Appendix C

Maps of predicted relative density and its coefficient of variation (CV) for each species and season modeled

List of Maps

Arctic Tern (ARTE) summer relative density 1
Arctic Tern (ARTE) summer CV 2
Atlantic Puffin (ATPU) spring relative density 3
Atlantic Puffin (ATPU) spring CV 4
Atlantic Puffin (ATPU) summer relative density 5
Atlantic Puffin (ATPU) summer CV 6
Atlantic Puffin (ATPU) fall relative density 7
Atlantic Puffin (ATPU) fall CV 8
Atlantic Puffin (ATPU) winter relative density 9
Atlantic Puffin (ATPU) winter CV 10
Audubon's Shearwater (AUSH) spring relative density 11
Audubon's Shearwater (AUSH) spring CV 12
Audubon's Shearwater (AUSH) summer relative density 13
Audubon's Shearwater (AUSH) summer CV 14
Audubon's Shearwater (AUSH) fall relative density 15
Audubon's Shearwater (AUSH) fall CV 16
Audubon's Shearwater (AUSH) winter relative density 17
Audubon's Shearwater (AUSH) winter CV 18
Black-capped Petrel (BCPE) spring relative density 19
Black-capped Petrel (BCPE) spring CV 20
Black-capped Petrel (BCPE) summer relative density 21
Black-capped Petrel (BCPE) summer CV 22
Black-capped Petrel (BCPE) fall relative density 23
Black-capped Petrel (BCPE) fall CV 24
Black-capped Petrel (BCPE) winter relative density 25
Black-capped Petrel (BCPE) winter CV 26
Black Guillemot (BLGU) summer relative density 27
Black Guillemot (BLGU) summer CV 28
Black-legged Kittiwake (BLKI) spring relative density 29
Black-legged Kittiwake (BLKI) spring CV 30
Black-legged Kittiwake (BLKI) fall relative density 31
Black-legged Kittiwake (BLKI) fall CV 32
Black-legged Kittiwake (BLKI) winter relative density 33
Black-legged Kittiwake (BLKI) winter CV 34
Black Scoter (BLSC) spring relative density 35
Black Scoter (BLSC) spring CV 36
Black Scoter (BLSC) fall relative density 37
Black Scoter (BLSC) fall CV 38
Black Scoter (BLSC) winter relative density 39
Black Scoter (BLSC) winter CV 40
Bonaparte's Gull (BOGU) spring relative density 41
Bonaparte's Gull (BOGU) spring CV 42
Bonaparte's Gull (BOGU) fall relative density 43
Bonaparte's Gull (BOGU) fall CV 44
Bonaparte's Gull (BOGU) winter relative density 45
Bonaparte's Gull (BOGU) winter CV 46
Brown Pelican (BRPE) spring relative density 47

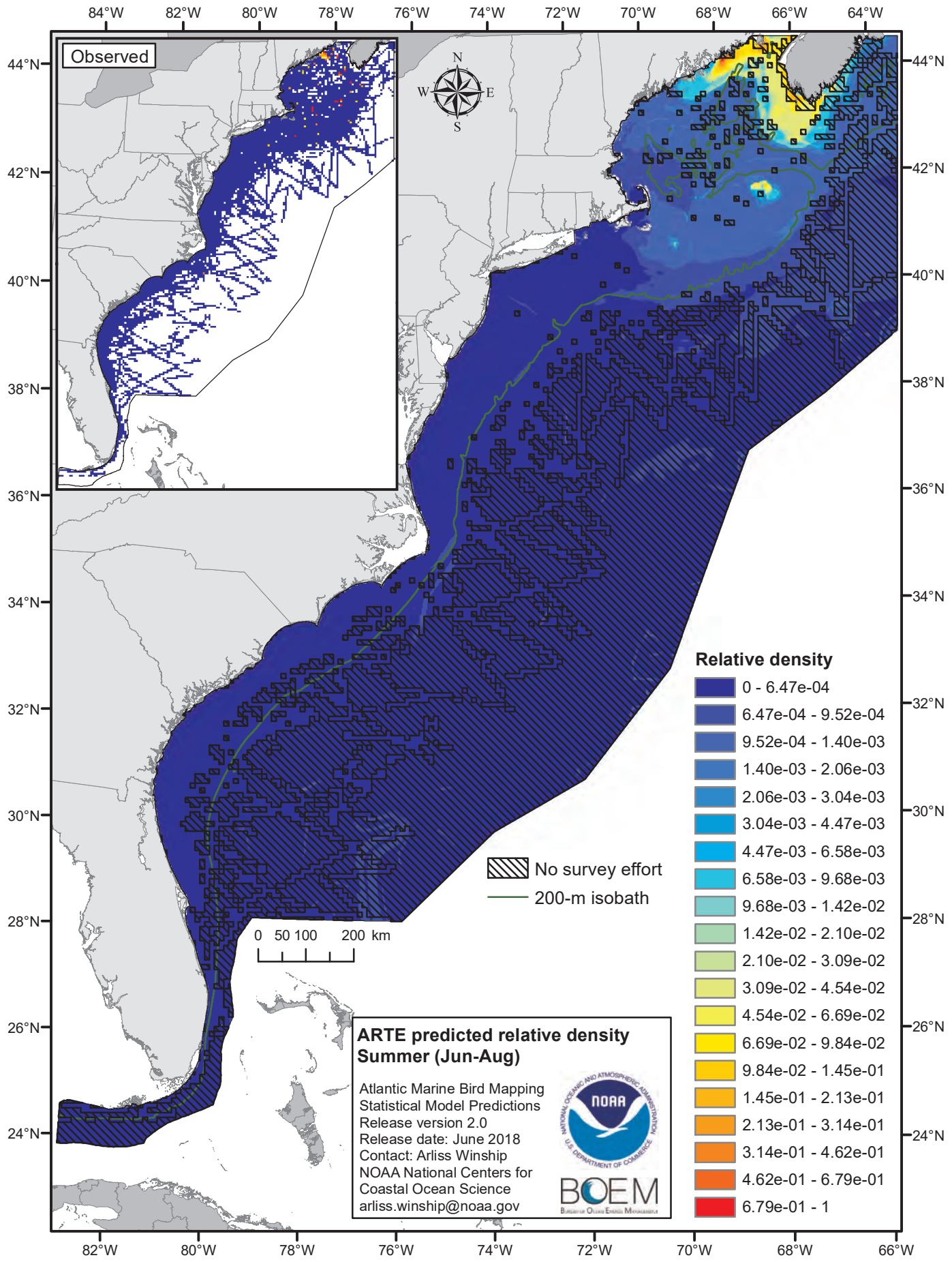
Brown Pelican (BRPE) spring CV 48
Brown Pelican (BRPE) summer relative density 49
Brown Pelican (BRPE) summer CV 50
Brown Pelican (BRPE) fall relative density 51
Brown Pelican (BRPE) fall CV 52
Brown Pelican (BRPE) winter relative density 53
Brown Pelican (BRPE) winter CV 54
Band-rumped Storm-Petrel (BRSP) summer relative density 55
Band-rumped Storm-Petrel (BRSP) summer CV 56
Bridled Tern (BRTE) summer relative density 57
Bridled Tern (BRTE) summer CV 58
Bridled Tern (BRTE) fall relative density 59
Bridled Tern (BRTE) fall CV 60
Common Eider (COEI) spring relative density 61
Common Eider (COEI) spring CV 62
Common Eider (COEI) summer relative density 63
Common Eider (COEI) summer CV 64
Common Eider (COEI) fall relative density 65
Common Eider (COEI) fall CV 66
Common Eider (COEI) winter relative density 67
Common Eider (COEI) winter CV 68
Common Loon (COLO) spring relative density 69
Common Loon (COLO) spring CV 70
Common Loon (COLO) summer relative density 71
Common Loon (COLO) summer CV 72
Common Loon (COLO) fall relative density 73
Common Loon (COLO) fall CV 74
Common Loon (COLO) winter relative density 75
Common Loon (COLO) winter CV 76
Common Murre (COMU) spring relative density 77
Common Murre (COMU) spring CV 78
Common Murre (COMU) winter relative density 79
Common Murre (COMU) winter CV 80
Cory's Shearwater (COSH) spring relative density 81
Cory's Shearwater (COSH) spring CV 82
Cory's Shearwater (COSH) summer relative density 83
Cory's Shearwater (COSH) summer CV 84
Cory's Shearwater (COSH) fall relative density 85
Cory's Shearwater (COSH) fall CV 86
Common Tern (COTE) spring relative density 87
Common Tern (COTE) spring CV 88
Common Tern (COTE) summer relative density 89
Common Tern (COTE) summer CV 90
Common Tern (COTE) fall relative density 91
Common Tern (COTE) fall CV 92
Double-crested Cormorant (DCCO) spring relative density 93
Double-crested Cormorant (DCCO) spring CV 94
Double-crested Cormorant (DCCO) summer relative density 95
Double-crested Cormorant (DCCO) summer CV 96
Double-crested Cormorant (DCCO) fall relative density 97

Double-crested Cormorant (DCCO) fall CV 98
Double-crested Cormorant (DCCO) winter relative density 99
Double-crested Cormorant (DCCO) winter CV 100
Dovekie (DOVE) spring relative density 101
Dovekie (DOVE) spring CV 102
Dovekie (DOVE) summer relative density 103
Dovekie (DOVE) summer CV 104
Dovekie (DOVE) fall relative density 105
Dovekie (DOVE) fall CV 106
Dovekie (DOVE) winter relative density 107
Dovekie (DOVE) winter CV 108
Great Black-backed Gull (GBBG) spring relative density 109
Great Black-backed Gull (GBBG) spring CV 110
Great Black-backed Gull (GBBG) summer relative density 111
Great Black-backed Gull (GBBG) summer CV 112
Great Black-backed Gull (GBBG) fall relative density 113
Great Black-backed Gull (GBBG) fall CV 114
Great Black-backed Gull (GBBG) winter relative density 115
Great Black-backed Gull (GBBG) winter CV 116
Great Shearwater (GRSH) spring relative density 117
Great Shearwater (GRSH) spring CV 118
Great Shearwater (GRSH) summer relative density 119
Great Shearwater (GRSH) summer CV 120
Great Shearwater (GRSH) fall relative density 121
Great Shearwater (GRSH) fall CV 122
Great Shearwater (GRSH) winter relative density 123
Great Shearwater (GRSH) winter CV 124
Great Skua (GRSK) fall relative density 125
Great Skua (GRSK) fall CV 126
Herring Gull (HERG) spring relative density 127
Herring Gull (HERG) spring CV 128
Herring Gull (HERG) summer relative density 129
Herring Gull (HERG) summer CV 130
Herring Gull (HERG) fall relative density 131
Herring Gull (HERG) fall CV 132
Herring Gull (HERG) winter relative density 133
Herring Gull (HERG) winter CV 134
Horned Grebe (HOGR) winter relative density 135
Horned Grebe (HOGR) winter CV 136
Laughing Gull (LAGU) spring relative density 137
Laughing Gull (LAGU) spring CV 138
Laughing Gull (LAGU) summer relative density 139
Laughing Gull (LAGU) summer CV 140
Laughing Gull (LAGU) fall relative density 141
Laughing Gull (LAGU) fall CV 142
Laughing Gull (LAGU) winter relative density 143
Laughing Gull (LAGU) winter CV 144
Leach's Storm-Petrel (LESP) spring relative density 145
Leach's Storm-Petrel (LESP) spring CV 146
Leach's Storm-Petrel (LESP) summer relative density 147

Leach's Storm-Petrel (LESP) summer CV 148
Leach's Storm-Petrel (LESP) fall relative density 149
Leach's Storm-Petrel (LESP) fall CV 150
Least Tern (LETE) summer relative density 151
Least Tern (LETE) summer CV 152
Least Tern (LETE) fall relative density 153
Least Tern (LETE) fall CV 154
Long-tailed Duck (LTDU) spring relative density 155
Long-tailed Duck (LTDU) spring CV 156
Long-tailed Duck (LTDU) fall relative density 157
Long-tailed Duck (LTDU) fall CV 158
Long-tailed Duck (LTDU) winter relative density 159
Long-tailed Duck (LTDU) winter CV 160
Manx Shearwater (MASH) spring relative density 161
Manx Shearwater (MASH) spring CV 162
Manx Shearwater (MASH) summer relative density 163
Manx Shearwater (MASH) summer CV 164
Manx Shearwater (MASH) fall relative density 165
Manx Shearwater (MASH) fall CV 166
Northern Fulmar (NOFU) spring relative density 167
Northern Fulmar (NOFU) spring CV 168
Northern Fulmar (NOFU) summer relative density 169
Northern Fulmar (NOFU) summer CV 170
Northern Fulmar (NOFU) fall relative density 171
