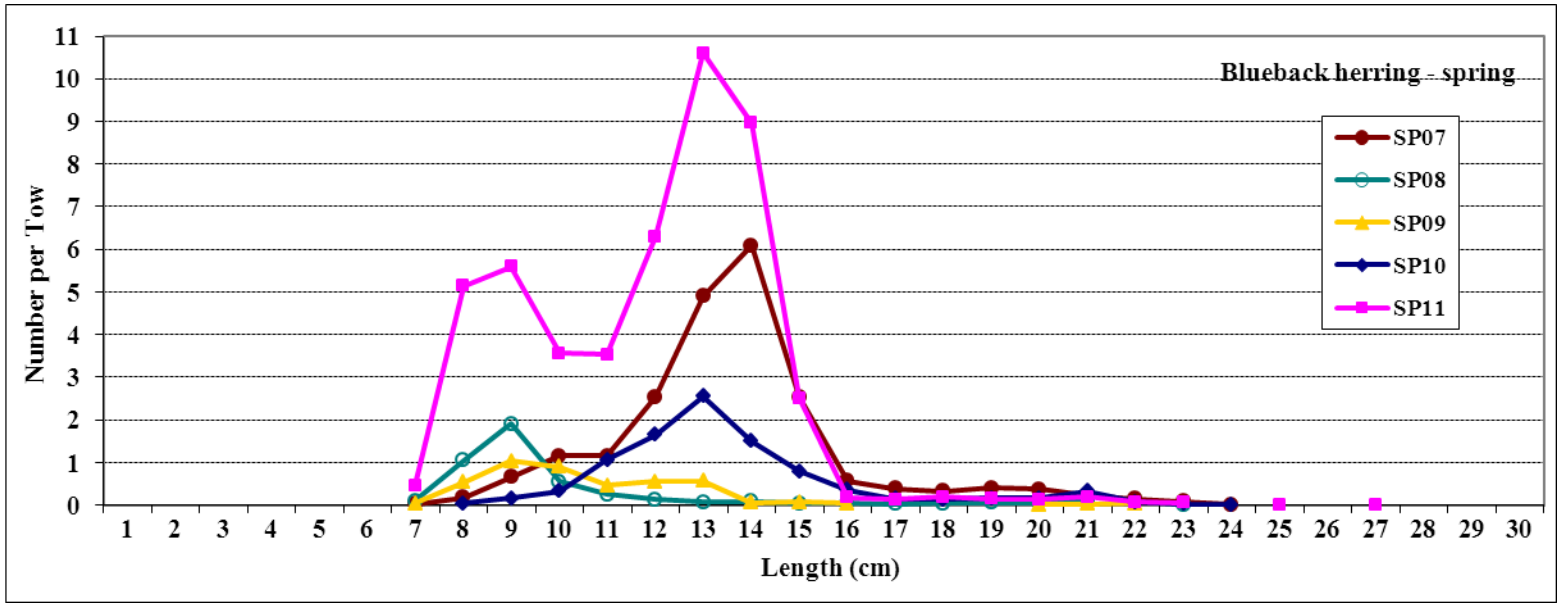


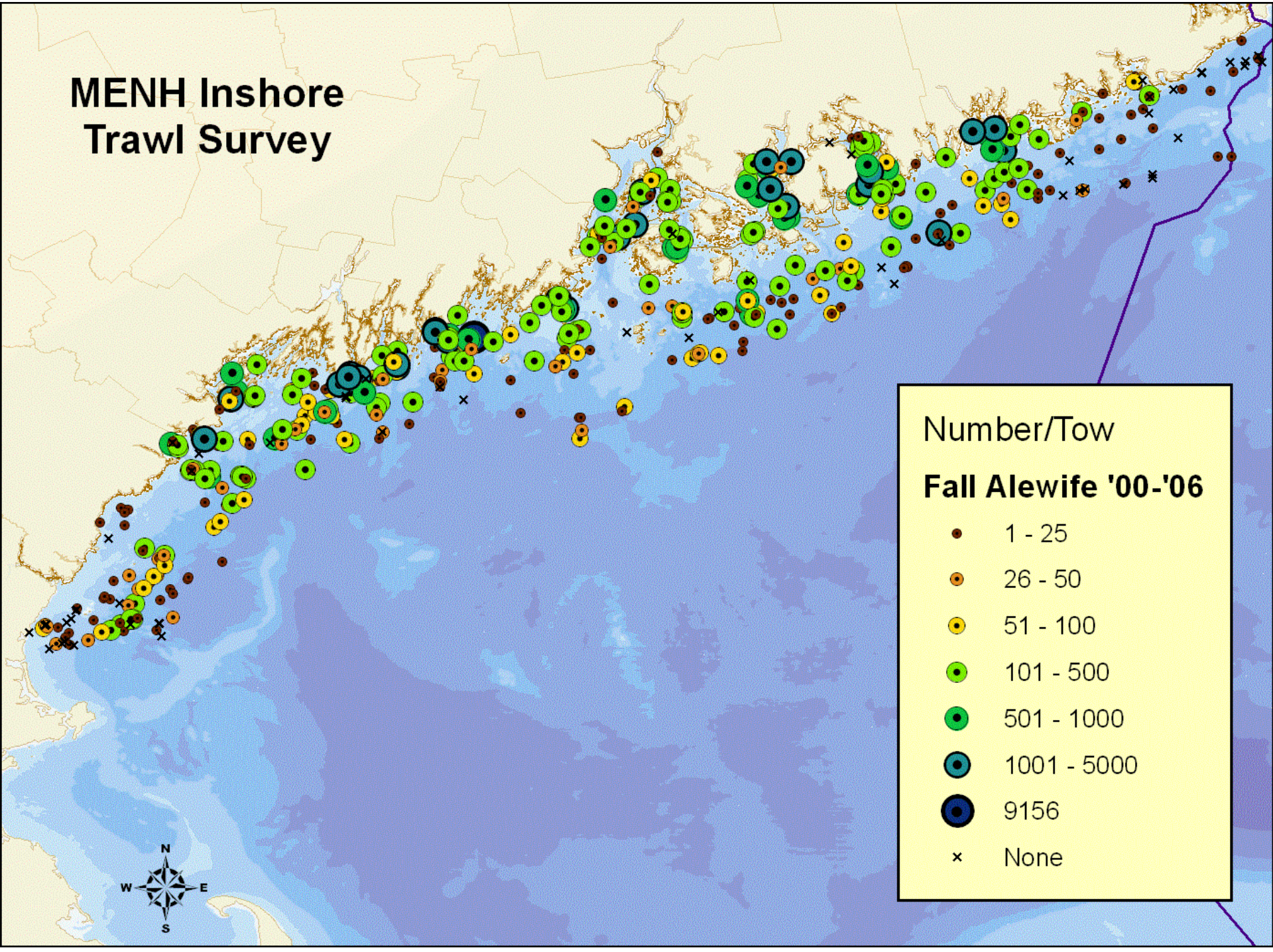
Figure A33: Percent occurrence of river herring in fall research surveys by statistical area ranked from lowest to highest (top). Map of corresponding river herring percent occurrence by quarter degree squares grouped from > 75% - 100% (red), > 50% - 75% (yellow), > 25% - 50% (aqua), > 0 - 25% (blue) and 0% (purple) (bottom). Source: Fall 1963-2008 NMFS bottom-trawl surveys.

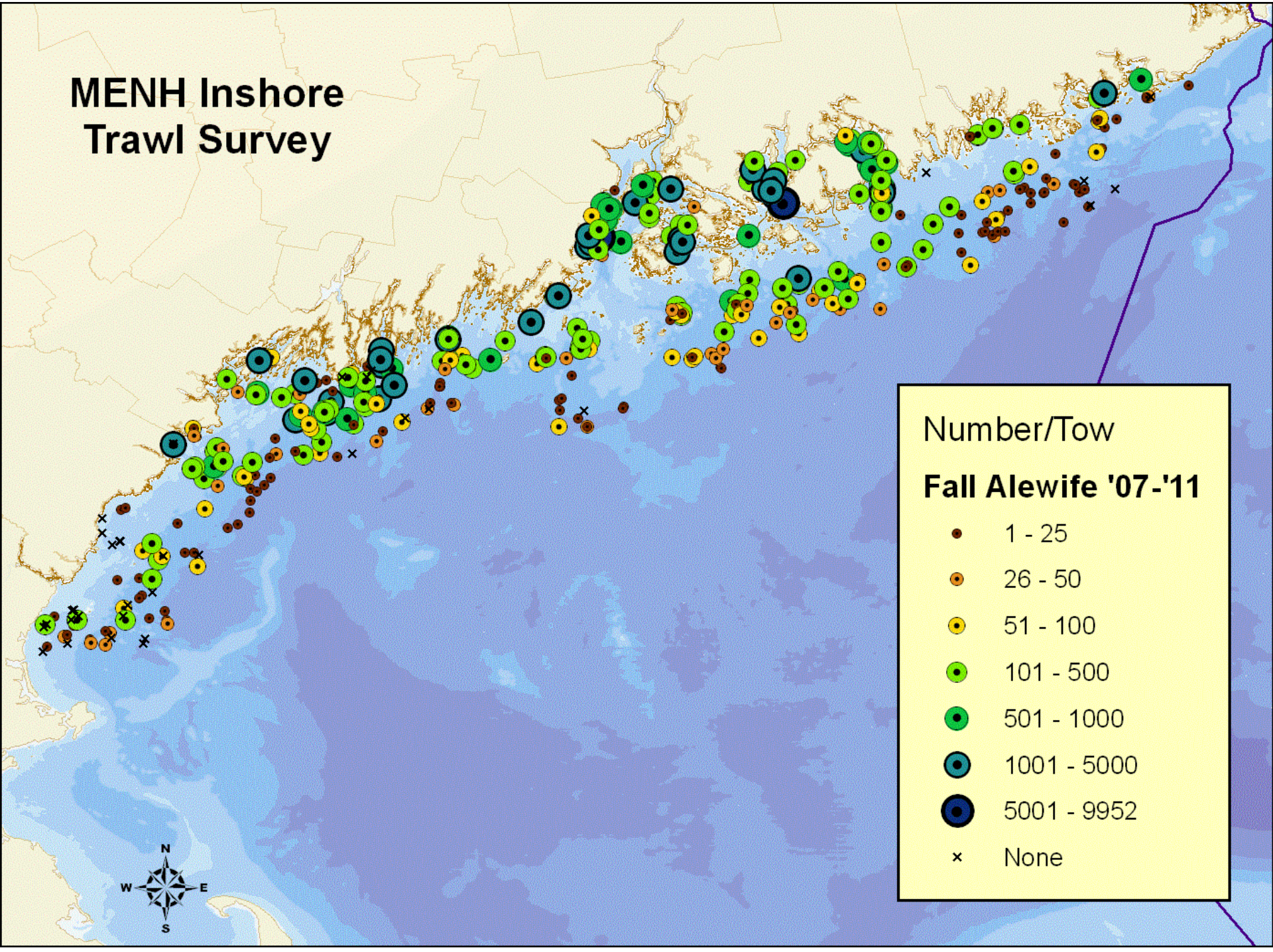

Catch at Length for Alewife for Recent Fall Surveys
FL07
FL08
FL09
FL10
FL11
Number per Tow
Length (cm)