Northern Fulmar (NOFU) fall CV 172
Northern Fulmar (NOFU) winter relative density 173
Northern Fulmar (NOFU) winter CV 174
Northern Gannet (NOGA) spring relative density 175
Northern Gannet (NOGA) spring CV 176
Northern Gannet (NOGA) summer relative density 177
Northern Gannet (NOGA) summer CV 178
Northern Gannet (NOGA) fall relative density 179
Northern Gannet (NOGA) fall CV 180
Northern Gannet (NOGA) winter relative density 181
Northern Gannet (NOGA) winter CV 182
Parasitic Jaeger (PAJA) spring relative density 183
Parasitic Jaeger (PAJA) spring CV 184
Parasitic Jaeger (PAJA) summer relative density 185
Parasitic Jaeger (PAJA) summer CV 186
Parasitic Jaeger (PAJA) fall relative density 187
Parasitic Jaeger (PAJA) fall CV 188
Pomarine Jaeger (POJA) spring relative density 189
Pomarine Jaeger (POJA) spring CV 190
Pomarine Jaeger (POJA) summer relative density 191
Pomarine Jaeger (POJA) summer CV 192
Pomarine Jaeger (POJA) fall relative density 193
Pomarine Jaeger (POJA) fall CV 194
Razorbill (RAZO) spring relative density 195
Razorbill (RAZO) spring CV 196
Razorbill (RAZO) summer relative density 197

Razorbill (RAZO) summer CV 198
Razorbill (RAZO) fall relative density 199
Razorbill (RAZO) fall CV 200
Razorbill (RAZO) winter relative density 201
Razorbill (RAZO) winter CV 202
Ring-billed Gull (RBGU) spring relative density 203
Ring-billed Gull (RBGU) spring CV 204
Ring-billed Gull (RBGU) summer relative density 205
Ring-billed Gull (RBGU) summer CV 206
Ring-billed Gull (RBGU) fall relative density 207
Ring-billed Gull (RBGU) fall CV 208
Ring-billed Gull (RBGU) winter relative density 209
Ring-billed Gull (RBGU) winter CV 210
Red-breasted Merganser (RBME) spring relative density 211
Red-breasted Merganser (RBME) spring CV 212
Red-breasted Merganser (RBME) winter relative density 213
Red-breasted Merganser (RBME) winter CV 214
Red Phalarope (REPH) spring relative density 215
Red Phalarope (REPH) spring CV 216
Red Phalarope (REPH) summer relative density 217
Red Phalarope (REPH) summer CV 218
Red Phalarope (REPH) fall relative density 219
Red Phalarope (REPH) fall CV 220
Red-necked Phalarope (RNPH) spring relative density 221
Red-necked Phalarope (RNPH) spring CV 222
Red-necked Phalarope (RNPH) summer relative density 223
Red-necked Phalarope (RNPH) summer CV 224
Red-necked Phalarope (RNPH) fall relative density 225
Red-necked Phalarope (RNPH) fall CV 226
Roseate Tern (ROST) spring relative density 227
Roseate Tern (ROST) spring CV 228
Roseate Tern (ROST) summer relative density 229
Roseate Tern (ROST) summer CV 230
Roseate Tern (ROST) fall relative density 231
Roseate Tern (ROST) fall CV 232
Royal Tern (ROYT) spring relative density 233
Royal Tern (ROYT) spring CV 234
Royal Tern (ROYT) summer relative density 235
Royal Tern (ROYT) summer CV 236
Royal Tern (ROYT) fall relative density 237
Royal Tern (ROYT) fall CV 238
Red-throated Loon (RTLO) spring relative density 239
Red-throated Loon (RTLO) spring CV 240
Red-throated Loon (RTLO) fall relative density 241
Red-throated Loon (RTLO) fall CV 242
Red-throated Loon (RTLO) winter relative density 243
Red-throated Loon (RTLO) winter CV 244
Sooty Shearwater (SOSH) spring relative density 245
Sooty Shearwater (SOSH) spring CV 246
Sooty Shearwater (SOSH) summer relative density 247

Sooty Shearwater (SOSH) summer CV 248
Sooty Shearwater (SOSH) fall relative density 249
Sooty Shearwater (SOSH) fall CV 250
Sooty Tern (SOTE) spring relative density 251
Sooty Tern (SOTE) spring CV 252
Sooty Tern (SOTE) summer relative density 253
Sooty Tern (SOTE) summer CV 254
South Polar Skua (SPSK) summer relative density 255
South Polar Skua (SPSK) summer CV 256
South Polar Skua (SPSK) fall relative density 257
South Polar Skua (SPSK) fall CV 258
Surf Scoter (SUSC) spring relative density 259
Surf Scoter (SUSC) spring CV 260
Surf Scoter (SUSC) fall relative density 261
Surf Scoter (SUSC) fall CV 262
Surf Scoter (SUSC) winter relative density 263
Surf Scoter (SUSC) winter CV 264
Thick-billed Murre (TBMU) spring relative density 265
Thick-billed Murre (TBMU) spring CV 266
Thick-billed Murre (TBMU) winter relative density 267
Thick-billed Murre (TBMU) winter CV 268
Wilson's Storm-Petrel (WISP) spring relative density 269
Wilson's Storm-Petrel (WISP) spring CV 270
Wilson's Storm-Petrel (WISP) summer relative density 271
Wilson's Storm-Petrel (WISP) summer CV 272
Wilson's Storm-Petrel (WISP) fall relative density 273
Wilson's Storm-Petrel (WISP) fall CV 274
White-winged Scoter (WWSC) spring relative density 275
White-winged Scoter (WWSC) spring CV 276
White-winged Scoter (WWSC) fall relative density 277
White-winged Scoter (WWSC) fall CV 278
White-winged Scoter (WWSC) winter relative density 279
White-winged Scoter (WWSC) winter CV 280


Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.47e-04
6.47e-04 - 9.52e-04
9.52e-04 - 1.40e-03
1.40e-03 - 2.06e-03
2.06e-03 - 3.04e-03
3.04e-03 - 4.47e-03
4.47e-03 - 6.58e-03
6.58e-03 - 9.68e-03
9.68e-03 - 1.42e-02
1.42e-02 - 2.10e-02
2.10e-02 - 3.09e-02
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1.45e-01 - 2.13e-01
2.13e-01 - 3.14e-01
3.14e-01 - 4.62e-01
4.62e-01 - 6.79e-01
6.79e-01 - 1
ARTE predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
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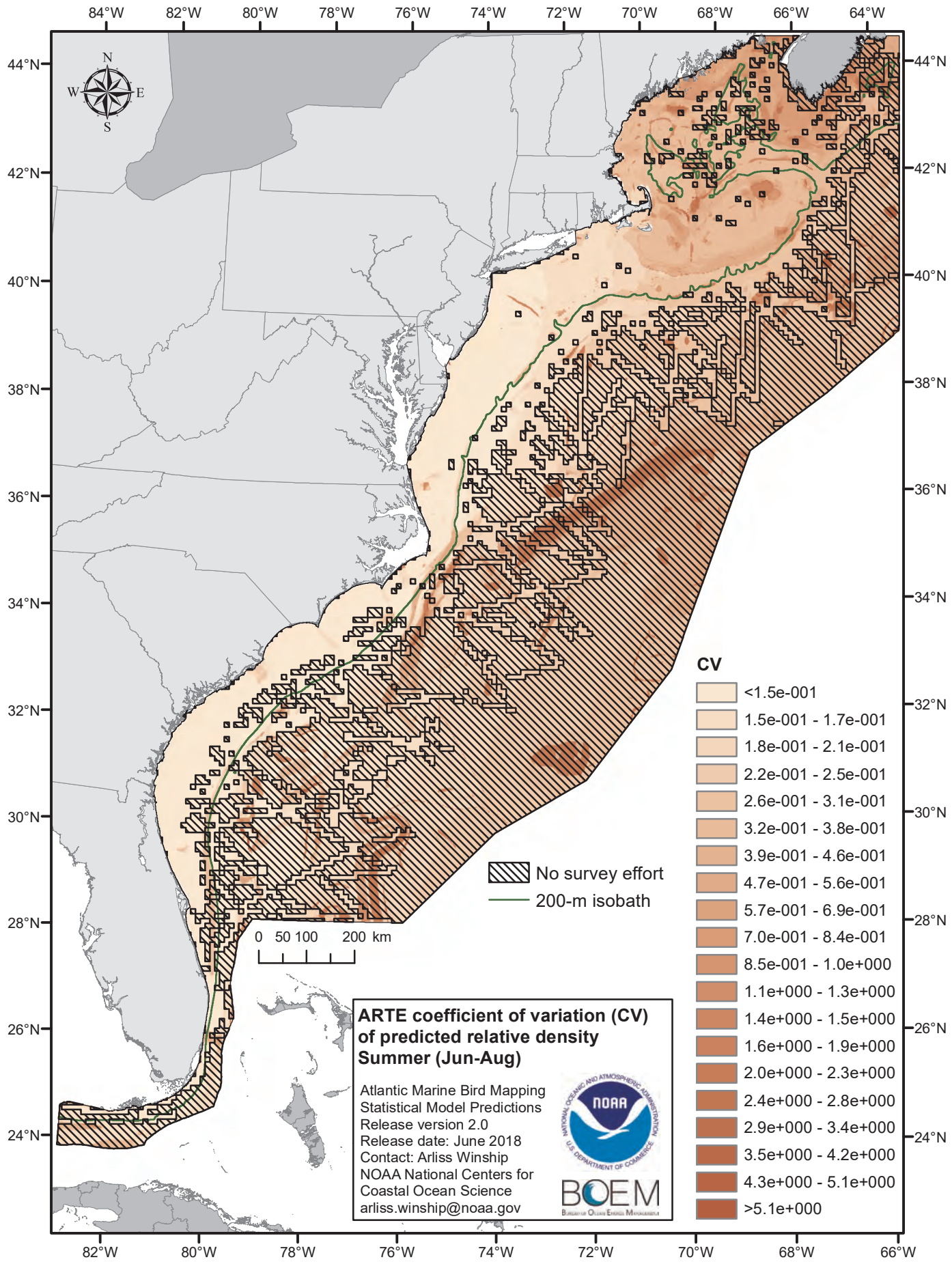
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.5e-001
1.5e-001 - 1.7e-001
1.8e-001 - 2.1e-001
2.2e-001 - 2.5e-001
2.6e-001 - 3.1e-001
3.2e-001 - 3.8e-001
3.9e-001 - 4.6e-001
4.7e-001 - 5.6e-001
5.7e-001 - 6.9e-001
7.0e-001 - 8.4e-001
8.5e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.2e+000
4.3e+000 - 5.1e+000
>5.1e+000
ARTE coefficient of variation (CV) of predicted relative density
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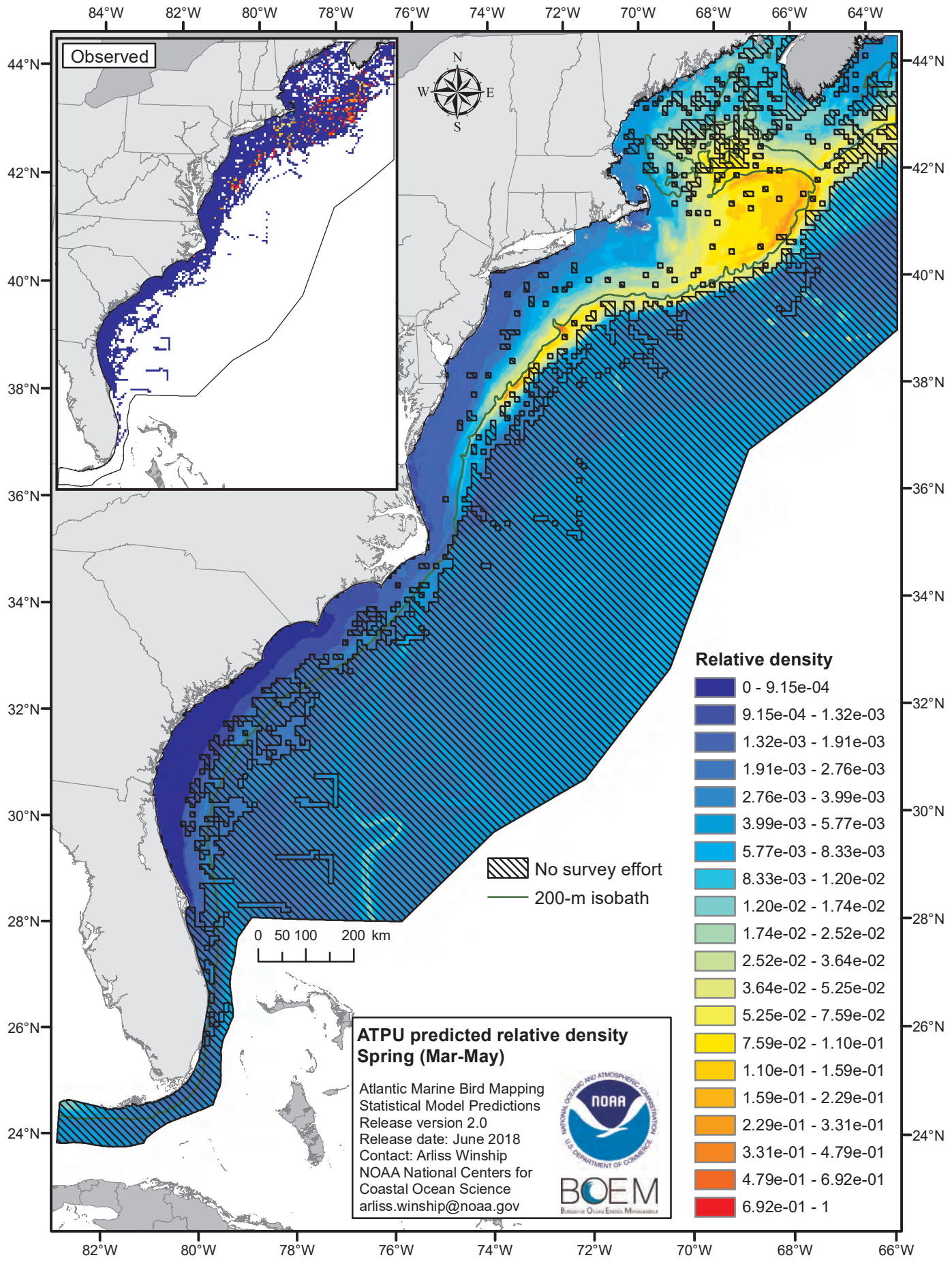
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 9.15e-04
9.15e-04 - 1.32e-03
1.32e-03 - 1.91e-03
1.91e-03 - 2.76e-03
2.76e-03 - 3.99e-03
3.99e-03 - 5.77e-03
5.77e-03 - 8.33e-03
8.33e-03 - 1.20e-02
1.20e-02 - 1.74e-02
1.74e-02 - 2.52e-02
2.52e-02 - 3.64e-02
3.64e-02 - 5.25e-02
5.25e-02 - 7.59e-02
7.59e-02 - 1.10e-01
1.10e-01 - 1.59e-01
1.59e-01 - 2.29e-01
2.29e-01 - 3.31e-01
3.31e-01 - 4.79e-01
4.79e-01 - 6.92e-01
6.92e-01 - 1
ATPU predicted relative density
Spring (Mar-May)
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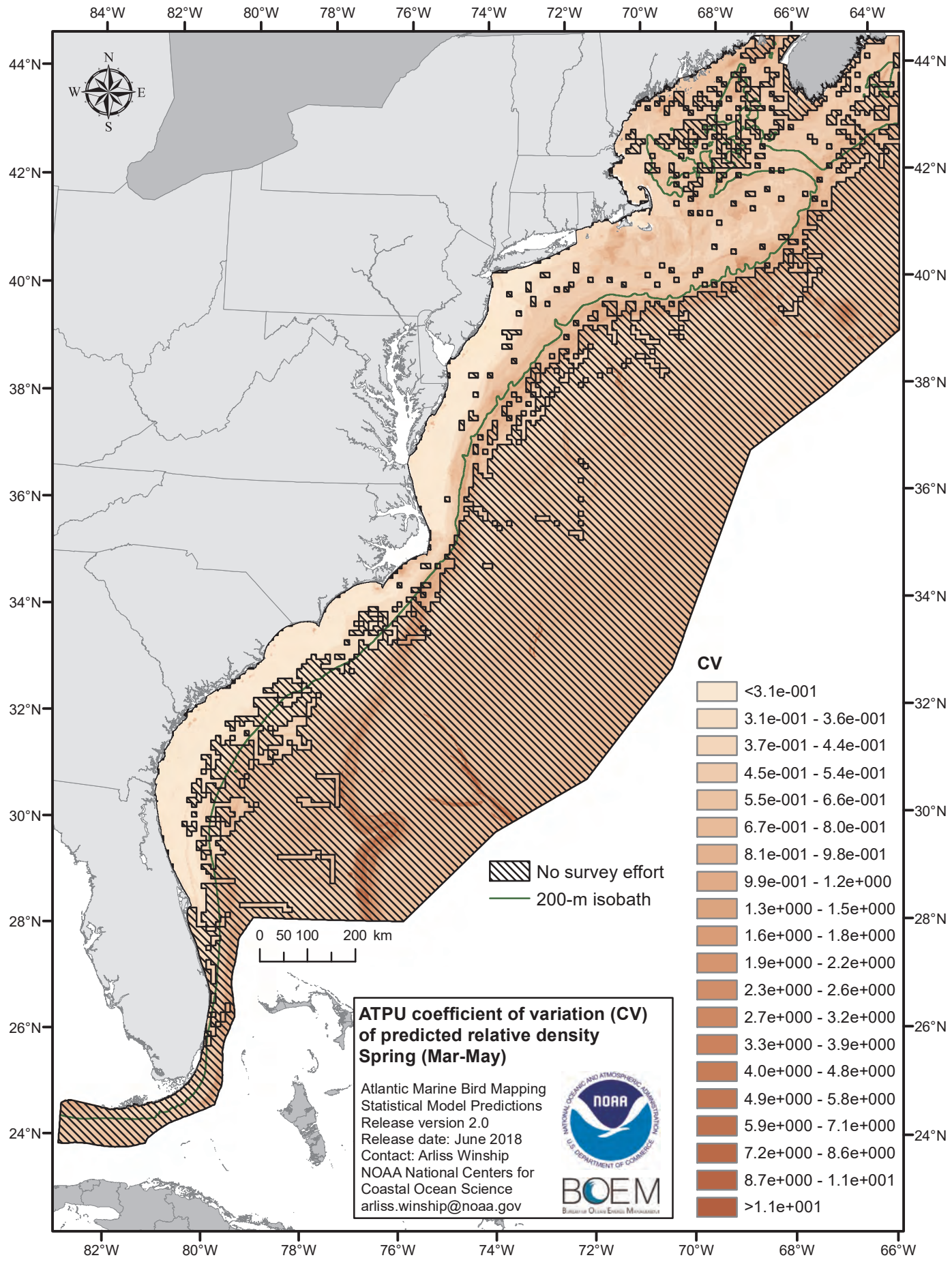
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.1e-001
3.1e-001 - 3.6e-001
3.7e-001 - 4.4e-001
4.5e-001 - 5.4e-001
5.5e-001 - 6.6e-001
6.7e-001 - 8.0e-001
8.1e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 3.9e+000
4.0e+000 - 4.8e+000
4.9e+000 - 5.8e+000
5.9e+000 - 7.1e+000
7.2e+000 - 8.6e+000
8.7e+000 - 1.1e+001
>1.1e+001
ATPU coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
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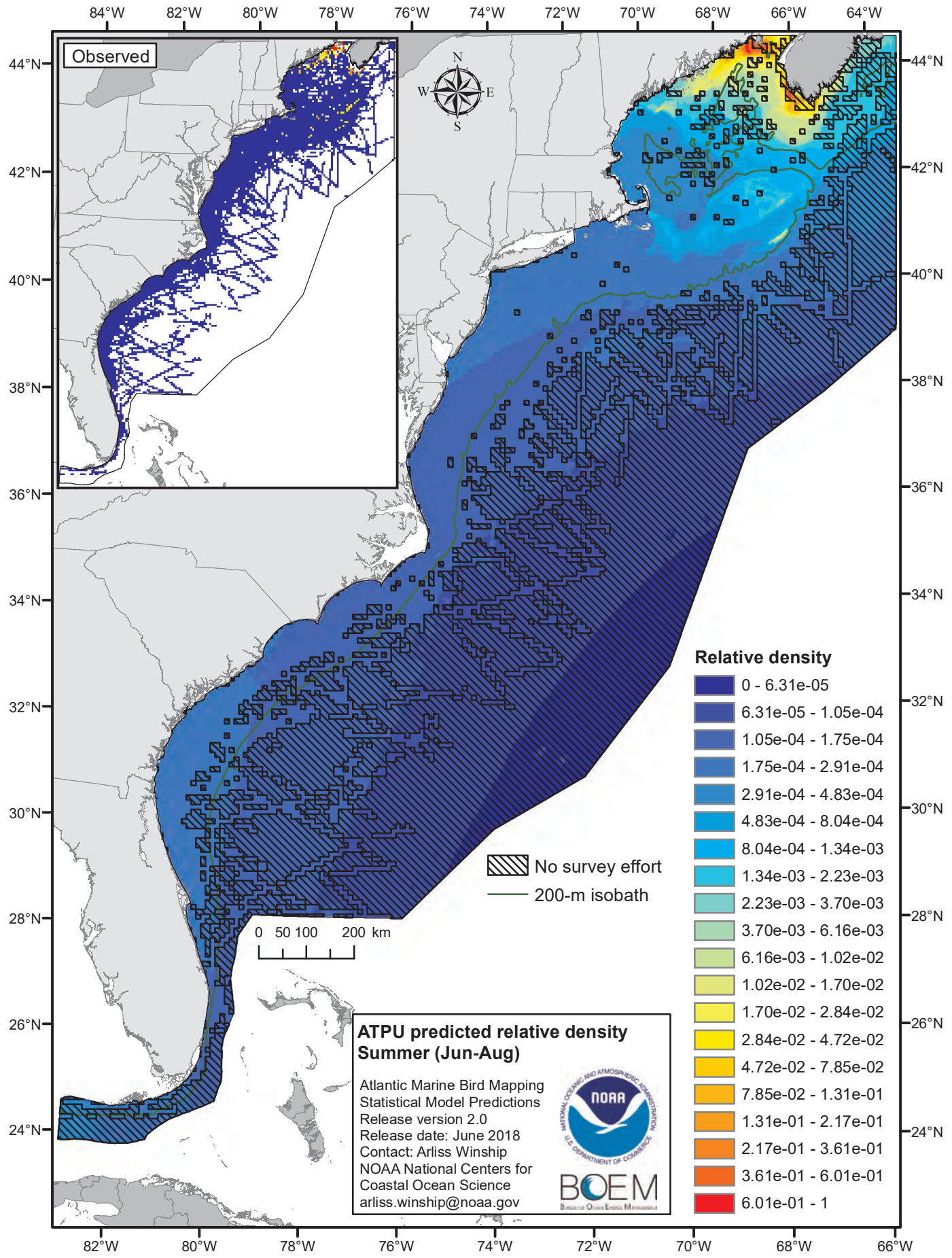
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.31e-05
6.31e-05 - 1.05e-04
1.05e-04 - 1.75e-04
1.75e-04 - 2.91e-04
2.91e-04 - 4.83e-04
4.83e-04 - 8.04e-04
8.04e-04 - 1.34e-03
1.34e-03 - 2.23e-03
2.23e-03 - 3.70e-03
3.70e-03 - 6.16e-03
6.16e-03 - 1.02e-02
1.02e-02 - 1.70e-02
1.70e-02 - 2.84e-02
2.84e-02 - 4.72e-02
4.72e-02 - 7.85e-02
7.85e-02 - 1.31e-01
1.31e-01 - 2.17e-01
2.17e-01 - 3.61e-01
3.61e-01 - 6.01e-01
6.01e-01 - 1
ATPU predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
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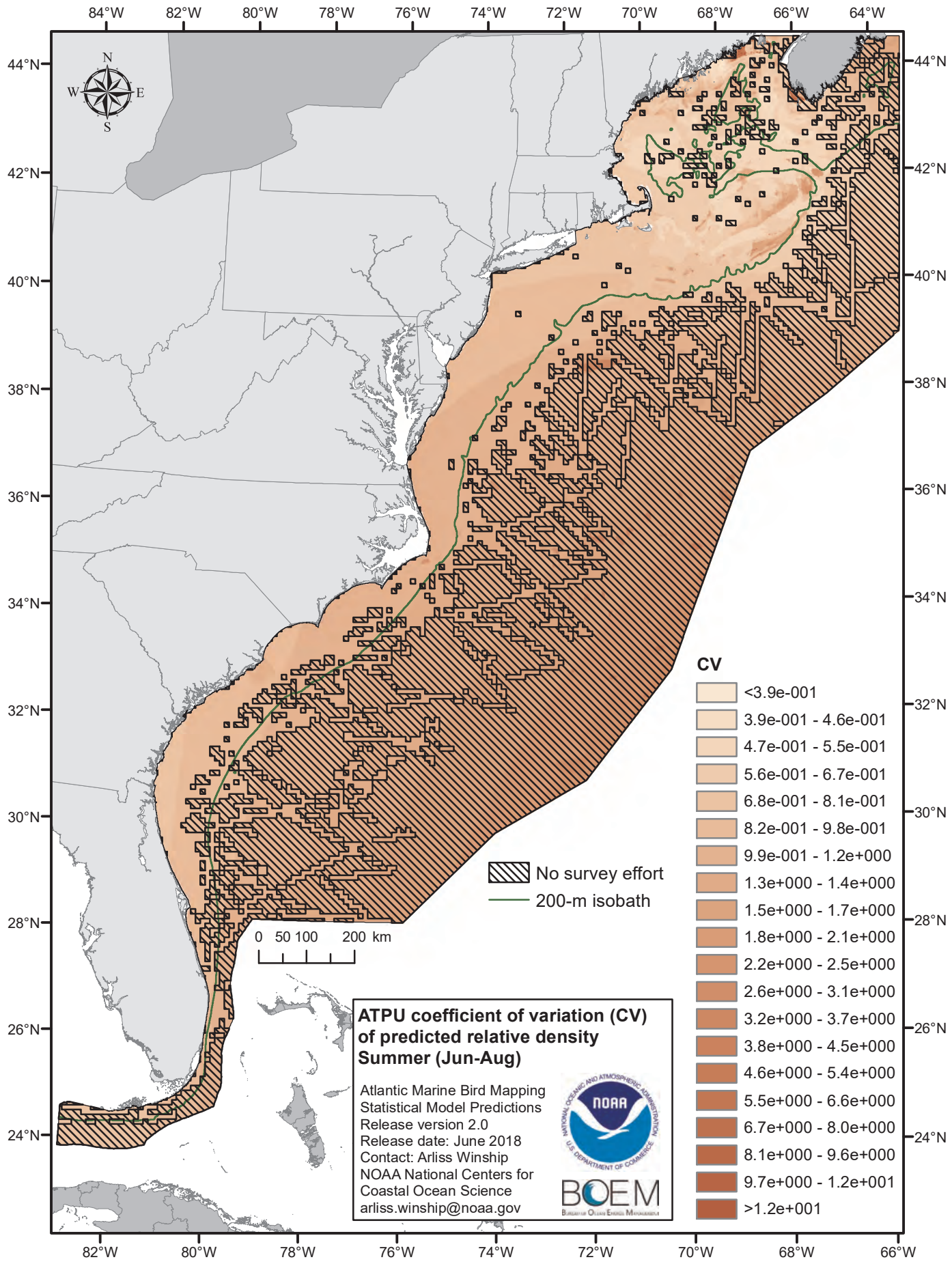
84°W
82°W