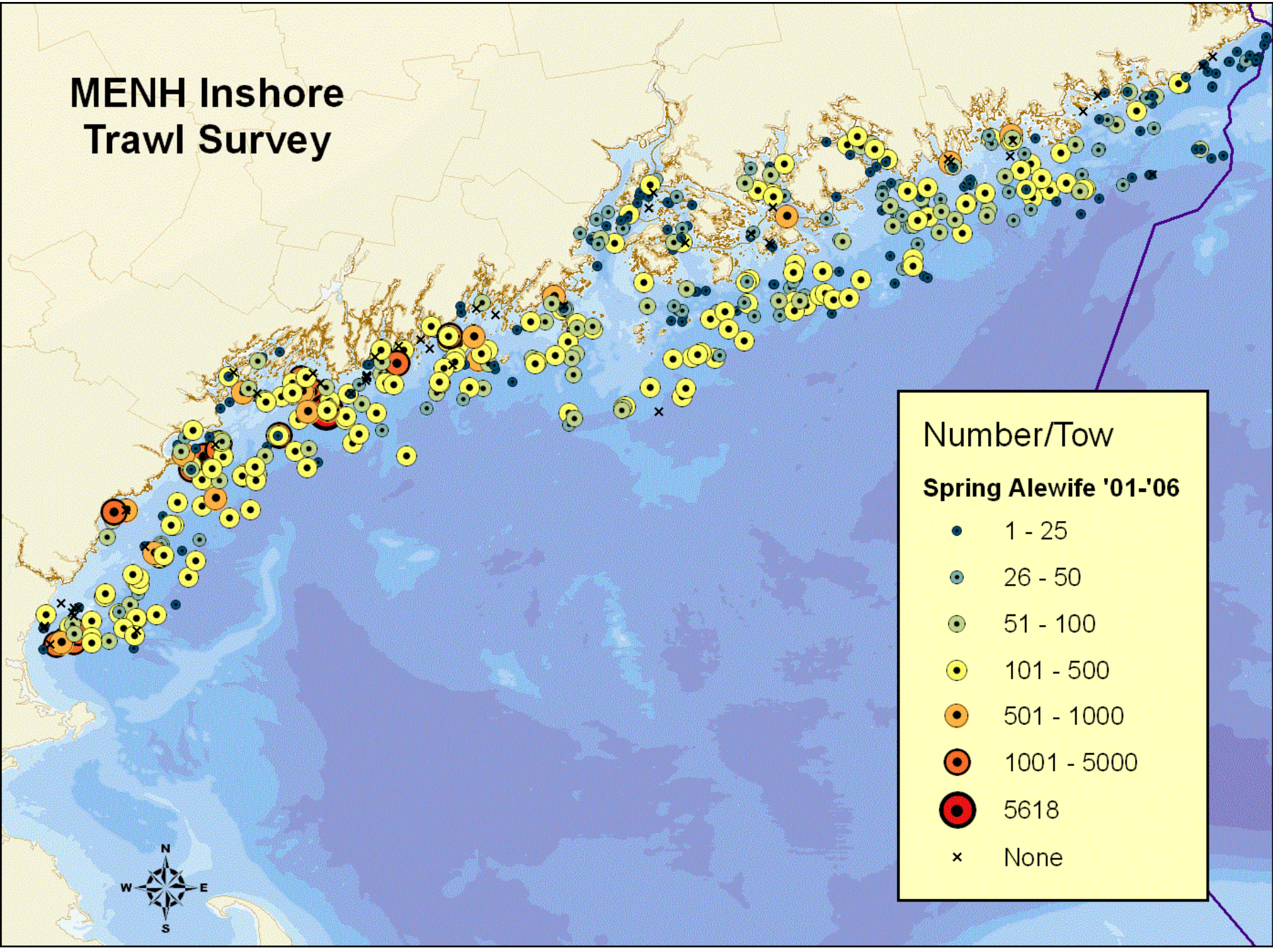

Catch at Length for Alewife in Recent Spring Surveys
SP07
SP08
SP09
SP10
SP11
Number per Tow
Length (cm)