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78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.9e-001
3.9e-001 - 4.6e-001
4.7e-001 - 5.5e-001
5.6e-001 - 6.7e-001
6.8e-001 - 8.1e-001
8.2e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.4e+000
5.5e+000 - 6.6e+000
6.7e+000 - 8.0e+000
8.1e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
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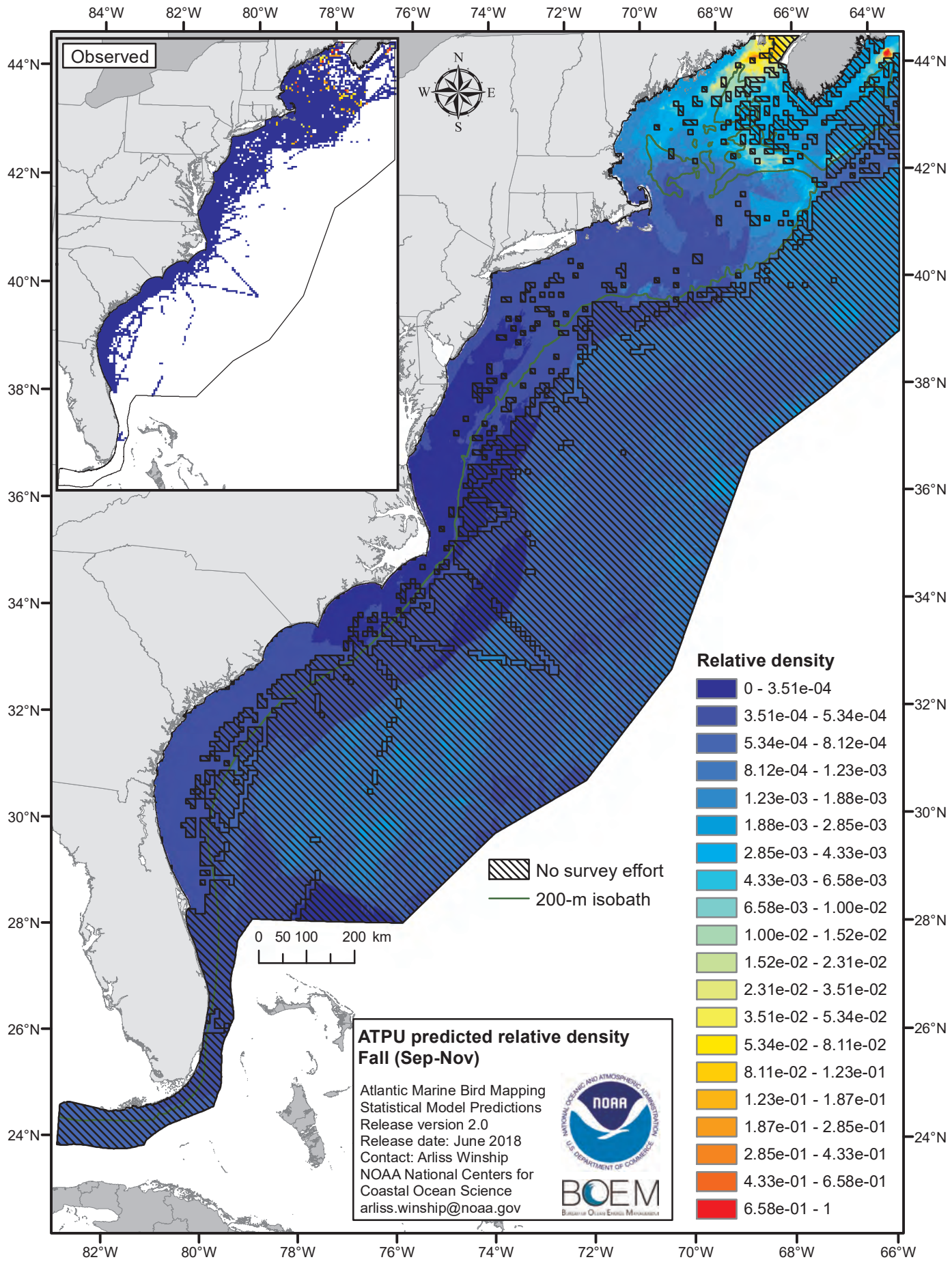
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 3.51e-04
3.51e-04 - 5.34e-04
5.34e-04 - 8.12e-04
8.12e-04 - 1.23e-03
1.23e-03 - 1.88e-03
1.88e-03 - 2.85e-03
2.85e-03 - 4.33e-03
4.33e-03 - 6.58e-03
6.58e-03 - 1.00e-02
1.00e-02 - 1.52e-02
1.52e-02 - 2.31e-02
2.31e-02 - 3.51e-02
3.51e-02 - 5.34e-02
5.34e-02 - 8.11e-02
8.11e-02 - 1.23e-01
1.23e-01 - 1.87e-01
1.87e-01 - 2.85e-01
2.85e-01 - 4.33e-01
4.33e-01 - 6.58e-01
6.58e-01 - 1
ATPU predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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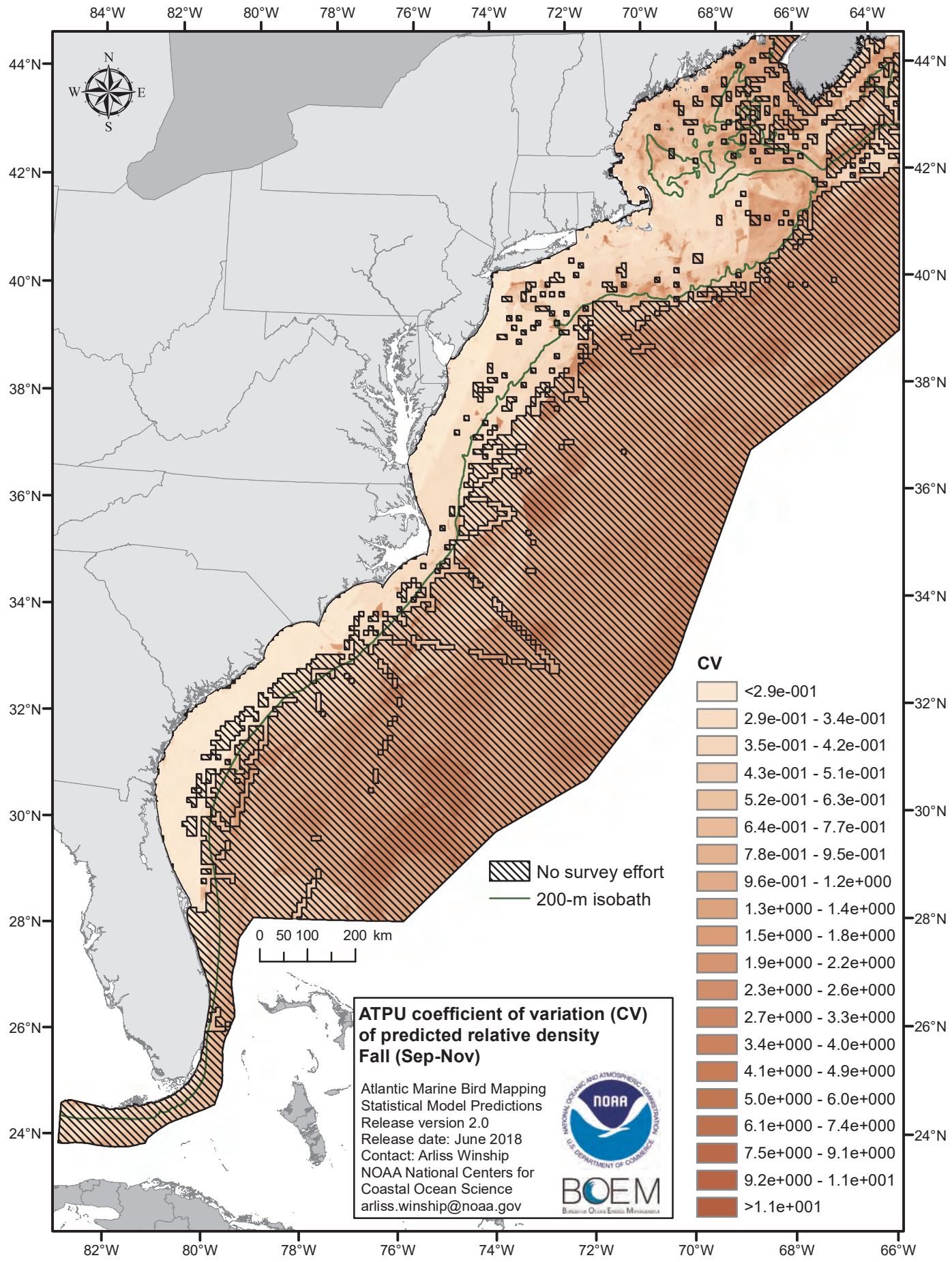
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.9e-001
2.9e-001 - 3.4e-001
3.5e-001 - 4.2e-001
4.3e-001 - 5.1e-001
5.2e-001 - 6.3e-001
6.4e-001 - 7.7e-001
7.8e-001 - 9.5e-001
9.6e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.6e+000
2.7e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.0e+000
6.1e+000 - 7.4e+000
7.5e+000 - 9.1e+000
9.2e+000 - 1.1e+001
>1.1e+001
ATPU coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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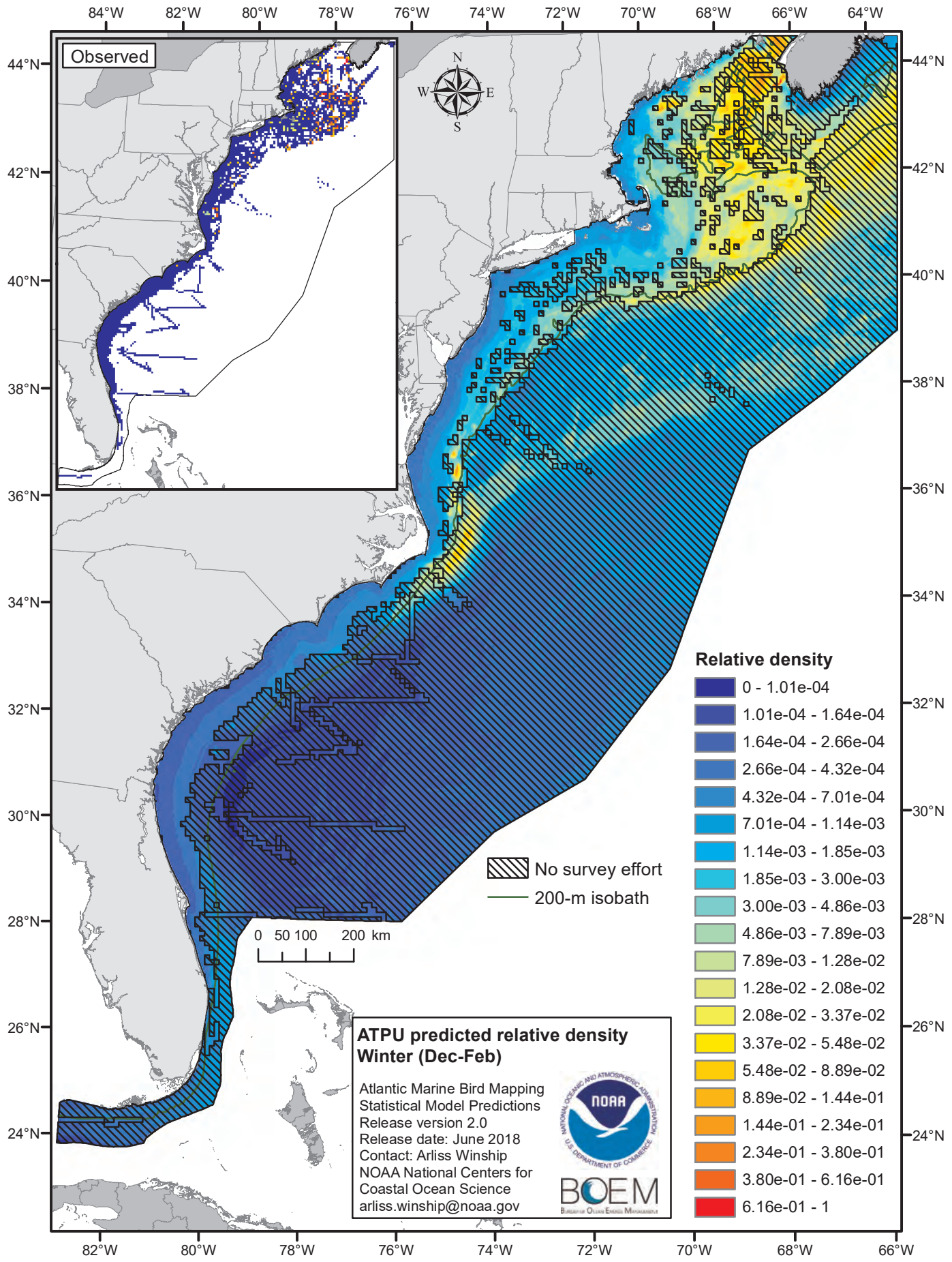
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
Relative density
0 - 1.01e-04
1.01e-04 - 1.64e-04
1.64e-04 - 2.66e-04
2.66e-04 - 4.32e-04
4.32e-04 - 7.01e-04
7.01e-04 - 1.14e-03
1.14e-03 - 1.85e-03
1.85e-03 - 3.00e-03
3.00e-03 - 4.86e-03
4.86e-03 - 7.89e-03
7.89e-03 - 1.28e-02
1.28e-02 - 2.08e-02
2.08e-02 - 3.37e-02
3.37e-02 - 5.48e-02
5.48e-02 - 8.89e-02
8.89e-02 - 1.44e-01
1.44e-01 - 2.34e-01
2.34e-01 - 3.80e-01
3.80e-01 - 6.16e-01
6.16e-01 - 1
No survey effort
200-m isobath
0 50 100 200 km
ATPU predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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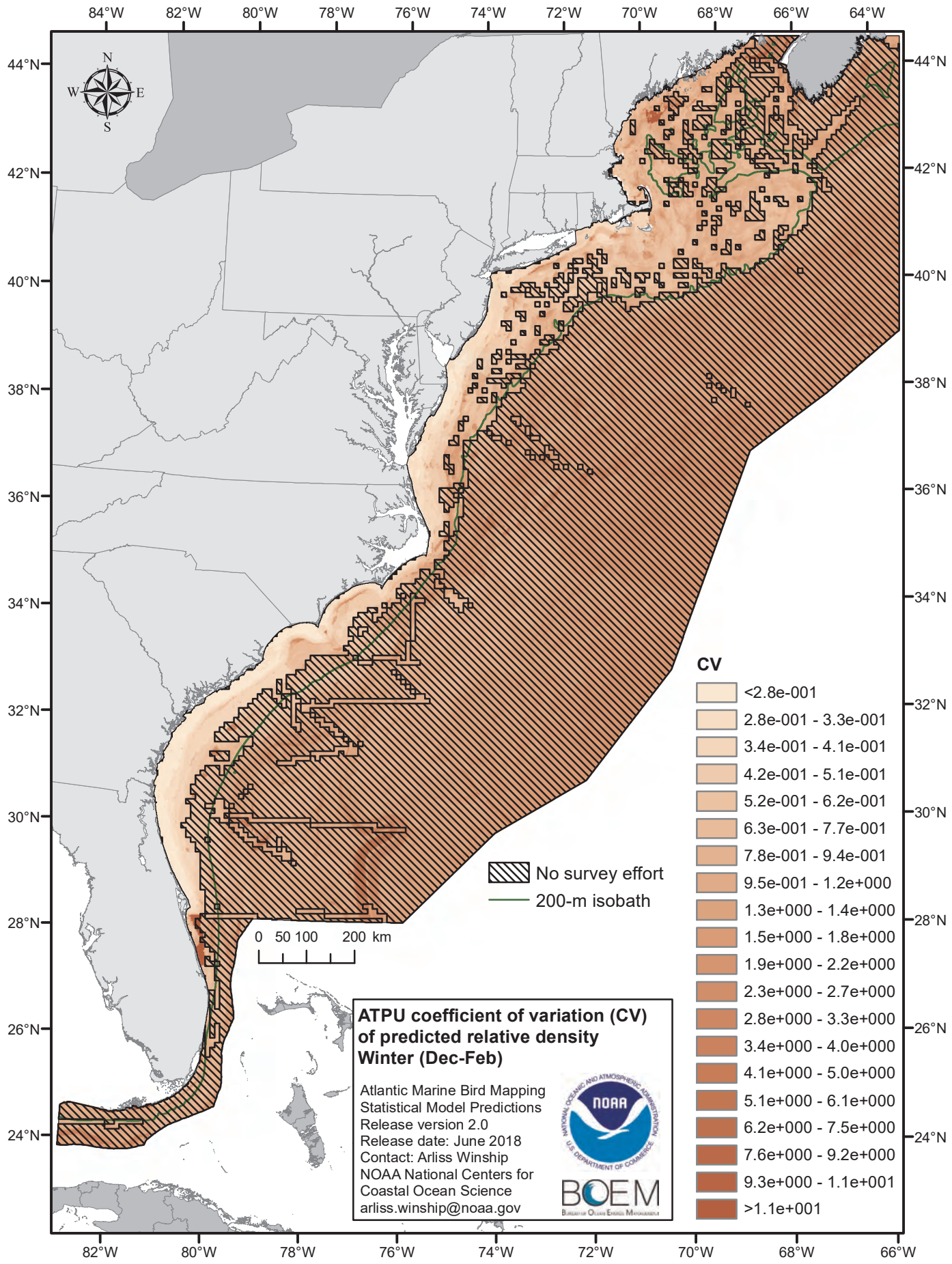
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.8e-001
2.8e-001 - 3.3e-001
3.4e-001 - 4.1e-001
4.2e-001 - 5.1e-001
5.2e-001 - 6.2e-001
6.3e-001 - 7.7e-001
7.8e-001 - 9.4e-001
9.5e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 5.0e+000
5.1e+000 - 6.1e+000
6.2e+000 - 7.5e+000
7.6e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
ATPU coefficient of variation (CV) of predicted relative density
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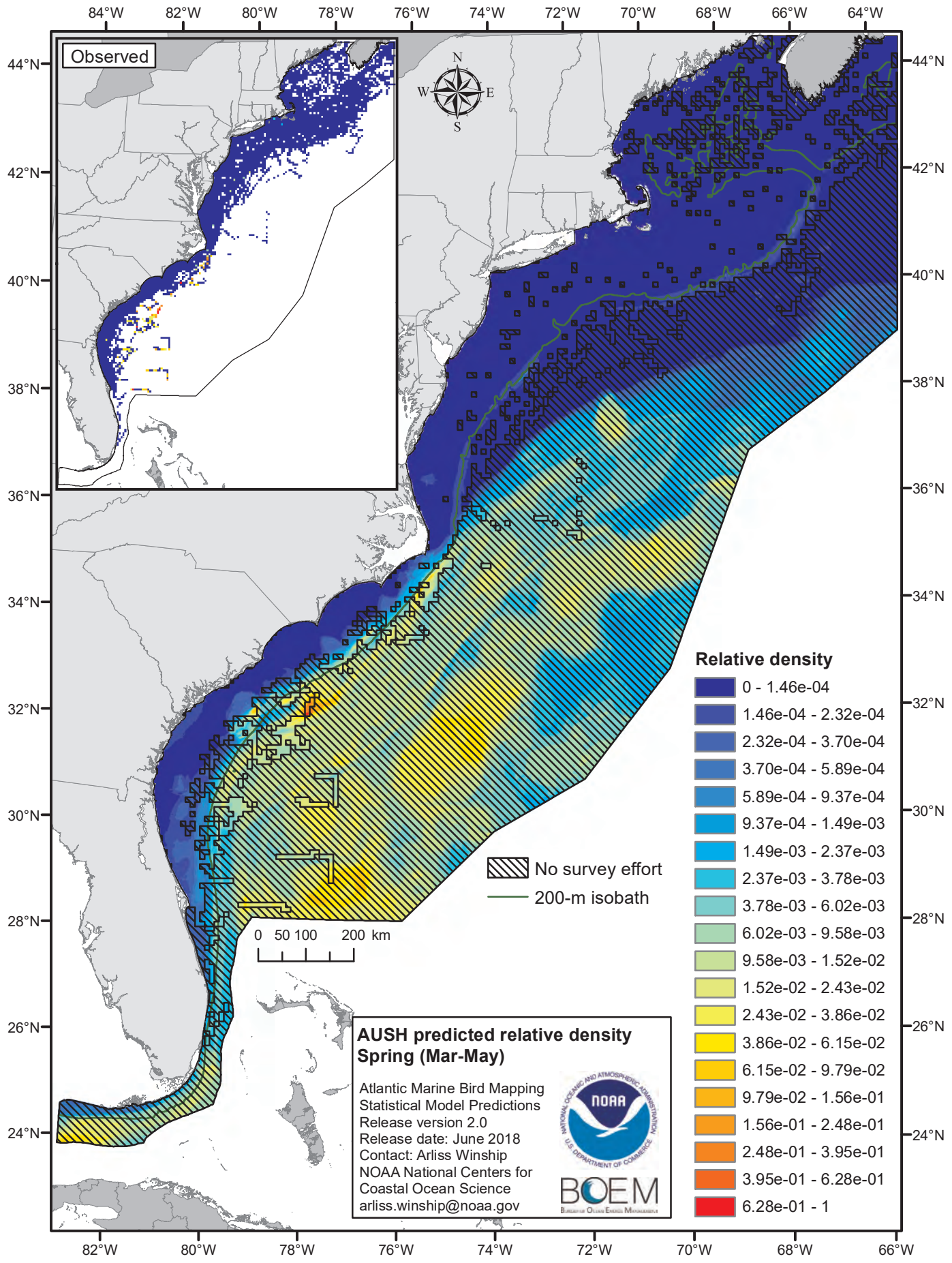
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.46e-04
1.46e-04 - 2.32e-04
2.32e-04 - 3.70e-04
3.70e-04 - 5.89e-04
5.89e-04 - 9.37e-04
9.37e-04 - 1.49e-03
1.49e-03 - 2.37e-03
2.37e-03 - 3.78e-03
3.78e-03 - 6.02e-03
6.02e-03 - 9.58e-03
9.58e-03 - 1.52e-02
1.52e-02 - 2.43e-02
2.43e-02 - 3.86e-02
3.86e-02 - 6.15e-02
6.15e-02 - 9.79e-02
9.79e-02 - 1.56e-01
1.56e-01 - 2.48e-01
2.48e-01 - 3.95e-01
3.95e-01 - 6.28e-01
6.28e-01 - 1
AUSH predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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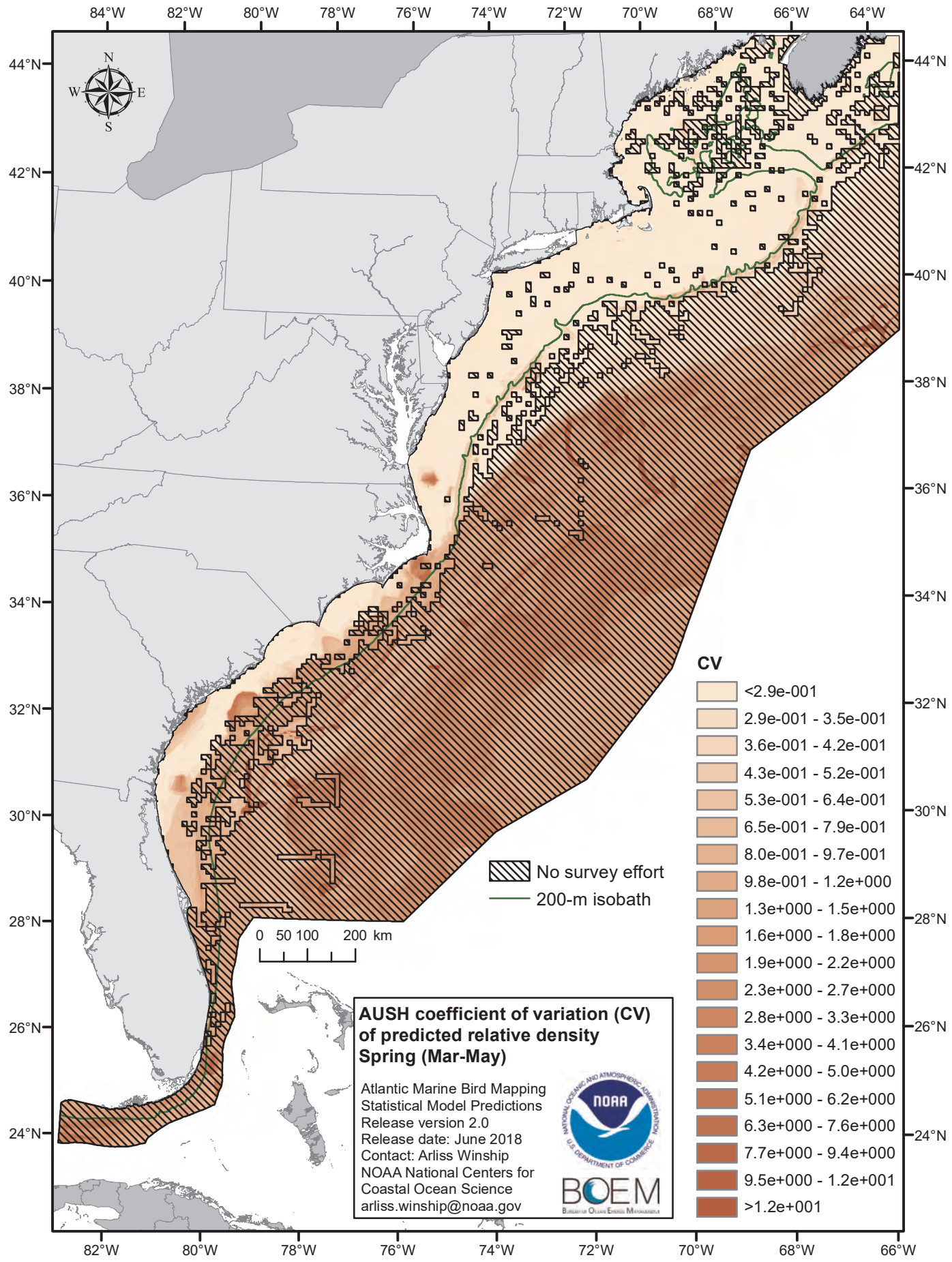
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.9e-001
2.9e-001 - 3.5e-001
3.6e-001 - 4.2e-001
4.3e-001 - 5.2e-001
5.3e-001 - 6.4e-001
6.5e-001 - 7.9e-001
8.0e-001 - 9.7e-001
9.8e-001 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 4.1e+000
4.2e+000 - 5.0e+000
5.1e+000 - 6.2e+000
6.3e+000 - 7.6e+000
7.7e+000 - 9.4e+000
9.5e+000 - 1.2e+001
>1.2e+001
AUSH coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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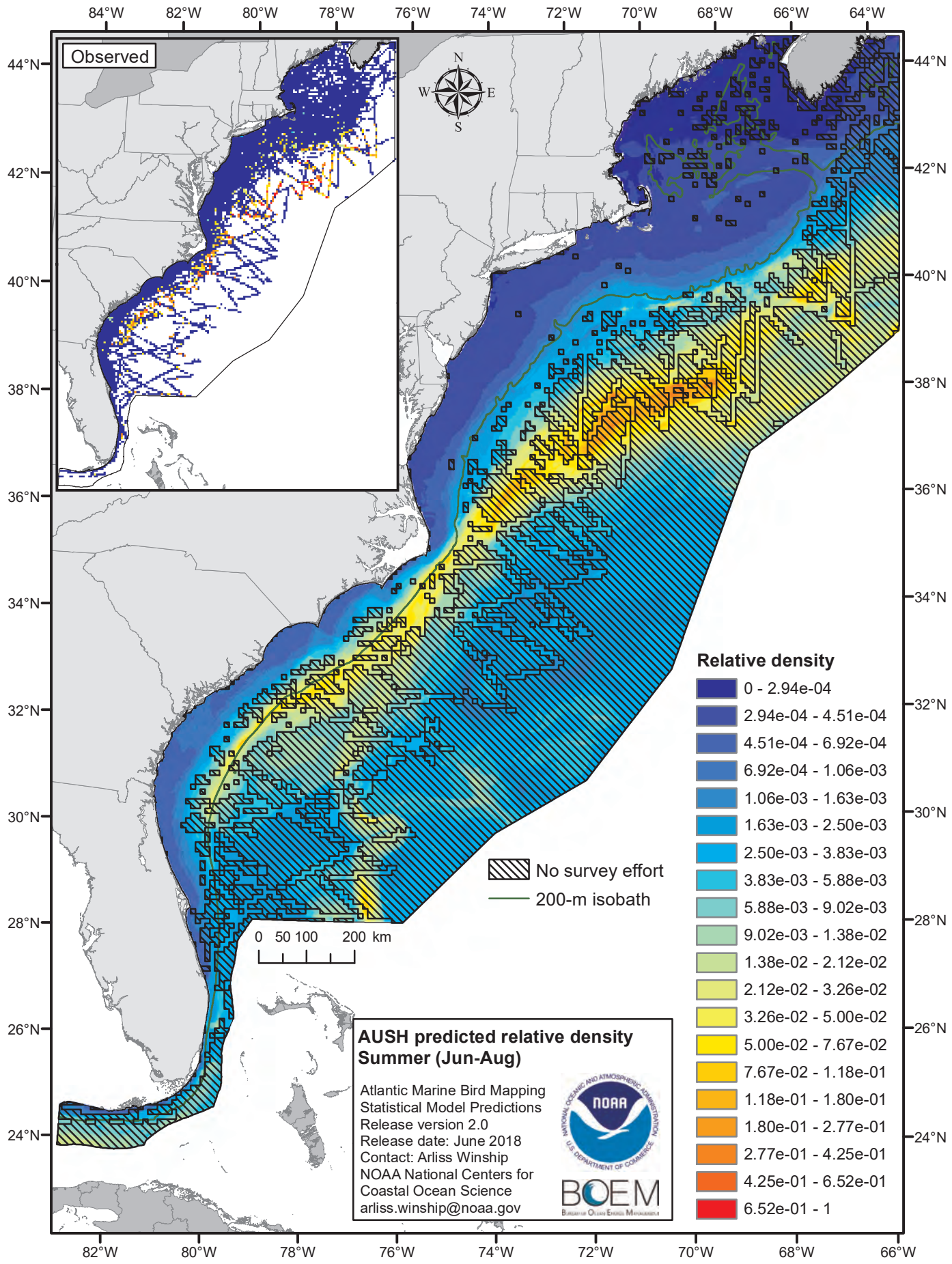
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.94e-04
2.94e-04 - 4.51e-04
4.51e-04 - 6.92e-04
6.92e-04 - 1.06e-03
1.06e-03 - 1.63e-03
1.63e-03 - 2.50e-03
2.50e-03 - 3.83e-03
3.83e-03 - 5.88e-03
5.88e-03 - 9.02e-03
9.02e-03 - 1.38e-02
1.38e-02 - 2.12e-02
2.12e-02 - 3.26e-02
3.26e-02 - 5.00e-02
5.00e-02 - 7.67e-02
7.67e-02 - 1.18e-01
1.18e-01 - 1.80e-01
1.80e-01 - 2.77e-01
2.77e-01 - 4.25e-01
4.25e-01 - 6.52e-01
6.52e-01 - 1
AUSH predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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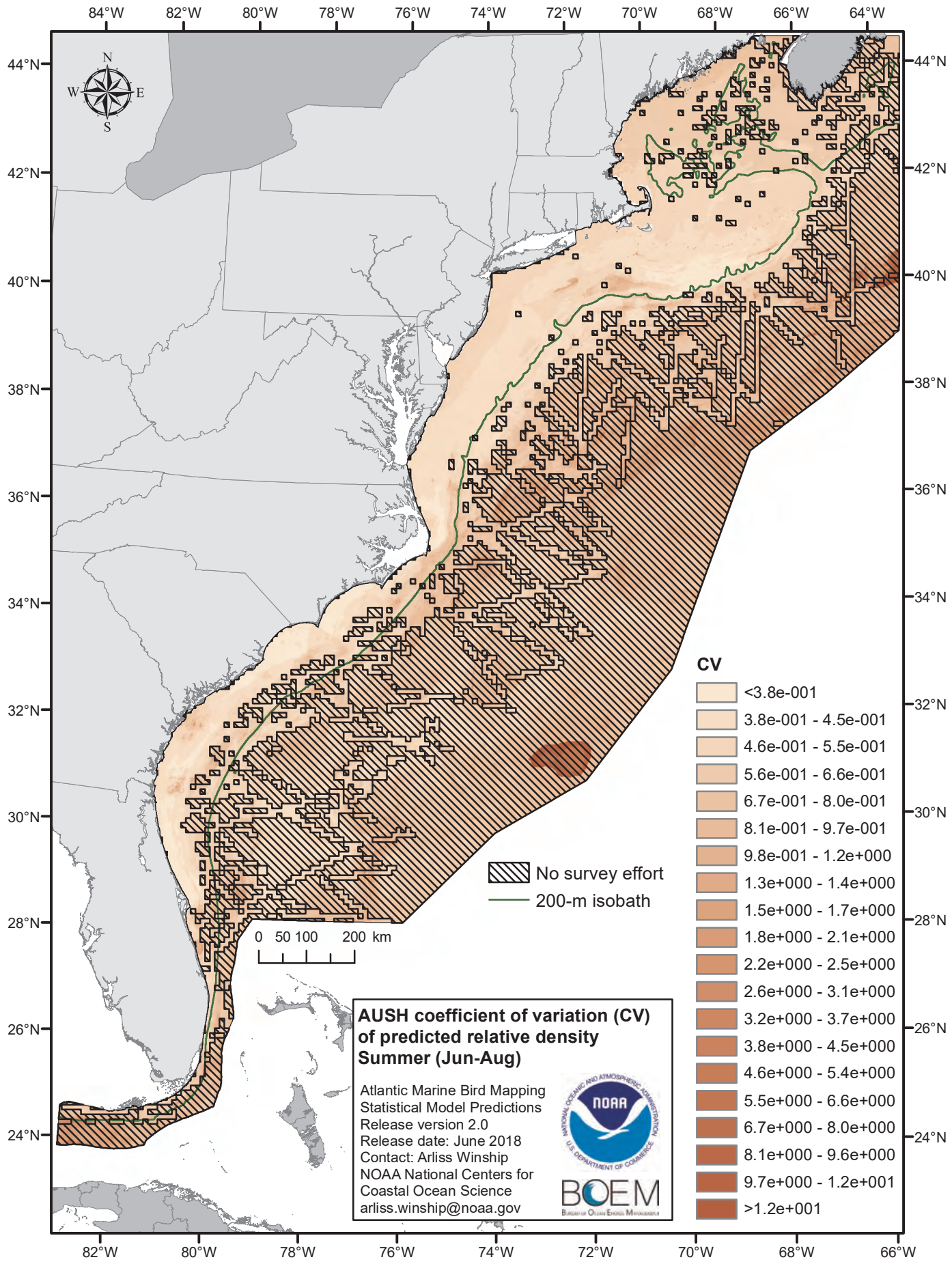
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.8e-001
3.8e-001 - 4.5e-001
4.6e-001 - 5.5e-001
5.6e-001 - 6.6e-001
6.7e-001 - 8.0e-001
8.1e-001 - 9.7e-001
9.8e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.4e+000
5.5e+000 - 6.6e+000
6.7e+000 - 8.0e+000
8.1e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
AUSH coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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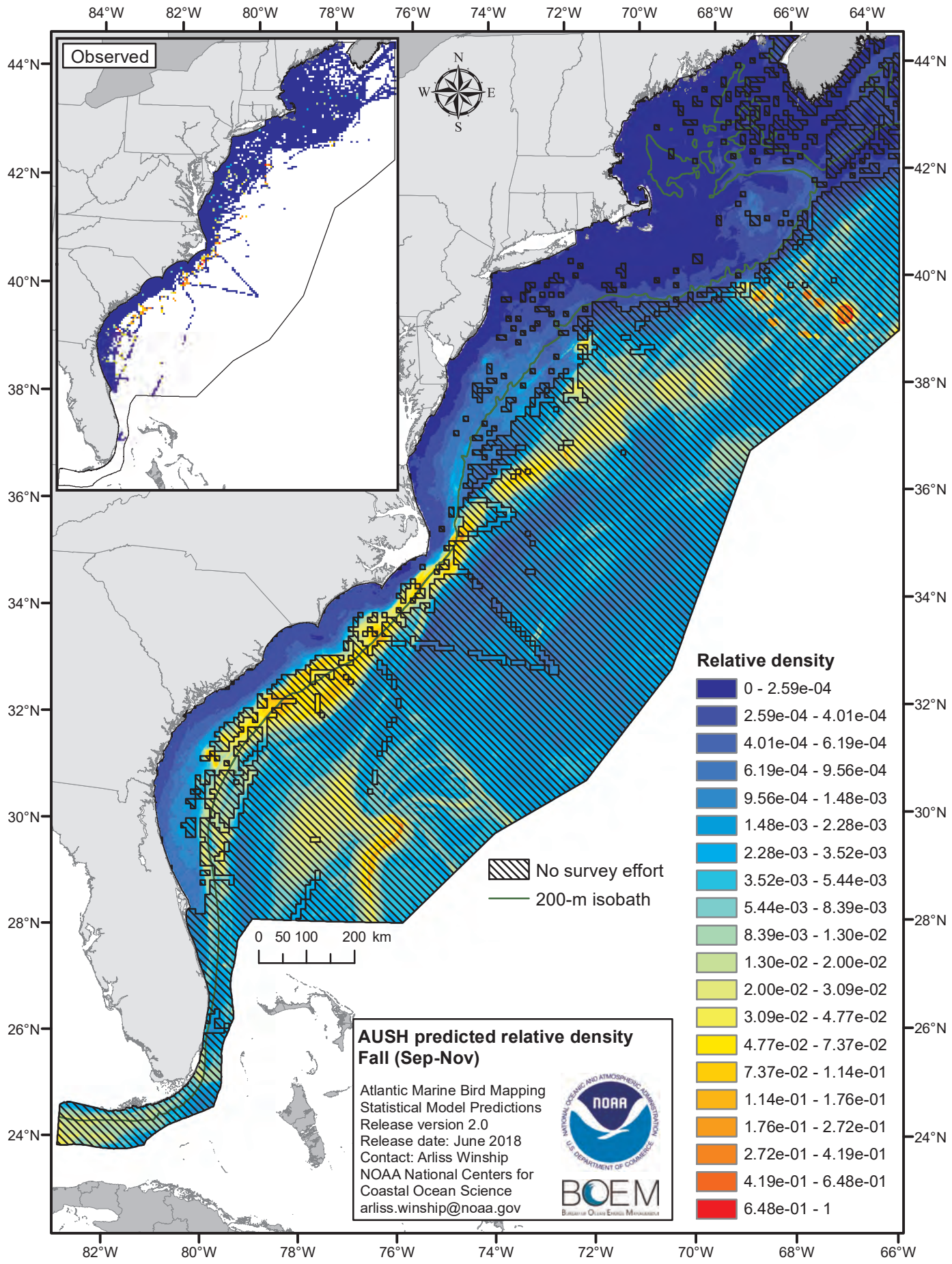
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.59e-04
2.59e-04 - 4.01e-04
4.01e-04 - 6.19e-04
6.19e-04 - 9.56e-04
9.56e-04 - 1.48e-03
1.48e-03 - 2.28e-03
2.28e-03 - 3.52e-03
3.52e-03 - 5.44e-03
5.44e-03 - 8.39e-03
8.39e-03 - 1.30e-02
1.30e-02 - 2.00e-02
2.00e-02 - 3.09e-02
3.09e-02 - 4.77e-02
4.77e-02 - 7.37e-02
7.37e-02 - 1.14e-01
1.14e-01 - 1.76e-01
1.76e-01 - 2.72e-01
2.72e-01 - 4.19e-01
4.19e-01 - 6.48e-01
6.48e-01 - 1
AUSH predicted relative density
Fall (Sep-Nov)
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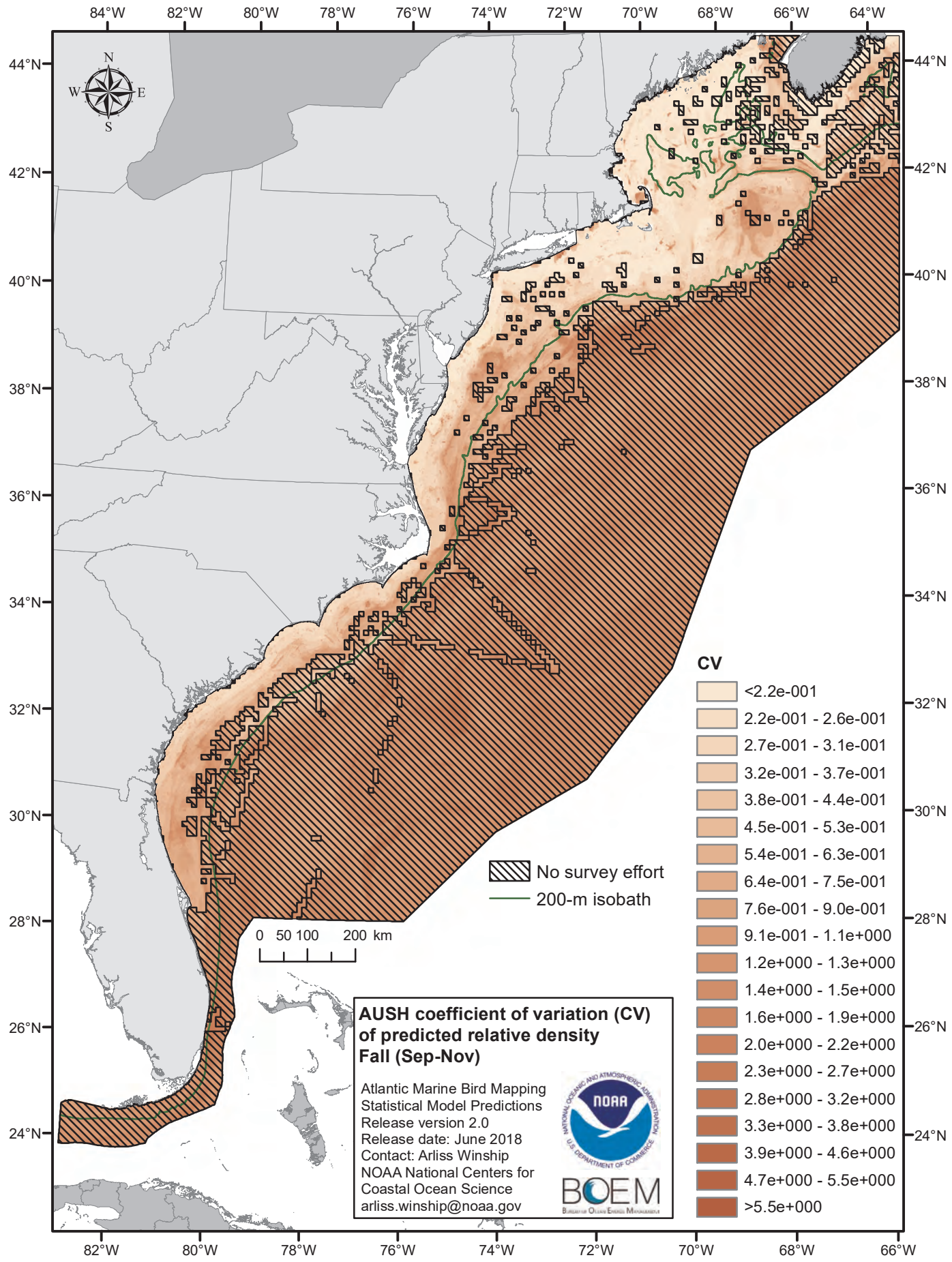
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.2e-001
2.2e-001 - 2.6e-001
2.7e-001 - 3.1e-001
3.2e-001 - 3.7e-001
3.8e-001 - 4.4e-001
4.5e-001 - 5.3e-001
5.4e-001 - 6.3e-001
6.4e-001 - 7.5e-001
7.6e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.8e+000
3.9e+000 - 4.6e+000
4.7e+000 - 5.5e+000
>5.5e+000
AUSH coefficient of variation (CV) of predicted relative density
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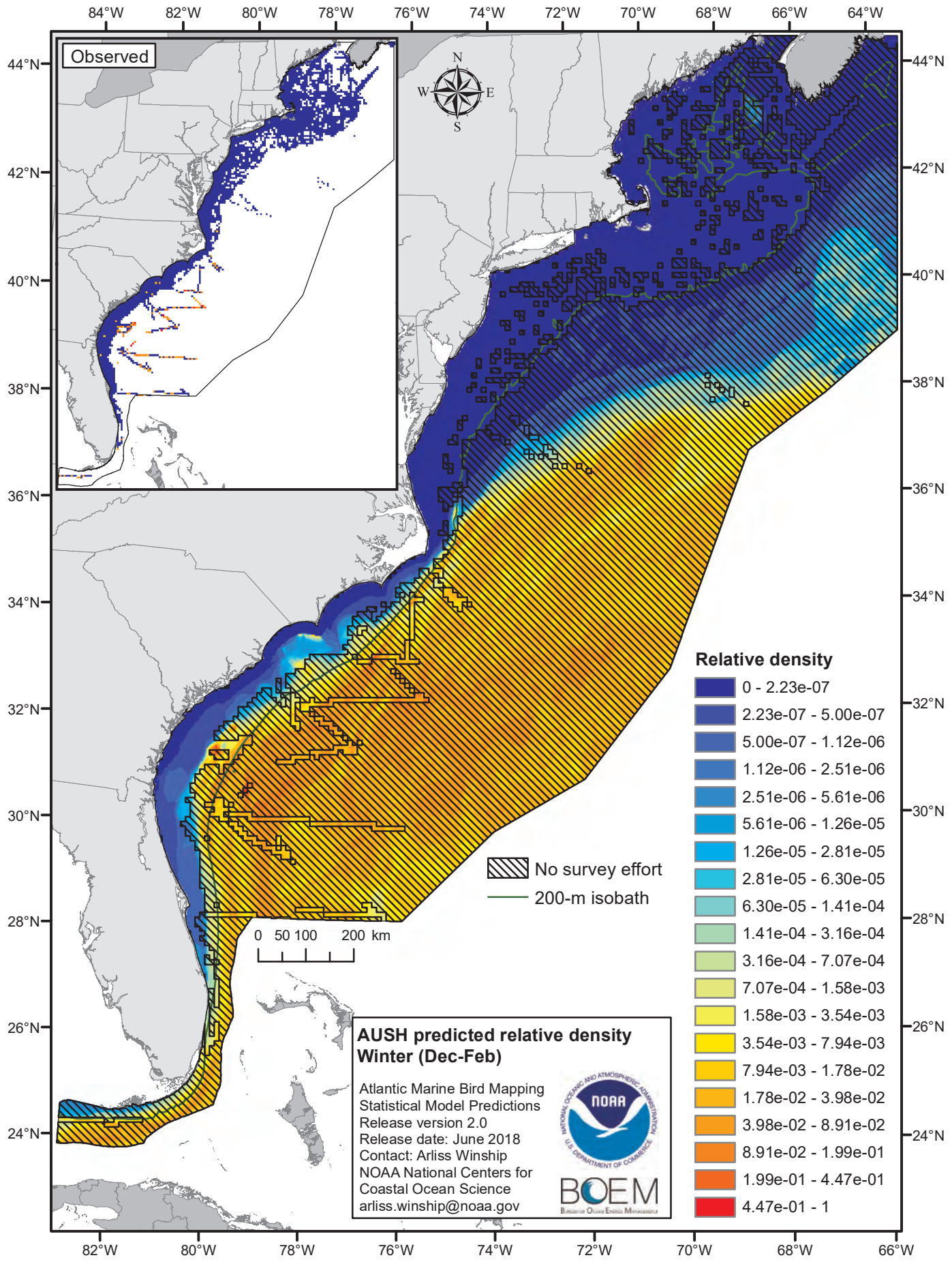
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.23e-07
2.23e-07 - 5.00e-07
5.00e-07 - 1.12e-06
1.12e-06 - 2.51e-06
2.51e-06 - 5.61e-06
5.61e-06 - 1.26e-05
1.26e-05 - 2.81e-05
2.81e-05 - 6.30e-05
6.30e-05 - 1.41e-04
1.41e-04 - 3.16e-04
3.16e-04 - 7.07e-04
7.07e-04 - 1.58e-03
1.58e-03 - 3.54e-03
3.54e-03 - 7.94e-03
7.94e-03 - 1.78e-02
1.78e-02 - 3.98e-02
3.98e-02 - 8.91e-02
8.91e-02 - 1.99e-01
1.99e-01 - 4.47e-01
4.47e-01 - 1
AUSH predicted relative density
Winter (Dec-Feb)
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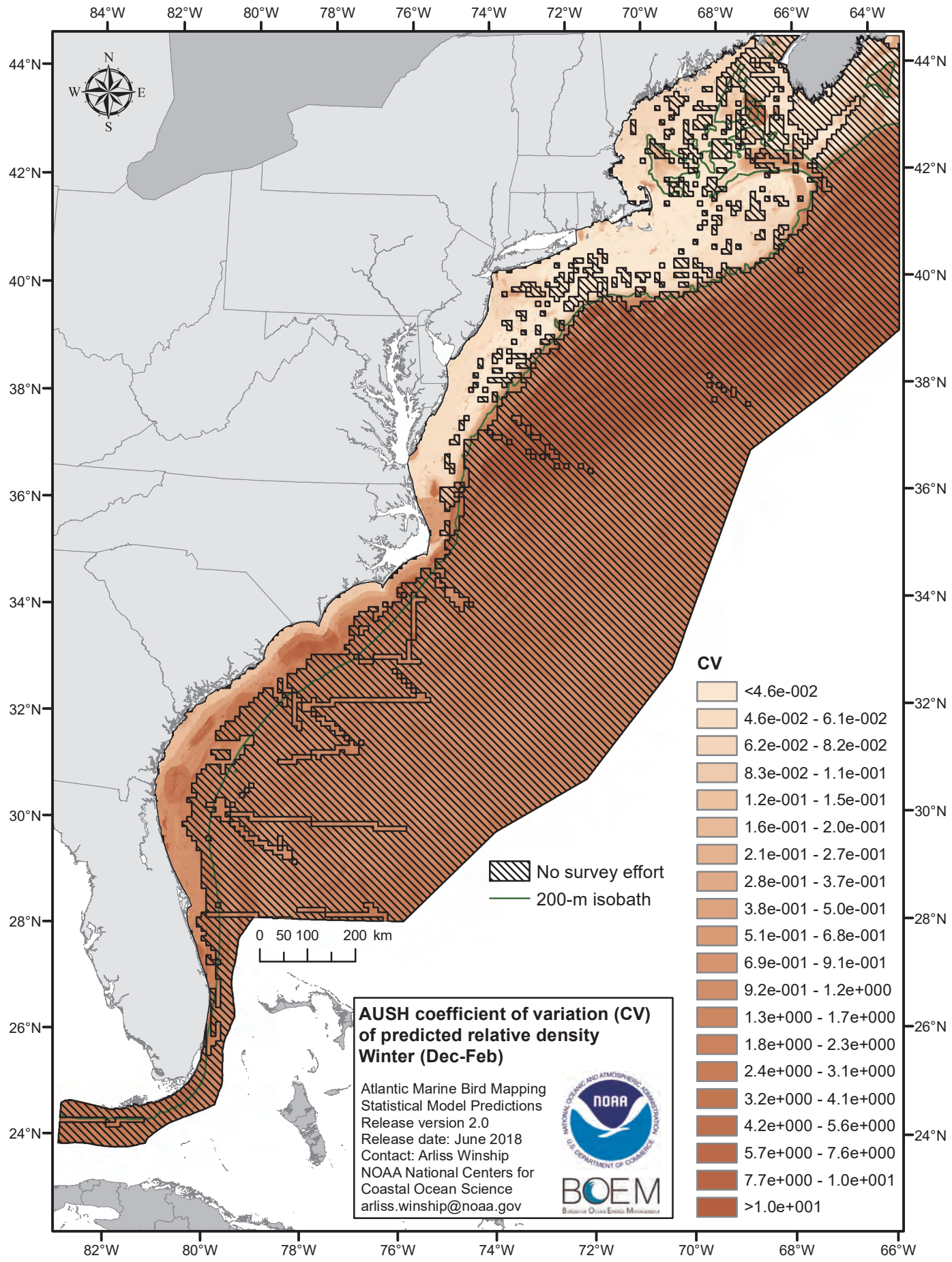
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
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66°W
64°W
44°N
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40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.6e-002
4.6e-002 - 6.1e-002
6.2e-002 - 8.2e-002
8.3e-002 - 1.1e-001
1.2e-001 - 1.5e-001
1.6e-001 - 2.0e-001
2.1e-001 - 2.7e-001
2.8e-001 - 3.7e-001
3.8e-001 - 5.0e-001
5.1e-001 - 6.8e-001
6.9e-001 - 9.1e-001
9.2e-001 - 1.2e+000
1.3e+000 - 1.7e+000
1.8e+000 - 2.3e+000
2.4e+000 - 3.1e+000
3.2e+000 - 4.1e+000
4.2e+000 - 5.6e+000
5.7e+000 - 7.6e+000
7.7e+000 - 1.0e+001
>1.0e+001
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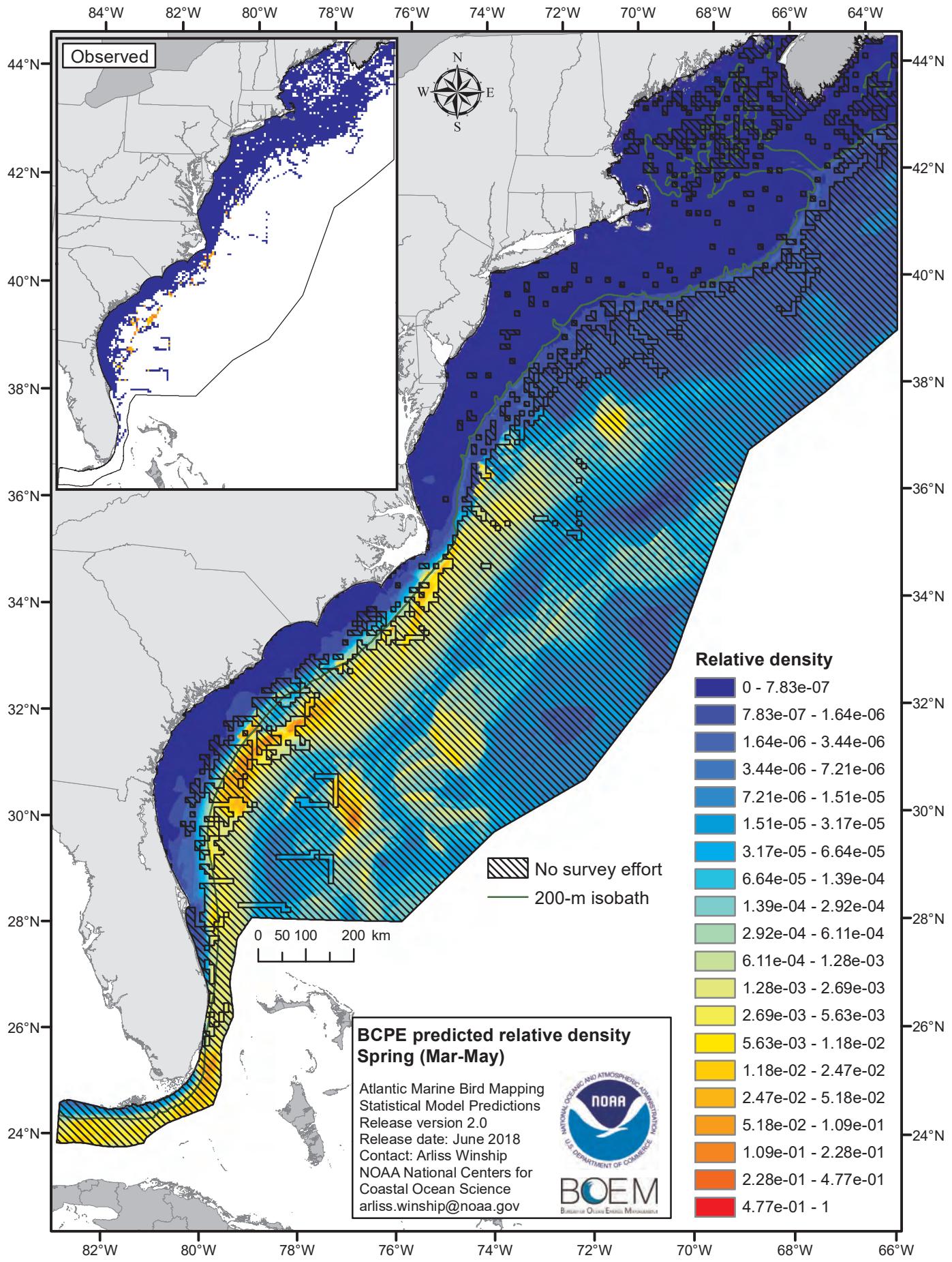
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 7.83e-07
7.83e-07 - 1.64e-06
1.64e-06 - 3.44e-06
3.44e-06 - 7.21e-06
7.21e-06 - 1.51e-05
1.51e-05 - 3.17e-05
3.17e-05 - 6.64e-05
6.64e-05 - 1.39e-04
1.39e-04 - 2.92e-04
2.92e-04 - 6.11e-04
6.11e-04 - 1.28e-03
1.28e-03 - 2.69e-03
2.69e-03 - 5.63e-03