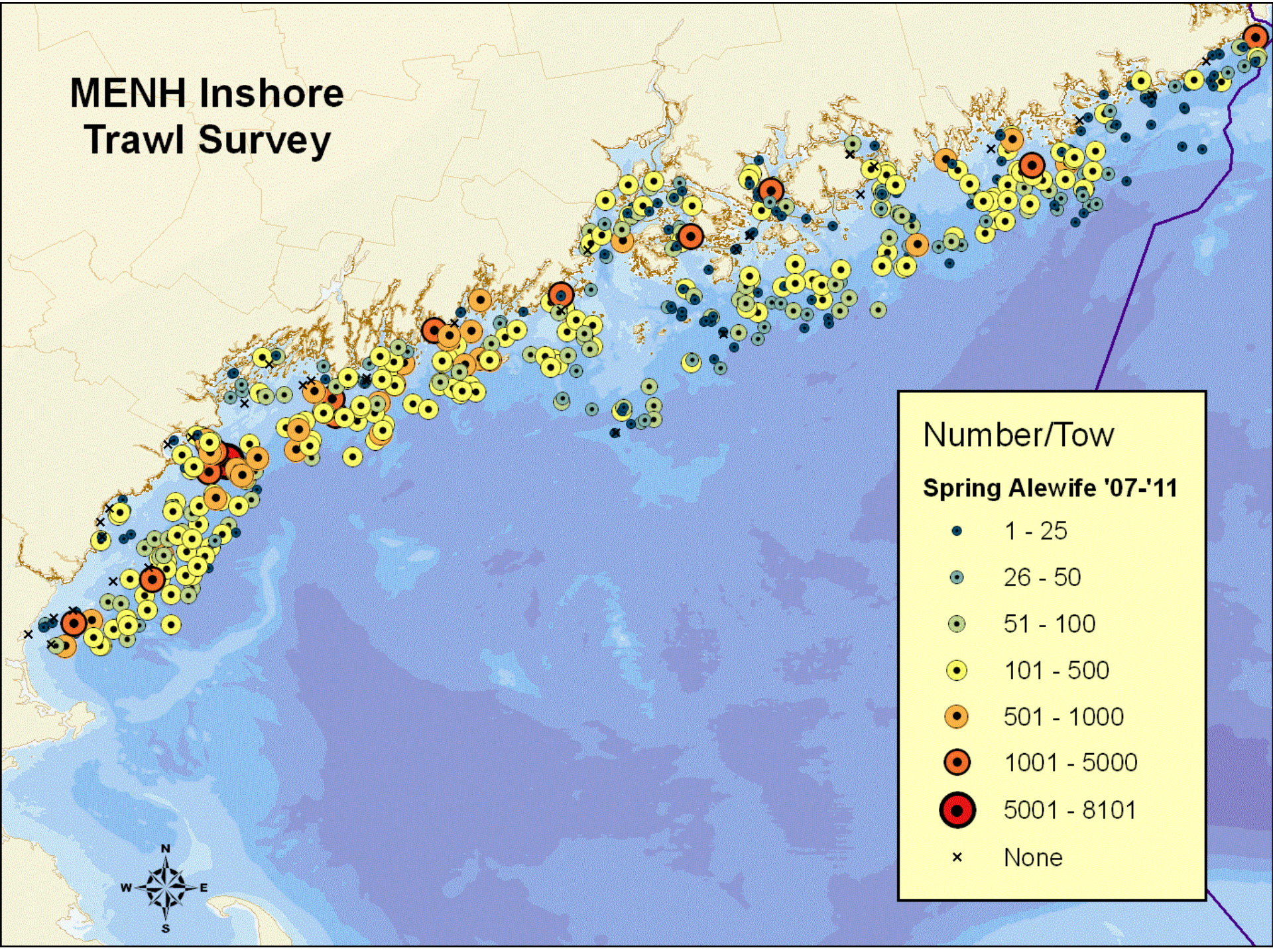

Blueback herring - fall
FL06
FL07
FL08
FL09
FL10
FL11
Number per Tow
Length (cm)