5.63e-03 - 1.18e-02
1.18e-02 - 2.47e-02
2.47e-02 - 5.18e-02
5.18e-02 - 1.09e-01
1.09e-01 - 2.28e-01
2.28e-01 - 4.77e-01
4.77e-01 - 1
BCPE predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
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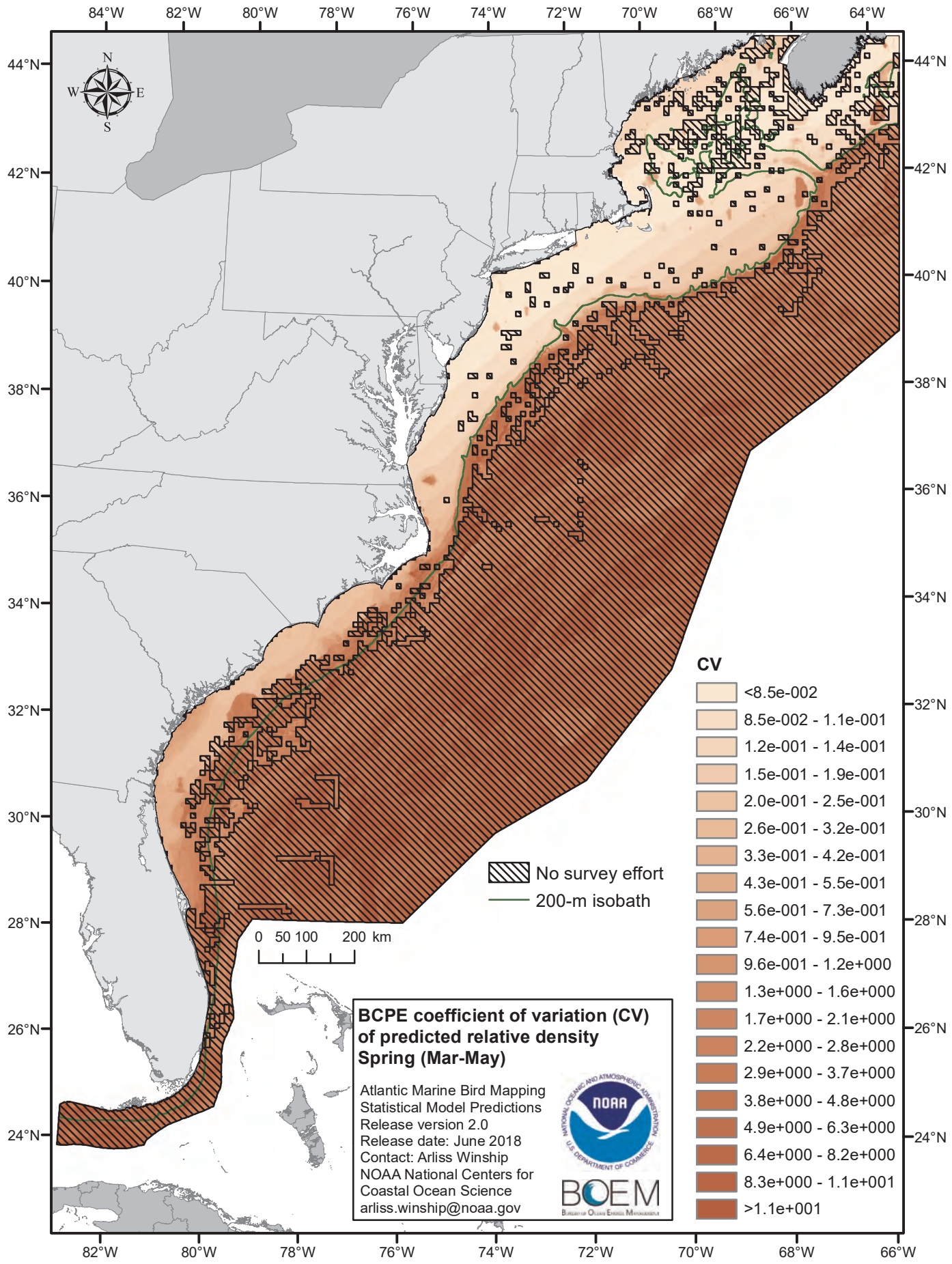
BOEM


84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
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40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<8.5e-002
8.5e-002 - 1.1e-001
1.2e-001 - 1.4e-001
1.5e-001 - 1.9e-001
2.0e-001 - 2.5e-001
2.6e-001 - 3.2e-001
3.3e-001 - 4.2e-001
4.3e-001 - 5.5e-001
5.6e-001 - 7.3e-001
7.4e-001 - 9.5e-001
9.6e-001 - 1.2e+000
1.3e+000 - 1.6e+000
1.7e+000 - 2.1e+000
2.2e+000 - 2.8e+000
2.9e+000 - 3.7e+000
3.8e+000 - 4.8e+000
4.9e+000 - 6.3e+000
6.4e+000 - 8.2e+000
8.3e+000 - 1.1e+001
>1.1e+001
BCPE coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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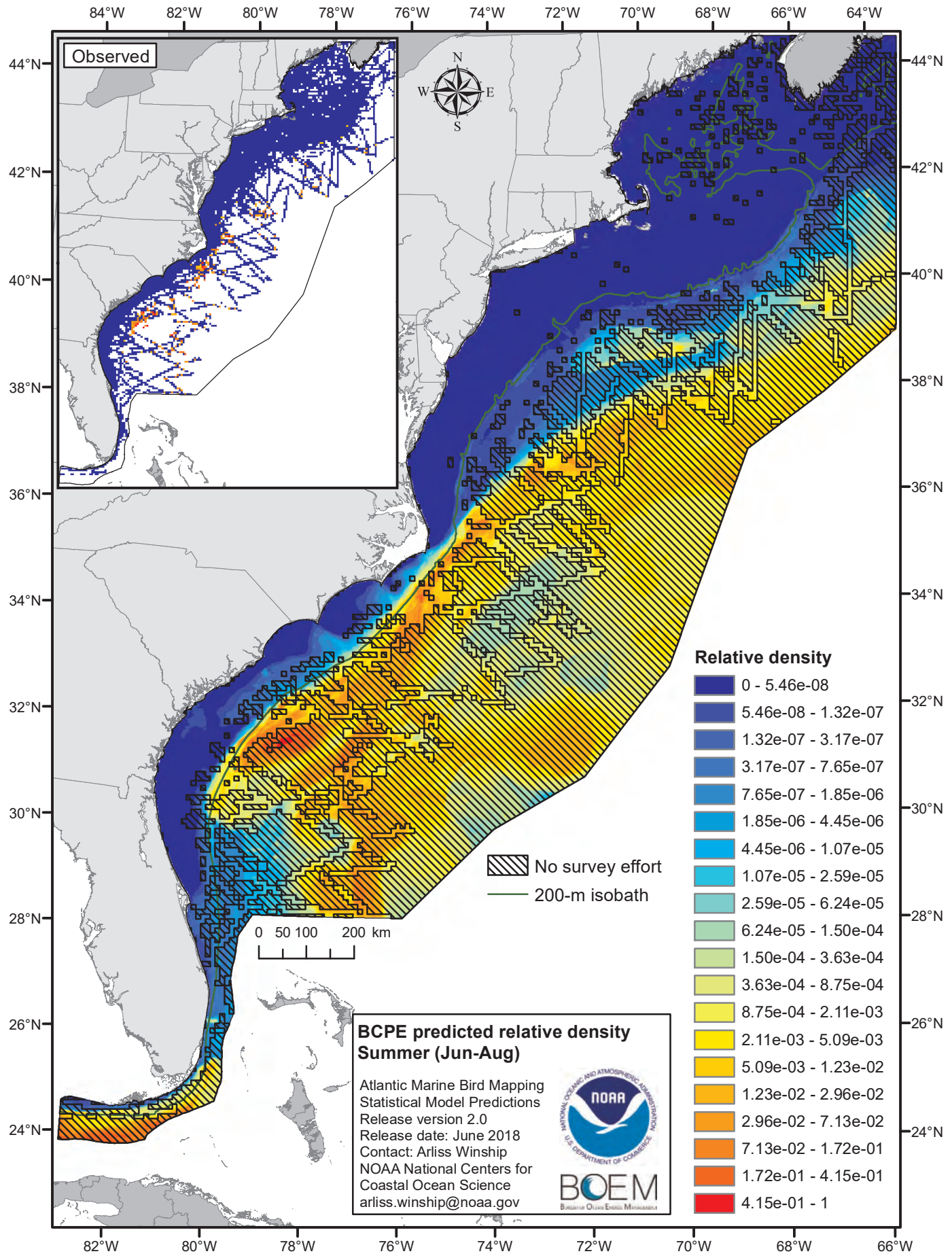
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
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66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.46e-08
5.46e-08 - 1.32e-07
1.32e-07 - 3.17e-07
3.17e-07 - 7.65e-07
7.65e-07 - 1.85e-06
1.85e-06 - 4.45e-06
4.45e-06 - 1.07e-05
1.07e-05 - 2.59e-05
2.59e-05 - 6.24e-05
6.24e-05 - 1.50e-04
1.50e-04 - 3.63e-04
3.63e-04 - 8.75e-04
8.75e-04 - 2.11e-03
2.11e-03 - 5.09e-03
5.09e-03 - 1.23e-02
1.23e-02 - 2.96e-02
2.96e-02 - 7.13e-02
7.13e-02 - 1.72e-01
1.72e-01 - 4.15e-01
4.15e-01 - 1
BCPE predicted relative density
Summer (Jun-Aug)
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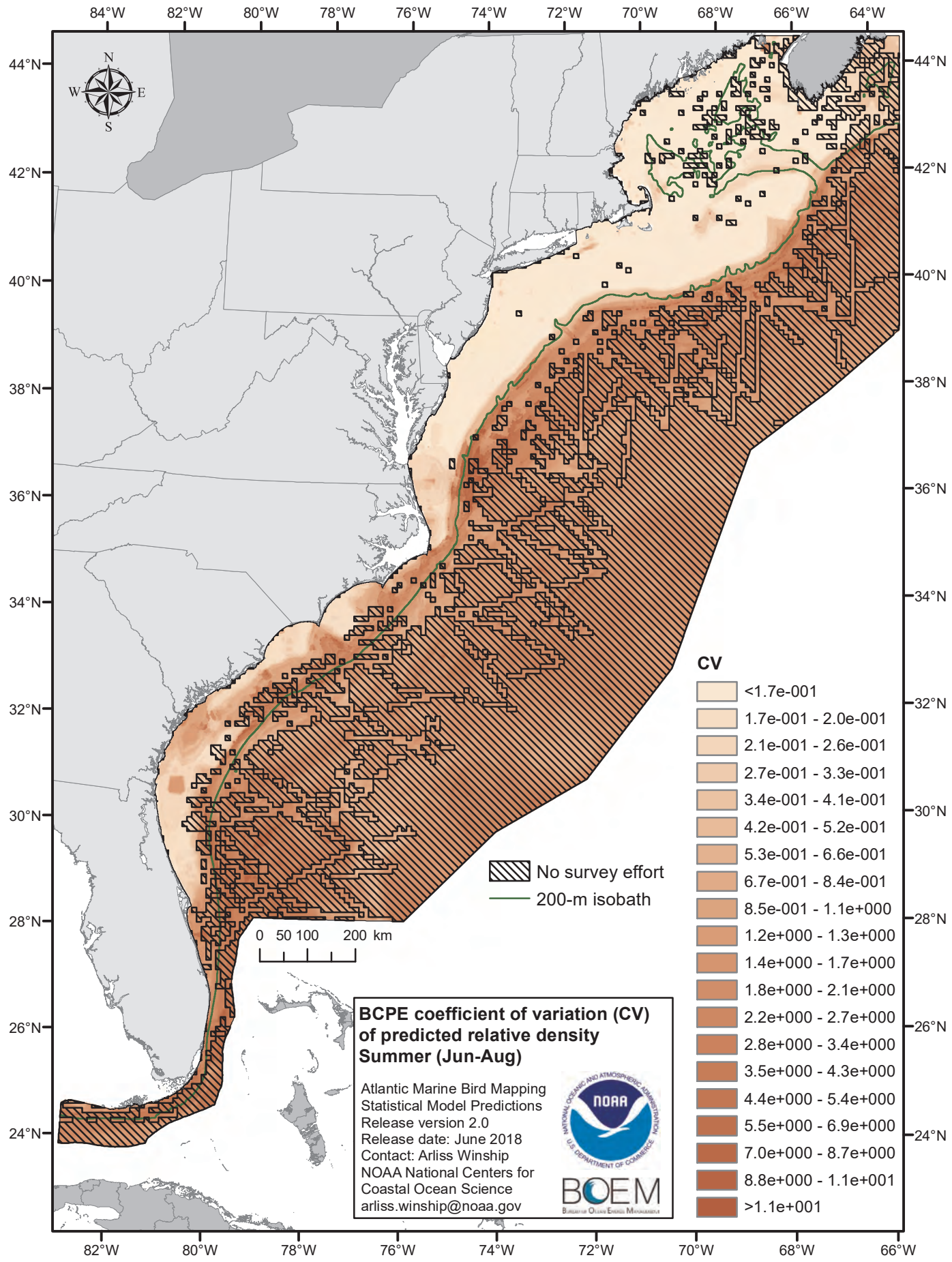
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.7e-001
1.7e-001 - 2.0e-001
2.1e-001 - 2.6e-001
2.7e-001 - 3.3e-001
3.4e-001 - 4.1e-001
4.2e-001 - 5.2e-001
5.3e-001 - 6.6e-001
6.7e-001 - 8.4e-001
8.5e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.7e+000
2.8e+000 - 3.4e+000
3.5e+000 - 4.3e+000
4.4e+000 - 5.4e+000
5.5e+000 - 6.9e+000
7.0e+000 - 8.7e+000
8.8e+000 - 1.1e+001
>1.1e+001
BCPE coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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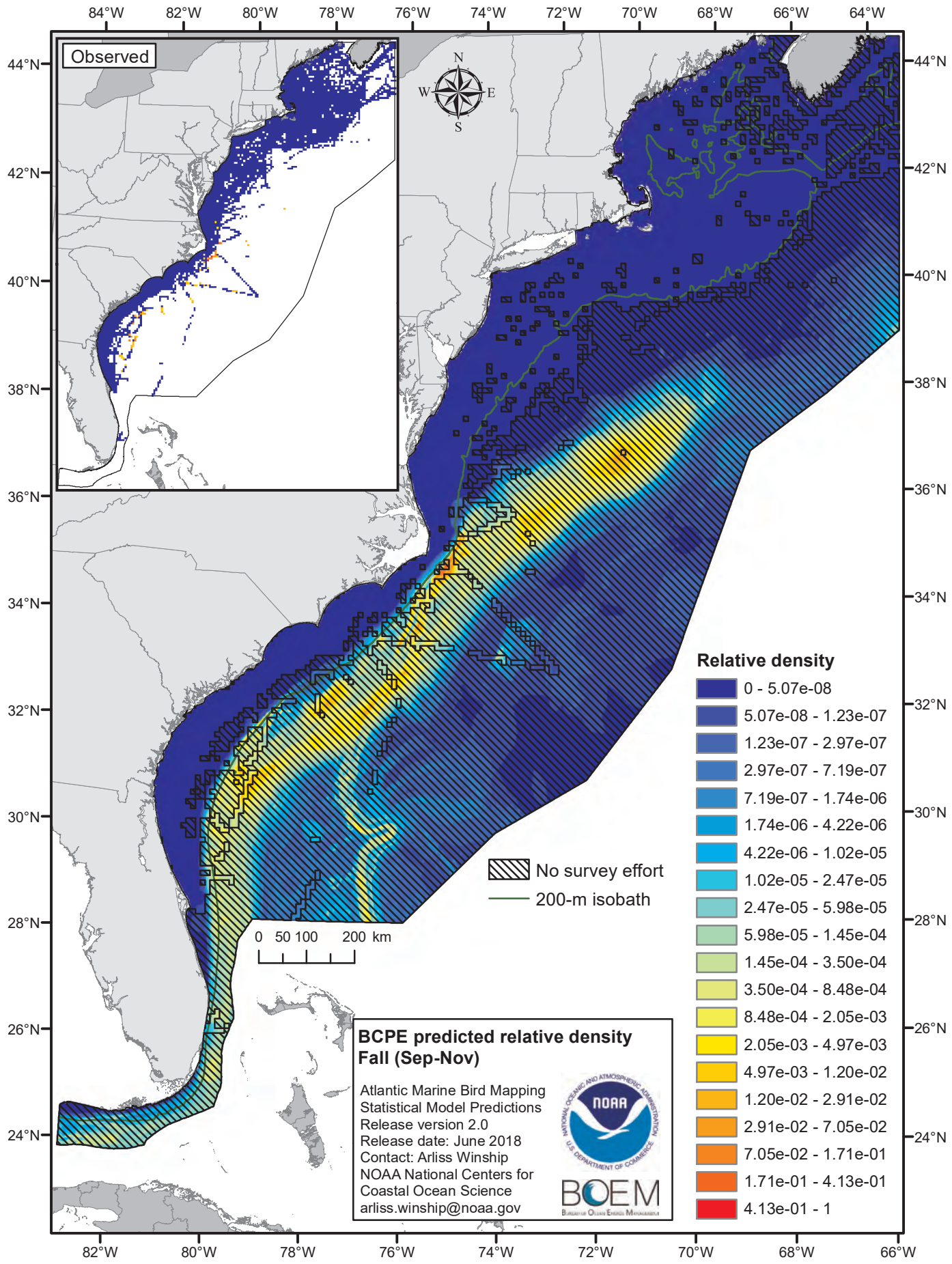
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.07e-08
5.07e-08 - 1.23e-07
1.23e-07 - 2.97e-07
2.97e-07 - 7.19e-07
7.19e-07 - 1.74e-06
1.74e-06 - 4.22e-06
4.22e-06 - 1.02e-05
1.02e-05 - 2.47e-05
2.47e-05 - 5.98e-05
5.98e-05 - 1.45e-04
1.45e-04 - 3.50e-04
3.50e-04 - 8.48e-04
8.48e-04 - 2.05e-03
2.05e-03 - 4.97e-03
4.97e-03 - 1.20e-02
1.20e-02 - 2.91e-02
2.91e-02 - 7.05e-02
7.05e-02 - 1.71e-01
1.71e-01 - 4.13e-01
4.13e-01 - 1
BCPE predicted relative density
Fall (Sep-Nov)
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Statistical Model Predictions
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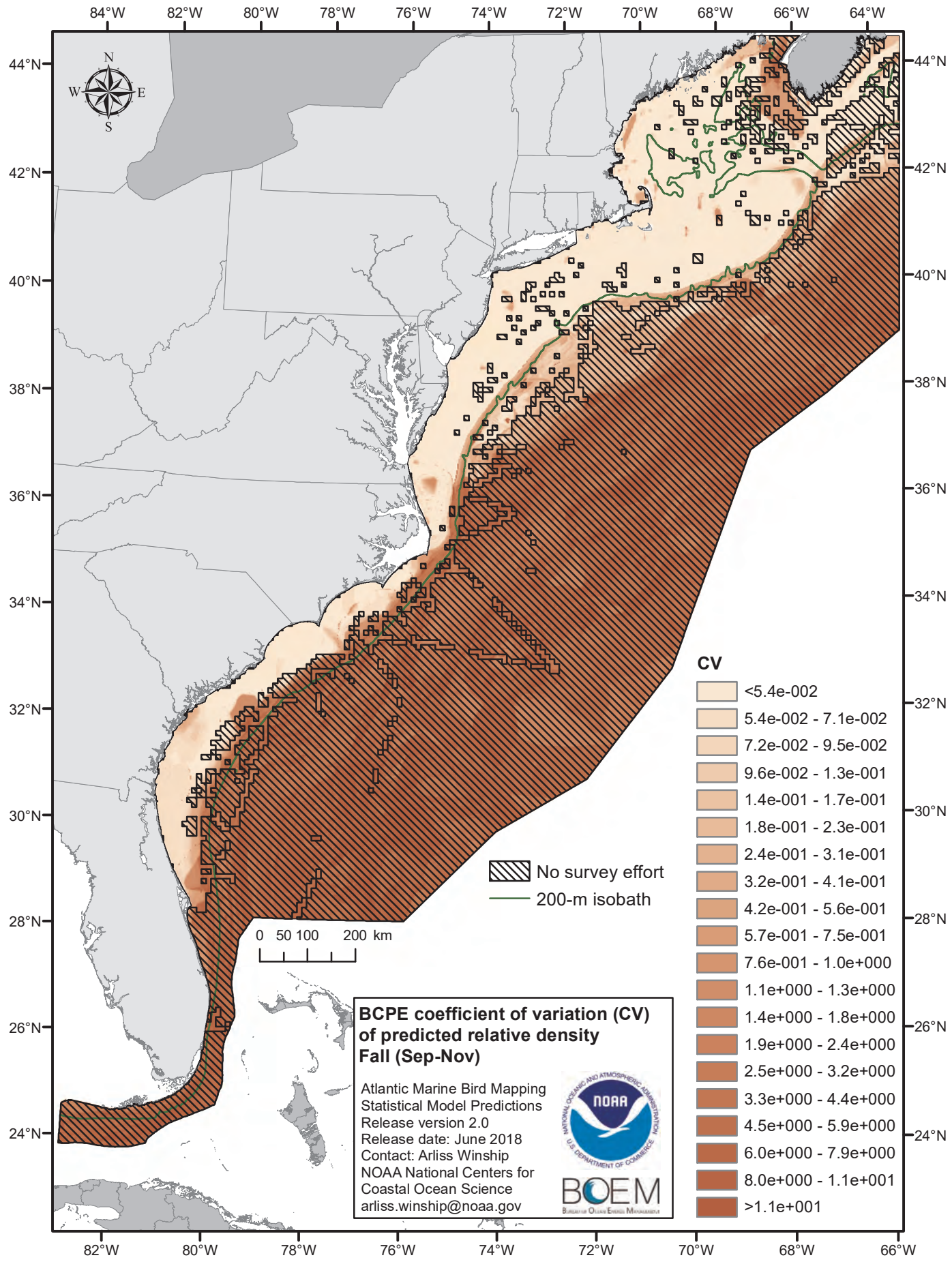
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.4e-002
5.4e-002 - 7.1e-002
7.2e-002 - 9.5e-002
9.6e-002 - 1.3e-001
1.4e-001 - 1.7e-001
1.8e-001 - 2.3e-001
2.4e-001 - 3.1e-001
3.2e-001 - 4.1e-001
4.2e-001 - 5.6e-001
5.7e-001 - 7.5e-001
7.6e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.8e+000
1.9e+000 - 2.4e+000
2.5e+000 - 3.2e+000
3.3e+000 - 4.4e+000
4.5e+000 - 5.9e+000
6.0e+000 - 7.9e+000
8.0e+000 - 1.1e+001
>1.1e+001
BCPE coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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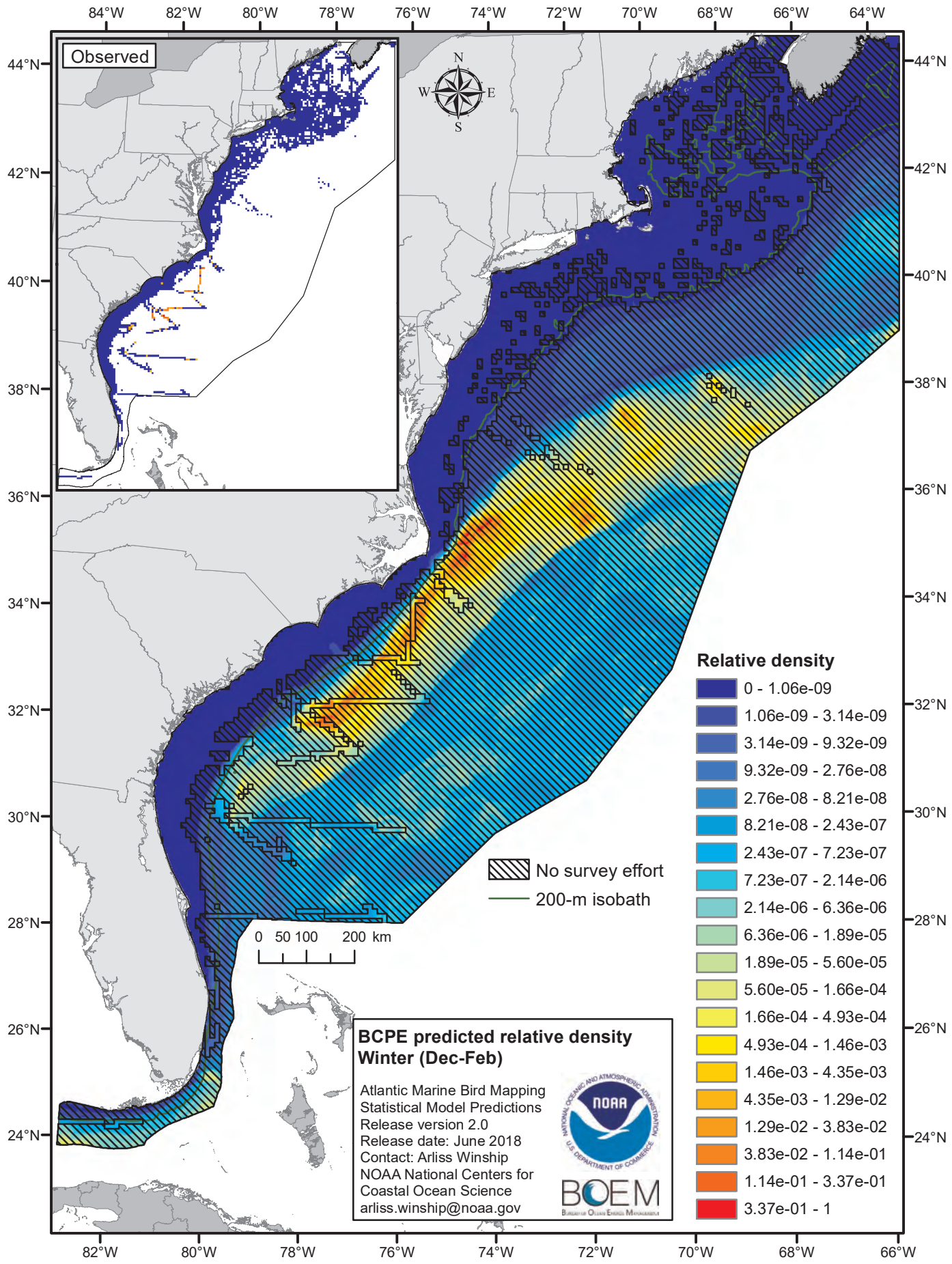
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.06e-09
1.06e-09 - 3.14e-09
3.14e-09 - 9.32e-09
9.32e-09 - 2.76e-08
2.76e-08 - 8.21e-08
8.21e-08 - 2.43e-07
2.43e-07 - 7.23e-07
7.23e-07 - 2.14e-06
2.14e-06 - 6.36e-06
6.36e-06 - 1.89e-05
1.89e-05 - 5.60e-05
5.60e-05 - 1.66e-04
1.66e-04 - 4.93e-04
4.93e-04 - 1.46e-03
1.46e-03 - 4.35e-03
4.35e-03 - 1.29e-02
1.29e-02 - 3.83e-02
3.83e-02 - 1.14e-01
1.14e-01 - 3.37e-01
3.37e-01 - 1
BCPE predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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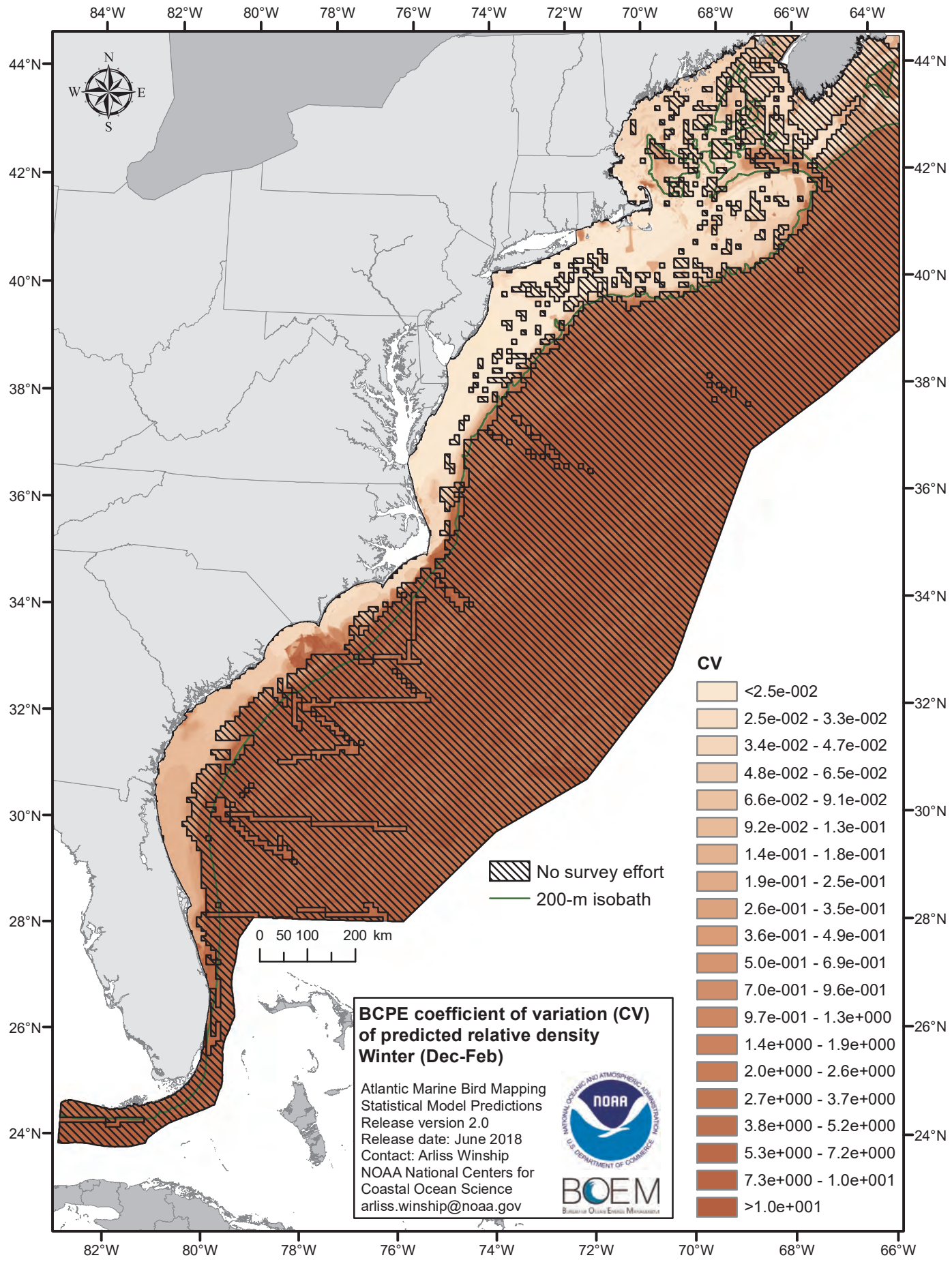
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.5e-002
2.5e-002 - 3.3e-002
3.4e-002 - 4.7e-002
4.8e-002 - 6.5e-002
6.6e-002 - 9.1e-002
9.2e-002 - 1.3e-001
1.4e-001 - 1.8e-001
1.9e-001 - 2.5e-001
2.6e-001 - 3.5e-001
3.6e-001 - 4.9e-001
5.0e-001 - 6.9e-001
7.0e-001 - 9.6e-001
9.7e-001 - 1.3e+000
1.4e+000 - 1.9e+000
2.0e+000 - 2.6e+000
2.7e+000 - 3.7e+000
3.8e+000 - 5.2e+000
5.3e+000 - 7.2e+000
7.3e+000 - 1.0e+001
>1.0e+001
BCPE coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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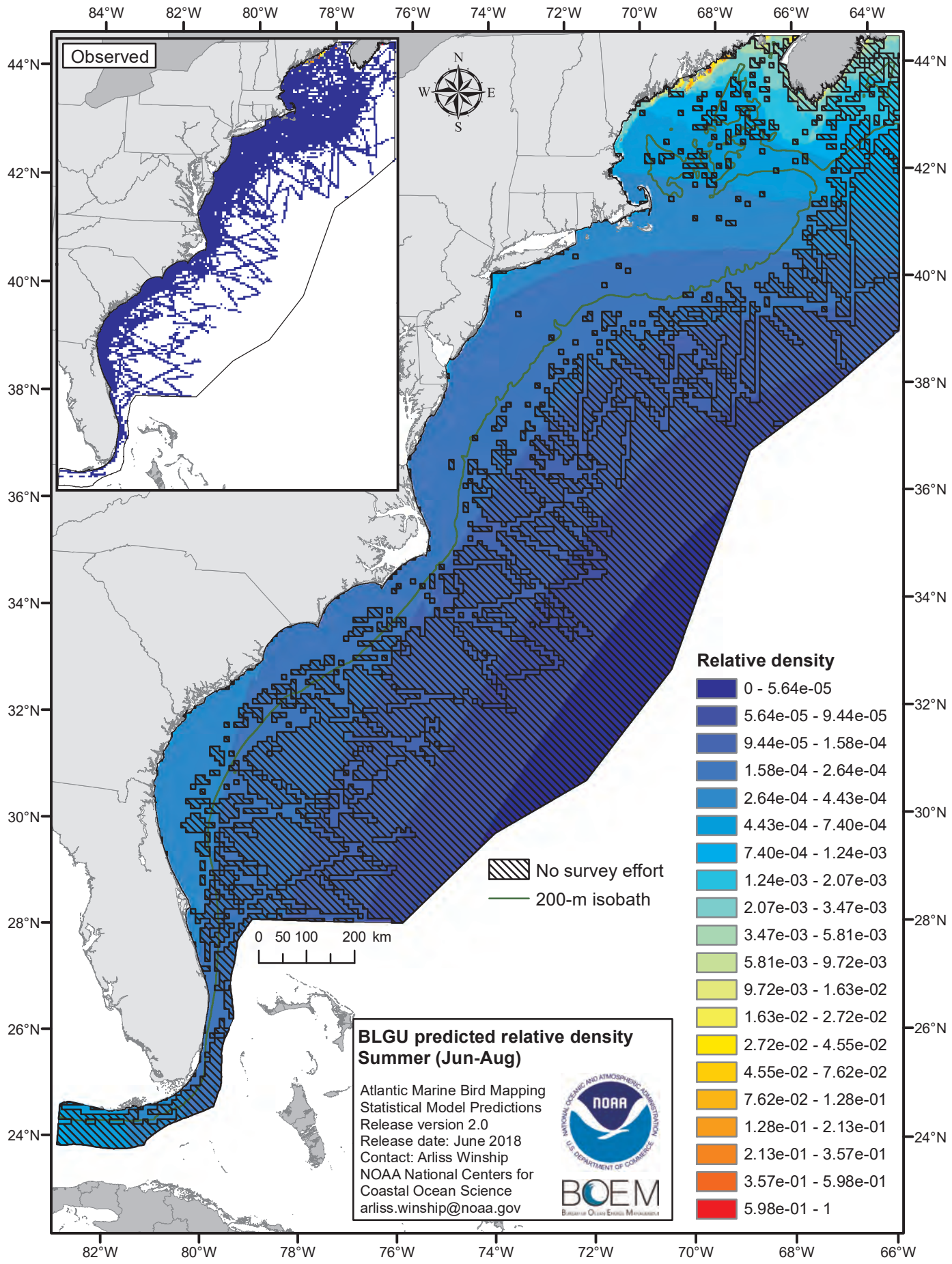
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 5.64e-05
5.64e-05 - 9.44e-05
9.44e-05 - 1.58e-04
1.58e-04 - 2.64e-04
2.64e-04 - 4.43e-04
4.43e-04 - 7.40e-04
7.40e-04 - 1.24e-03
1.24e-03 - 2.07e-03
2.07e-03 - 3.47e-03
3.47e-03 - 5.81e-03
5.81e-03 - 9.72e-03
9.72e-03 - 1.63e-02
1.63e-02 - 2.72e-02
2.72e-02 - 4.55e-02
4.55e-02 - 7.62e-02
7.62e-02 - 1.28e-01
1.28e-01 - 2.13e-01
2.13e-01 - 3.57e-01
3.57e-01 - 5.98e-01
5.98e-01 - 1
BLGU predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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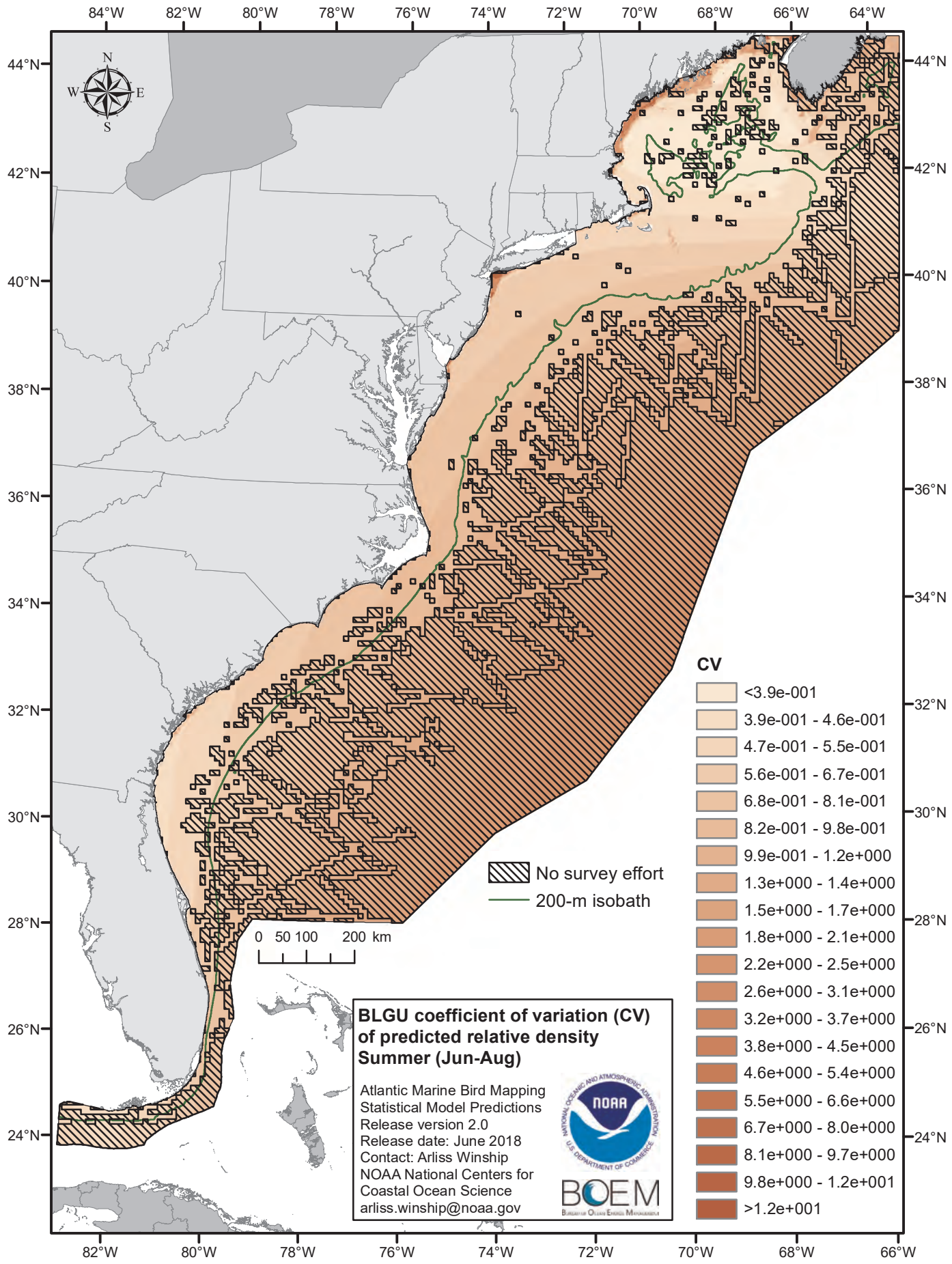
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.9e-001
3.9e-001 - 4.6e-001
4.7e-001 - 5.5e-001
5.6e-001 - 6.7e-001
6.8e-001 - 8.1e-001
8.2e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.4e+000
5.5e+000 - 6.6e+000
6.7e+000 - 8.0e+000
8.1e+000 - 9.7e+000
9.8e+000 - 1.2e+001
>1.2e+001
BLGU coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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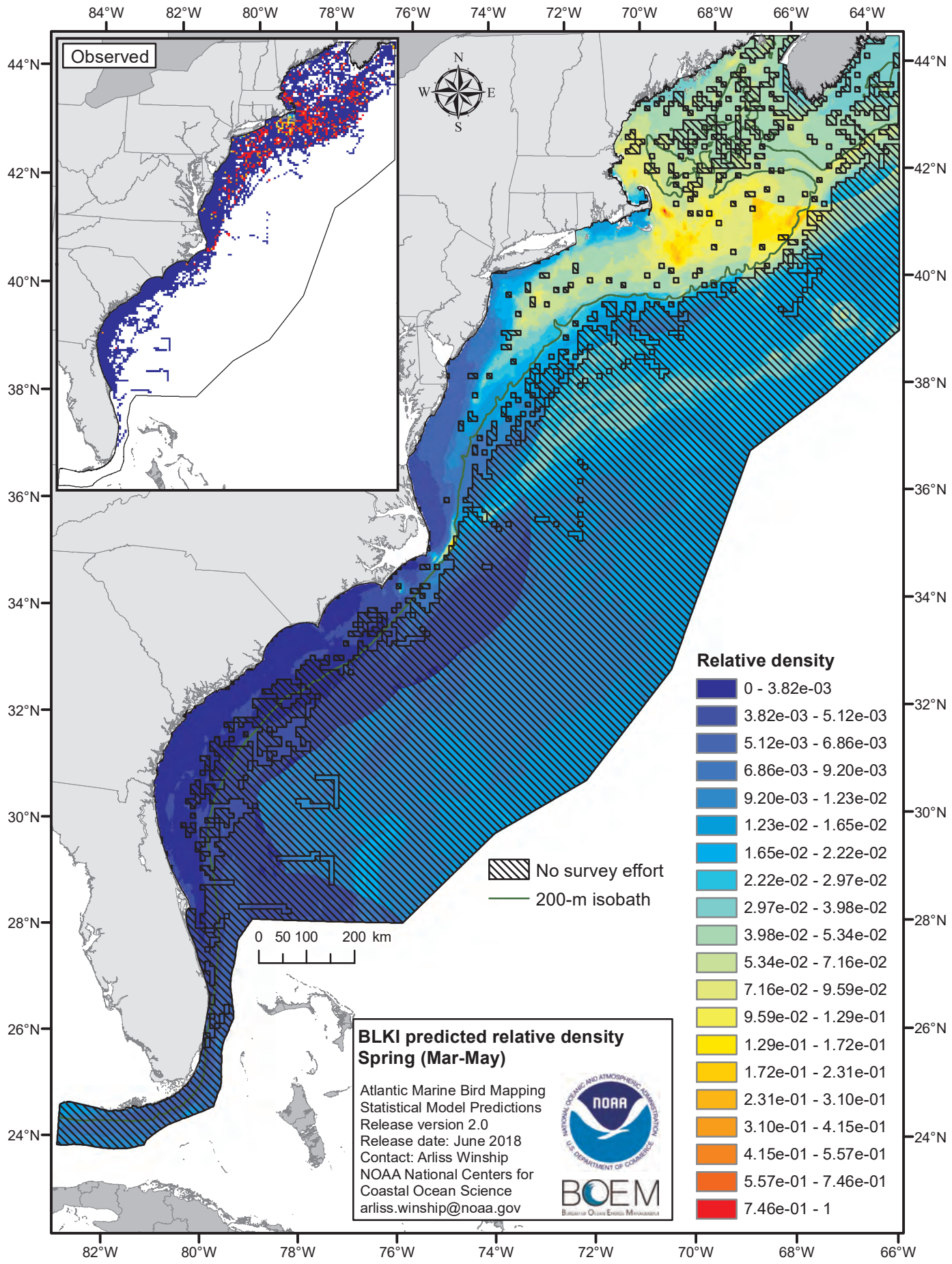
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.82e-03
3.82e-03 - 5.12e-03
5.12e-03 - 6.86e-03
6.86e-03 - 9.20e-03
9.20e-03 - 1.23e-02
1.23e-02 - 1.65e-02
1.65e-02 - 2.22e-02
2.22e-02 - 2.97e-02
2.97e-02 - 3.98e-02
3.98e-02 - 5.34e-02
5.34e-02 - 7.16e-02
7.16e-02 - 9.59e-02
9.59e-02 - 1.29e-01
1.29e-01 - 1.72e-01
1.72e-01 - 2.31e-01
2.31e-01 - 3.10e-01
3.10e-01 - 4.15e-01
4.15e-01 - 5.57e-01
5.57e-01 - 7.46e-01
7.46e-01 - 1
BLKI predicted relative density
Spring (Mar-May)
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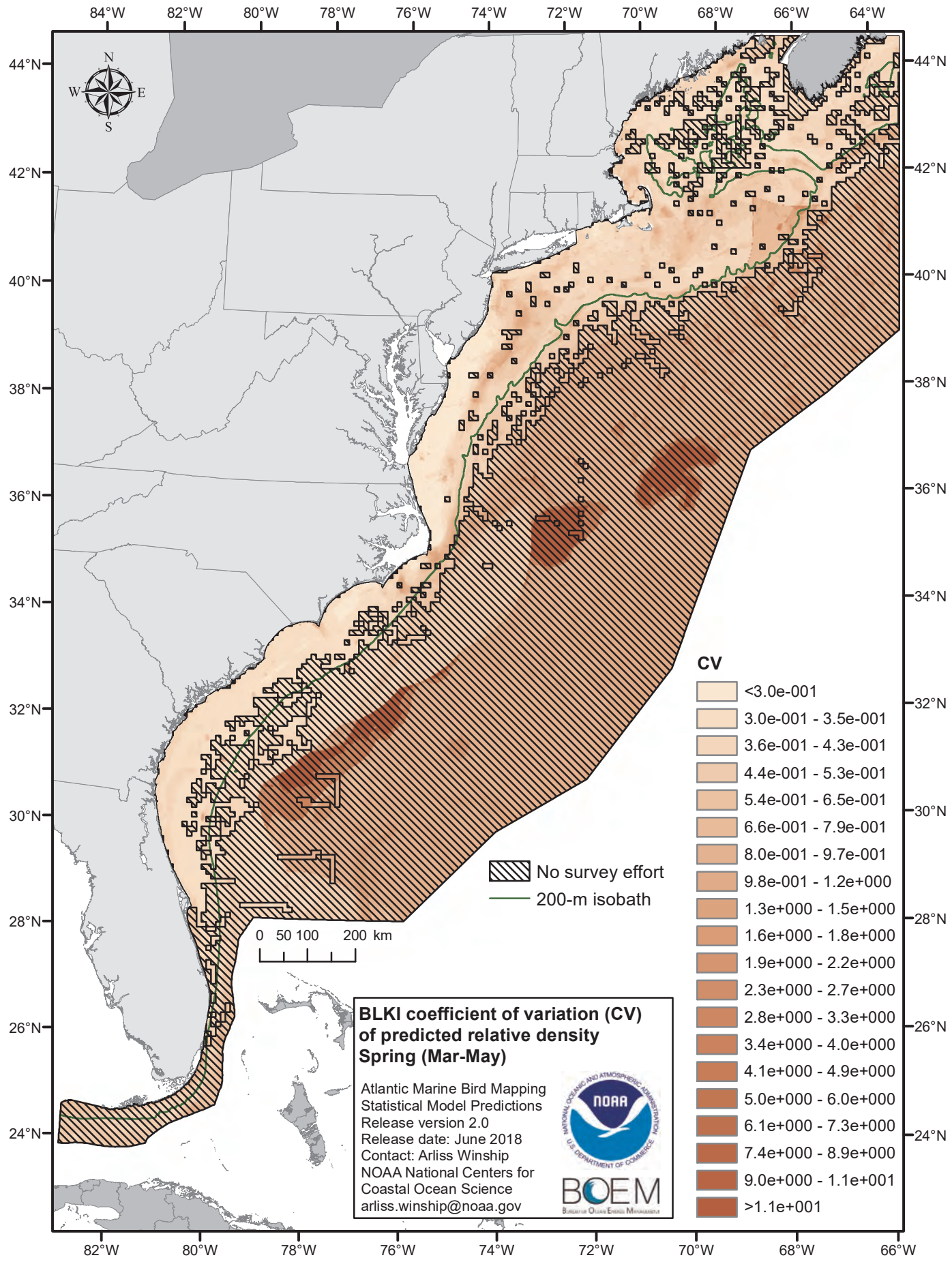
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.0e-001
3.0e-001 - 3.5e-001
3.6e-001 - 4.3e-001
4.4e-001 - 5.3e-001
5.4e-001 - 6.5e-001
6.6e-001 - 7.9e-001
8.0e-001 - 9.7e-001
9.8e-001 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.0e+000
6.1e+000 - 7.3e+000
7.4e+000 - 8.9e+000
9.0e+000 - 1.1e+001
>1.1e+001
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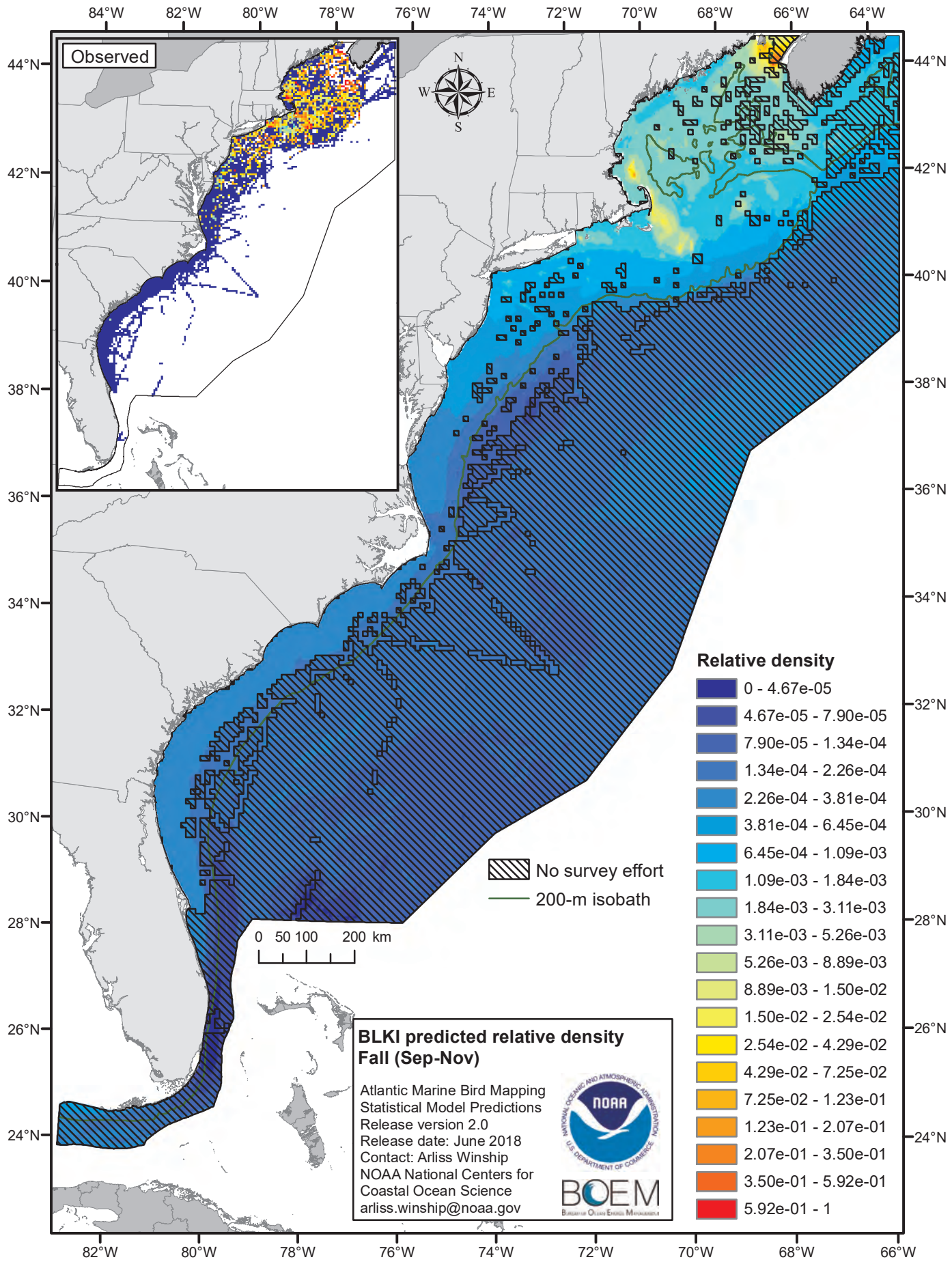
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.67e-05
4.67e-05 - 7.90e-05
7.90e-05 - 1.34e-04
1.34e-04 - 2.26e-04
2.26e-04 - 3.81e-04
3.81e-04 - 6.45e-04
6.45e-04 - 1.09e-03
1.09e-03 - 1.84e-03
1.84e-03 - 3.11e-03
3.11e-03 - 5.26e-03
5.26e-03 - 8.89e-03
8.89e-03 - 1.50e-02
1.50e-02 - 2.54e-02
2.54e-02 - 4.29e-02
4.29e-02 - 7.25e-02
7.25e-02 - 1.23e-01
1.23e-01 - 2.07e-01
2.07e-01 - 3.50e-01
3.50e-01 - 5.92e-01
5.92e-01 - 1
BLKI predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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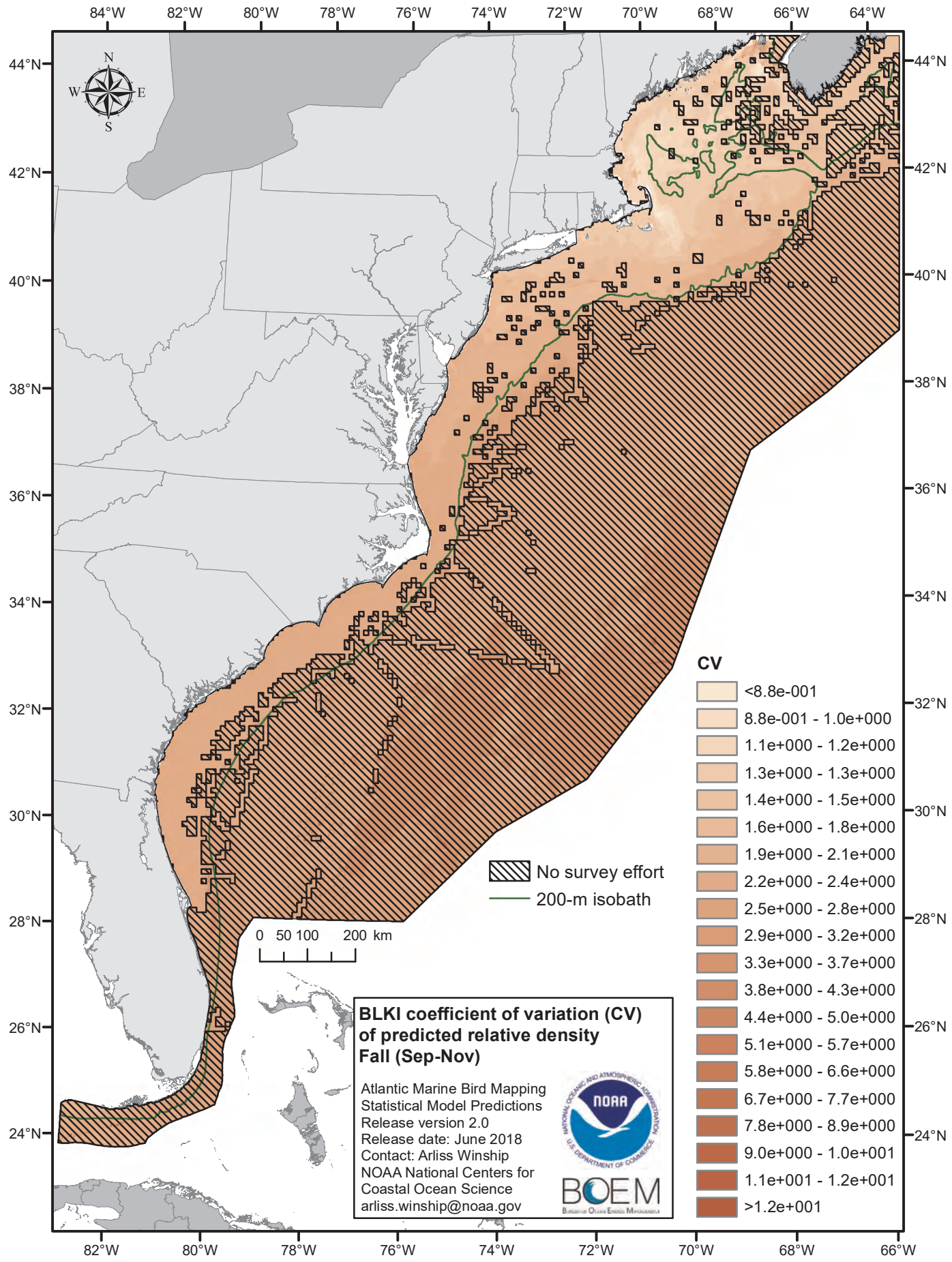
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<8.8e-001
8.8e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.2e+000
3.3e+000 - 3.7e+000
3.8e+000 - 4.3e+000
4.4e+000 - 5.0e+000
5.1e+000 - 5.7e+000
5.8e+000 - 6.6e+000
6.7e+000 - 7.7e+000
7.8e+000 - 8.9e+000
9.0e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
BLKI coefficient of variation (CV) of predicted relative density
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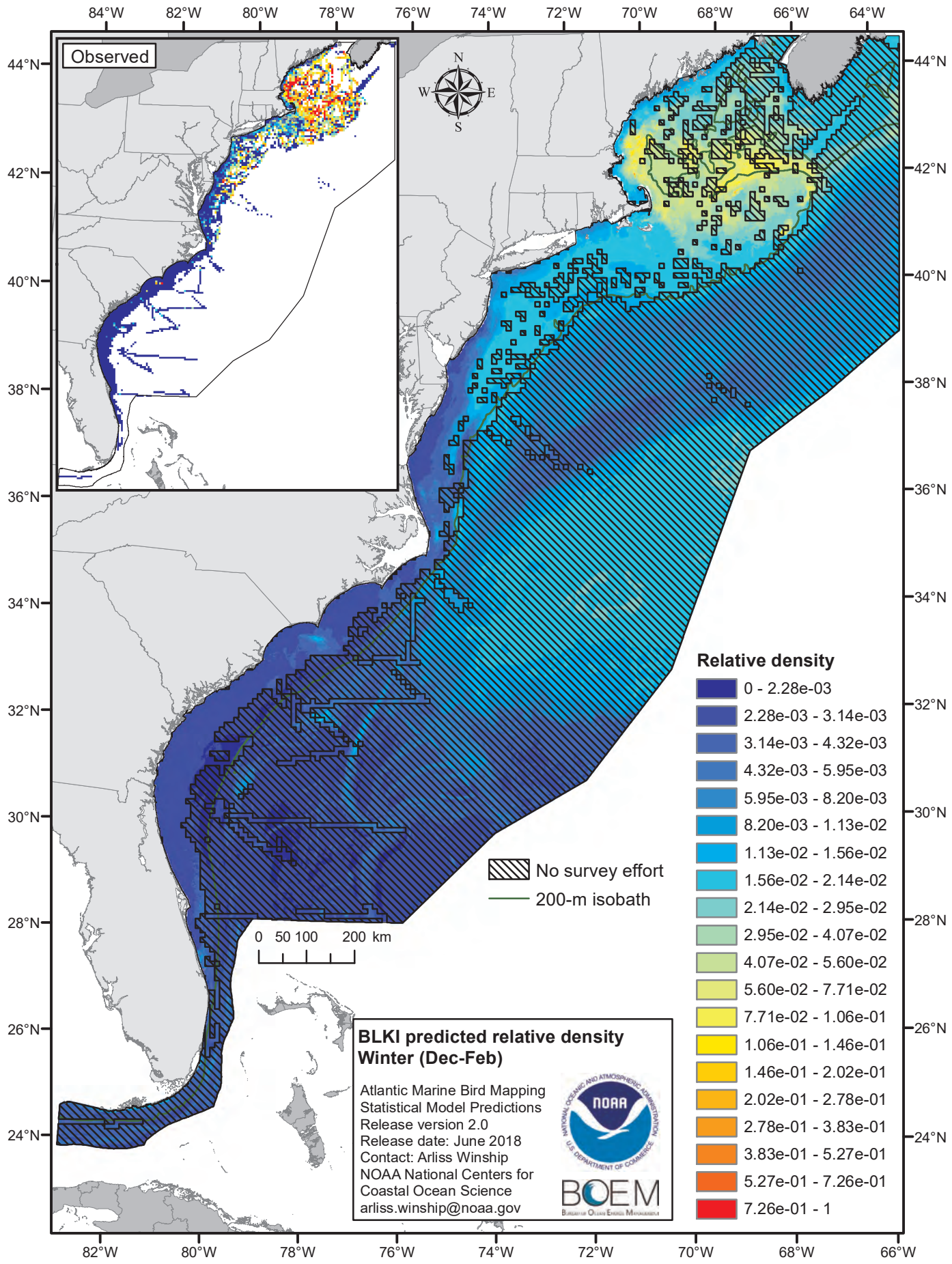
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.28e-03
2.28e-03 - 3.14e-03
3.14e-03 - 4.32e-03
4.32e-03 - 5.95e-03
5.95e-03 - 8.20e-03
8.20e-03 - 1.13e-02
1.13e-02 - 1.56e-02
1.56e-02 - 2.14e-02
2.14e-02 - 2.95e-02
2.95e-02 - 4.07e-02
4.07e-02 - 5.60e-02
5.60e-02 - 7.71e-02
7.71e-02 - 1.06e-01
1.06e-01 - 1.46e-01
1.46e-01 - 2.02e-01
2.02e-01 - 2.78e-01
2.78e-01 - 3.83e-01
3.83e-01 - 5.27e-01
5.27e-01 - 7.26e-01
7.26e-01 - 1
BLKI predicted relative density
Winter (Dec-Feb)
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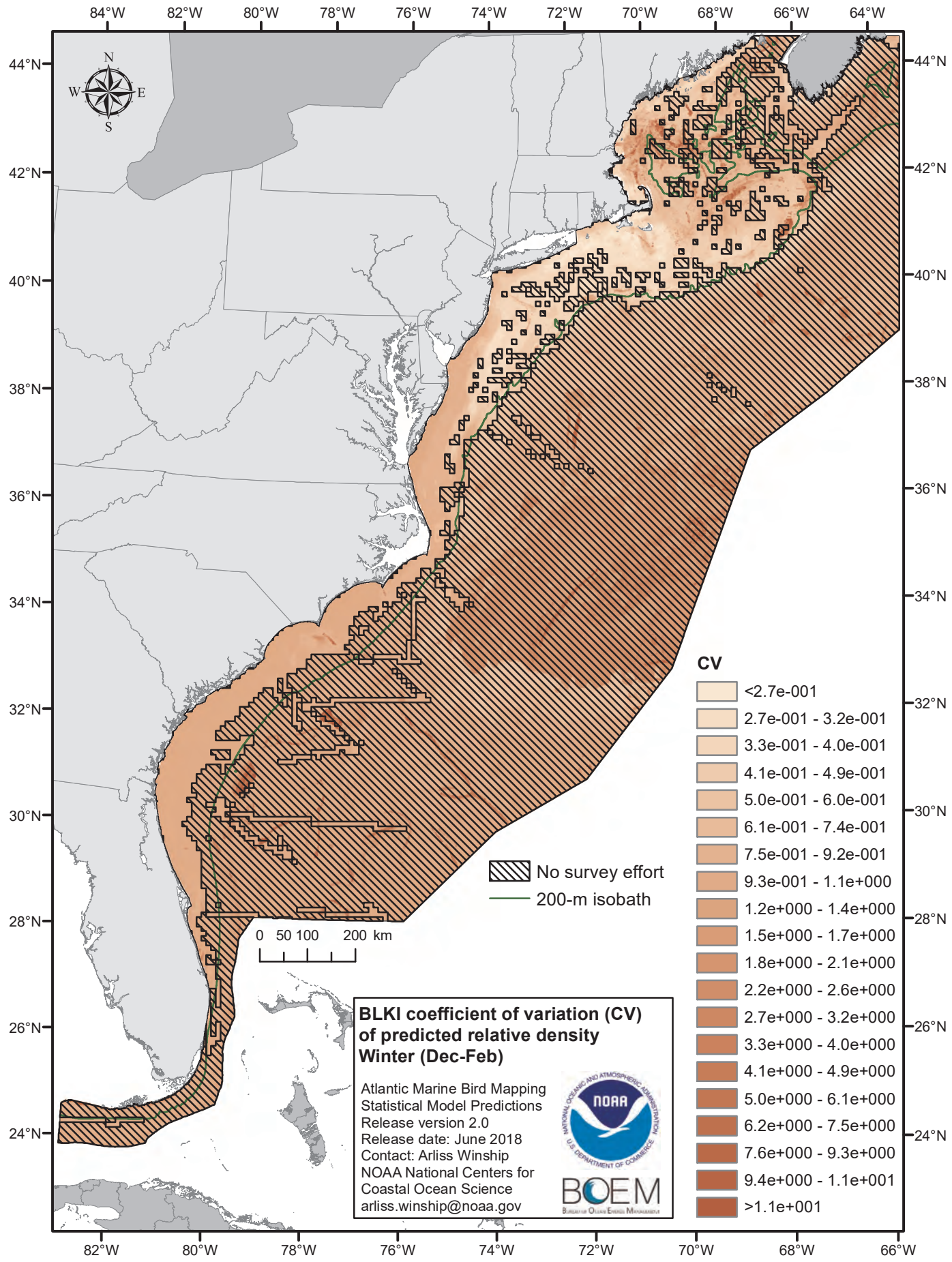
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.7e-001
2.7e-001 - 3.2e-001
3.3e-001 - 4.0e-001
4.1e-001 - 4.9e-001
5.0e-001 - 6.0e-001
6.1e-001 - 7.4e-001
7.5e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.1e+000
6.2e+000 - 7.5e+000
7.6e+000 - 9.3e+000
9.4e+000 - 1.1e+001
>1.1e+001
BLKI coefficient of variation (CV) of predicted relative density
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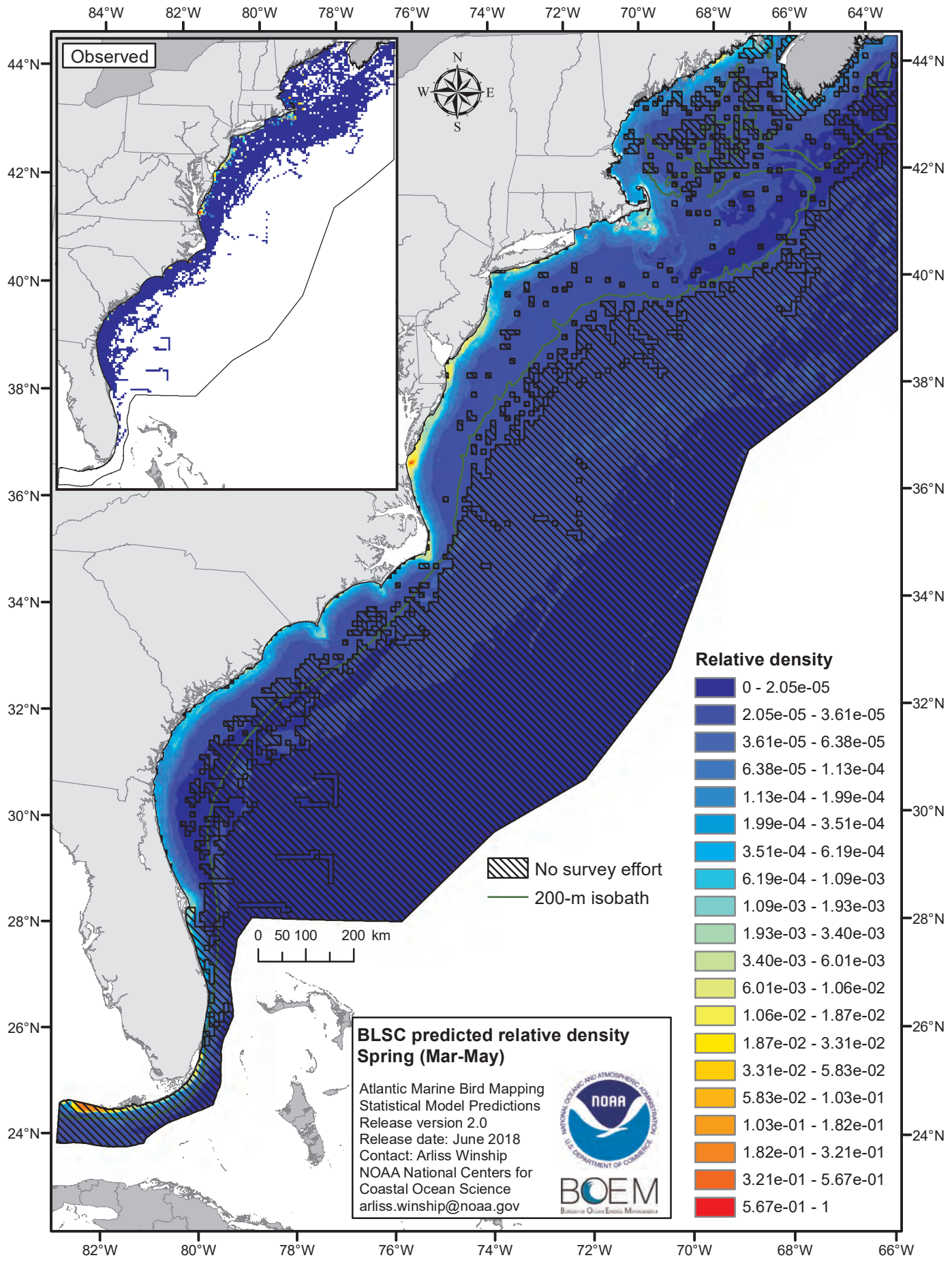
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.05e-05
2.05e-05 - 3.61e-05
3.61e-05 - 6.38e-05
6.38e-05 - 1.13e-04
1.13e-04 - 1.99e-04
1.99e-04 - 3.51e-04
3.51e-04 - 6.19e-04
6.19e-04 - 1.09e-03
1.09e-03 - 1.93e-03
1.93e-03 - 3.40e-03
3.40e-03 - 6.01e-03
6.01e-03 - 1.06e-02
1.06e-02 - 1.87e-02
1.87e-02 - 3.31e-02
3.31e-02 - 5.83e-02
5.83e-02 - 1.03e-01
1.03e-01 - 1.82e-01
1.82e-01 - 3.21e-01
3.21e-01 - 5.67e-01
5.67e-01 - 1
BLSC predicted relative density
Spring (Mar-May)
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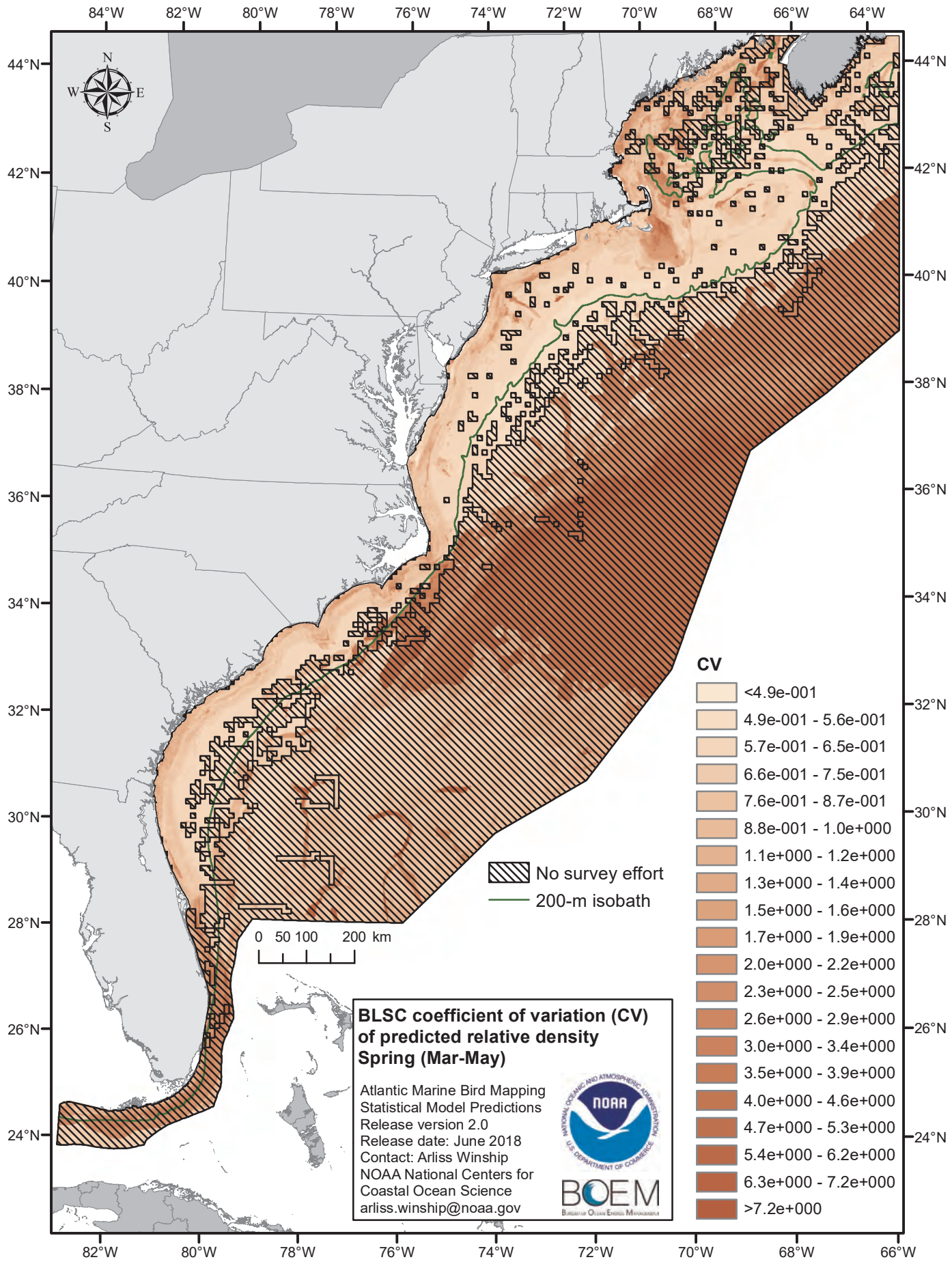
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.9e-001
4.9e-001 - 5.6e-001
5.7e-001 - 6.5e-001
6.6e-001 - 7.5e-001
7.6e-001 - 8.7e-001
8.8e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.4e+000
3.5e+000 - 3.9e+000
4.0e+000 - 4.6e+000
4.7e+000 - 5.3e+000
5.4e+000 - 6.2e+000
6.3e+000 - 7.2e+000
>7.2e+000
BLSC coefficient of variation (CV) of predicted relative density
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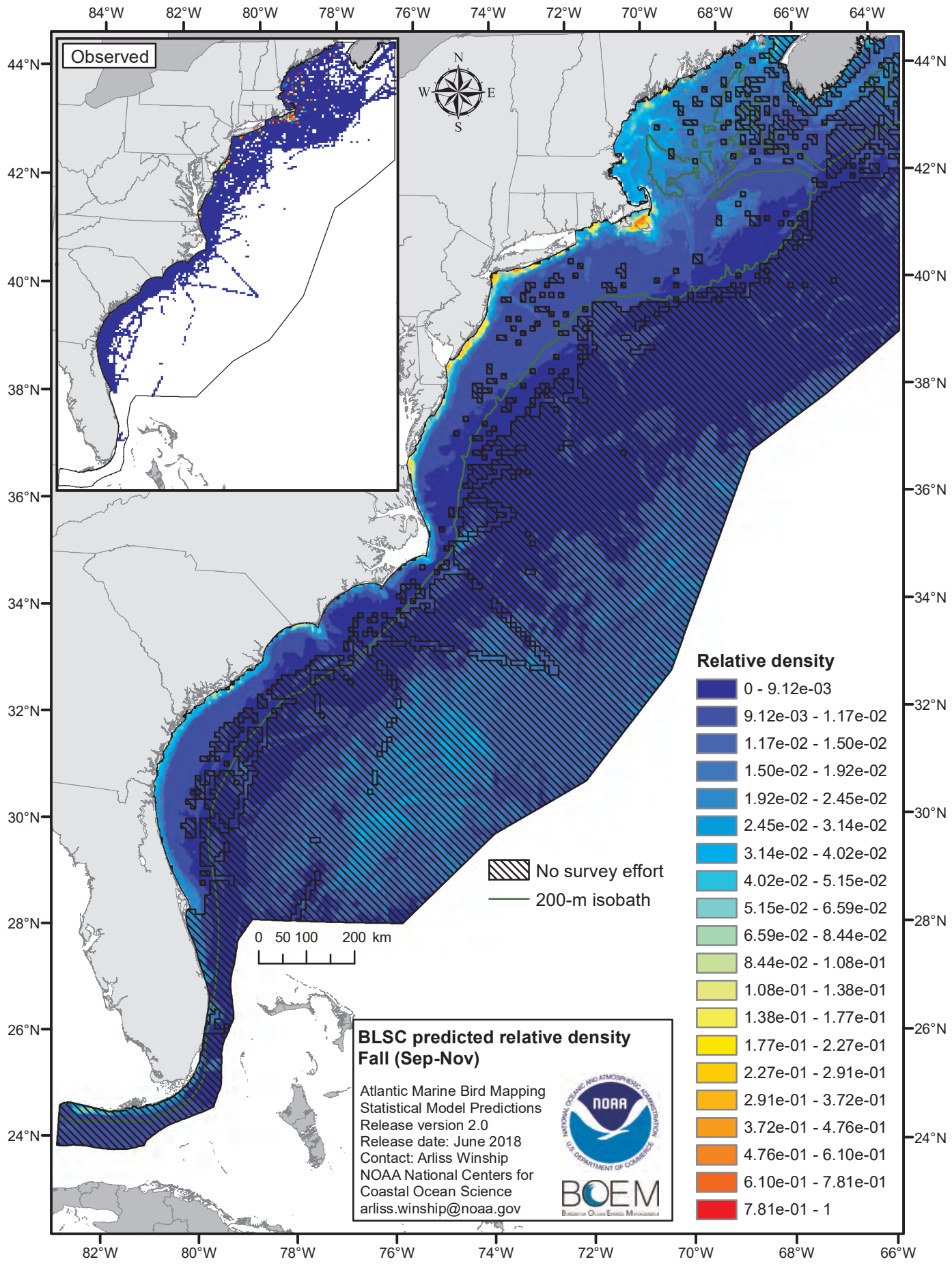
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
Relative density
0 - 9.12e-03
9.12e-03 - 1.17e-02
1.17e-02 - 1.50e-02
1.50e-02 - 1.92e-02
1.92e-02 - 2.45e-02
2.45e-02 - 3.14e-02
3.14e-02 - 4.02e-02
4.02e-02 - 5.15e-02
5.15e-02 - 6.59e-02
6.59e-02 - 8.44e-02
8.44e-02 - 1.08e-01
1.08e-01 - 1.38e-01
1.38e-01 - 1.77e-01
1.77e-01 - 2.27e-01
2.27e-01 - 2.91e-01
2.91e-01 - 3.72e-01
3.72e-01 - 4.76e-01
4.76e-01 - 6.10e-01
6.10e-01 - 7.81e-01
7.81e-01 - 1
No survey effort
200-m isobath
0 50 100 200 km
BLSC predicted relative density
Fall (Sep-Nov)
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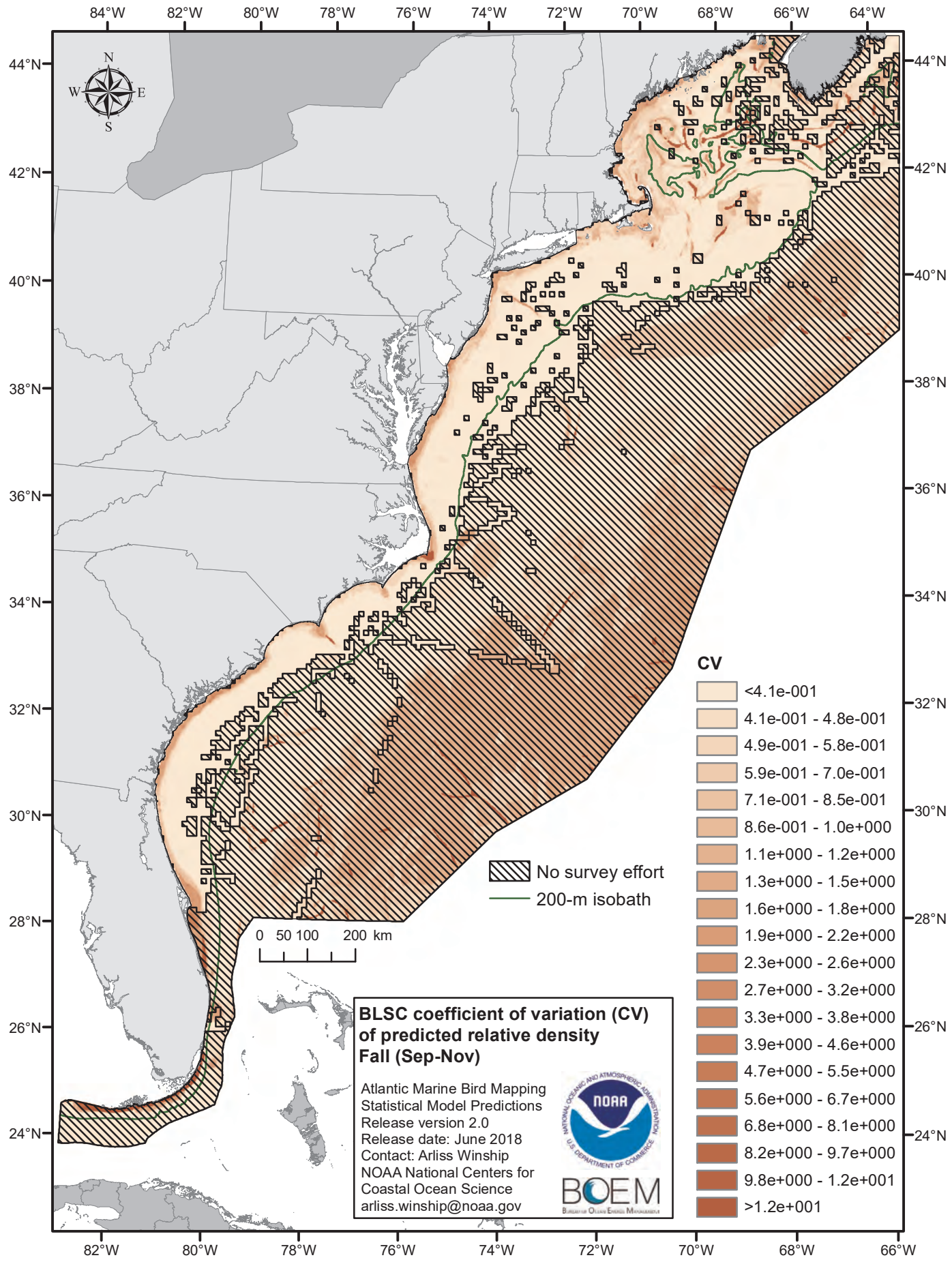
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<4.1e-001
4.1e-001 - 4.8e-001
4.9e-001 - 5.8e-001
5.9e-001 - 7.0e-001
7.1e-001 - 8.5e-001
8.6e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 3.8e+000
3.9e+000 - 4.6e+000
4.7e+000 - 5.5e+000
5.6e+000 - 6.7e+000
6.8e+000 - 8.1e+000
8.2e+000 - 9.7e+000
9.8e+000 - 1.2e+001
>1.2e+001
BLSC coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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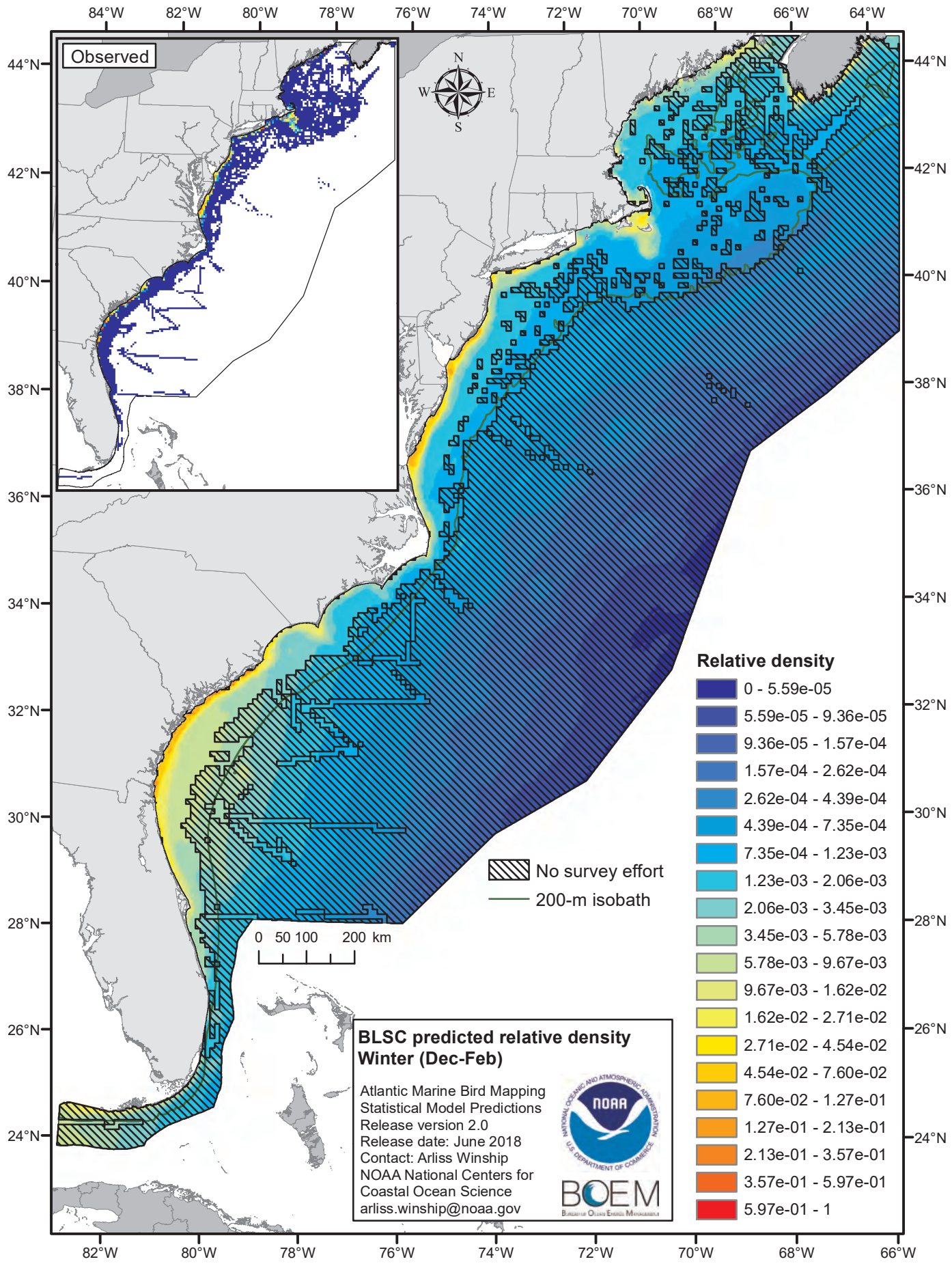
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.59e-05
5.59e-05 - 9.36e-05
9.36e-05 - 1.57e-04
1.57e-04 - 2.62e-04
2.62e-04 - 4.39e-04
4.39e-04 - 7.35e-04
7.35e-04 - 1.23e-03
1.23e-03 - 2.06e-03
2.06e-03 - 3.45e-03
3.45e-03 - 5.78e-03
5.78e-03 - 9.67e-03
9.67e-03 - 1.62e-02
1.62e-02 - 2.71e-02
2.71e-02 - 4.54e-02
4.54e-02 - 7.60e-02
7.60e-02 - 1.27e-01
1.27e-01 - 2.13e-01
2.13e-01 - 3.57e-01
3.57e-01 - 5.97e-01
5.97e-01 - 1
BLSC predicted relative density
Winter (Dec-Feb)
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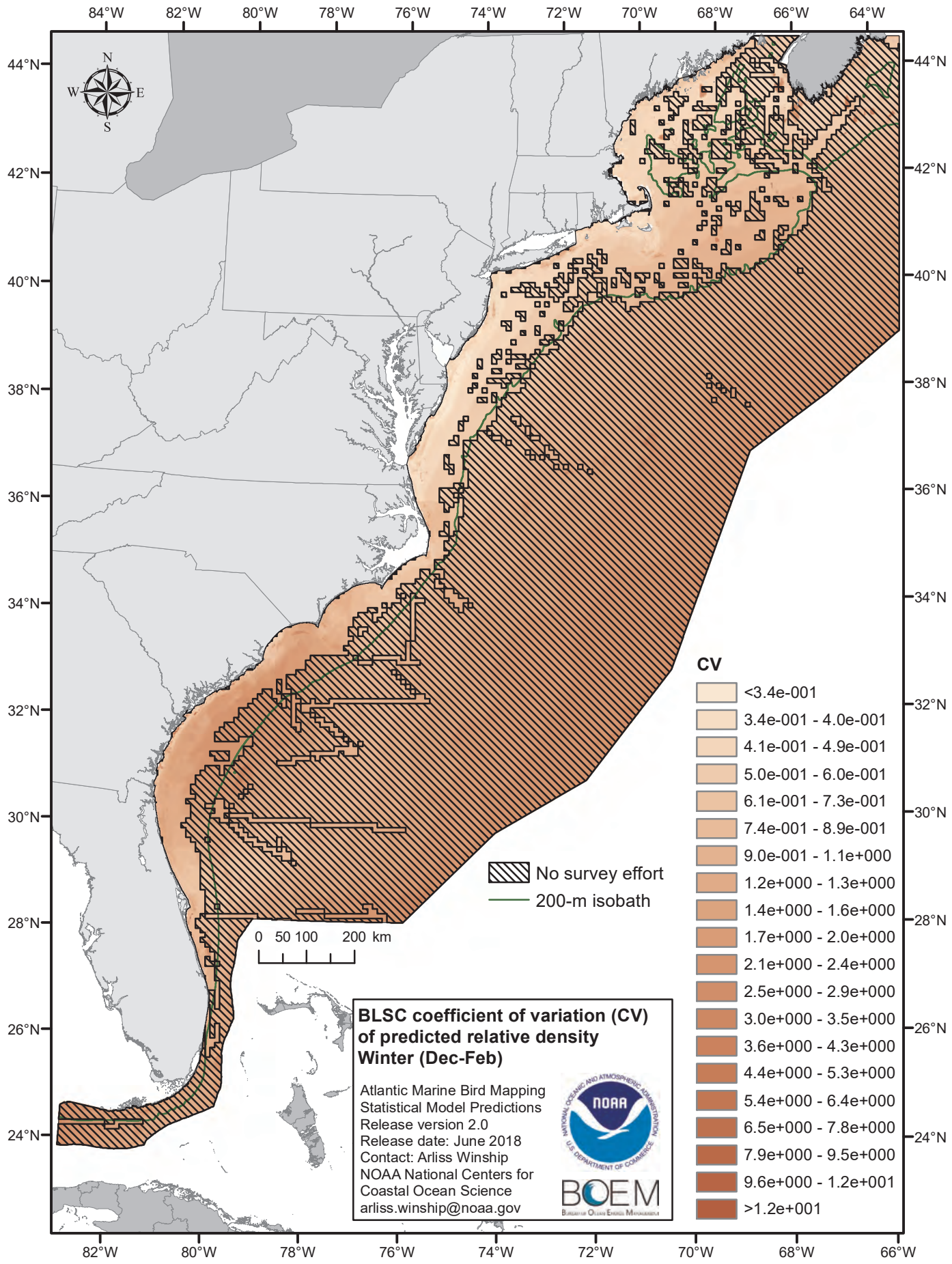
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.4e-001
3.4e-001 - 4.0e-001
4.1e-001 - 4.9e-001
5.0e-001 - 6.0e-001
6.1e-001 - 7.3e-001
7.4e-001 - 8.9e-001
9.0e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.3e+000
4.4e+000 - 5.3e+000
5.4e+000 - 6.4e+000
6.5e+000 - 7.8e+000
7.9e+000 - 9.5e+000
9.6e+000 - 1.2e+001
>1.2e+000
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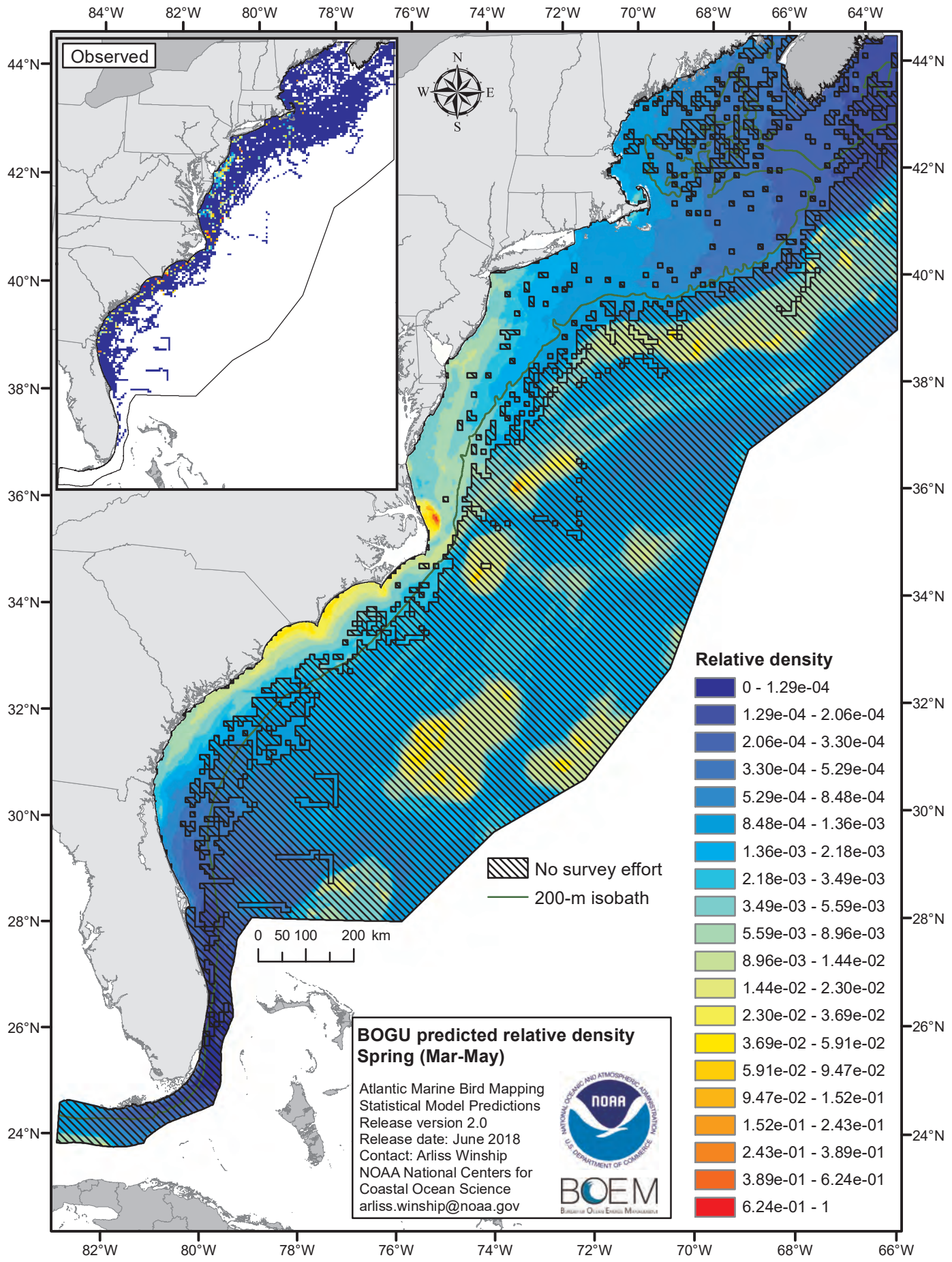
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.29e-04
1.29e-04 - 2.06e-04
2.06e-04 - 3.30e-04
3.30e-04 - 5.29e-04
5.29e-04 - 8.48e-04
8.48e-04 - 1.36e-03
1.36e-03 - 2.18e-03
2.18e-03 - 3.49e-03
3.49e-03 - 5.59e-03
5.59e-03 - 8.96e-03
8.96e-03 - 1.44e-02
1.44e-02 - 2.30e-02
2.30e-02 - 3.69e-02
3.69e-02 - 5.91e-02
5.91e-02 - 9.47e-02
9.47e-02 - 1.52e-01
1.52e-01 - 2.43e-01
2.43e-01 - 3.89e-01
3.89e-01 - 6.24e-01
6.24e-01 - 1
BOGU predicted relative density
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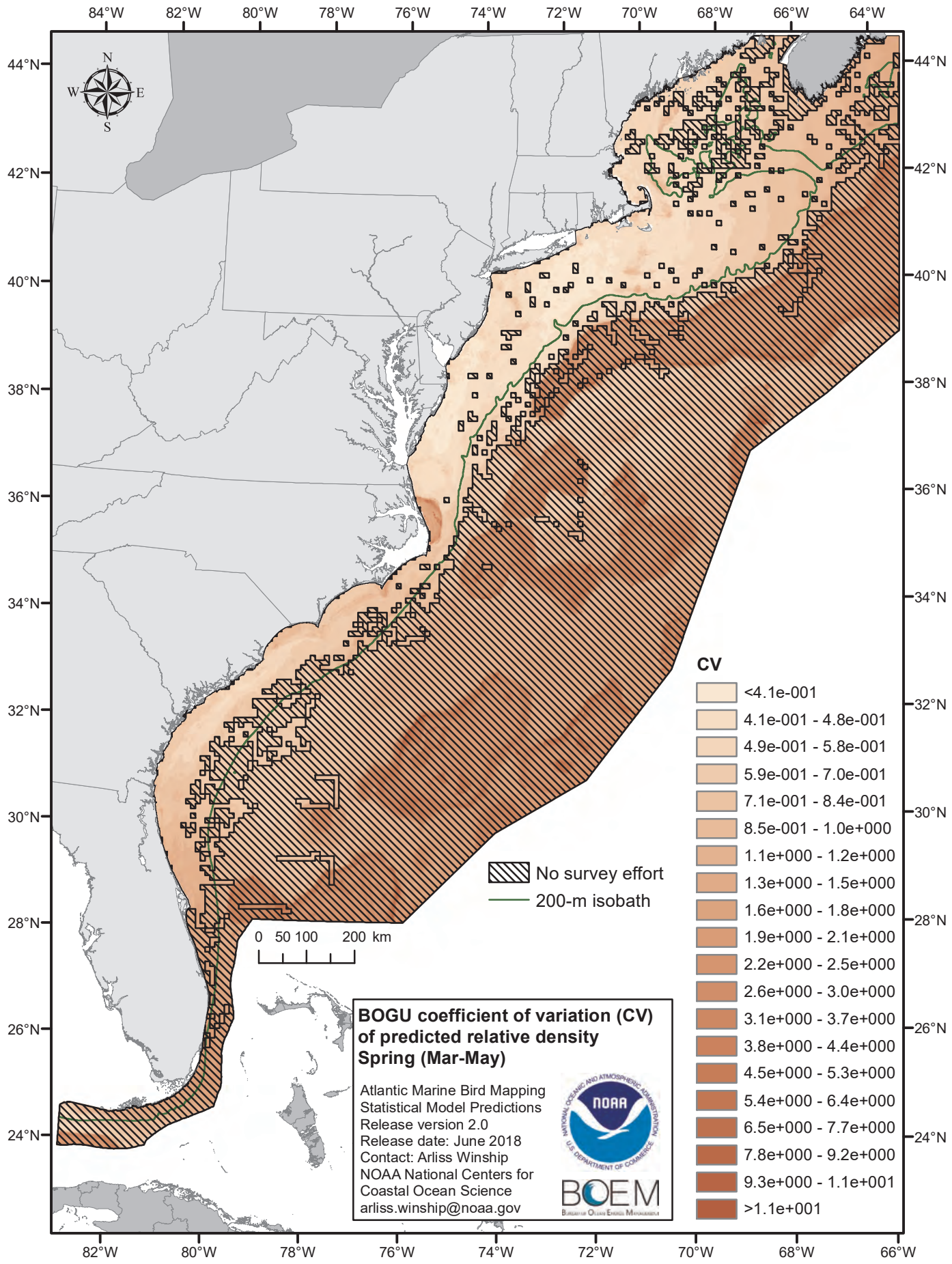
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.1e-001
4.1e-001 - 4.8e-001
4.9e-001 - 5.8e-001
5.9e-001 - 7.0e-001
7.1e-001 - 8.4e-001
8.5e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.4e+000
4.5e+000 - 5.3e+000
5.4e+000 - 6.4e+000
6.5e+000 - 7.7e+000
7.8e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
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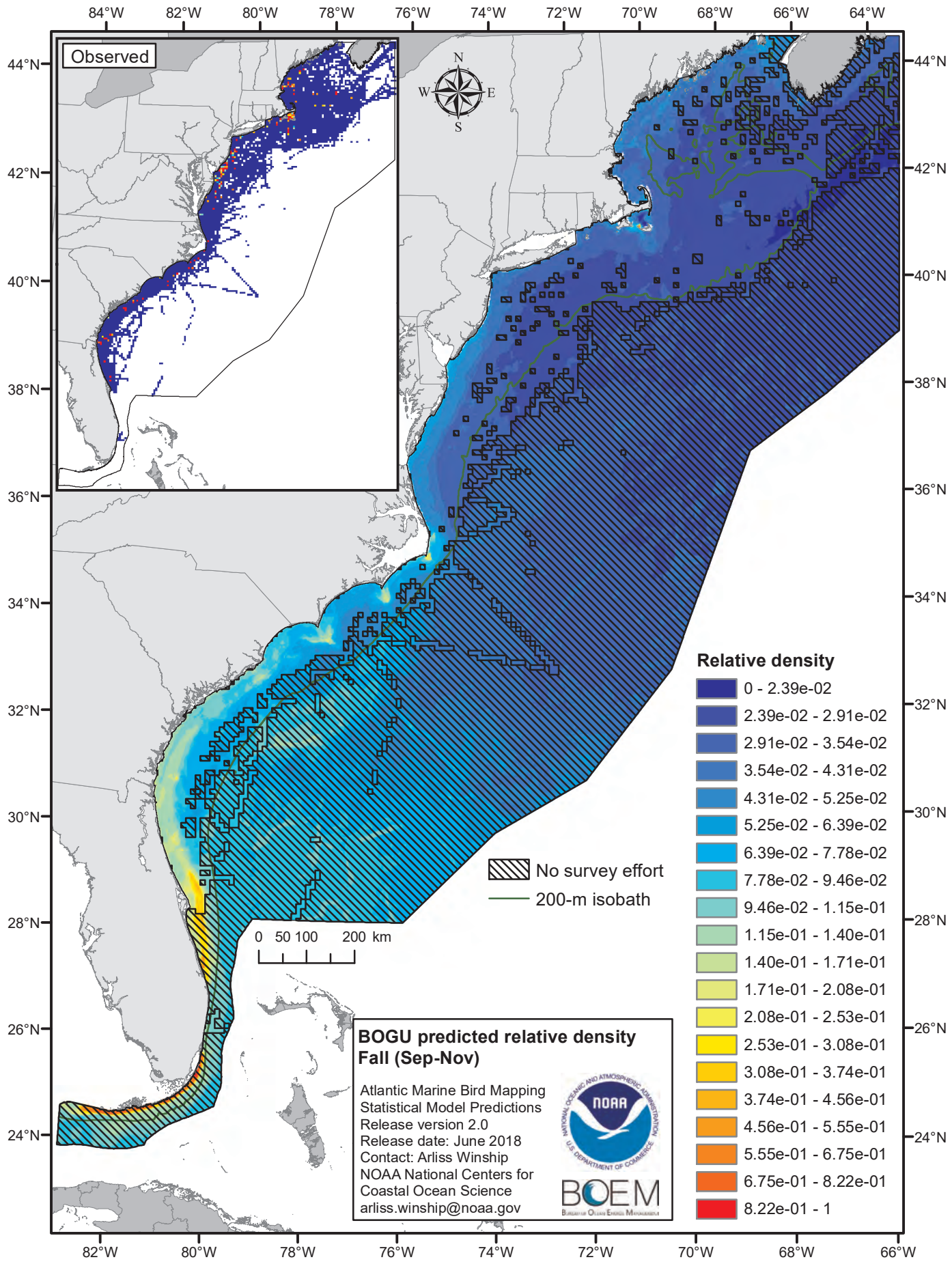
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.39e-02
2.39e-02 - 2.91e-02
2.91e-02 - 3.54e-02
3.54e-02 - 4.31e-02
4.31e-02 - 5.25e-02
5.25e-02 - 6.39e-02
6.39e-02 - 7.78e-02
7.78e-02 - 9.46e-02
9.46e-02 - 1.15e-01
1.15e-01 - 1.40e-01
1.40e-01 - 1.71e-01
1.71e-01 - 2.08e-01
2.08e-01 - 2.53e-01
2.53e-01 - 3.08e-01
3.08e-01 - 3.74e-01
3.74e-01 - 4.56e-01
4.56e-01 - 5.55e-01
5.55e-01 - 6.75e-01
6.75e-01 - 8.22e-01
8.22e-01 - 1
BOGU predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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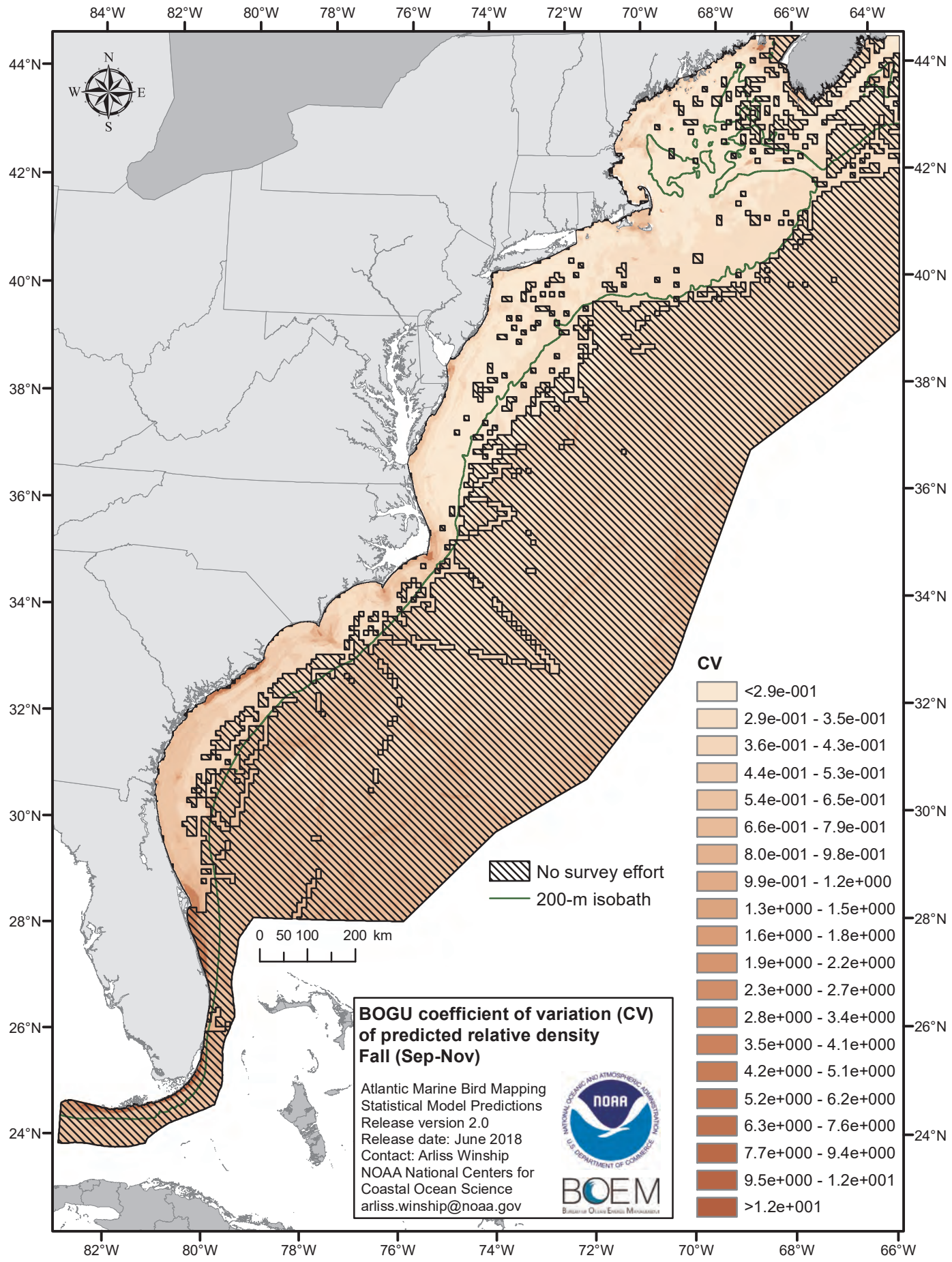
BOEM


84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.9e-001
2.9e-001 - 3.5e-001
3.6e-001 - 4.3e-001
4.4e-001 - 5.3e-001
5.4e-001 - 6.5e-001
6.6e-001 - 7.9e-001
8.0e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.4e+000
3.5e+000 - 4.1e+000
4.2e+000 - 5.1e+000
5.2e+000 - 6.2e+000
6.3e+000 - 7.6e+000
7.7e+000 - 9.4e+000
9.5e+000 - 1.2e+001
>1.2e+001
BOGU coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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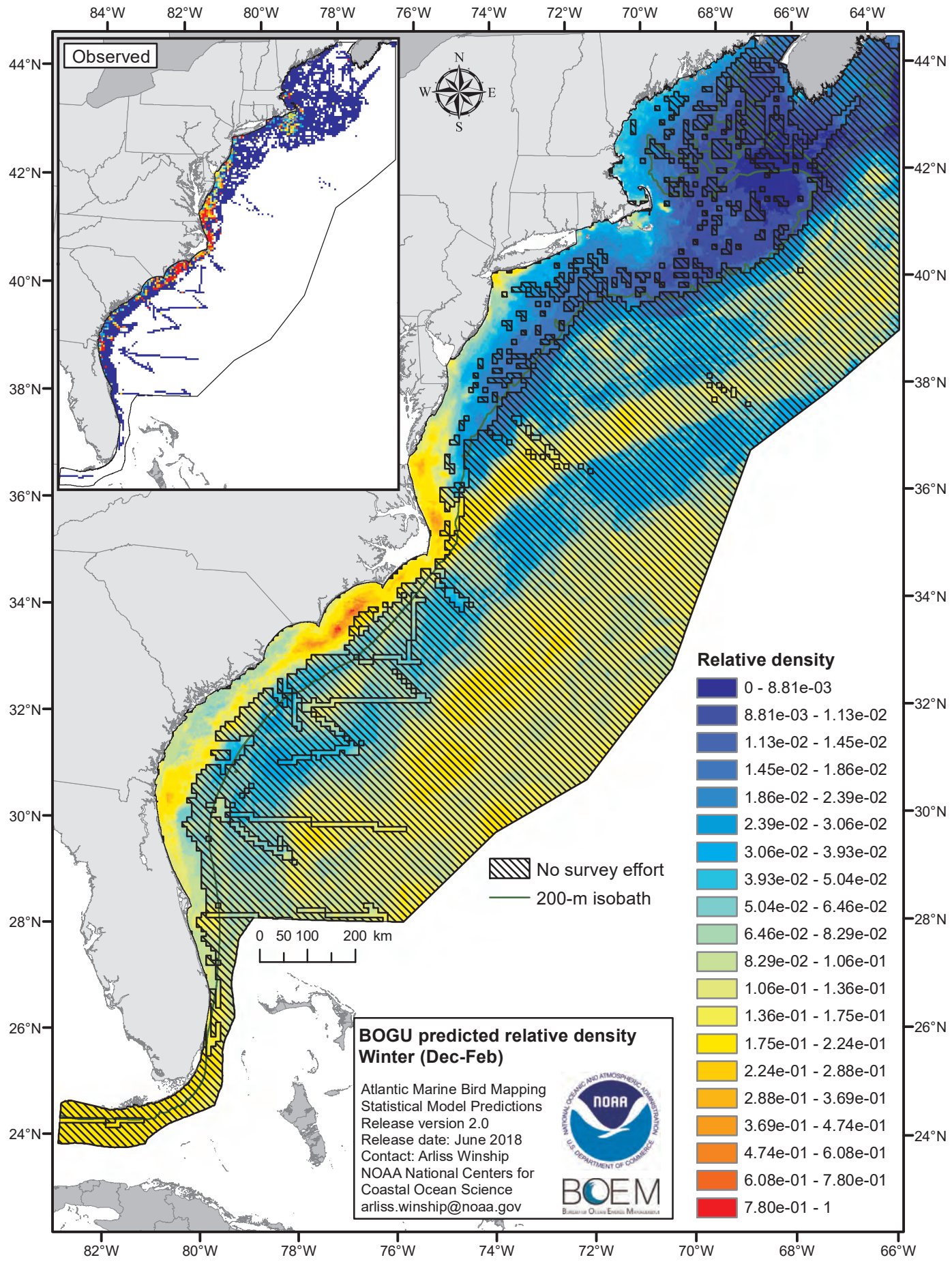
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
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66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 8.81e-03
8.81e-03 - 1.13e-02
1.13e-02 - 1.45e-02
1.45e-02 - 1.86e-02
1.86e-02 - 2.39e-02
2.39e-02 - 3.06e-02
3.06e-02 - 3.93e-02
3.93e-02 - 5.04e-02
5.04e-02 - 6.46e-02
6.46e-02 - 8.29e-02
8.29e-02 - 1.06e-01
1.06e-01 - 1.36e-01
1.36e-01 - 1.75e-01
1.75e-01 - 2.24e-01
2.24e-01 - 2.88e-01
2.88e-01 - 3.69e-01
3.69e-01 - 4.74e-01
4.74e-01 - 6.08e-01
6.08e-01 - 7.80e-01
7.80e-01 - 1
BOGU predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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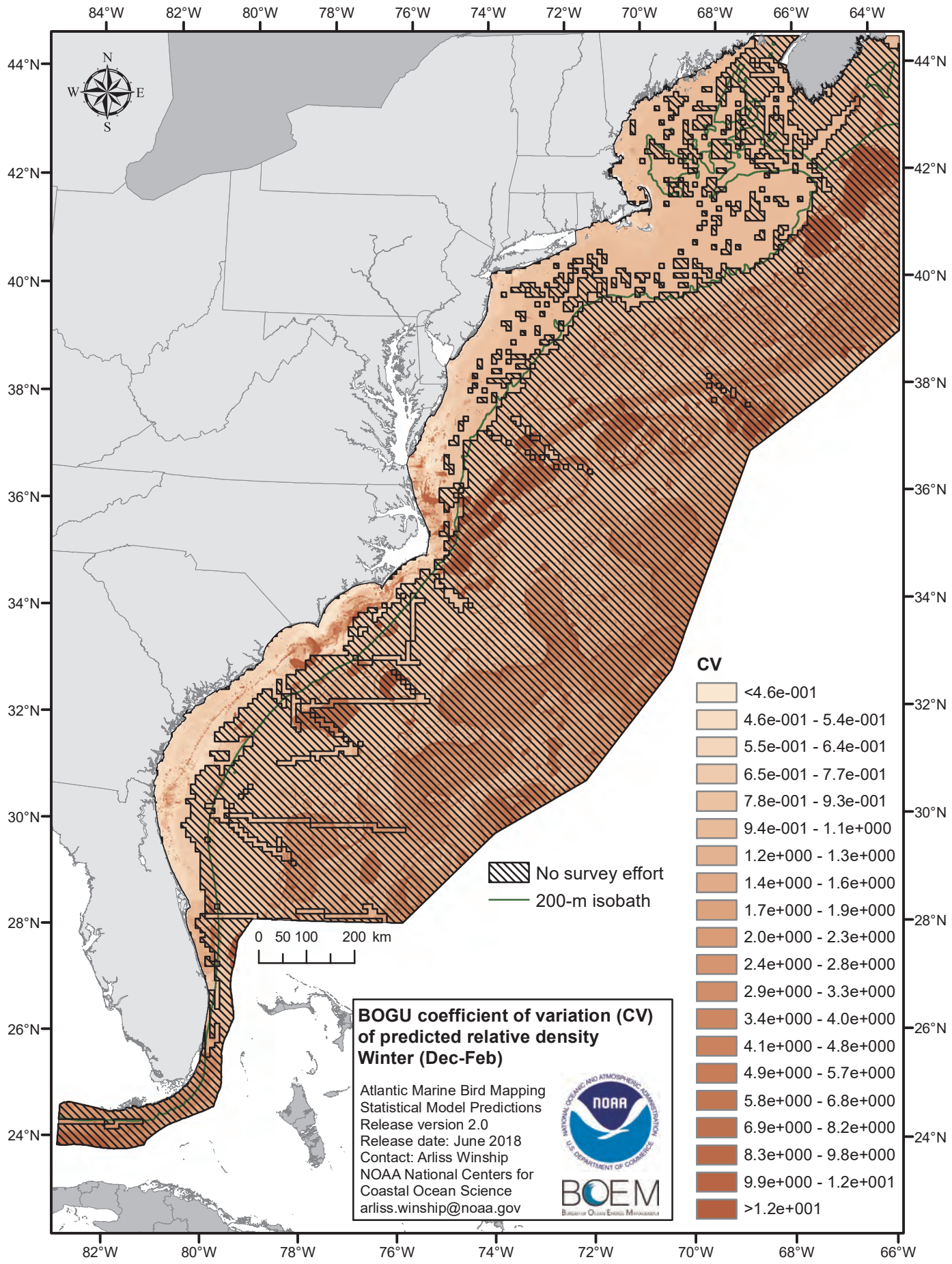
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.6e-001
4.6e-001 - 5.4e-001
5.5e-001 - 6.4e-001
6.5e-001 - 7.7e-001
7.8e-001 - 9.3e-001
9.4e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 4.8e+000
4.9e+000 - 5.7e+000
5.8e+000 - 6.8e+000
6.9e+000 - 8.2e+000
8.3e+000 - 9.8e+000