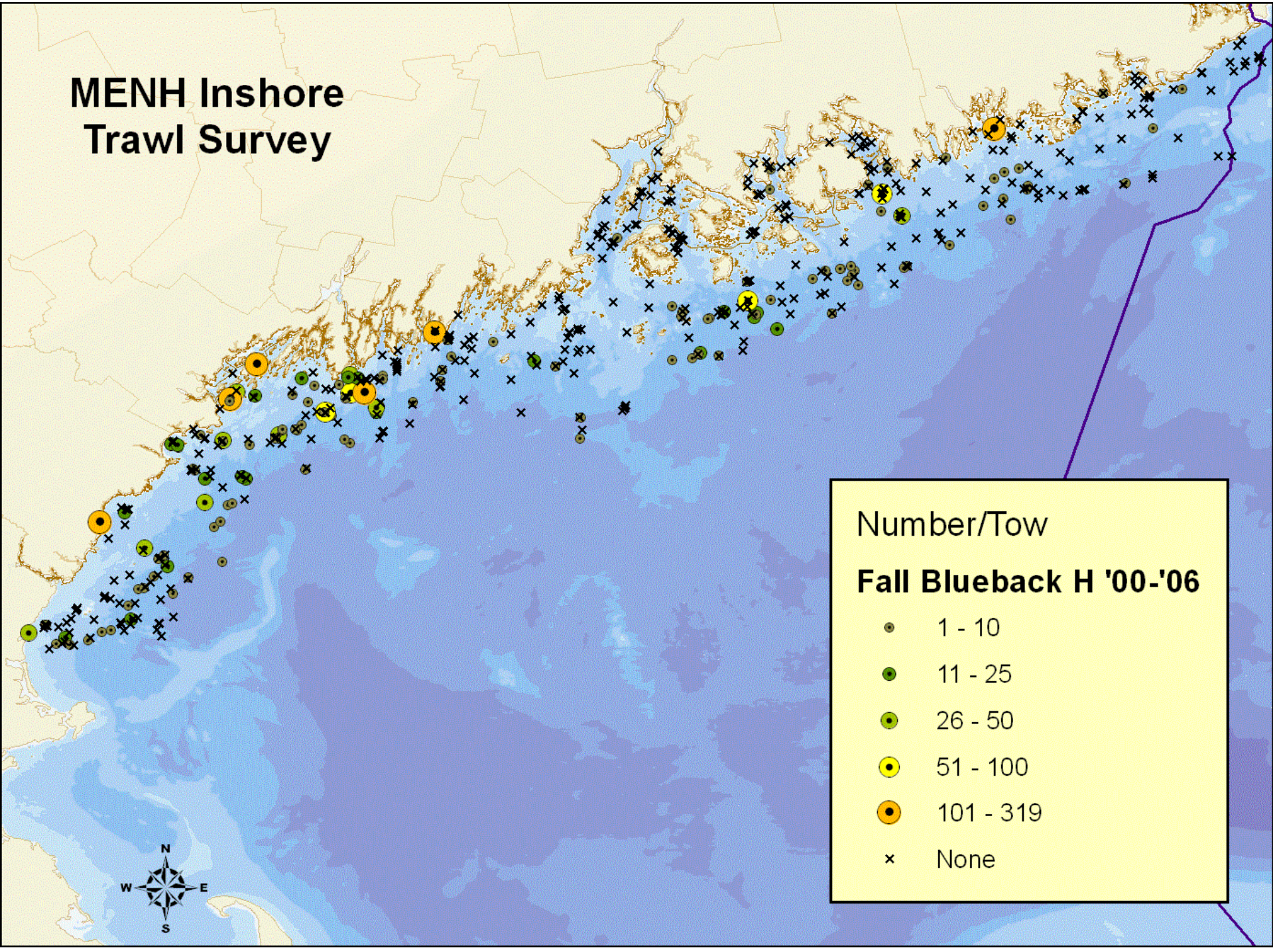

Blueback herring - spring
SP07
SP08
SP09
SP10
SP11
Number per Tow
Length (cm)

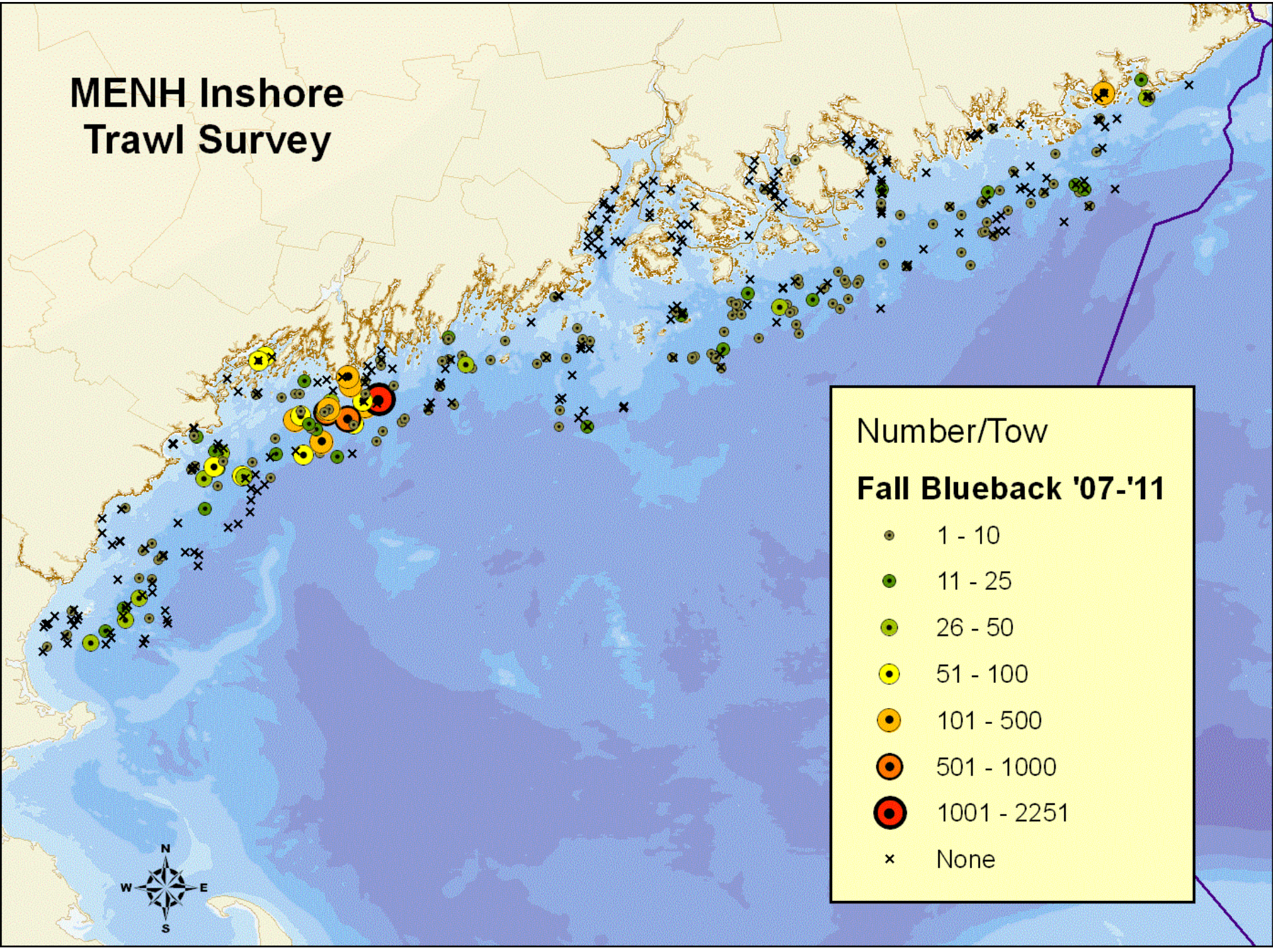

MENH Inshore
Trawl Survey
Number/Tow
Fall Alewife '00-'06
1 - 25
26 - 50
51 - 100
101 - 500
501 - 1000
1001 - 5000
9156
None
N
W
E
S