9.9e+000 - 1.2e+001
>1.2e+001
BOGU coefficient of variation (CV) of predicted relative density
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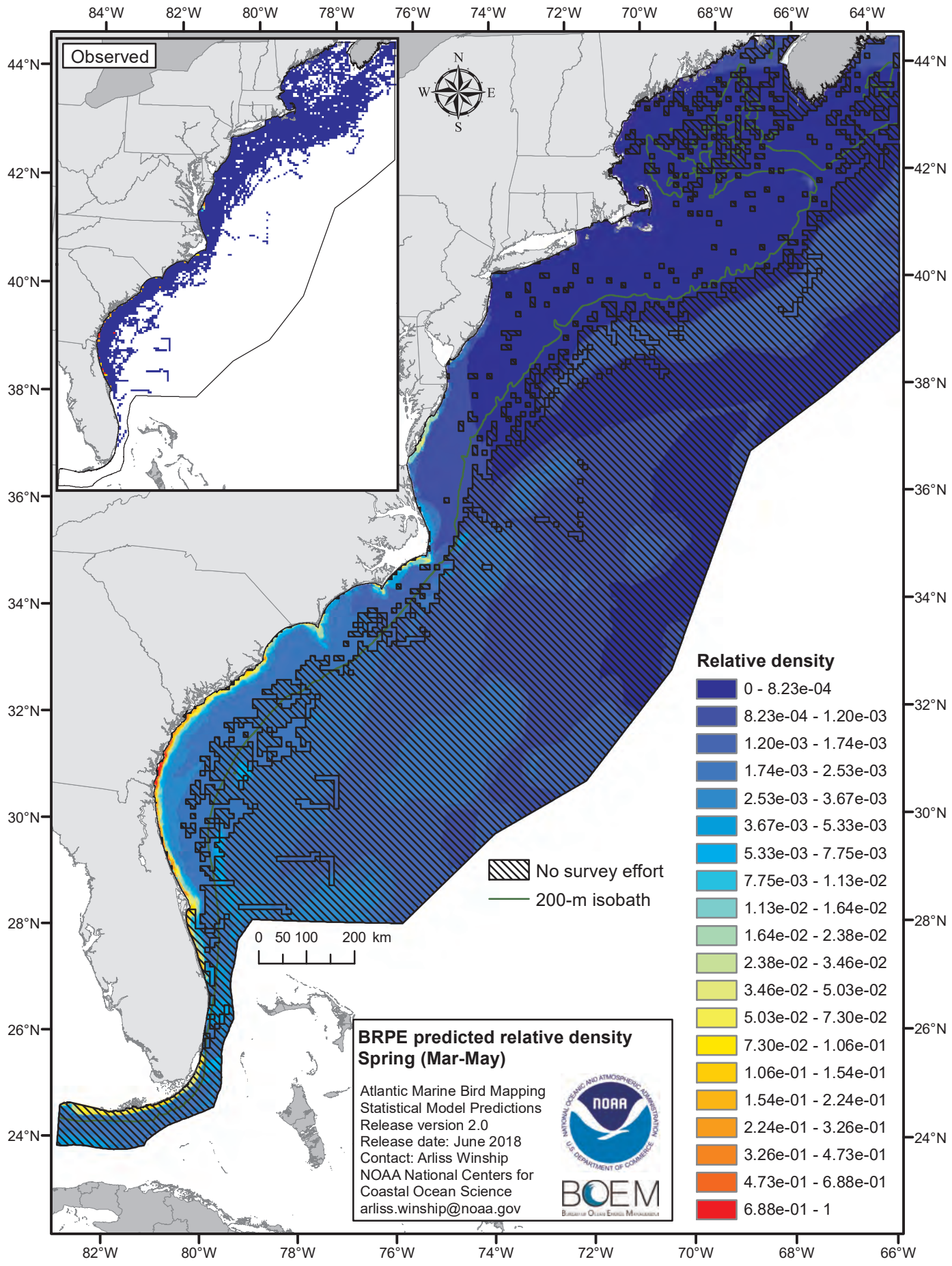
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 8.23e-04
8.23e-04 - 1.20e-03
1.20e-03 - 1.74e-03
1.74e-03 - 2.53e-03
2.53e-03 - 3.67e-03
3.67e-03 - 5.33e-03
5.33e-03 - 7.75e-03
7.75e-03 - 1.13e-02
1.13e-02 - 1.64e-02
1.64e-02 - 2.38e-02
2.38e-02 - 3.46e-02
3.46e-02 - 5.03e-02
5.03e-02 - 7.30e-02
7.30e-02 - 1.06e-01
1.06e-01 - 1.54e-01
1.54e-01 - 2.24e-01
2.24e-01 - 3.26e-01
3.26e-01 - 4.73e-01
4.73e-01 - 6.88e-01
6.88e-01 - 1
BRPE predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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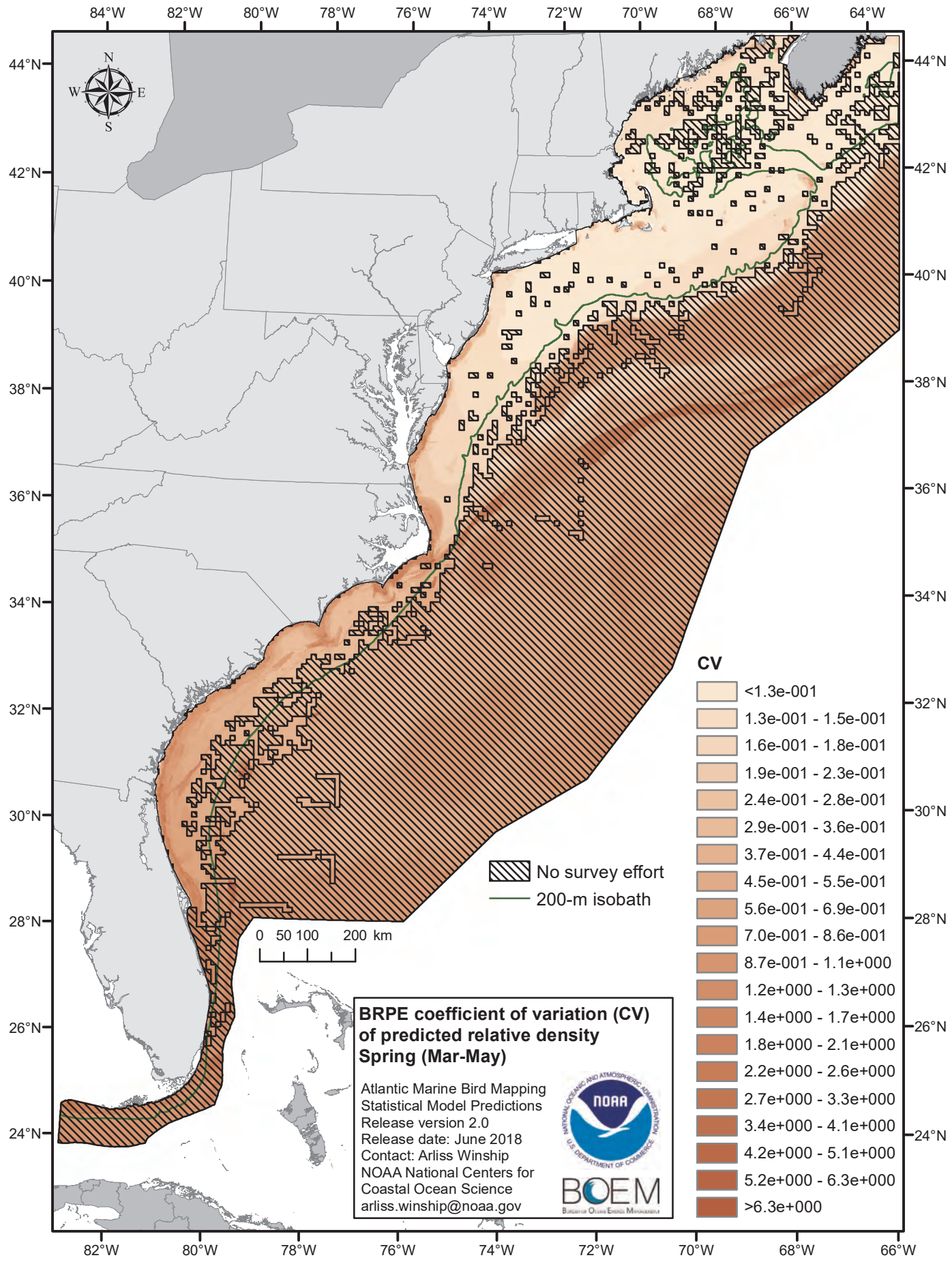
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.3e-001
1.3e-001 - 1.5e-001
1.6e-001 - 1.8e-001
1.9e-001 - 2.3e-001
2.4e-001 - 2.8e-001
2.9e-001 - 3.6e-001
3.7e-001 - 4.4e-001
4.5e-001 - 5.5e-001
5.6e-001 - 6.9e-001
7.0e-001 - 8.6e-001
8.7e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.3e+000
3.4e+000 - 4.1e+000
4.2e+000 - 5.1e+000
5.2e+000 - 6.3e+000
>6.3e+000
BRPE coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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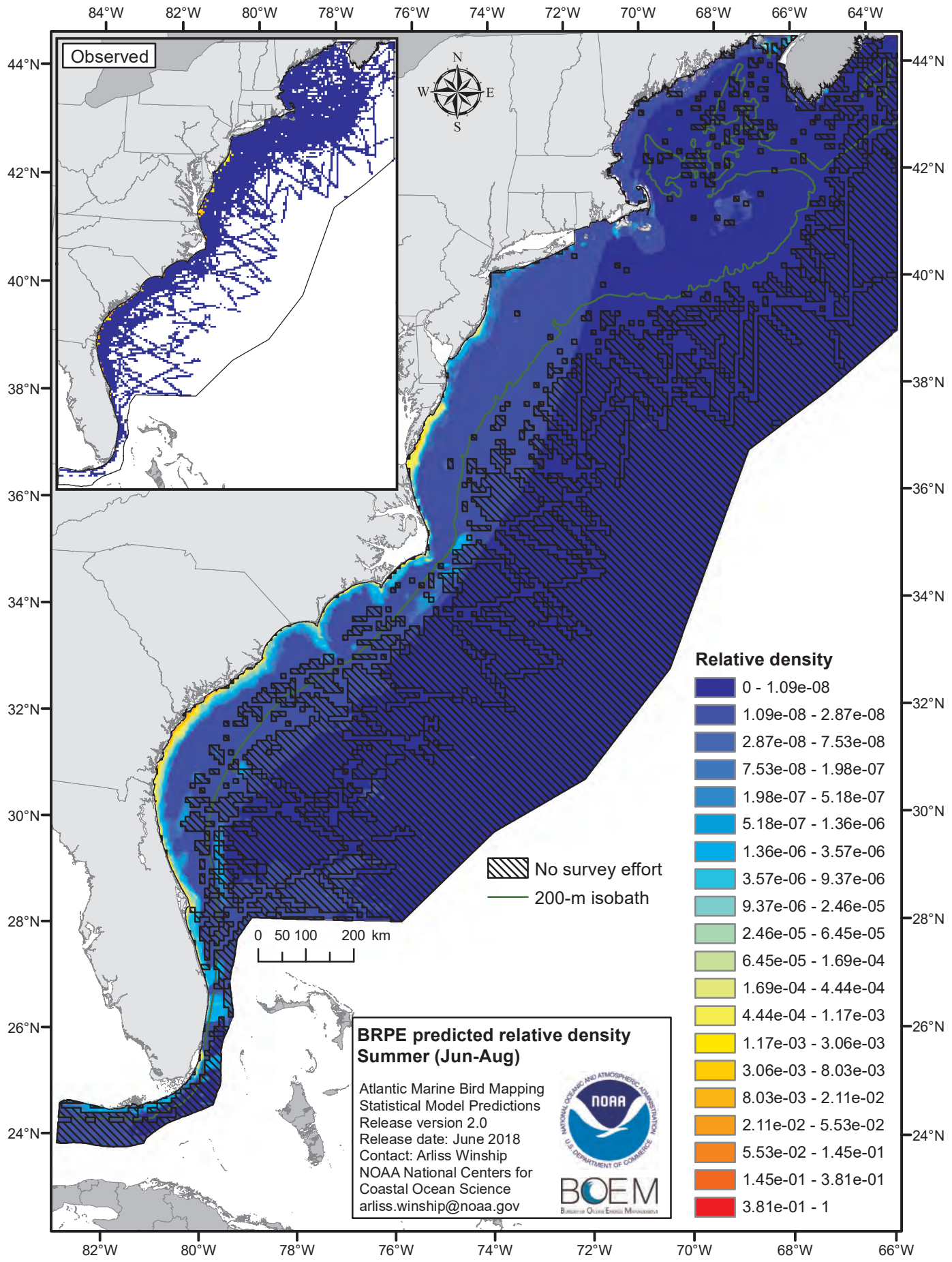
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.09e-08
1.09e-08 - 2.87e-08
2.87e-08 - 7.53e-08
7.53e-08 - 1.98e-07
1.98e-07 - 5.18e-07
5.18e-07 - 1.36e-06
1.36e-06 - 3.57e-06
3.57e-06 - 9.37e-06
9.37e-06 - 2.46e-05
2.46e-05 - 6.45e-05
6.45e-05 - 1.69e-04
1.69e-04 - 4.44e-04
4.44e-04 - 1.17e-03
1.17e-03 - 3.06e-03
3.06e-03 - 8.03e-03
8.03e-03 - 2.11e-02
2.11e-02 - 5.53e-02
5.53e-02 - 1.45e-01
1.45e-01 - 3.81e-01
3.81e-01 - 1
BRPE predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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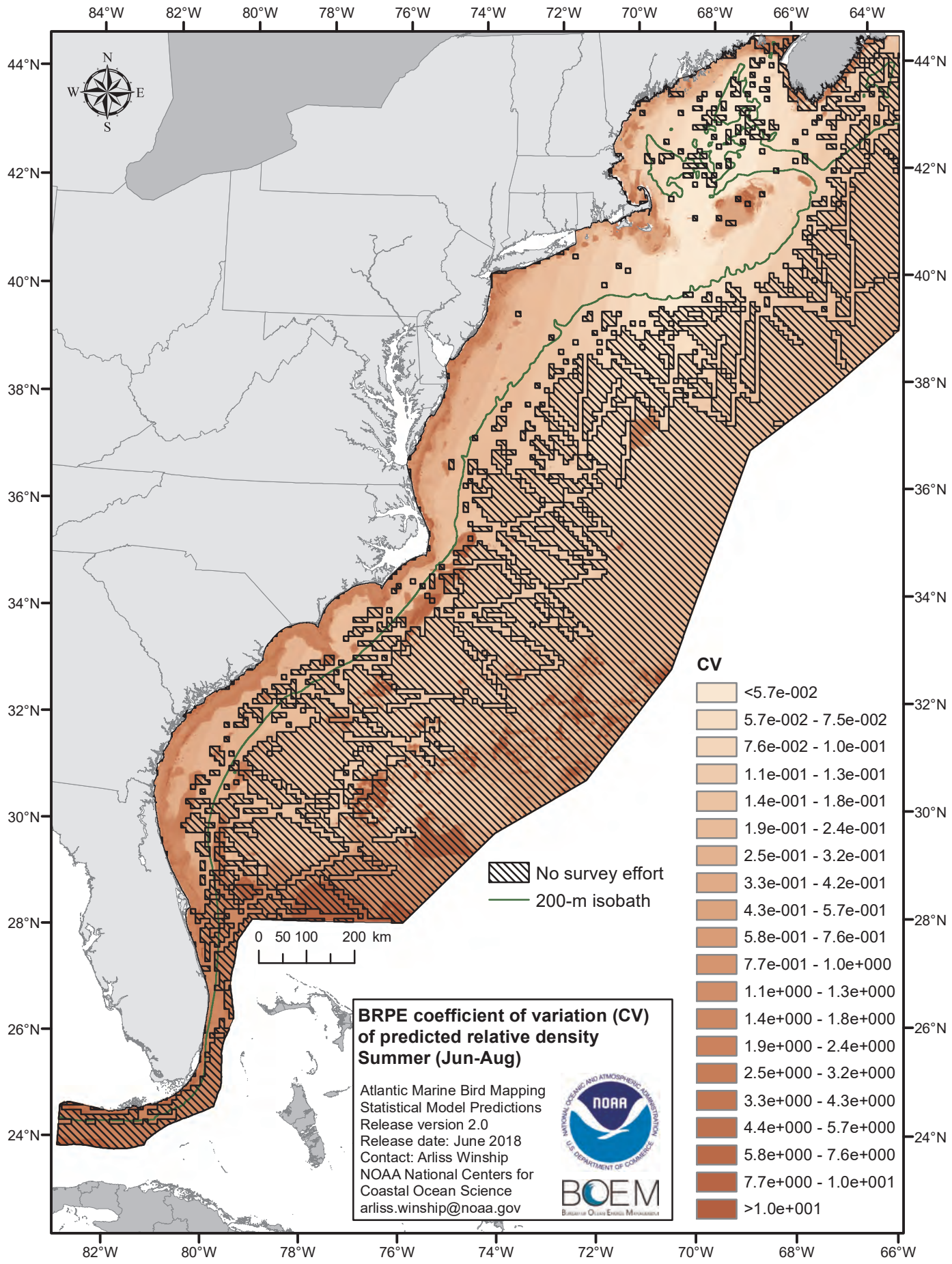
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.7e-002
5.7e-002 - 7.5e-002
7.6e-002 - 1.0e-001
1.1e-001 - 1.3e-001
1.4e-001 - 1.8e-001
1.9e-001 - 2.4e-001
2.5e-001 - 3.2e-001
3.3e-001 - 4.2e-001
4.3e-001 - 5.7e-001
5.8e-001 - 7.6e-001
7.7e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.8e+000
1.9e+000 - 2.4e+000
2.5e+000 - 3.2e+000
3.3e+000 - 4.3e+000
4.4e+000 - 5.7e+000
5.8e+000 - 7.6e+000
7.7e+000 - 1.0e+001
>1.0e+001
BRPE coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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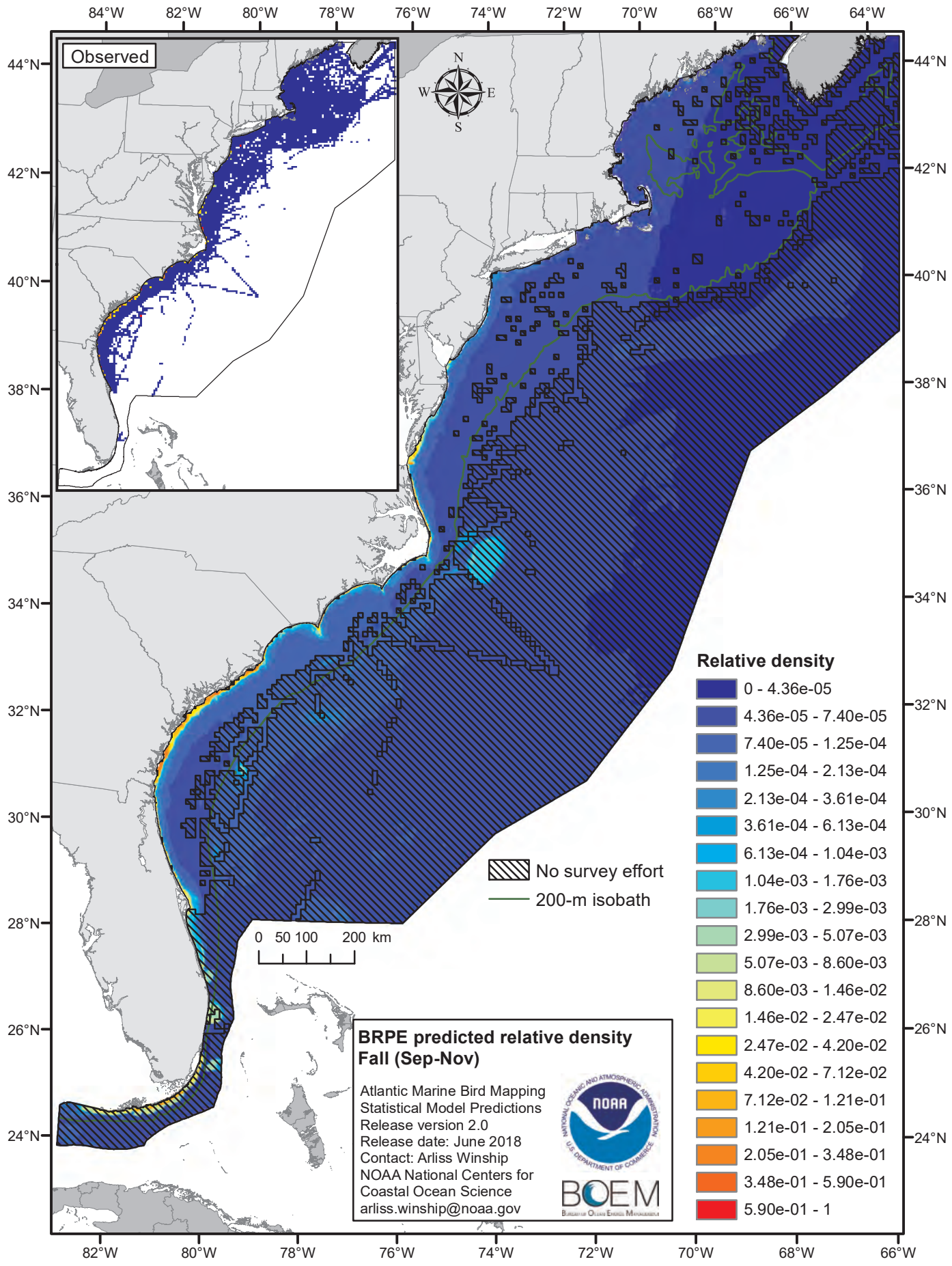
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.36e-05
4.36e-05 - 7.40e-05
7.40e-05 - 1.25e-04
1.25e-04 - 2.13e-04
2.13e-04 - 3.61e-04
3.61e-04 - 6.13e-04
6.13e-04 - 1.04e-03
1.04e-03 - 1.76e-03
1.76e-03 - 2.99e-03
2.99e-03 - 5.07e-03
5.07e-03 - 8.60e-03
8.60e-03 - 1.46e-02
1.46e-02 - 2.47e-02
2.47e-02 - 4.20e-02
4.20e-02 - 7.12e-02
7.12e-02 - 1.21e-01
1.21e-01 - 2.05e-01
2.05e-01 - 3.48e-01
3.48e-01 - 5.90e-01
5.90e-01 - 1
BRPE predicted relative density
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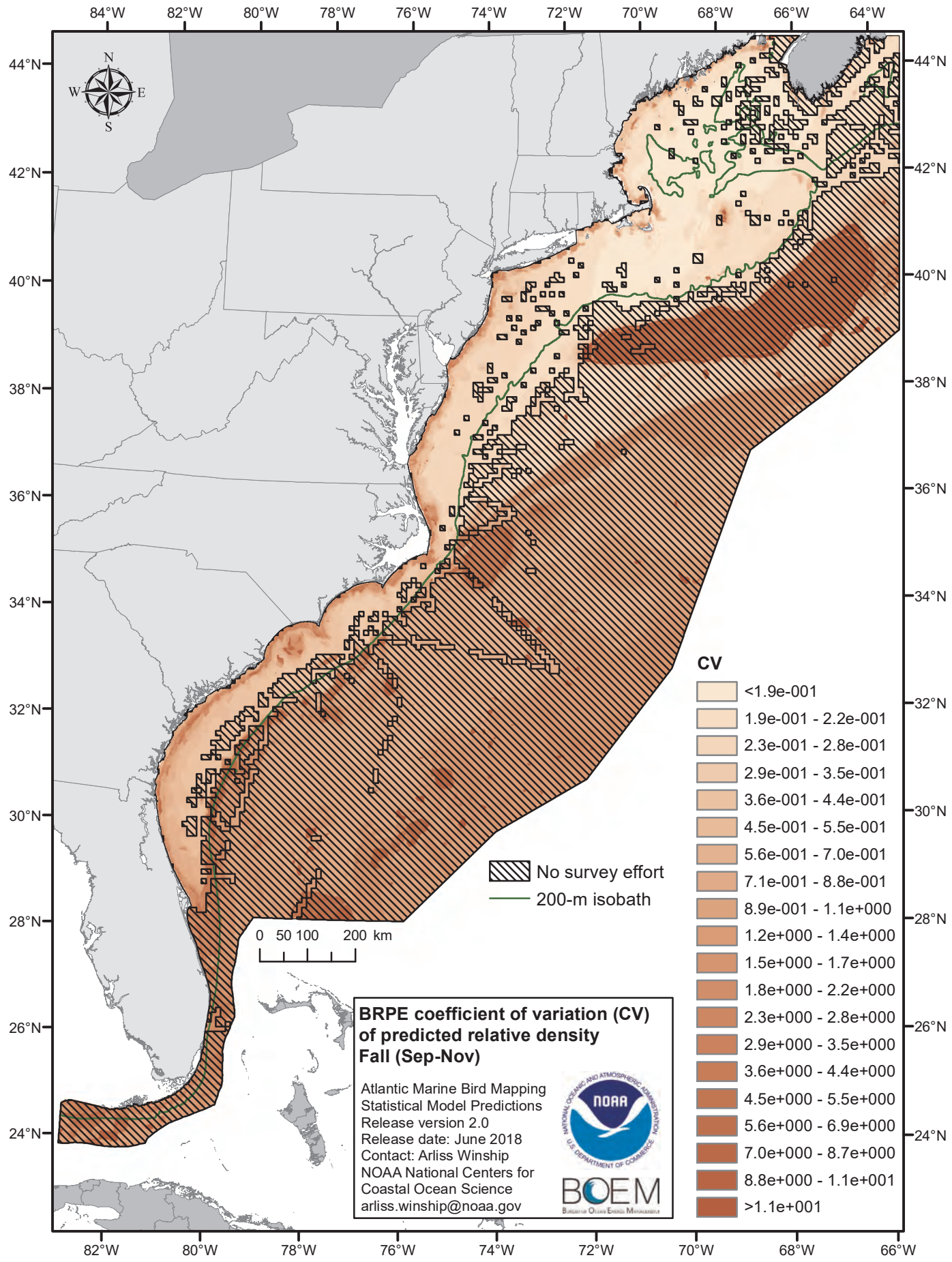
84°W
82°W
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78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.9e-001
1.9e-001 - 2.2e-001
2.3e-001 - 2.8e-001
2.9e-001 - 3.5e-001
3.6e-001 - 4.4e-001
4.5e-001 - 5.5e-001
5.6e-001 - 7.0e-001
7.1e-001 - 8.8e-001
8.9e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.2e+000
2.3e+000 - 2.8e+000
2.9e+000 - 3.5e+000
3.6e+000 - 4.4e+000
4.5e+000 - 5.5e+000
5.6e+000 - 6.9e+000
7.0e+000 - 8.7e+000
8.8e+000 - 1.1e+001
>1.1e+001
BRPE coefficient of variation (CV) of predicted relative density
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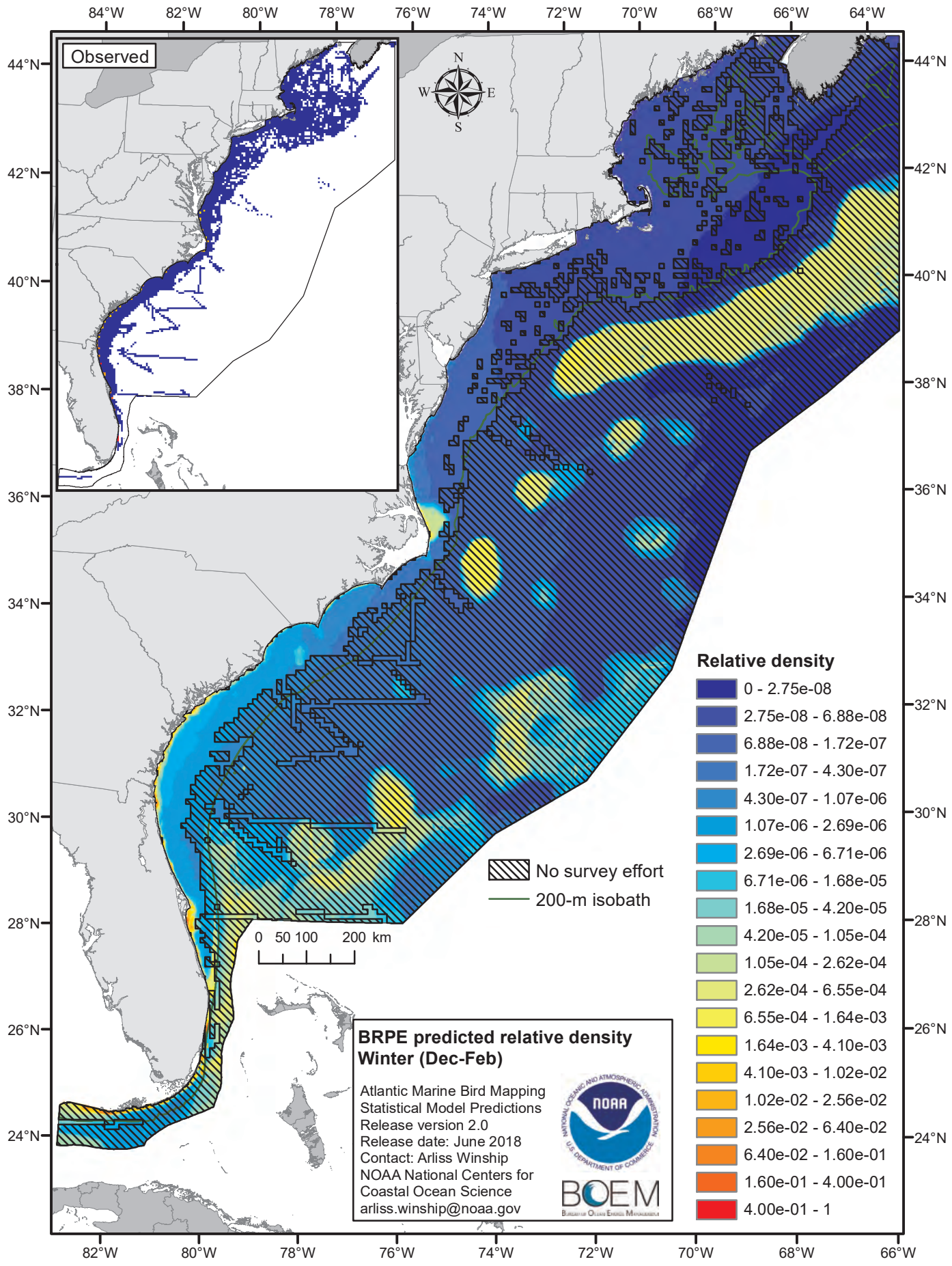
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.75e-08
2.75e-08 - 6.88e-08
6.88e-08 - 1.72e-07
1.72e-07 - 4.30e-07
4.30e-07 - 1.07e-06
1.07e-06 - 2.69e-06
2.69e-06 - 6.71e-06
6.71e-06 - 1.68e-05
1.68e-05 - 4.20e-05
4.20e-05 - 1.05e-04
1.05e-04 - 2.62e-04
2.62e-04 - 6.55e-04
6.55e-04 - 1.64e-03
1.64e-03 - 4.10e-03
4.10e-03 - 1.02e-02
1.02e-02 - 2.56e-02
2.56e-02 - 6.40e-02
6.40e-02 - 1.60e-01
1.60e-01 - 4.00e-01
4.00e-01 - 1
BRPE predicted relative density
Winter (Dec-Feb)
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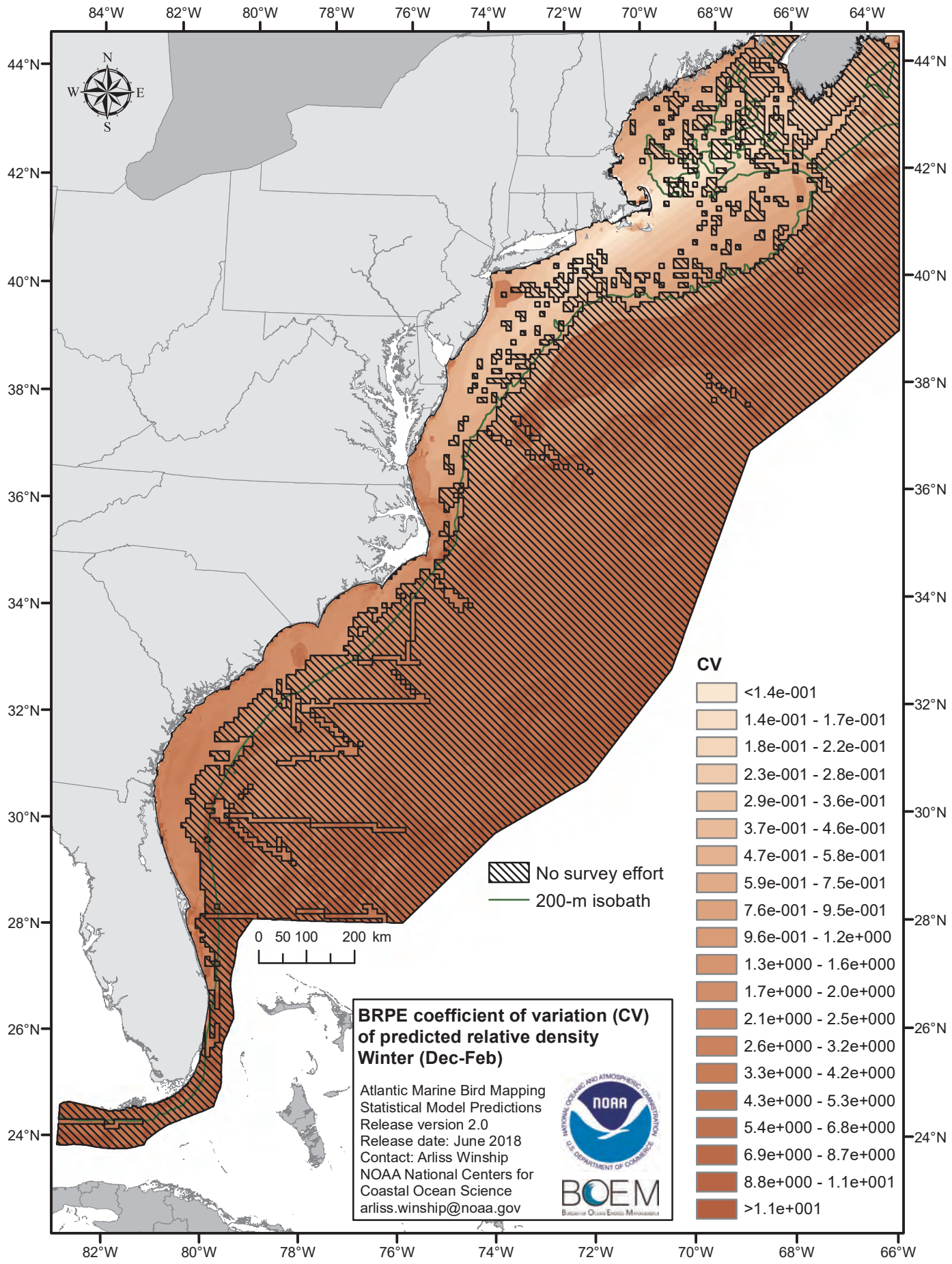
84°W
82°W
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78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.4e-001
1.4e-001 - 1.7e-001
1.8e-001 - 2.2e-001
2.3e-001 - 2.8e-001
2.9e-001 - 3.6e-001
3.7e-001 - 4.6e-001
4.7e-001 - 5.8e-001
5.9e-001 - 7.5e-001
7.6e-001 - 9.5e-001
9.6e-001 - 1.2e+000
1.3e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.2e+000
3.3e+000 - 4.2e+000
4.3e+000 - 5.3e+000
5.4e+000 - 6.8e+000
6.9e+000 - 8.7e+000
8.8e+000 - 1.1e+001
>1.1e+001
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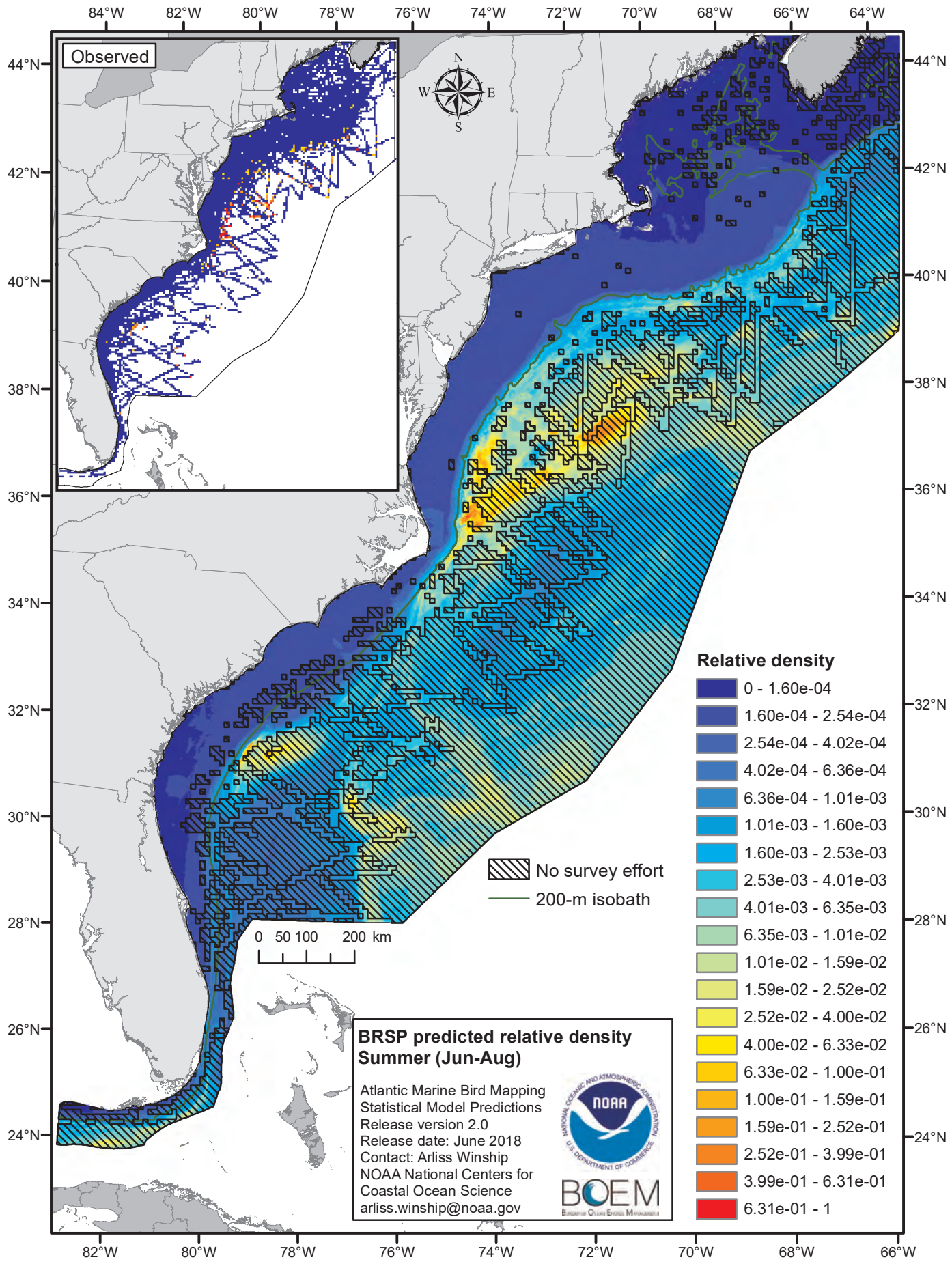
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.60e-04
1.60e-04 - 2.54e-04
2.54e-04 - 4.02e-04
4.02e-04 - 6.36e-04
6.36e-04 - 1.01e-03
1.01e-03 - 1.60e-03
1.60e-03 - 2.53e-03
2.53e-03 - 4.01e-03
4.01e-03 - 6.35e-03
6.35e-03 - 1.01e-02
1.01e-02 - 1.59e-02
1.59e-02 - 2.52e-02
2.52e-02 - 4.00e-02
4.00e-02 - 6.33e-02
6.33e-02 - 1.00e-01
1.00e-01 - 1.59e-01
1.59e-01 - 2.52e-01
2.52e-01 - 3.99e-01
3.99e-01 - 6.31e-01
6.31e-01 - 1
BRSP predicted relative density
Summer (Jun-Aug)
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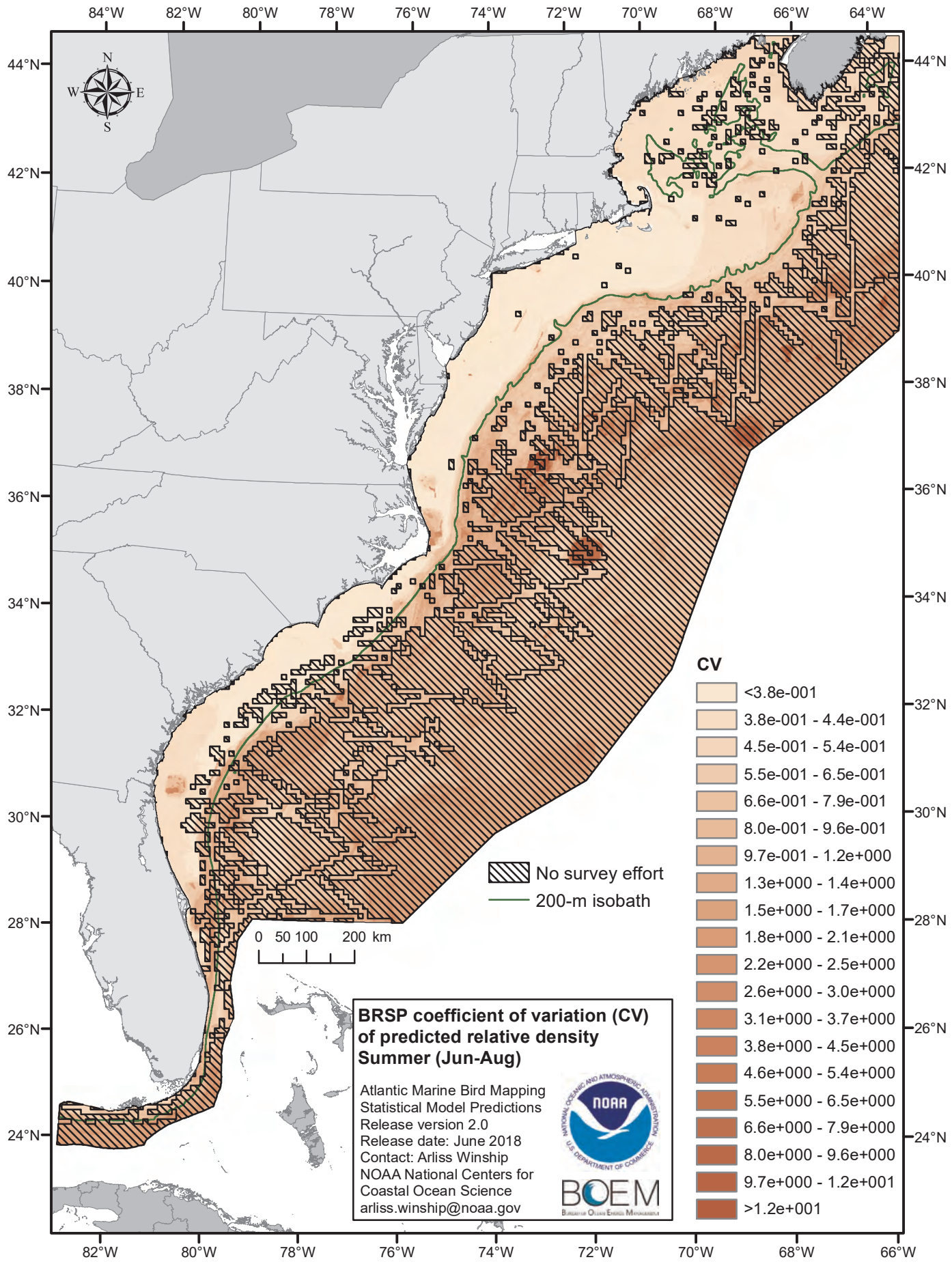
BOEM


84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.8e-001
3.8e-001 - 4.4e-001
4.5e-001 - 5.4e-001
5.5e-001 - 6.5e-001
6.6e-001 - 7.9e-001
8.0e-001 - 9.6e-001
9.7e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.4e+000
5.5e+000 - 6.5e+000
6.6e+000 - 7.9e+000
8.0e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
BRSP coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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Contact: Arliss Winship
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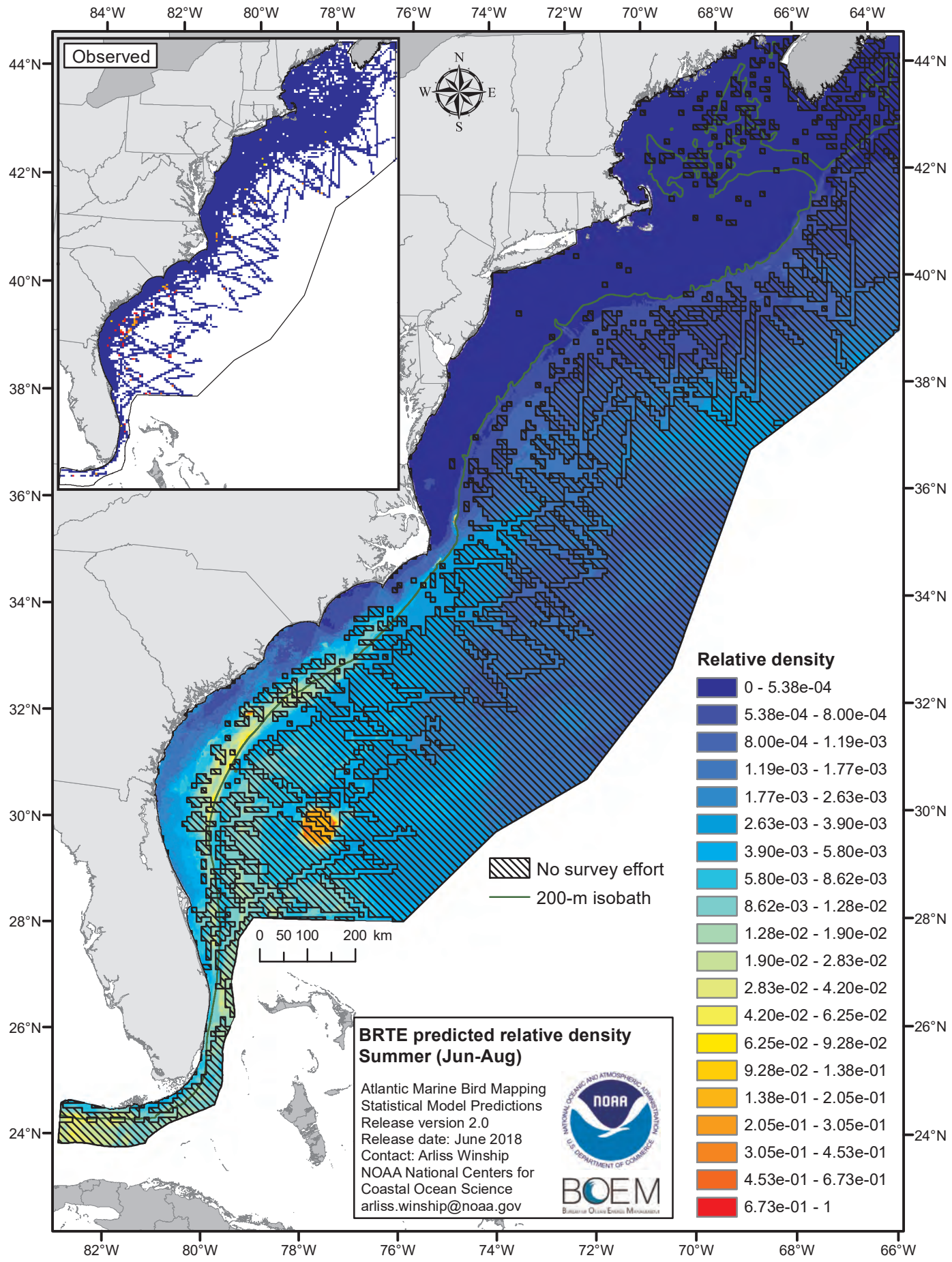
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.38e-04
5.38e-04 - 8.00e-04
8.00e-04 - 1.19e-03
1.19e-03 - 1.77e-03
1.77e-03 - 2.63e-03
2.63e-03 - 3.90e-03
3.90e-03 - 5.80e-03
5.80e-03 - 8.62e-03
8.62e-03 - 1.28e-02
1.28e-02 - 1.90e-02
1.90e-02 - 2.83e-02
2.83e-02 - 4.20e-02
4.20e-02 - 6.25e-02
6.25e-02 - 9.28e-02
9.28e-02 - 1.38e-01
1.38e-01 - 2.05e-01
2.05e-01 - 3.05e-01
3.05e-01 - 4.53e-01
4.53e-01 - 6.73e-01
6.73e-01 - 1
BRTE predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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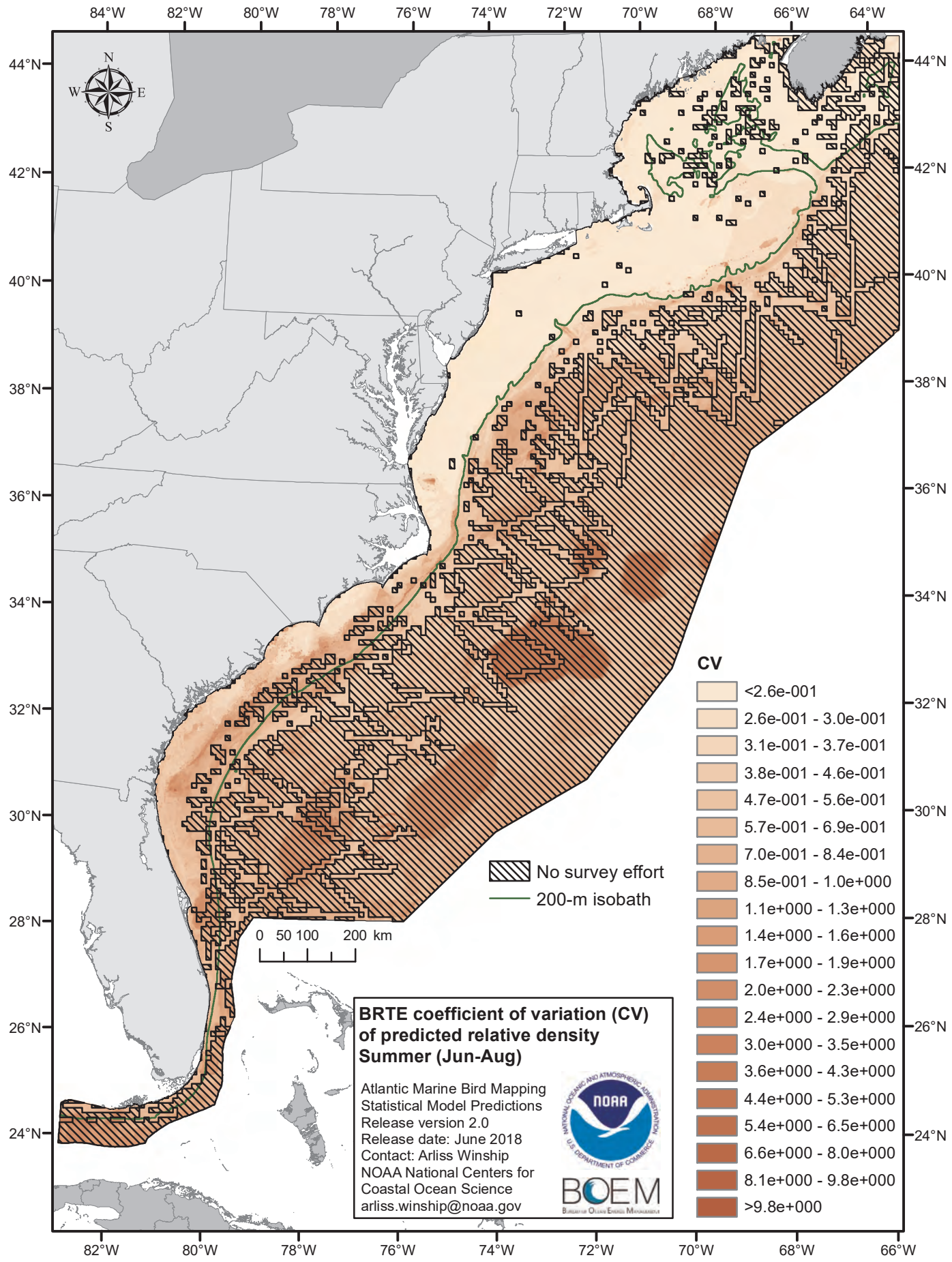
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.6e-001
2.6e-001 - 3.0e-001
3.1e-001 - 3.7e-001
3.8e-001 - 4.6e-001
4.7e-001 - 5.6e-001
5.7e-001 - 6.9e-001
7.0e-001 - 8.4e-001
8.5e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.3e+000
4.4e+000 - 5.3e+000
5.4e+000 - 6.5e+000
6.6e+000 - 8.0e+000
8.1e+000 - 9.8e+000
>9.8e+000
BRTE coefficient of variation (CV) of predicted relative density
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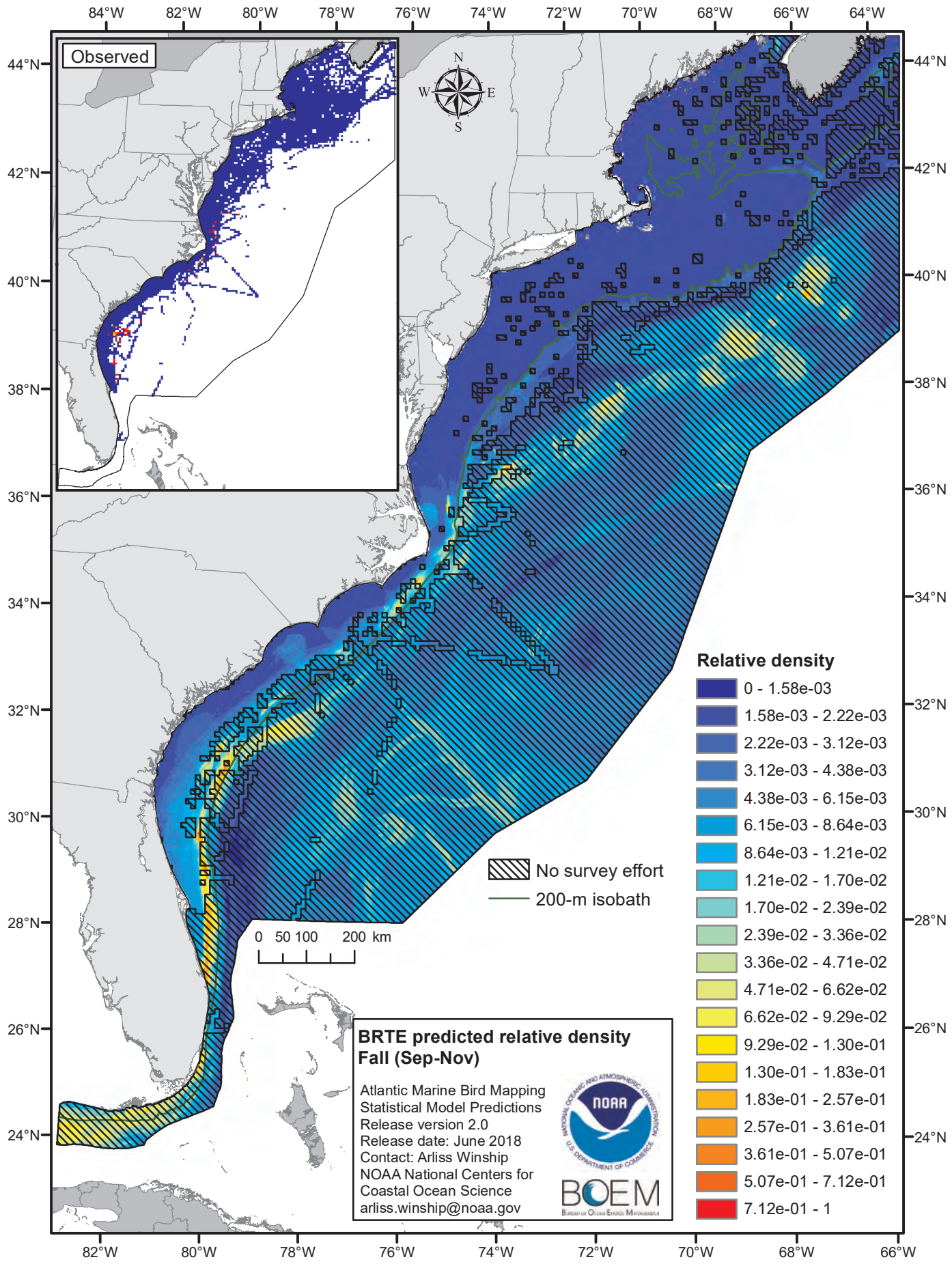
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.58e-03
1.58e-03 - 2.22e-03
2.22e-03 - 3.12e-03
3.12e-03 - 4.38e-03
4.38e-03 - 6.15e-03
6.15e-03 - 8.64e-03
8.64e-03 - 1.21e-02
1.21e-02 - 1.70e-02
1.70e-02 - 2.39e-02
2.39e-02 - 3.36e-02
3.36e-02 - 4.71e-02
4.71e-02 - 6.62e-02
6.62e-02 - 9.29e-02
9.29e-02 - 1.30e-01
1.30e-01 - 1.83e-01
1.83e-01 - 2.57e-01
2.57e-01 - 3.61e-01
3.61e-01 - 5.07e-01
5.07e-01 - 7.12e-01
7.12e-01 - 1
BRTE predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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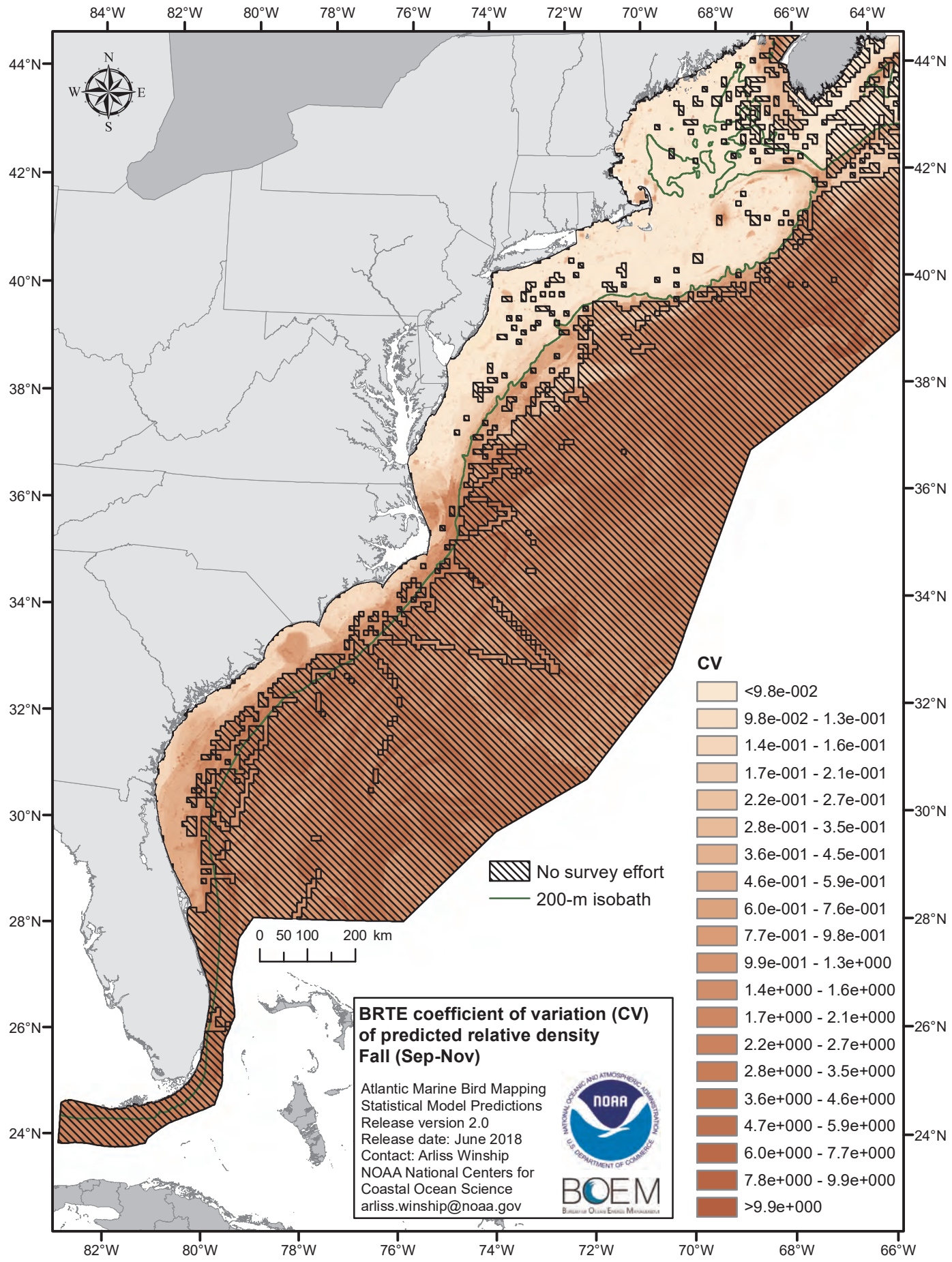
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<9.8e-002
9.8e-002 - 1.3e-001
1.4e-001 - 1.6e-001
1.7e-001 - 2.1e-001
2.2e-001 - 2.7e-001
2.8e-001 - 3.5e-001
3.6e-001 - 4.5e-001
4.6e-001 - 5.9e-001
6.0e-001 - 7.6e-001
7.7e-001 - 9.8e-001
9.9e-001 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.1e+000
2.2e+000 - 2.7e+000
2.8e+000 - 3.5e+000
3.6e+000 - 4.6e+000
4.7e+000 - 5.9e+000
6.0e+000 - 7.7e+000
7.8e+000 - 9.9e+000
>9.9e+000
BRTE coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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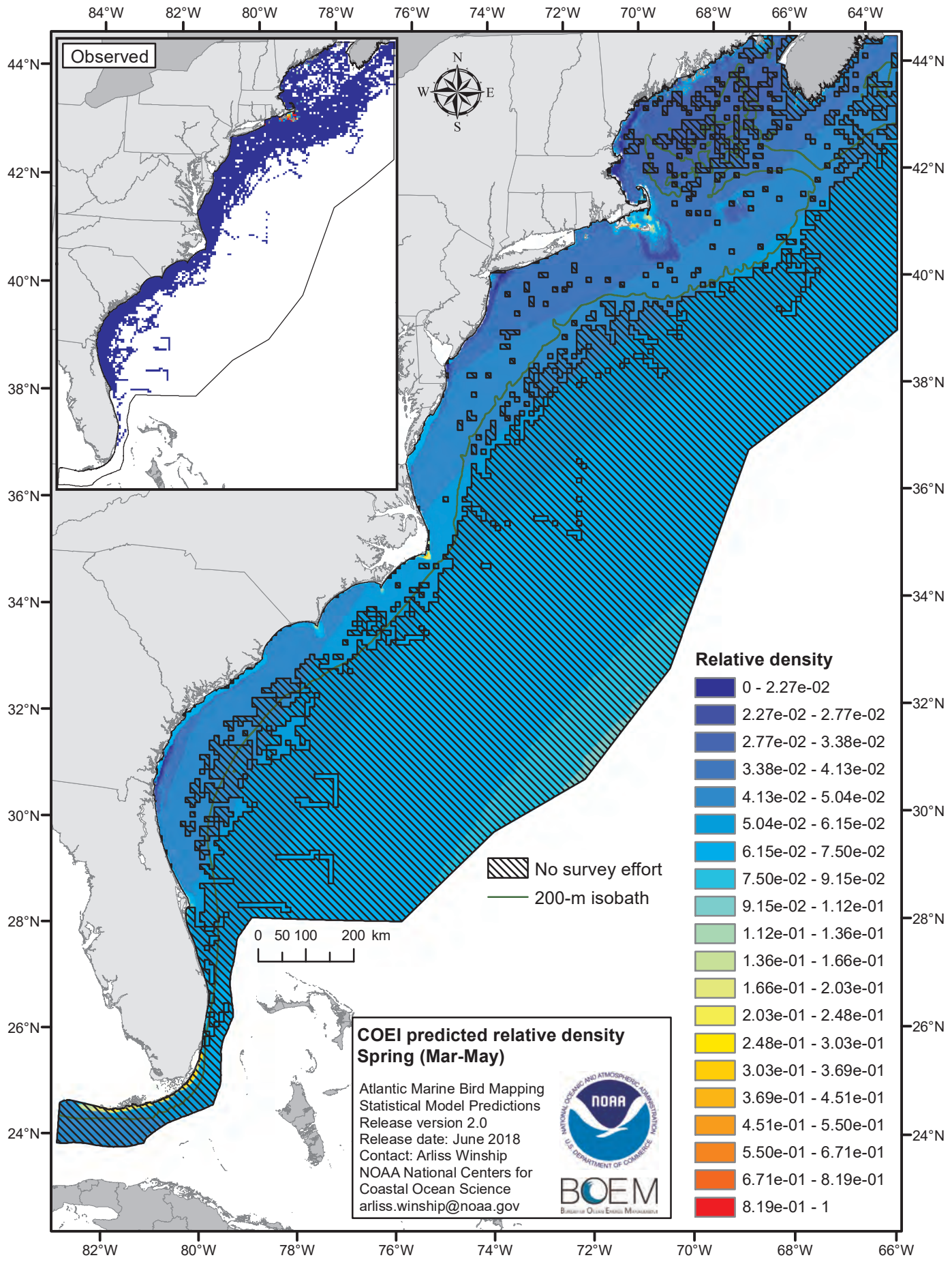
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.27e-02
2.27e-02 - 2.77e-02
2.77e-02 - 3.38e-02
3.38e-02 - 4.13e-02
4.13e-02 - 5.04e-02
5.04e-02 - 6.15e-02
6.15e-02 - 7.50e-02
7.50e-02 - 9.15e-02
9.15e-02 - 1.12e-01
1.12e-01 - 1.36e-01
1.36e-01 - 1.66e-01
1.66e-01 - 2.03e-01
2.03e-01 - 2.48e-01
2.48e-01 - 3.03e-01
3.03e-01 - 3.69e-01
3.69e-01 - 4.51e-01
4.51e-01 - 5.50e-01
5.50e-01 - 6.71e-01
6.71e-01 - 8.19e-01
8.19e-01 - 1
COEI predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
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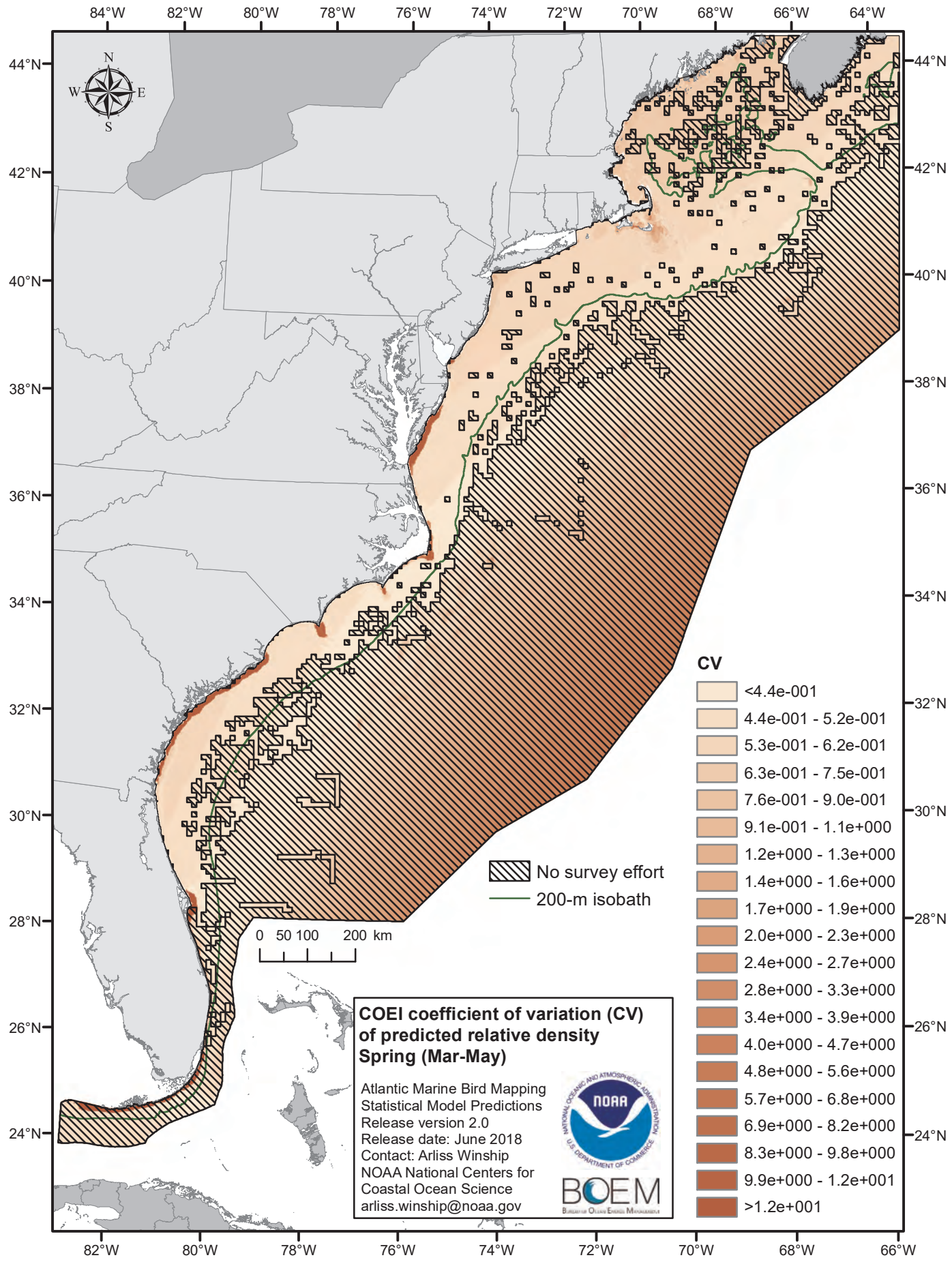
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.4e-001
4.4e-001 - 5.2e-001
5.3e-001 - 6.2e-001
6.3e-001 - 7.5e-001
7.6e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 3.9e+000
4.0e+000 - 4.7e+000
4.8e+000 - 5.6e+000
5.7e+000 - 6.8e+000
6.9e+000 - 8.2e+000
8.3e+000 - 9.8e+000
9.9e+000 - 1.2e+001
>1.2e+001
COEI coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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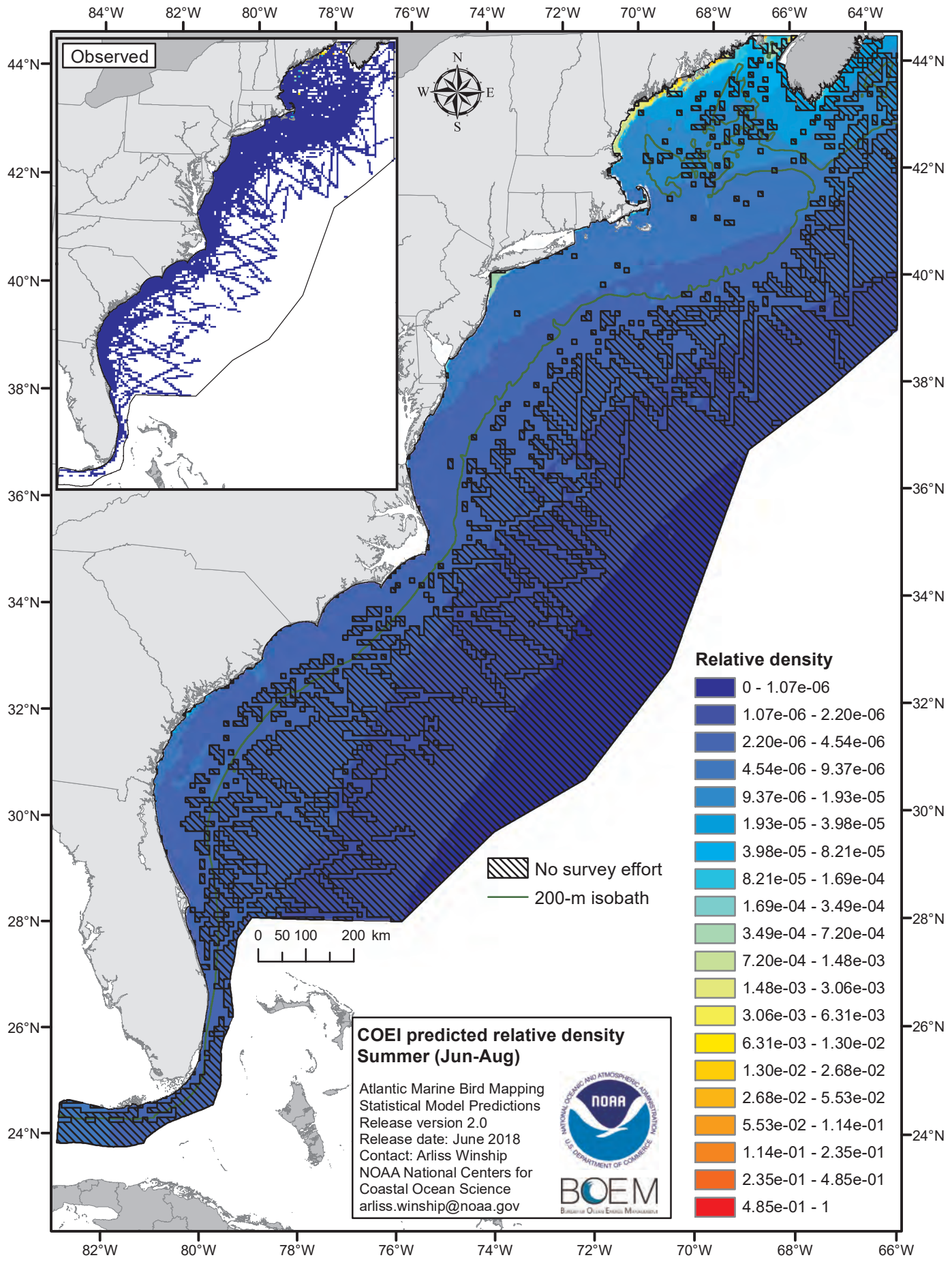
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.07e-06
1.07e-06 - 2.20e-06
2.20e-06 - 4.54e-06
4.54e-06 - 9.37e-06
9.37e-06 - 1.93e-05
1.93e-05 - 3.98e-05
3.98e-05 - 8.21e-05
8.21e-05 - 1.69e-04
1.69e-04 - 3.49e-04
3.49e-04 - 7.20e-04
7.20e-04 - 1.48e-03
1.48e-03 - 3.06e-03
3.06e-03 - 6.31e-03
6.31e-03 - 1.30e-02
1.30e-02 - 2.68e-02
2.68e-02 - 5.53e-02
5.53e-02 - 1.14e-01
1.14e-01 - 2.35e-01
2.35e-01 - 4.85e-01
4.85e-01 - 1
COEI predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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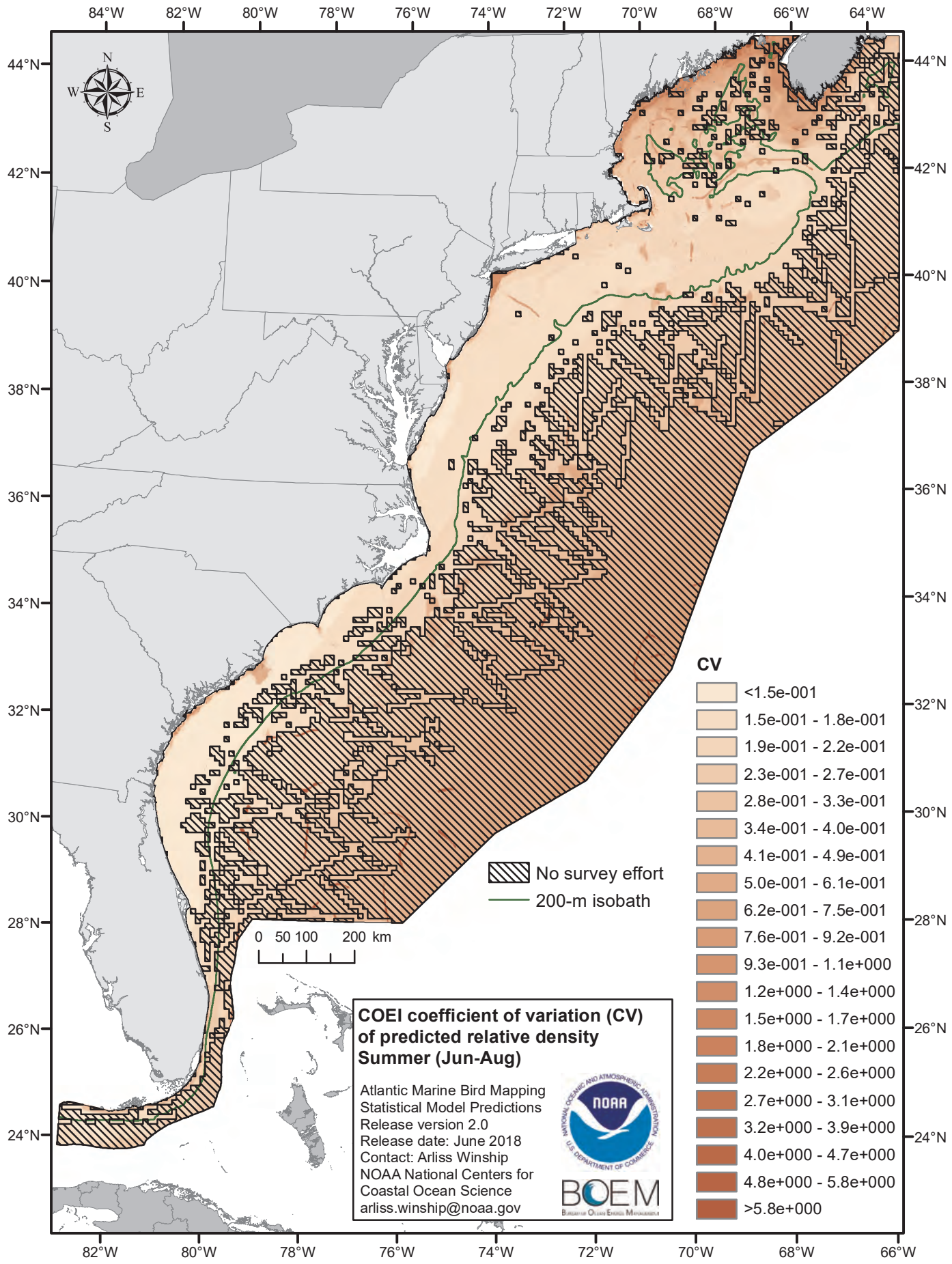
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.5e-001
1.5e-001 - 1.8e-001
1.9e-001 - 2.2e-001
2.3e-001 - 2.7e-001
2.8e-001 - 3.3e-001
3.4e-001 - 4.0e-001
4.1e-001 - 4.9e-001
5.0e-001 - 6.1e-001
6.2e-001 - 7.5e-001
7.6e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.1e+000
3.2e+000 - 3.9e+000
4.0e+000 - 4.7e+000
4.8e+000 - 5.8e+000
>5.8e+000
COEI coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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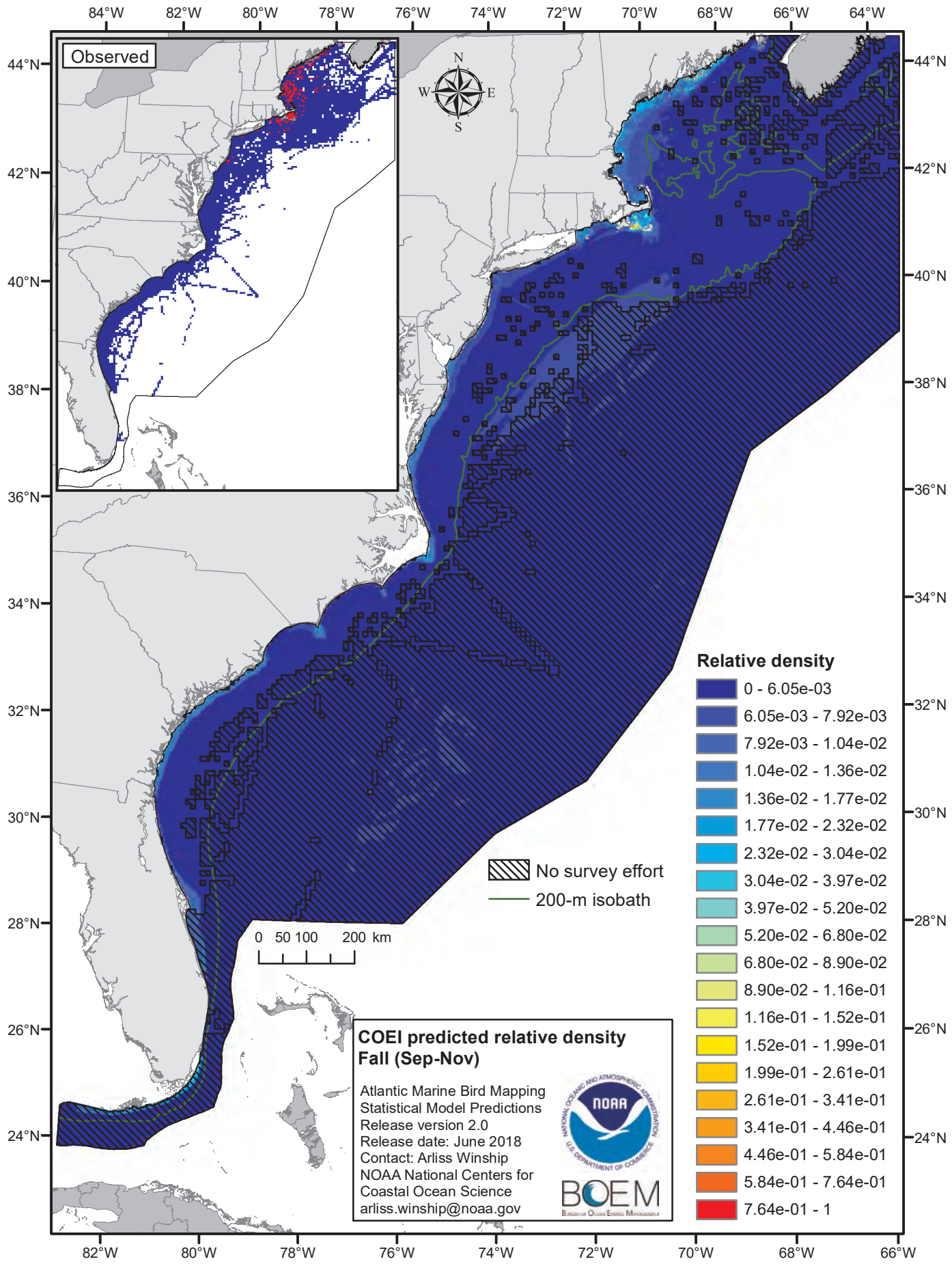
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 6.05e-03
6.05e-03 - 7.92e-03
7.92e-03 - 1.04e-02
1.04e-02 - 1.36e-02
1.36e-02 - 1.77e-02
1.77e-02 - 2.32e-02
2.32e-02 - 3.04e-02
3.04e-02 - 3.97e-02
3.97e-02 - 5.20e-02
5.20e-02 - 6.80e-02
6.80e-02 - 8.90e-02
8.90e-02 - 1.16e-01
1.16e-01 - 1.52e-01
1.52e-01 - 1.99e-01
1.99e-01 - 2.61e-01
2.61e-01 - 3.41e-01
3.41e-01 - 4.46e-01
4.46e-01 - 5.84e-01
5.84e-01 - 7.64e-01
7.64e-01 - 1
COEI predicted relative density
Fall (Sep-Nov)
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Statistical Model Predictions
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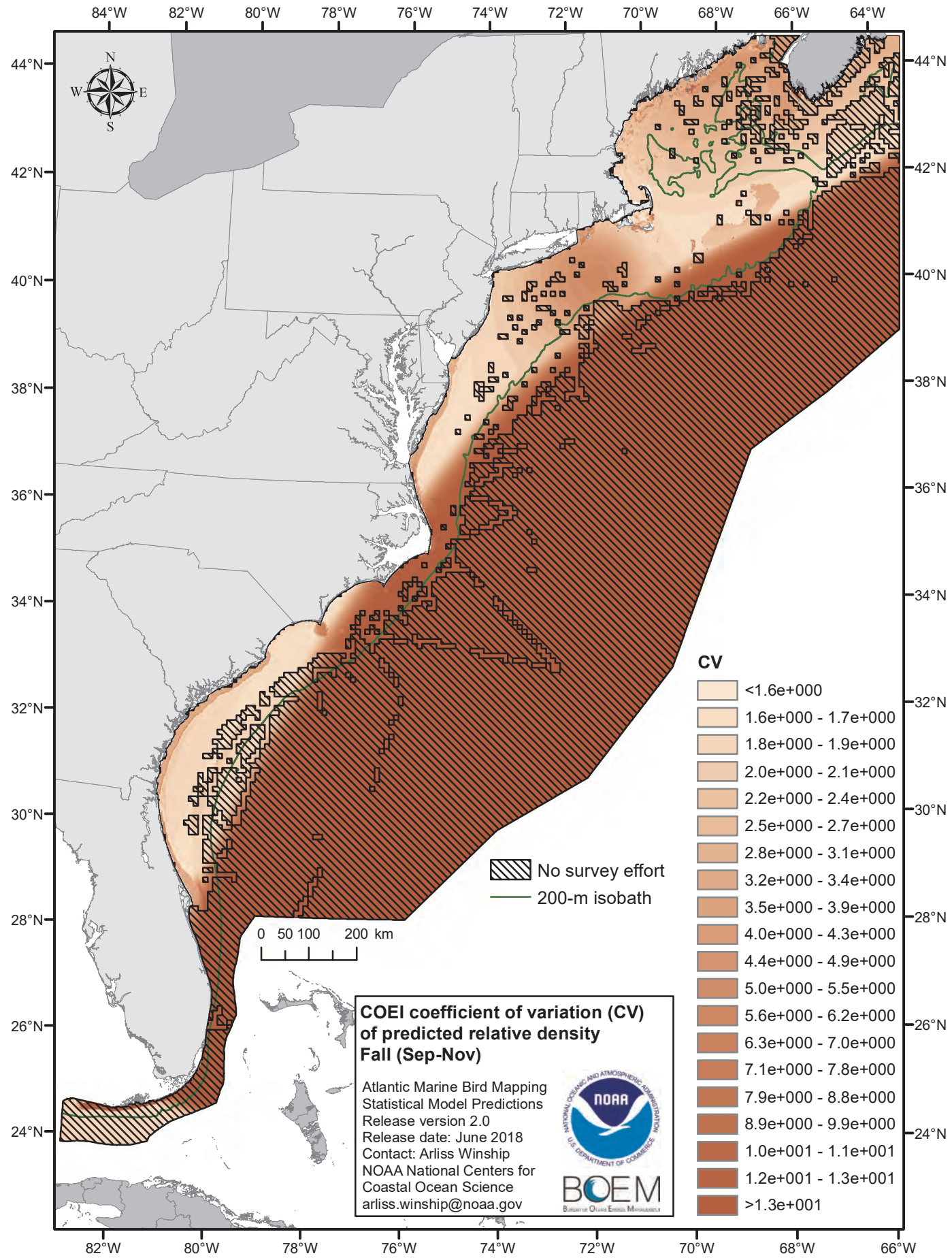
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.6e+000
1.6e+000 - 1.7e+000
1.8e+000 - 1.9e+000
2.0e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.7e+000
2.8e+000 - 3.1e+000
3.2e+000 - 3.4e+000
3.5e+000 - 3.9e+000
4.0e+000 - 4.3e+000
4.4e+000 - 4.9e+000
5.0e+000 - 5.5e+000
5.6e+000 - 6.2e+000
6.3e+000 - 7.0e+000
7.1e+000 - 7.8e+000
7.9e+000 - 8.8e+000
8.9e+000 - 9.9e+000
1.0e+001 - 1.1e+001
1.2e+001 - 1.3e+001
>1.3e+001
COEI coefficient of variation (CV)
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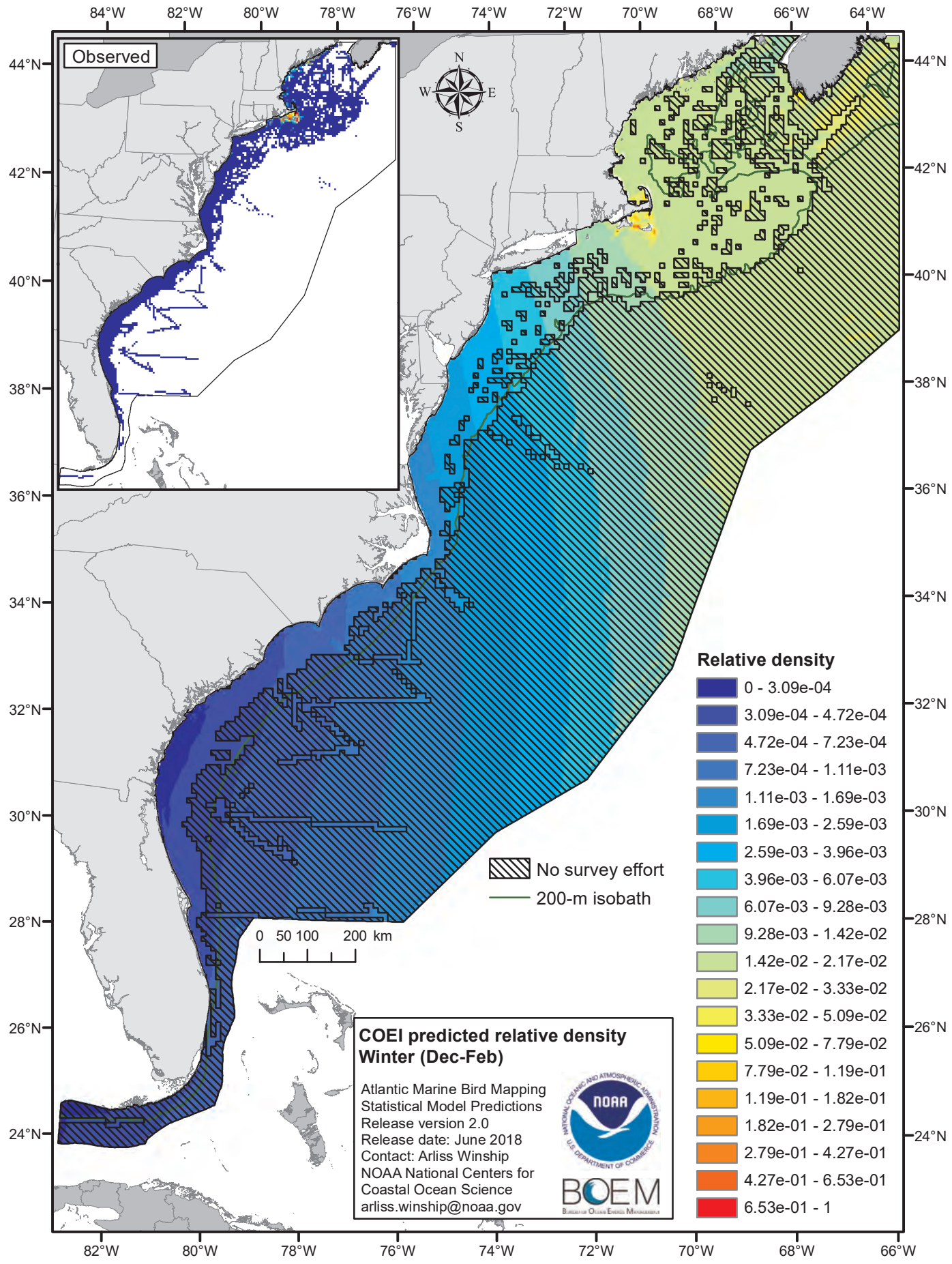
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.09e-04
3.09e-04 - 4.72e-04
4.72e-04 - 7.23e-04
7.23e-04 - 1.11e-03
1.11e-03 - 1.69e-03
1.69e-03 - 2.59e-03
2.59e-03 - 3.96e-03
3.96e-03 - 6.07e-03
6.07e-03 - 9.28e-03
9.28e-03 - 1.42e-02
1.42e-02 - 2.17e-02
2.17e-02 - 3.33e-02
3.33e-02 - 5.09e-02
5.09e-02 - 7.79e-02
7.79e-02 - 1.19e-01
1.19e-01 - 1.82e-01
1.82e-01 - 2.79e-01
2.79e-01 - 4.27e-01
4.27e-01 - 6.53e-01
6.53e-01 - 1
COEI predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
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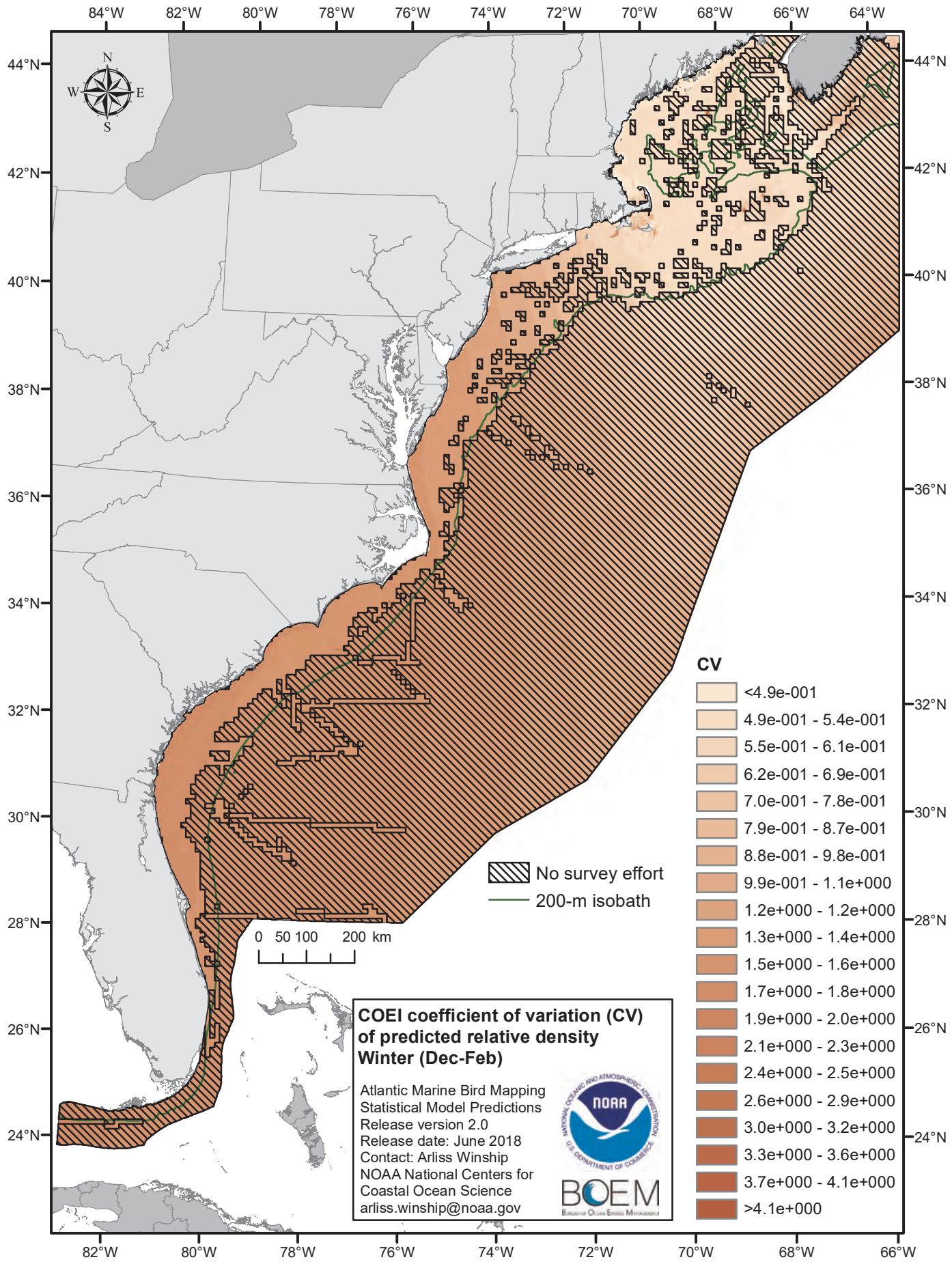
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<4.9e-001
4.9e-001 - 5.4e-001
5.5e-001 - 6.1e-001
6.2e-001 - 6.9e-001
7.0e-001 - 7.8e-001
7.9e-001 - 8.7e-001
8.8e-001 - 9.8e-001
9.9e-001 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.2e+000
3.3e+000 - 3.6e+000
3.7e+000 - 4.1e+000
>4.1e+000
COEI coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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Contact: Arliss Winship
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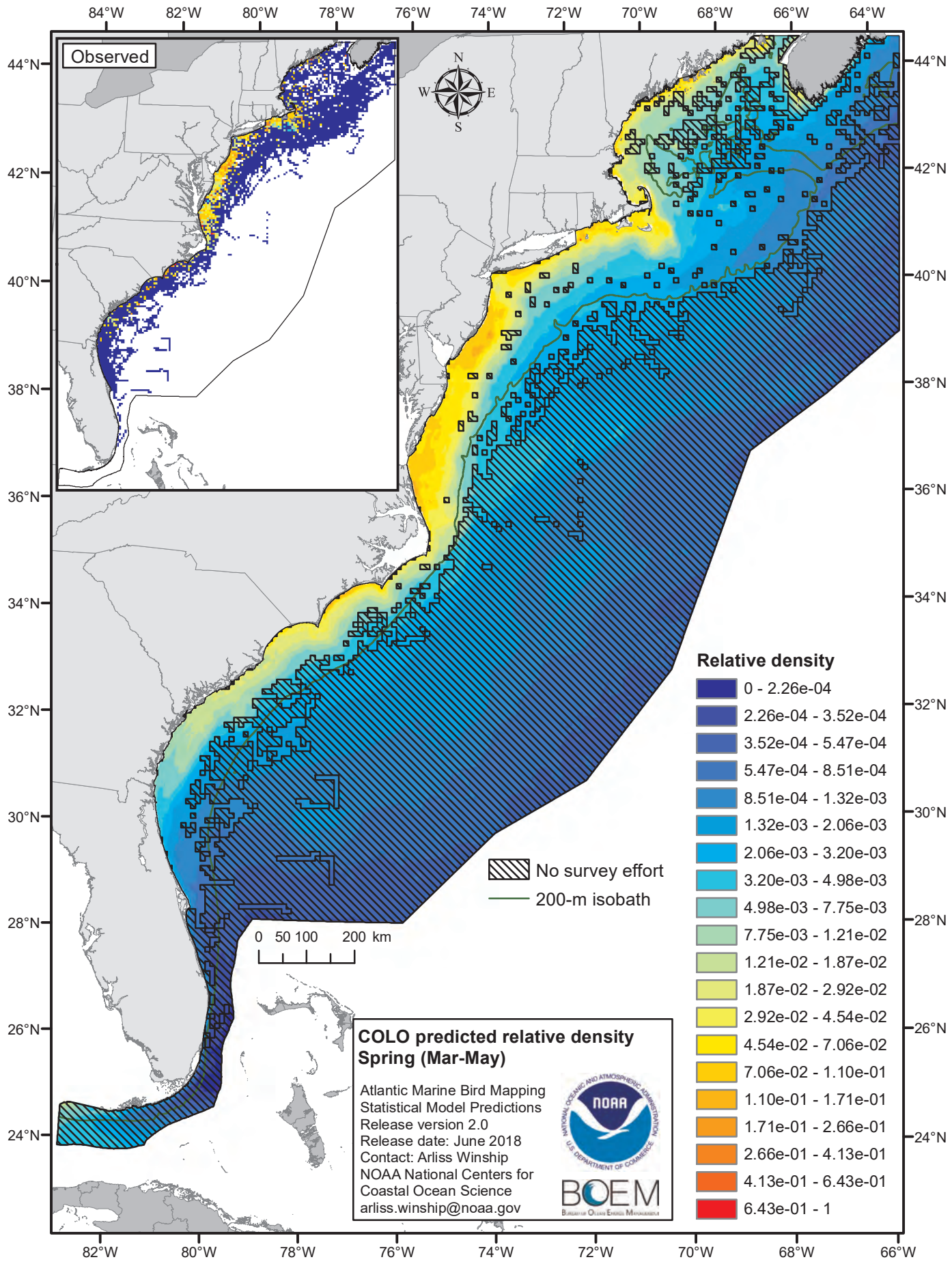
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
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66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.26e-04
2.26e-04 - 3.52e-04
3.52e-04 - 5.47e-04
5.47e-04 - 8.51e-04
8.51e-04 - 1.32e-03
1.32e-03 - 2.06e-03
2.06e-03 - 3.20e-03
3.20e-03 - 4.98e-03
4.98e-03 - 7.75e-03
7.75e-03 - 1.21e-02
1.21e-02 - 1.87e-02
1.87e-02 - 2.92e-02
2.92e-02 - 4.54e-02
4.54e-02 - 7.06e-02
7.06e-02 - 1.10e-01
1.10e-01 - 1.71e-01
1.71e-01 - 2.66e-01
2.66e-01 - 4.13e-01
4.13e-01 - 6.43e-01
6.43e-01 - 1
COLO predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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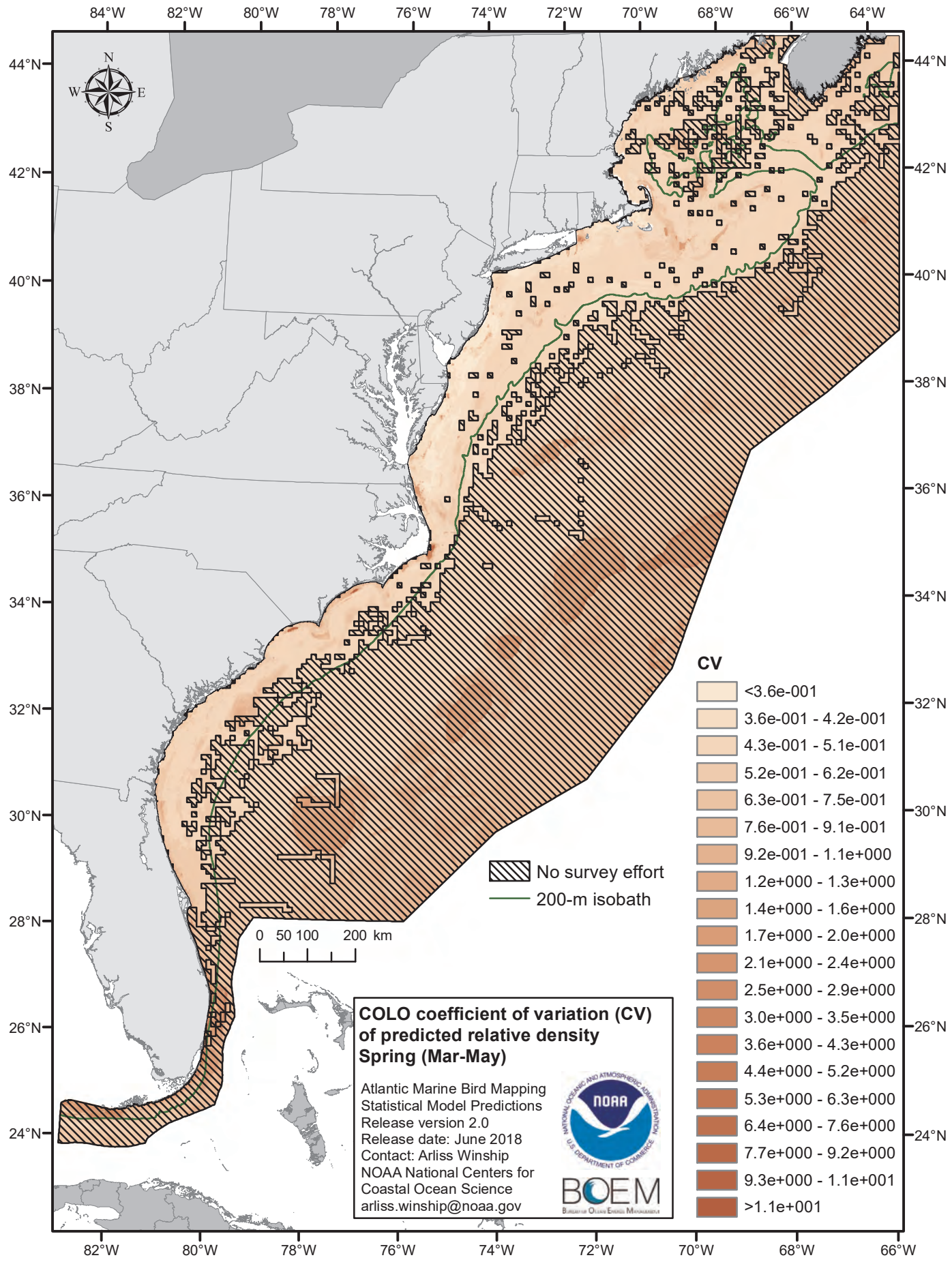
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.6e-001
3.6e-001 - 4.2e-001
4.3e-001 - 5.1e-001
5.2e-001 - 6.2e-001
6.3e-001 - 7.5e-001
7.6e-001 - 9.1e-001
9.2e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.3e+000
4.4e+000 - 5.2e+000
5.3e+000 - 6.3e+000
6.4e+000 - 7.6e+000
7.7e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
COLO coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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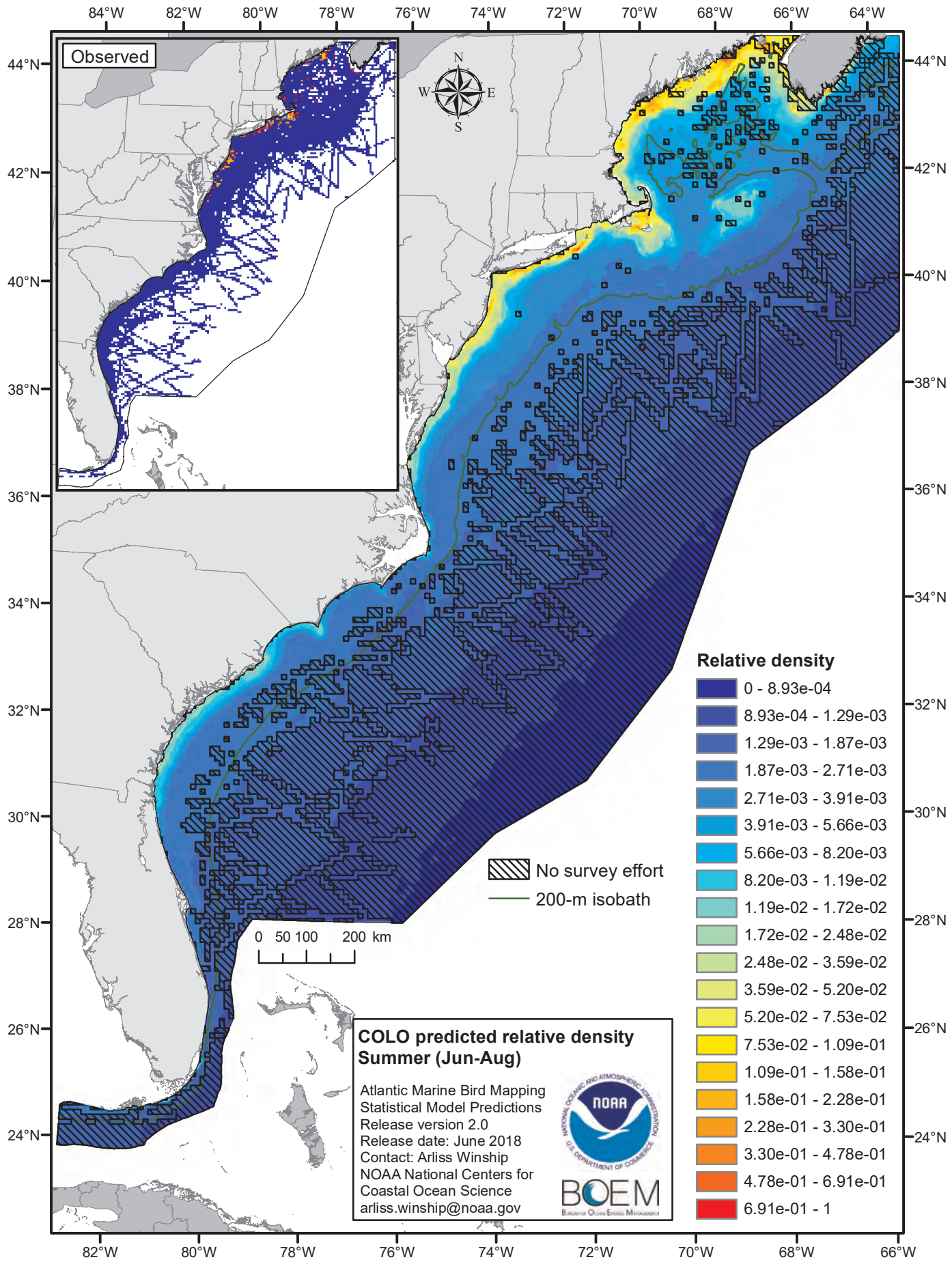
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 8.93e-04
8.93e-04 - 1.29e-03
1.29e-03 - 1.87e-03
1.87e-03 - 2.71e-03
2.71e-03 - 3.91e-03
3.91e-03 - 5.66e-03
5.66e-03 - 8.20e-03
8.20e-03 - 1.19e-02
1.19e-02 - 1.72e-02
1.72e-02 - 2.48e-02
2.48e-02 - 3.59e-02
3.59e-02 - 5.20e-02
5.20e-02 - 7.53e-02
7.53e-02 - 1.09e-01
1.09e-01 - 1.58e-01
1.58e-01 - 2.28e-01
2.28e-01 - 3.30e-01
3.30e-01 - 4.78e-01
4.78e-01 - 6.91e-01
6.91e-01 - 1
COLO predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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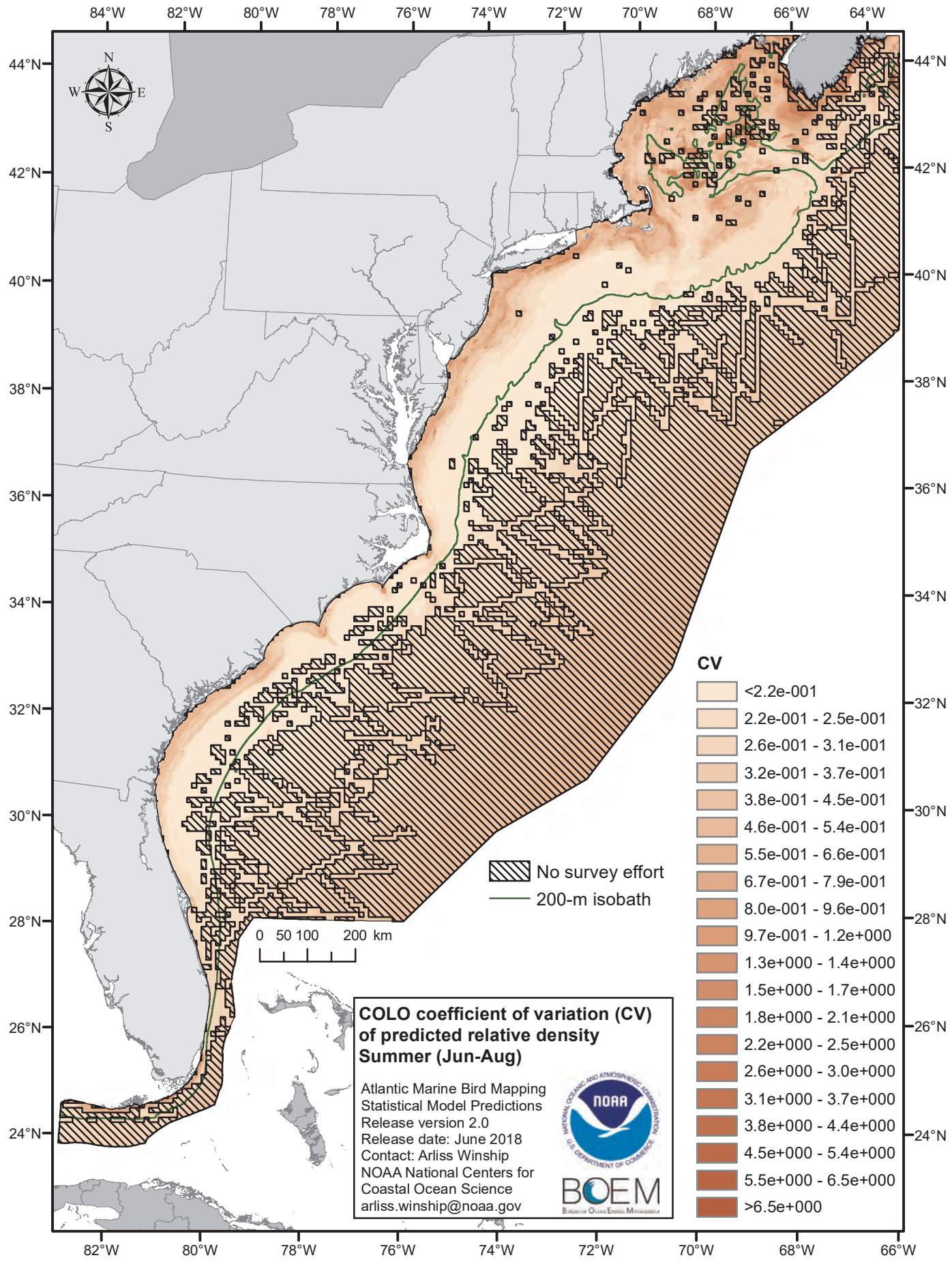
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.2e-001
2.2e-001 - 2.5e-001
2.6e-001 - 3.1e-001
3.2e-001 - 3.7e-001
3.8e-001 - 4.5e-001
4.6e-001 - 5.4e-001
5.5e-001 - 6.6e-001
6.7e-001 - 7.9e-001
8.0e-001 - 9.6e-001
9.7e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.4e+000
4.5e+000 - 5.4e+000
5.5e+000 - 6.5e+000
>6.5e+000
COLO coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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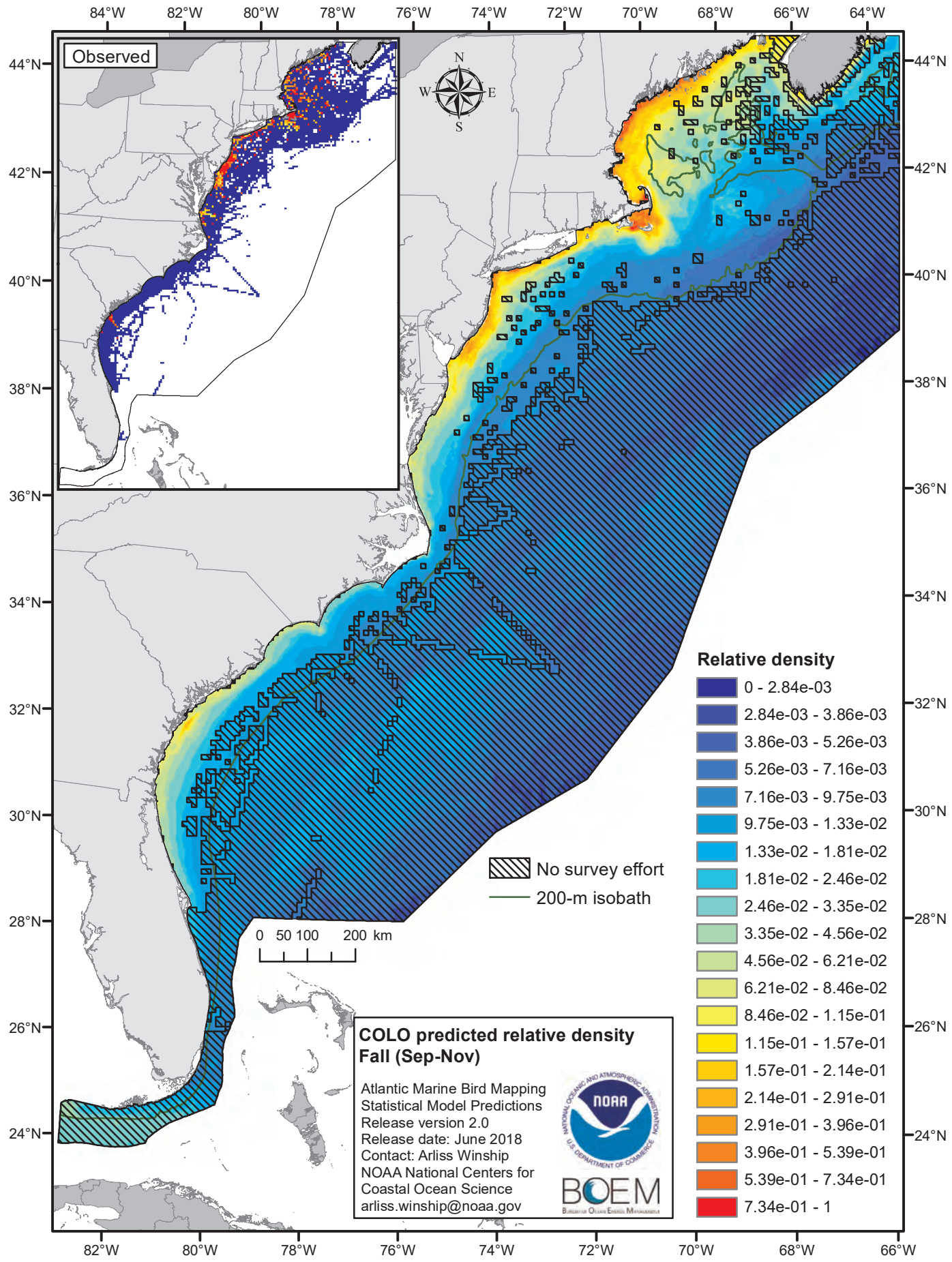