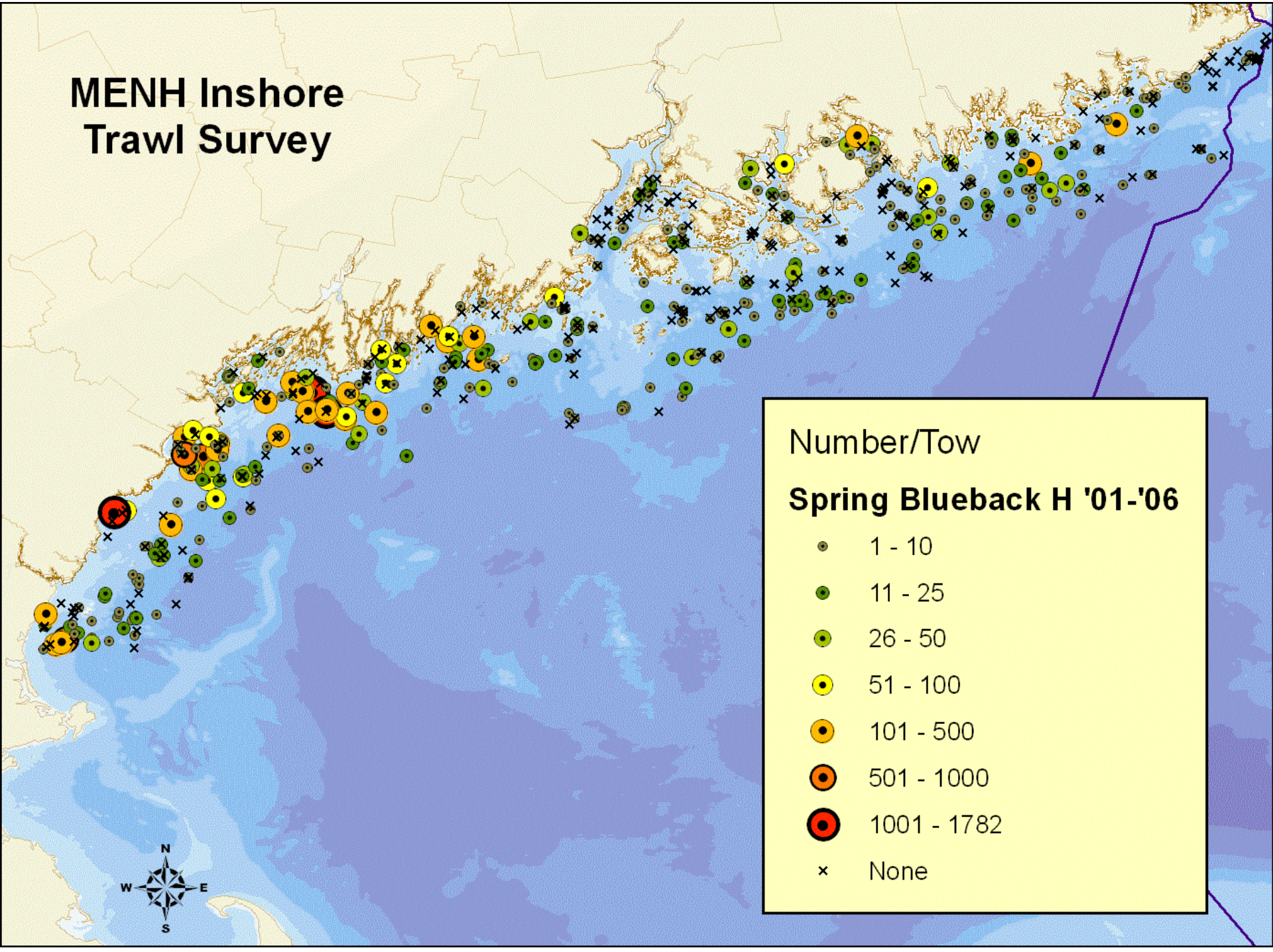

MENH Inshore
Trawl Survey
Number/Tow
Fall Alewife '07-'11
1 - 25
26 - 50
51 - 100
101 - 500
501 - 1000
1001 - 5000
5001 - 9952
None
N
W
E
S

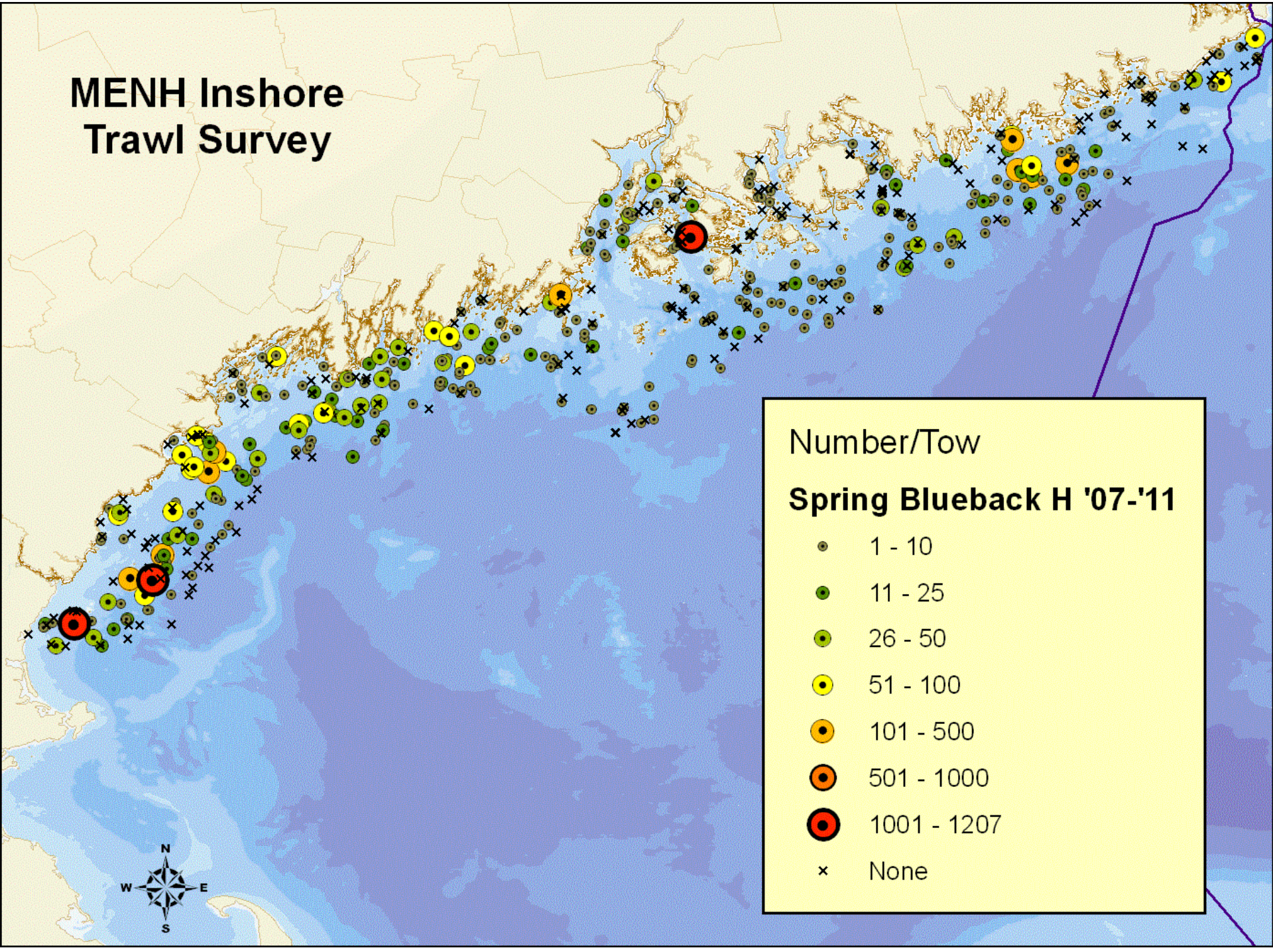

MENH Inshore
Trawl Survey
Number/Tow
Spring Alewife '01-'06
1 - 25
26 - 50
51 - 100
101 - 500
501 - 1000
1001 - 5000
5618
None
N
W
E
S

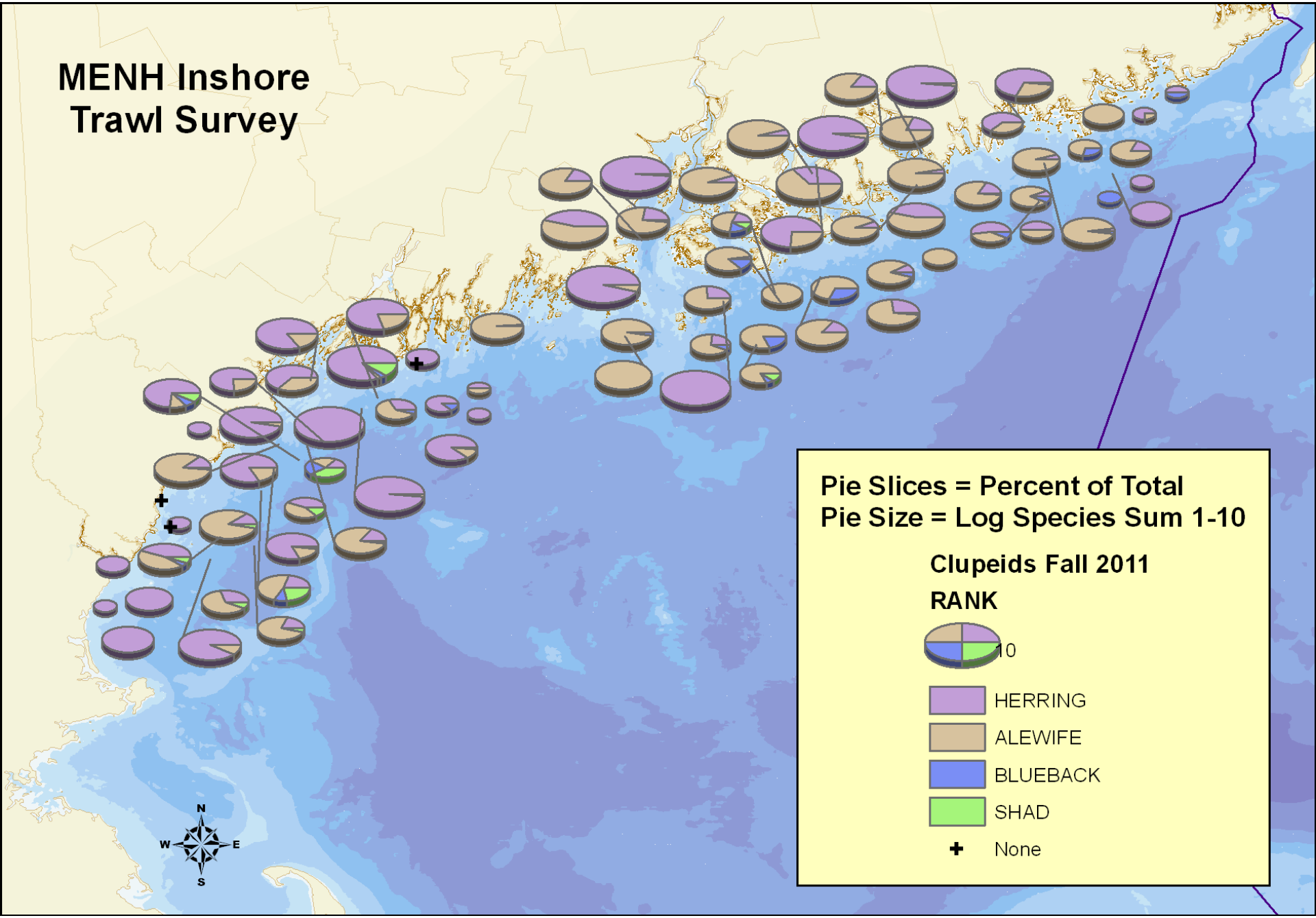

MENH Inshore
Trawl Survey
Number/Tow
Spring Alewife '07-'11
1 - 25
26 - 50
51 - 100
101 - 500
501 - 1000
1001 - 5000
5001 - 8101
None
N
W
E
S

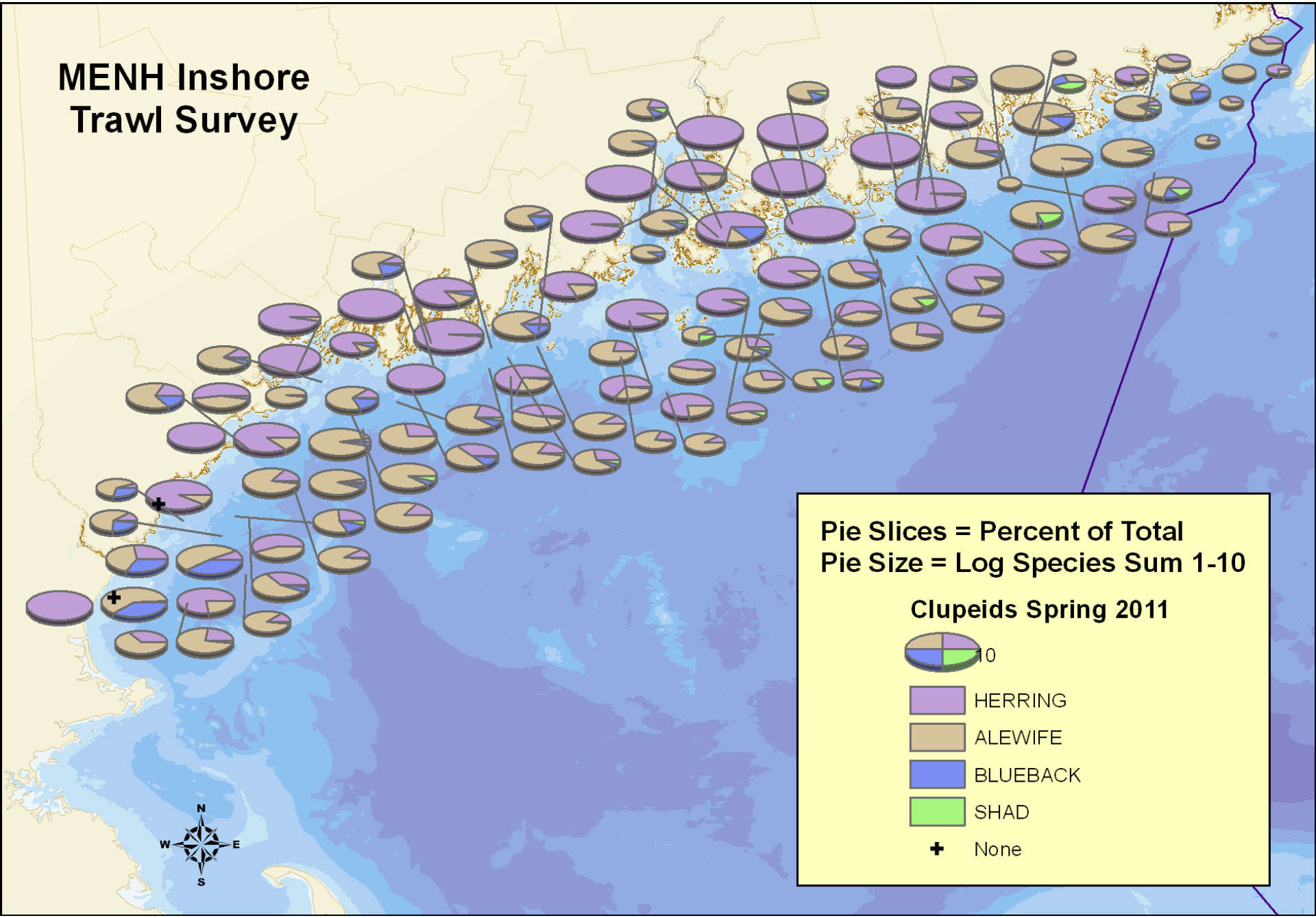

MENH Inshore
Trawl Survey
Number/Tow
Fall Blueback H '00-'06
1 - 10
11 - 25
26 - 50
51 - 100
101 - 319
None
N
W
E
S


MENH Inshore
Trawl Survey
Number/Tow
Fall Blueback '07-'11
1 - 10
11 - 25
26 - 50
51 - 100
101 - 500
501 - 1000
1001 - 2251
None
N
W
E
S


MENH Inshore
Trawl Survey
Number/Tow
Spring Blueback H '01-'06
1 - 10
11 - 25
26 - 50
51 - 100
101 - 500
501 - 1000
1001 - 1782
None
N
W
E
S


MENH Inshore
Trawl Survey
Number/Tow
Spring Blueback H '07-'11
1 - 10
11 - 25
26 - 50
51 - 100
101 - 500
501 - 1000
1001 - 1207
None
N
W
E
S


MENH Inshore
Trawl Survey
Pie Slices = Percent of Total
Pie Size = Log Species Sum 1-10
Clupeids Fall 2011
RANK
10
HERRING
ALEWIFE
BLUEBACK
SHAD
None
N
W
E
S


MENH Inshore
Trawl Survey
Pie Slices = Percent of Total
Pie Size = Log Species Sum 1-10
Clupeids Spring 2011
10
HERRING
ALEWIFE
BLUEBACK
SHAD
None
N
W
E
S