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.84e-03
2.84e-03 - 3.86e-03
3.86e-03 - 5.26e-03
5.26e-03 - 7.16e-03
7.16e-03 - 9.75e-03
9.75e-03 - 1.33e-02
1.33e-02 - 1.81e-02
1.81e-02 - 2.46e-02
2.46e-02 - 3.35e-02
3.35e-02 - 4.56e-02
4.56e-02 - 6.21e-02
6.21e-02 - 8.46e-02
8.46e-02 - 1.15e-01
1.15e-01 - 1.57e-01
1.57e-01 - 2.14e-01
2.14e-01 - 2.91e-01
2.91e-01 - 3.96e-01
3.96e-01 - 5.39e-01
5.39e-01 - 7.34e-01
7.34e-01 - 1
COLO predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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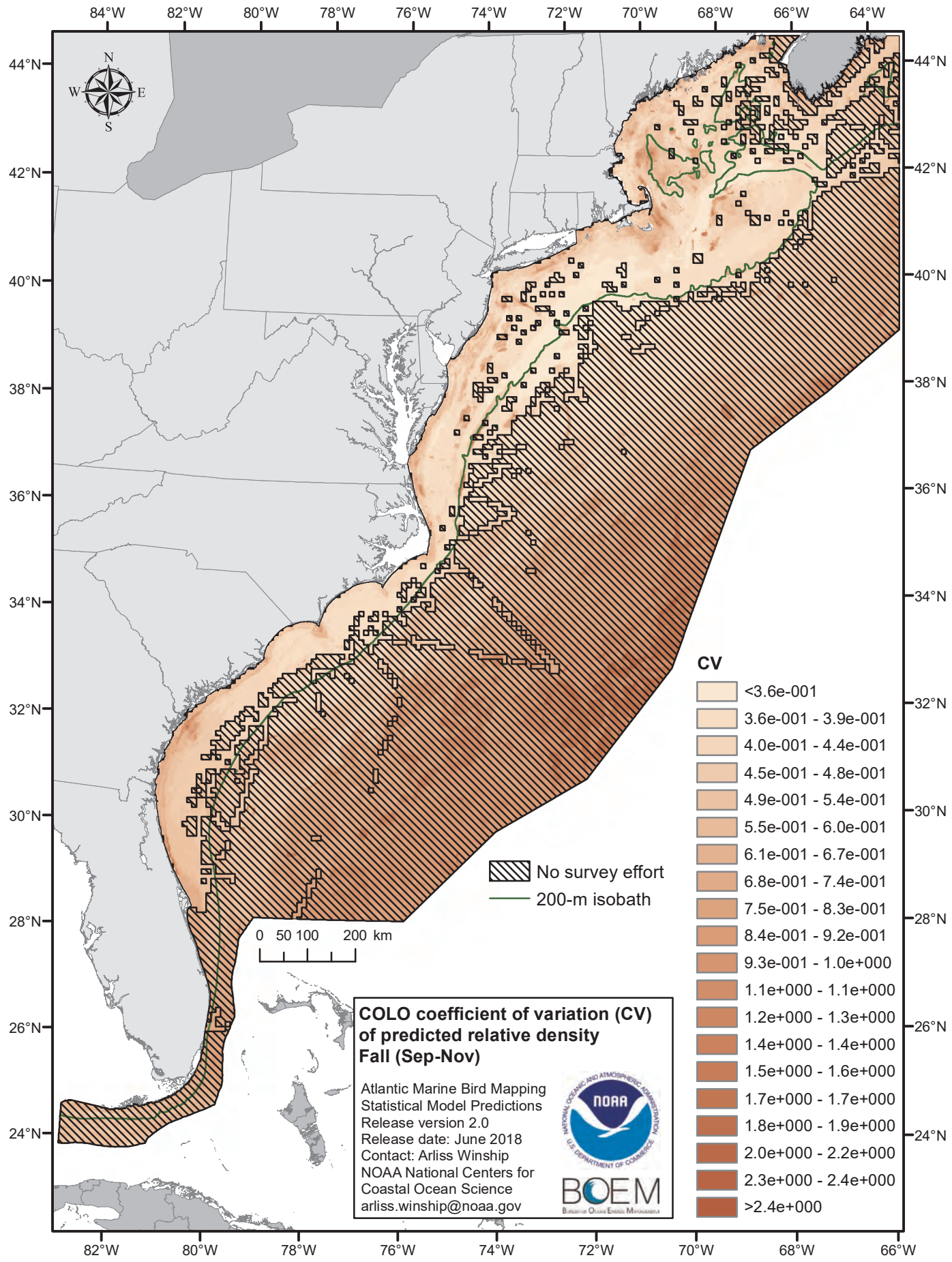
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.6e-001
3.6e-001 - 3.9e-001
4.0e-001 - 4.4e-001
4.5e-001 - 4.8e-001
4.9e-001 - 5.4e-001
5.5e-001 - 6.0e-001
6.1e-001 - 6.7e-001
6.8e-001 - 7.4e-001
7.5e-001 - 8.3e-001
8.4e-001 - 9.2e-001
9.3e-001 - 1.0e+000
1.1e+000 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.7e+000
1.8e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.4e+000
>2.4e+000
COLO coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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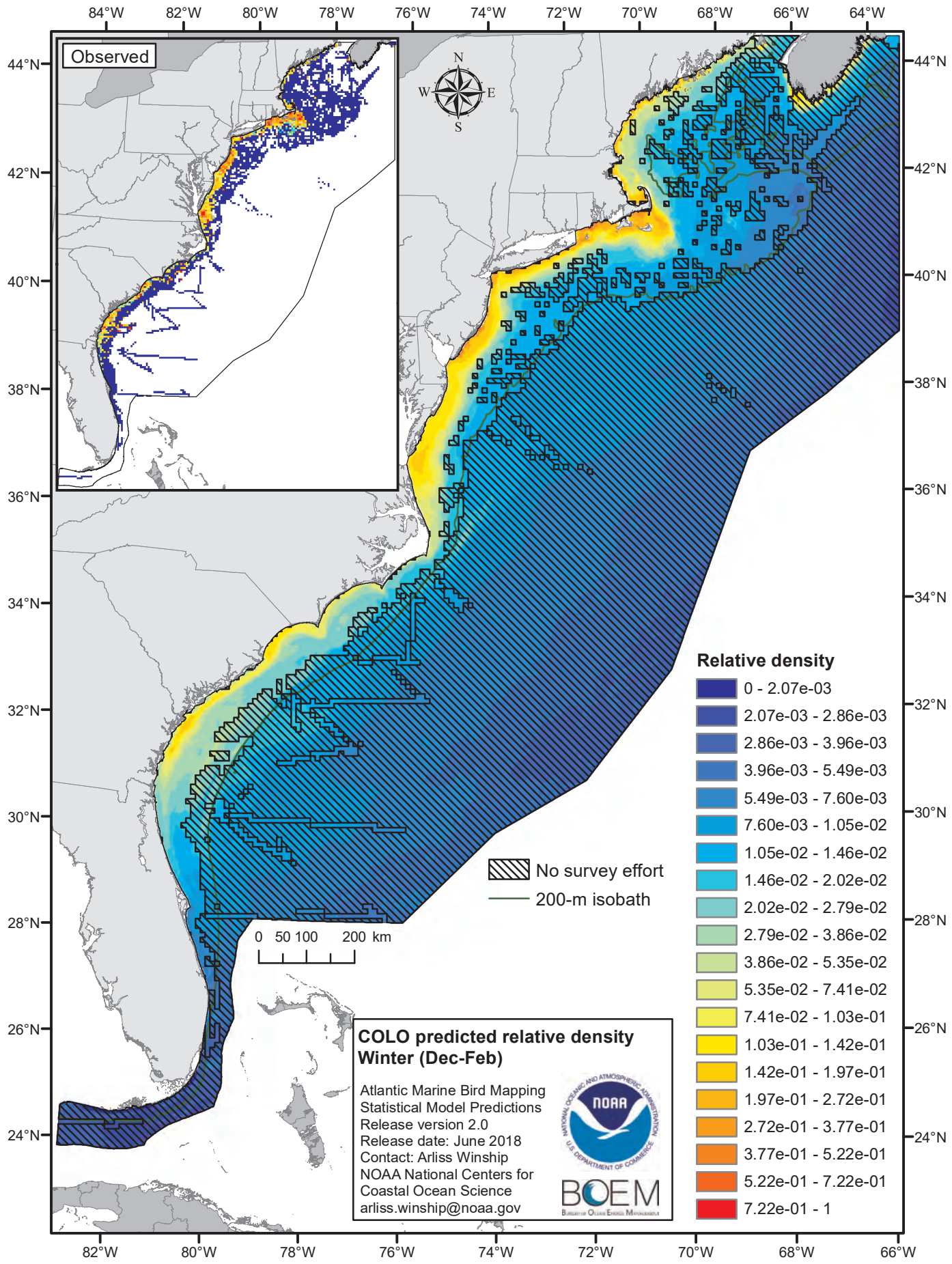
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.07e-03
2.07e-03 - 2.86e-03
2.86e-03 - 3.96e-03
3.96e-03 - 5.49e-03
5.49e-03 - 7.60e-03
7.60e-03 - 1.05e-02
1.05e-02 - 1.46e-02
1.46e-02 - 2.02e-02
2.02e-02 - 2.79e-02
2.79e-02 - 3.86e-02
3.86e-02 - 5.35e-02
5.35e-02 - 7.41e-02
7.41e-02 - 1.03e-01
1.03e-01 - 1.42e-01
1.42e-01 - 1.97e-01
1.97e-01 - 2.72e-01
2.72e-01 - 3.77e-01
3.77e-01 - 5.22e-01
5.22e-01 - 7.22e-01
7.22e-01 - 1
COLO predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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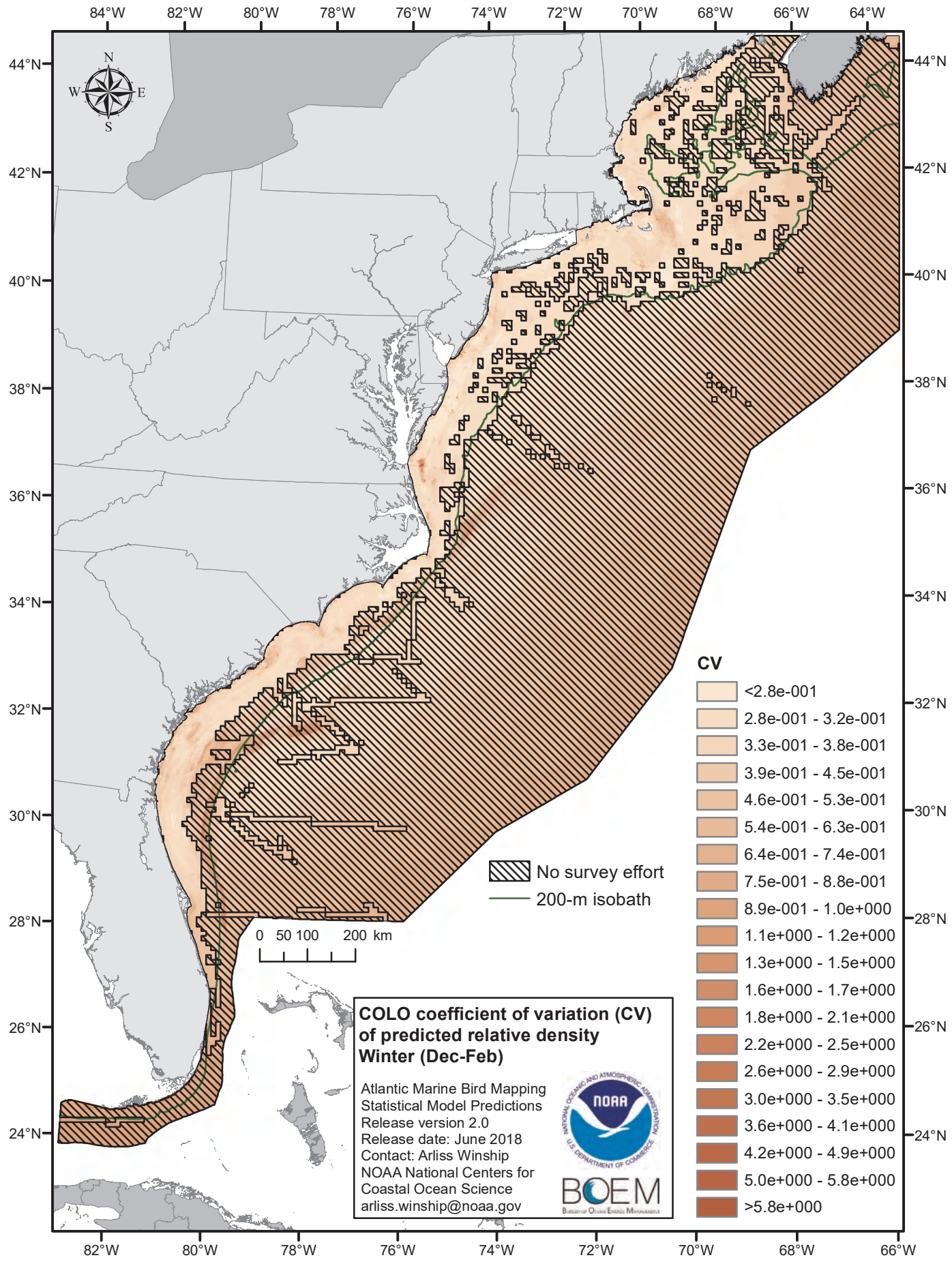
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.8e-001
2.8e-001 - 3.2e-001
3.3e-001 - 3.8e-001
3.9e-001 - 4.5e-001
4.6e-001 - 5.3e-001
5.4e-001 - 6.3e-001
6.4e-001 - 7.4e-001
7.5e-001 - 8.8e-001
8.9e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.1e+000
4.2e+000 - 4.9e+000
5.0e+000 - 5.8e+000
>5.8e+000
COLO coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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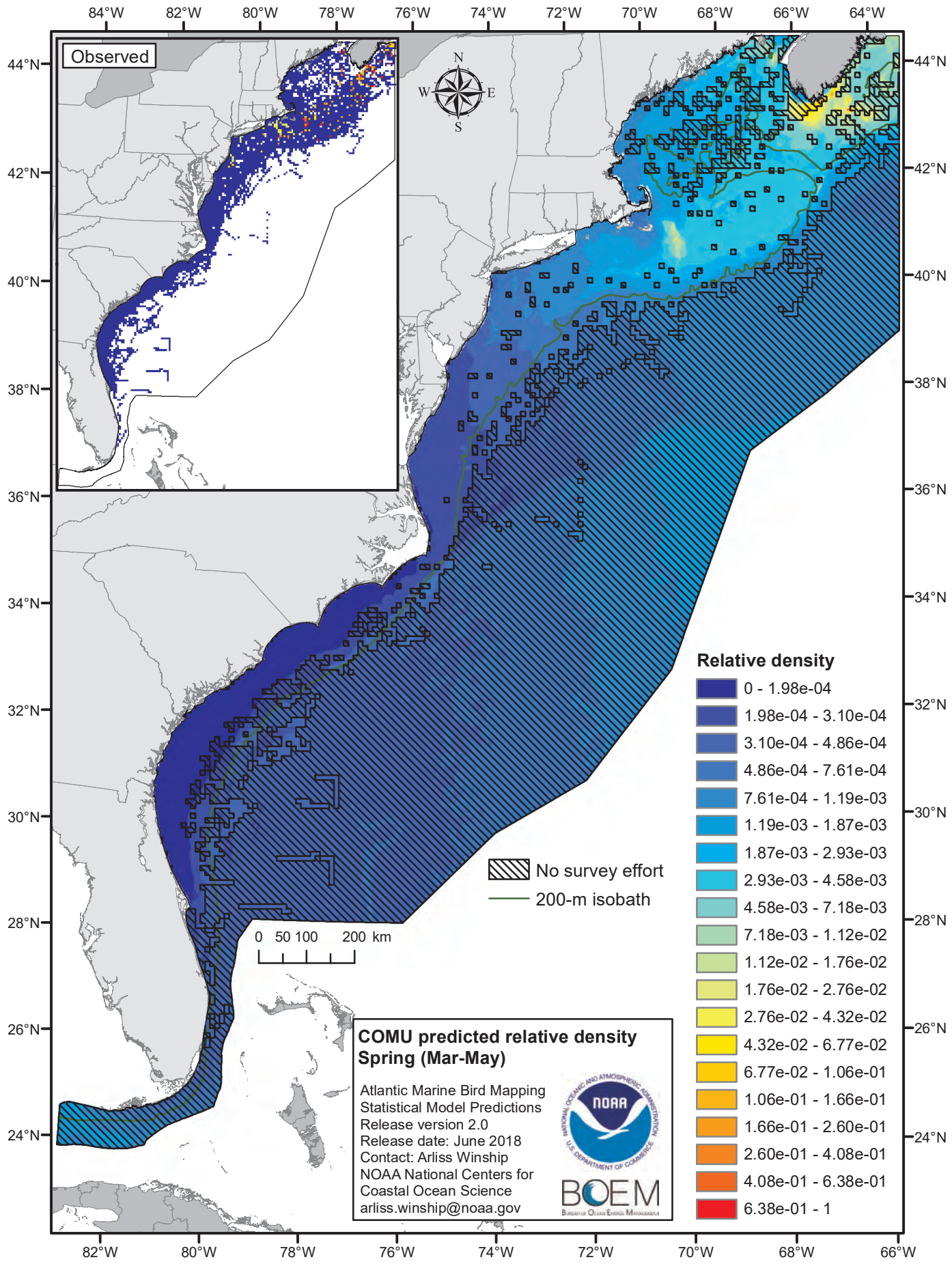
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.98e-04
1.98e-04 - 3.10e-04
3.10e-04 - 4.86e-04
4.86e-04 - 7.61e-04
7.61e-04 - 1.19e-03
1.19e-03 - 1.87e-03
1.87e-03 - 2.93e-03
2.93e-03 - 4.58e-03
4.58e-03 - 7.18e-03
7.18e-03 - 1.12e-02
1.12e-02 - 1.76e-02
1.76e-02 - 2.76e-02
2.76e-02 - 4.32e-02
4.32e-02 - 6.77e-02
6.77e-02 - 1.06e-01
1.06e-01 - 1.66e-01
1.66e-01 - 2.60e-01
2.60e-01 - 4.08e-01
4.08e-01 - 6.38e-01
6.38e-01 - 1
COMU predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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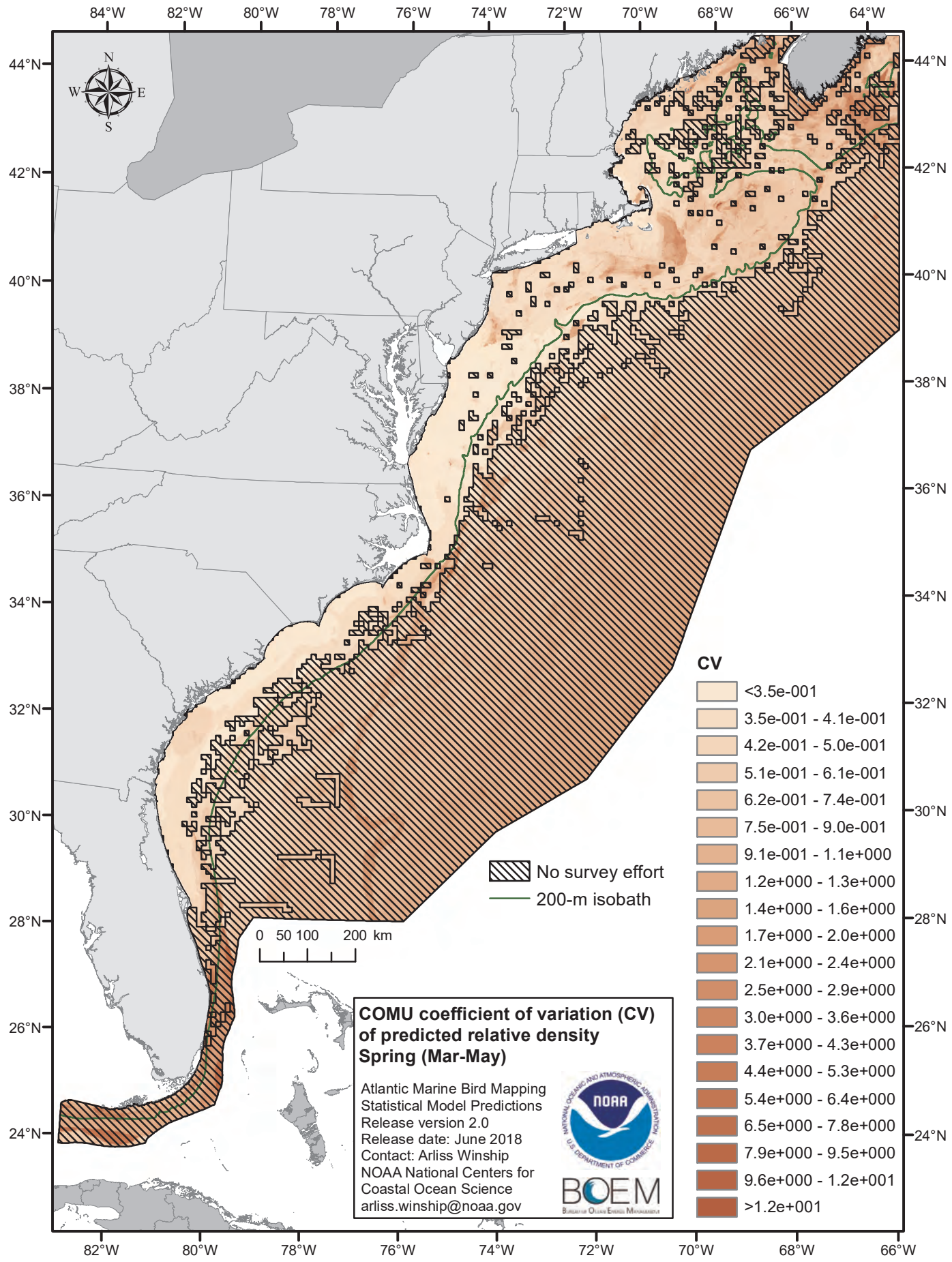
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.5e-001
3.5e-001 - 4.1e-001
4.2e-001 - 5.0e-001
5.1e-001 - 6.1e-001
6.2e-001 - 7.4e-001
7.5e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.6e+000
3.7e+000 - 4.3e+000
4.4e+000 - 5.3e+000
5.4e+000 - 6.4e+000
6.5e+000 - 7.8e+000
7.9e+000 - 9.5e+000
9.6e+000 - 1.2e+001
>1.2e+001
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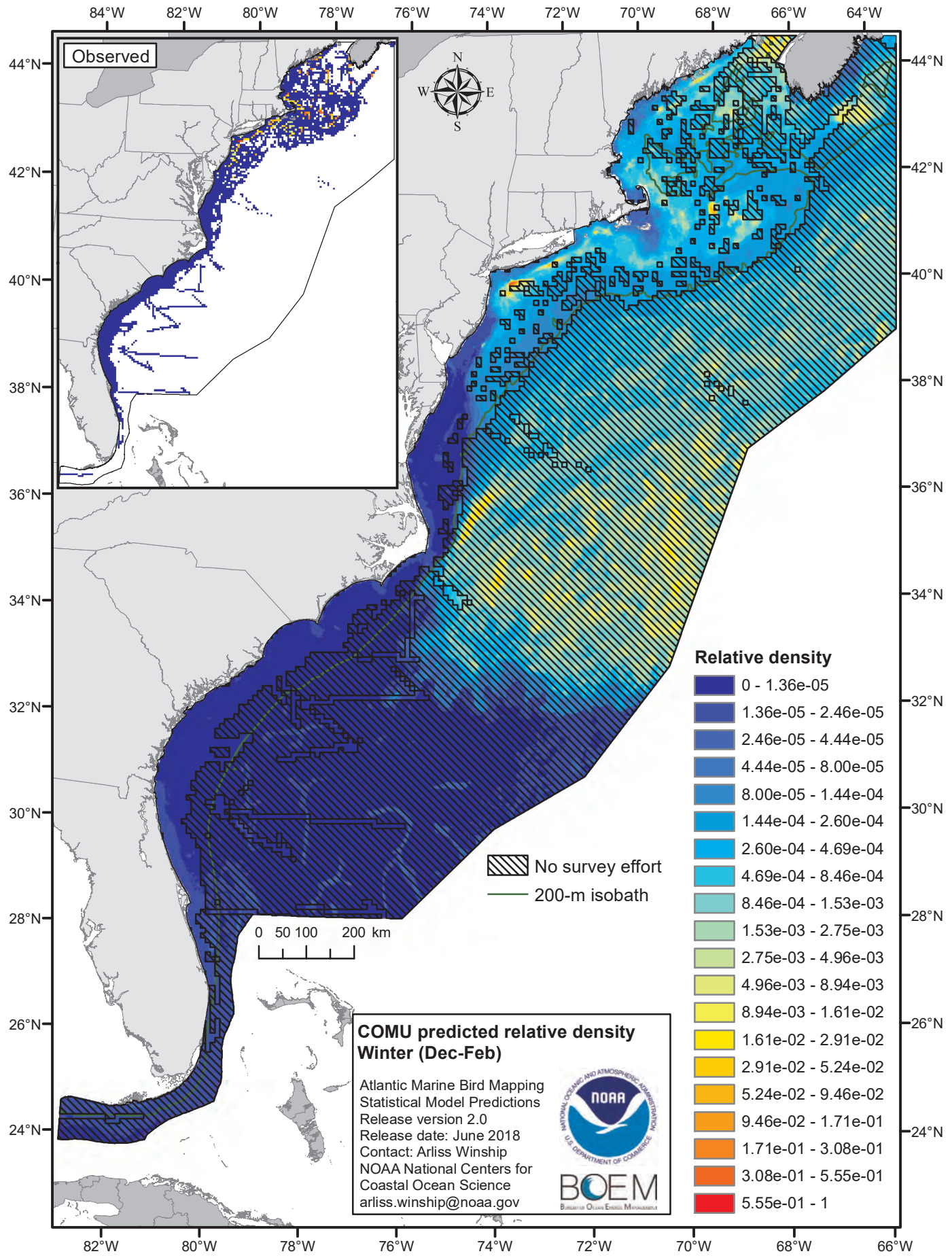
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 1.36e-05
1.36e-05 - 2.46e-05
2.46e-05 - 4.44e-05
4.44e-05 - 8.00e-05
8.00e-05 - 1.44e-04
1.44e-04 - 2.60e-04
2.60e-04 - 4.69e-04
4.69e-04 - 8.46e-04
8.46e-04 - 1.53e-03
1.53e-03 - 2.75e-03
2.75e-03 - 4.96e-03
4.96e-03 - 8.94e-03
8.94e-03 - 1.61e-02
1.61e-02 - 2.91e-02
2.91e-02 - 5.24e-02
5.24e-02 - 9.46e-02
9.46e-02 - 1.71e-01
1.71e-01 - 3.08e-01
3.08e-01 - 5.55e-01
5.55e-01 - 1
COMU predicted relative density
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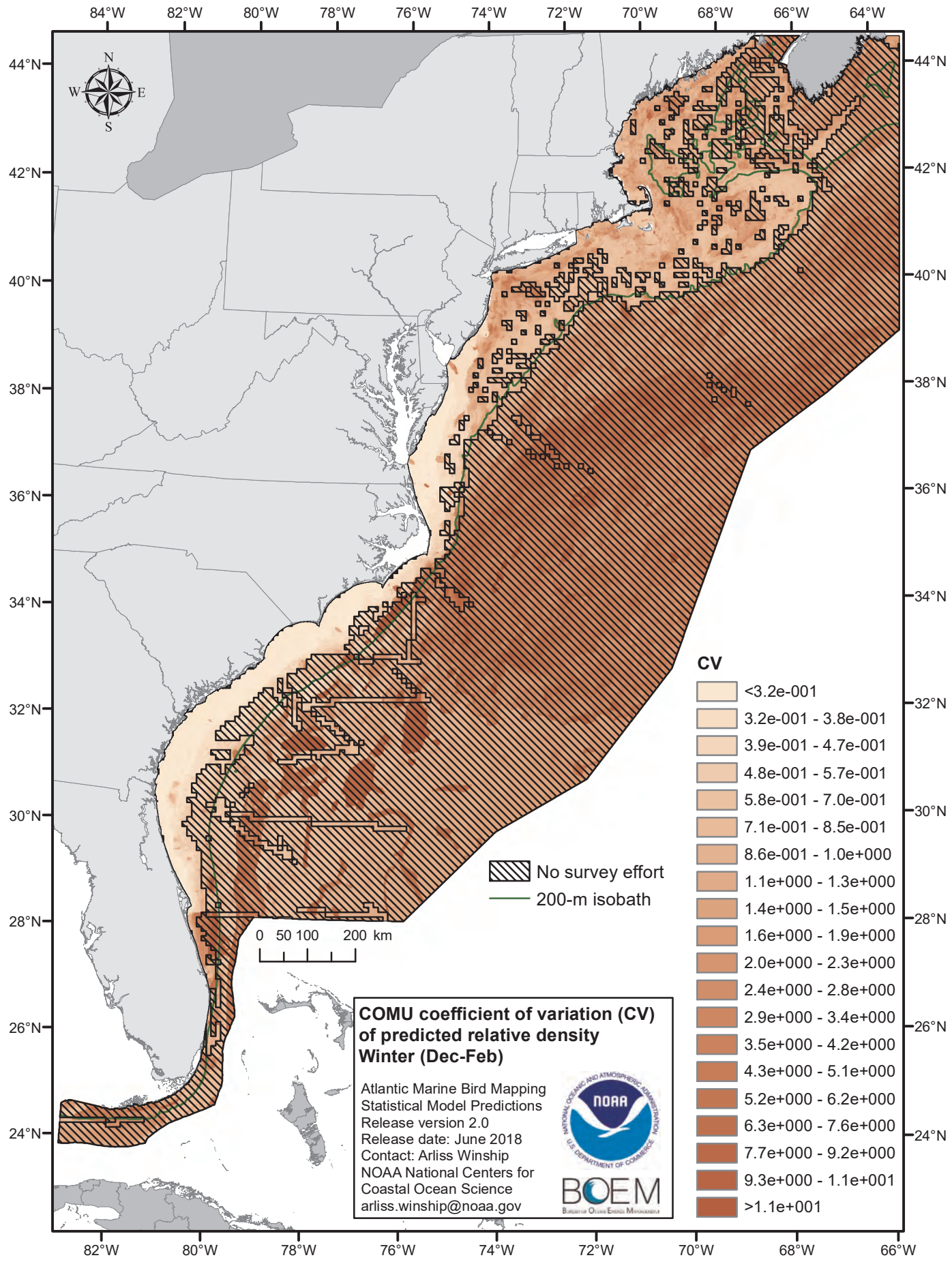
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.2e-001
3.2e-001 - 3.8e-001
3.9e-001 - 4.7e-001
4.8e-001 - 5.7e-001
5.8e-001 - 7.0e-001
7.1e-001 - 8.5e-001
8.6e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.2e+000
4.3e+000 - 5.1e+000
5.2e+000 - 6.2e+000
6.3e+000 - 7.6e+000
7.7e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
COMU coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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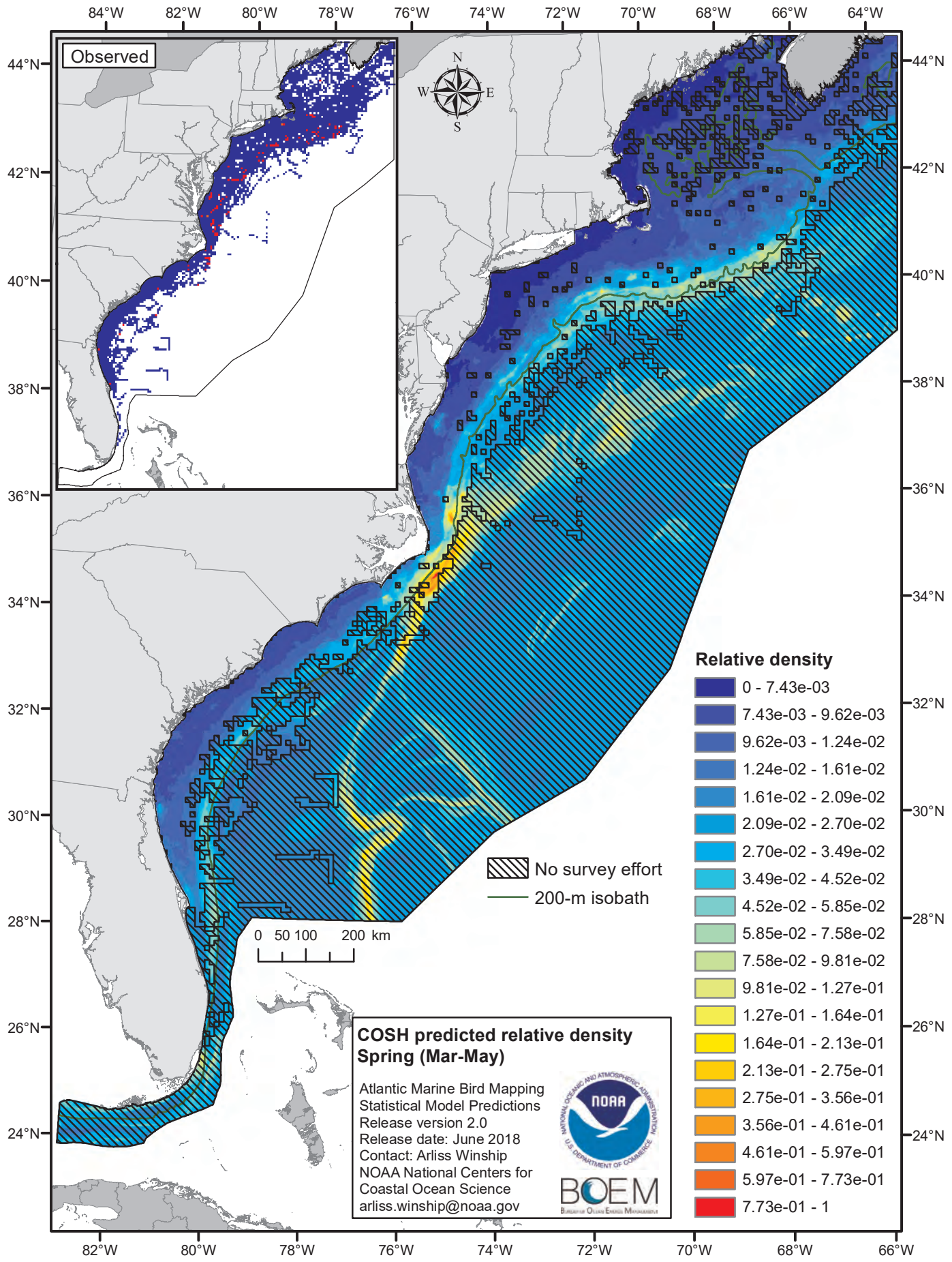
BOEM


Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 7.43e-03
7.43e-03 - 9.62e-03
9.62e-03 - 1.24e-02
1.24e-02 - 1.61e-02
1.61e-02 - 2.09e-02
2.09e-02 - 2.70e-02
2.70e-02 - 3.49e-02
3.49e-02 - 4.52e-02
4.52e-02 - 5.85e-02
5.85e-02 - 7.58e-02
7.58e-02 - 9.81e-02
9.81e-02 - 1.27e-01
1.27e-01 - 1.64e-01
1.64e-01 - 2.13e-01
2.13e-01 - 2.75e-01
2.75e-01 - 3.56e-01
3.56e-01 - 4.61e-01
4.61e-01 - 5.97e-01
5.97e-01 - 7.73e-01
7.73e-01 - 1
COSH predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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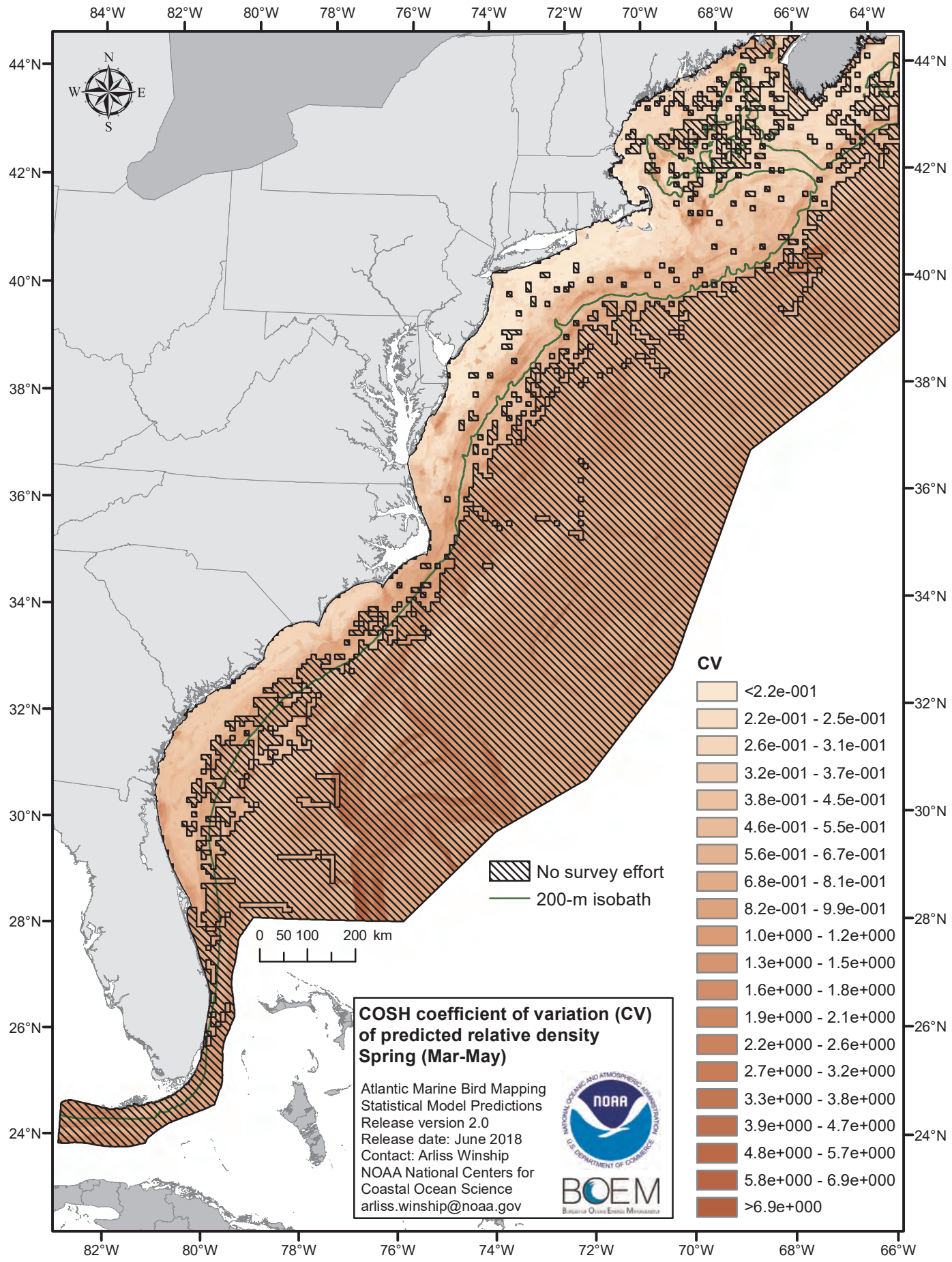
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.2e-001
2.2e-001 - 2.5e-001
2.6e-001 - 3.1e-001
3.2e-001 - 3.7e-001
3.8e-001 - 4.5e-001
4.6e-001 - 5.5e-001
5.6e-001 - 6.7e-001
6.8e-001 - 8.1e-001
8.2e-001 - 9.9e-001
1.0e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 3.8e+000
3.9e+000 - 4.7e+000
4.8e+000 - 5.7e+000
5.8e+000 - 6.9e+000
>6.9e+000
COSH coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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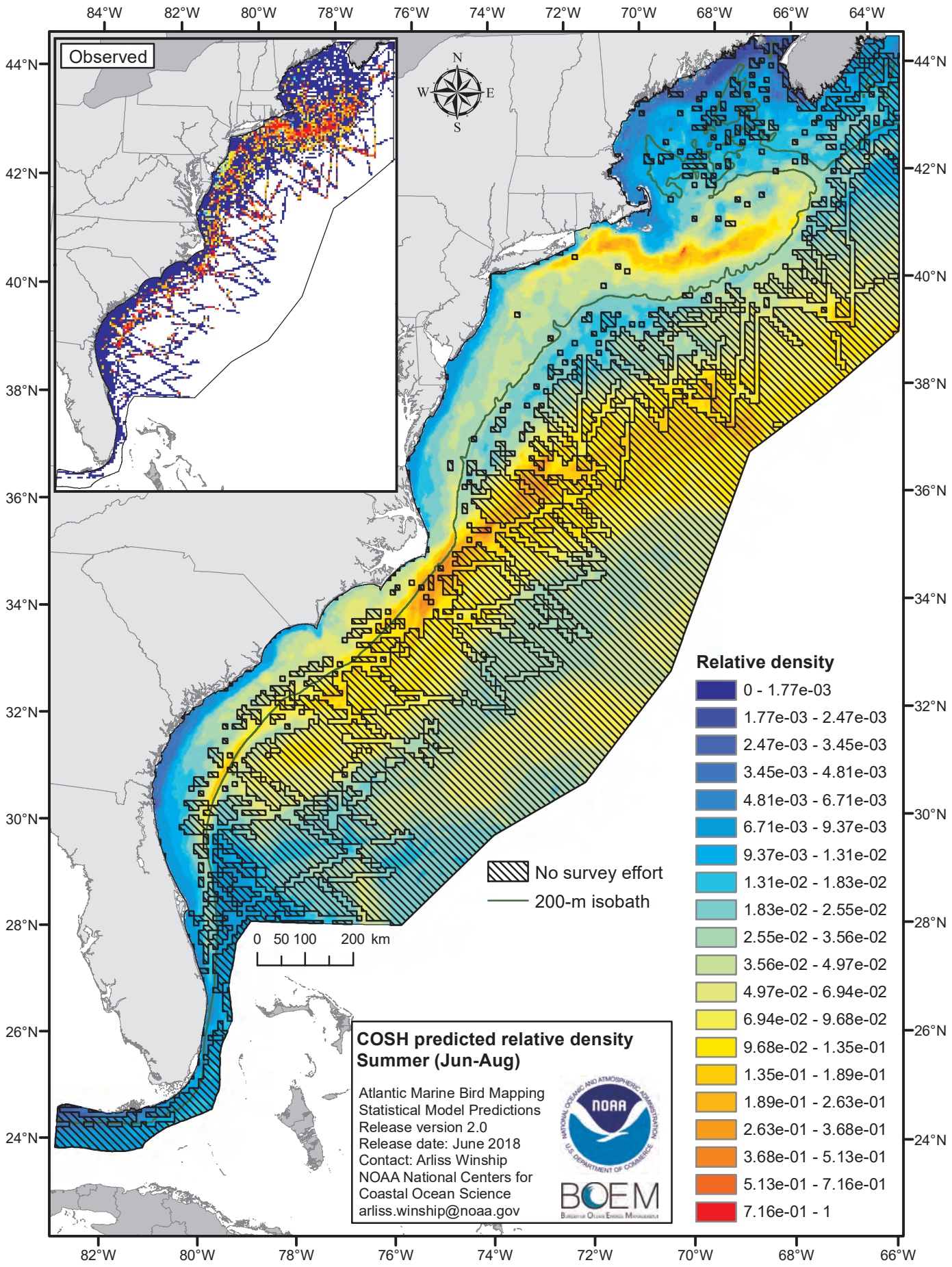
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.77e-03
1.77e-03 - 2.47e-03
2.47e-03 - 3.45e-03
3.45e-03 - 4.81e-03
4.81e-03 - 6.71e-03
6.71e-03 - 9.37e-03
9.37e-03 - 1.31e-02
1.31e-02 - 1.83e-02
1.83e-02 - 2.55e-02
2.55e-02 - 3.56e-02
3.56e-02 - 4.97e-02
4.97e-02 - 6.94e-02
6.94e-02 - 9.68e-02
9.68e-02 - 1.35e-01
1.35e-01 - 1.89e-01
1.89e-01 - 2.63e-01
2.63e-01 - 3.68e-01
3.68e-01 - 5.13e-01
5.13e-01 - 7.16e-01
7.16e-01 - 1
COSH predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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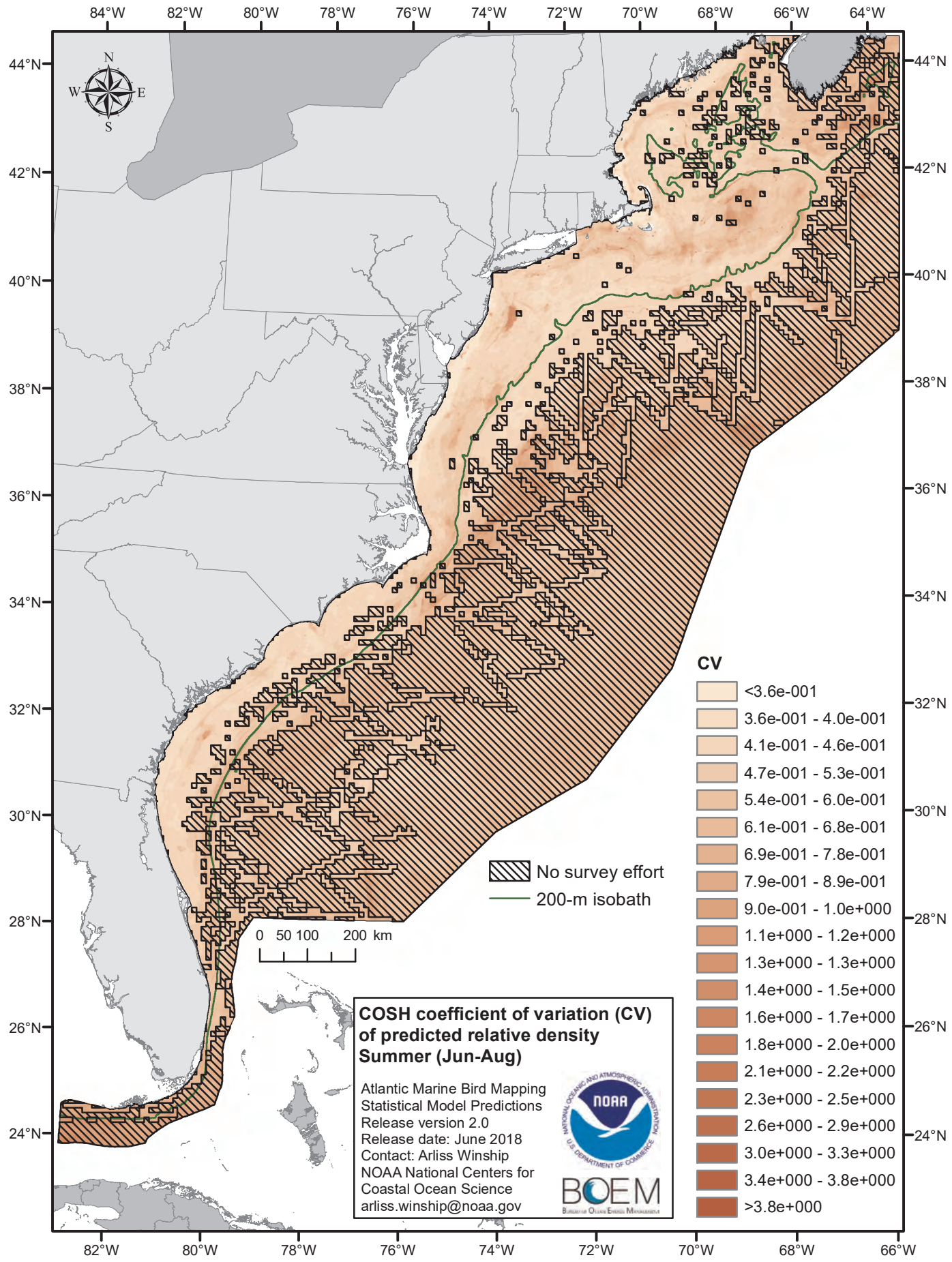
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.6e-001
3.6e-001 - 4.0e-001
4.1e-001 - 4.6e-001
4.7e-001 - 5.3e-001
5.4e-001 - 6.0e-001
6.1e-001 - 6.8e-001
6.9e-001 - 7.8e-001
7.9e-001 - 8.9e-001
9.0e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.2e+000
2.3e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.3e+000
3.4e+000 - 3.8e+000
>3.8e+000
COSH coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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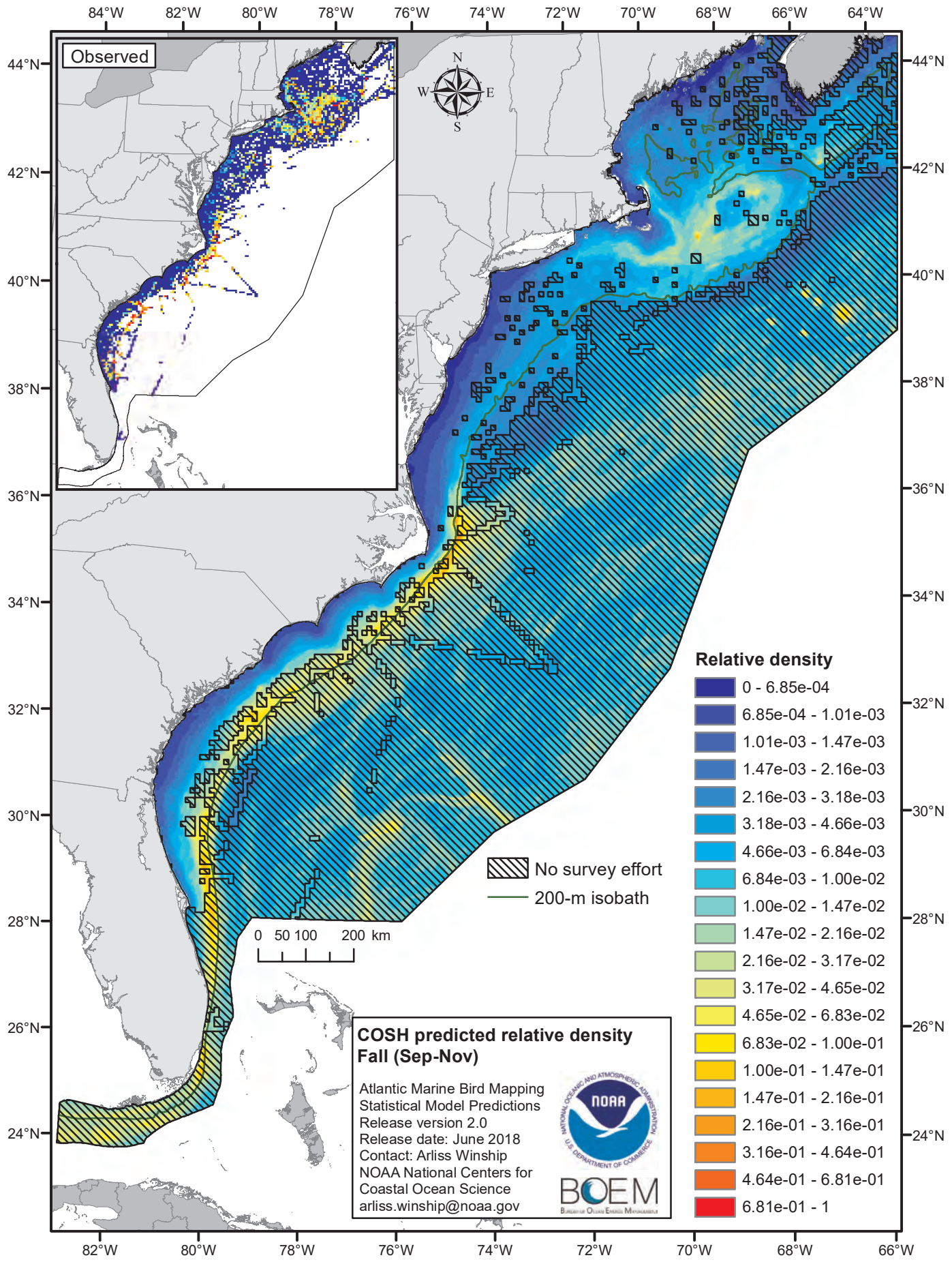
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.85e-04
6.85e-04 - 1.01e-03
1.01e-03 - 1.47e-03
1.47e-03 - 2.16e-03
2.16e-03 - 3.18e-03
3.18e-03 - 4.66e-03
4.66e-03 - 6.84e-03
6.84e-03 - 1.00e-02
1.00e-02 - 1.47e-02
1.47e-02 - 2.16e-02
2.16e-02 - 3.17e-02
3.17e-02 - 4.65e-02
4.65e-02 - 6.83e-02
6.83e-02 - 1.00e-01
1.00e-01 - 1.47e-01
1.47e-01 - 2.16e-01
2.16e-01 - 3.16e-01
3.16e-01 - 4.64e-01
4.64e-01 - 6.81e-01
6.81e-01 - 1
COSH predicted relative density
Fall (Sep-Nov)
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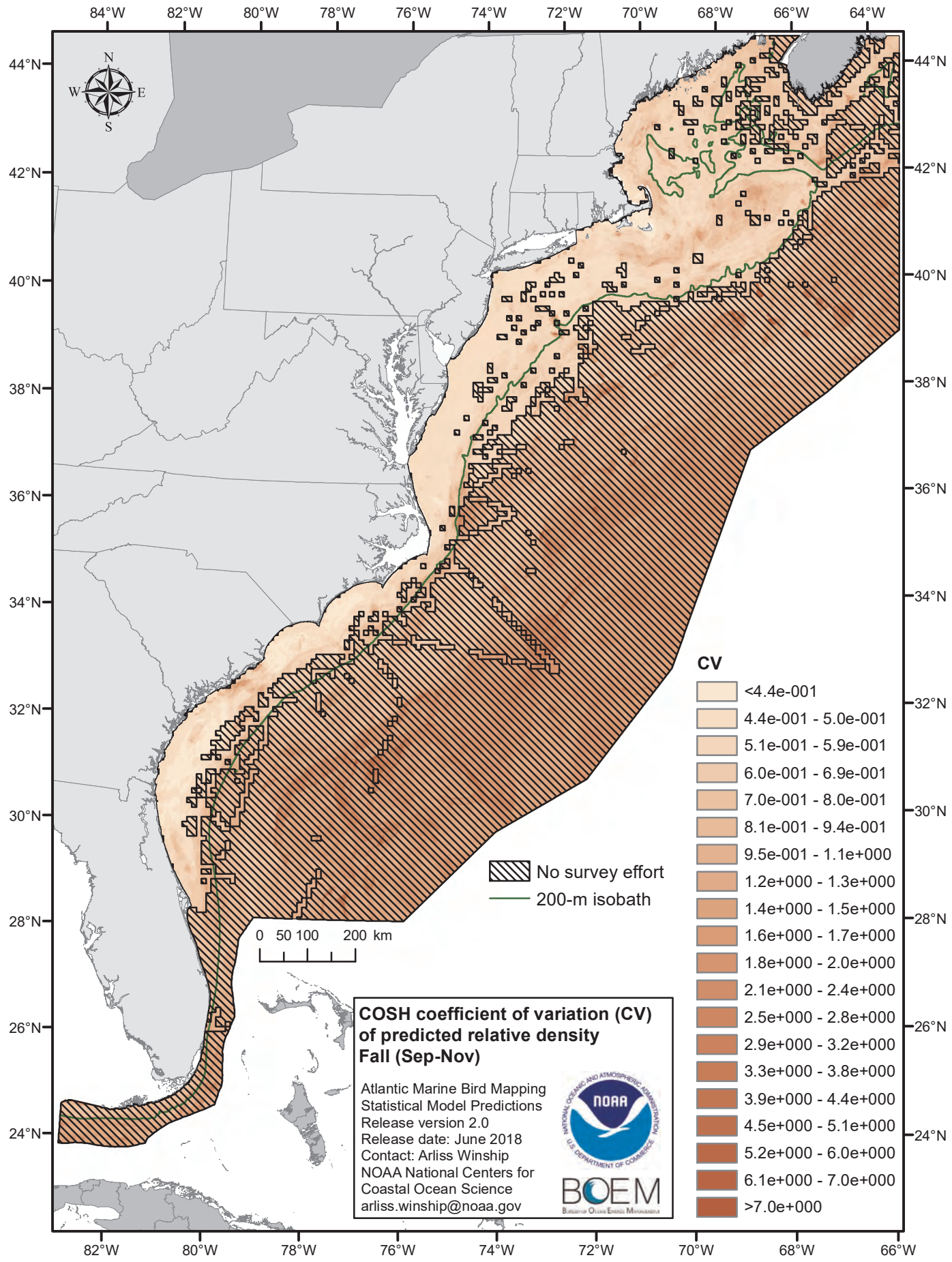
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.4e-001
4.4e-001 - 5.0e-001
5.1e-001 - 5.9e-001
6.0e-001 - 6.9e-001
7.0e-001 - 8.0e-001
8.1e-001 - 9.4e-001
9.5e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.2e+000
3.3e+000 - 3.8e+000
3.9e+000 - 4.4e+000
4.5e+000 - 5.1e+000
5.2e+000 - 6.0e+000
6.1e+000 - 7.0e+000
>7.0e+000
COSH coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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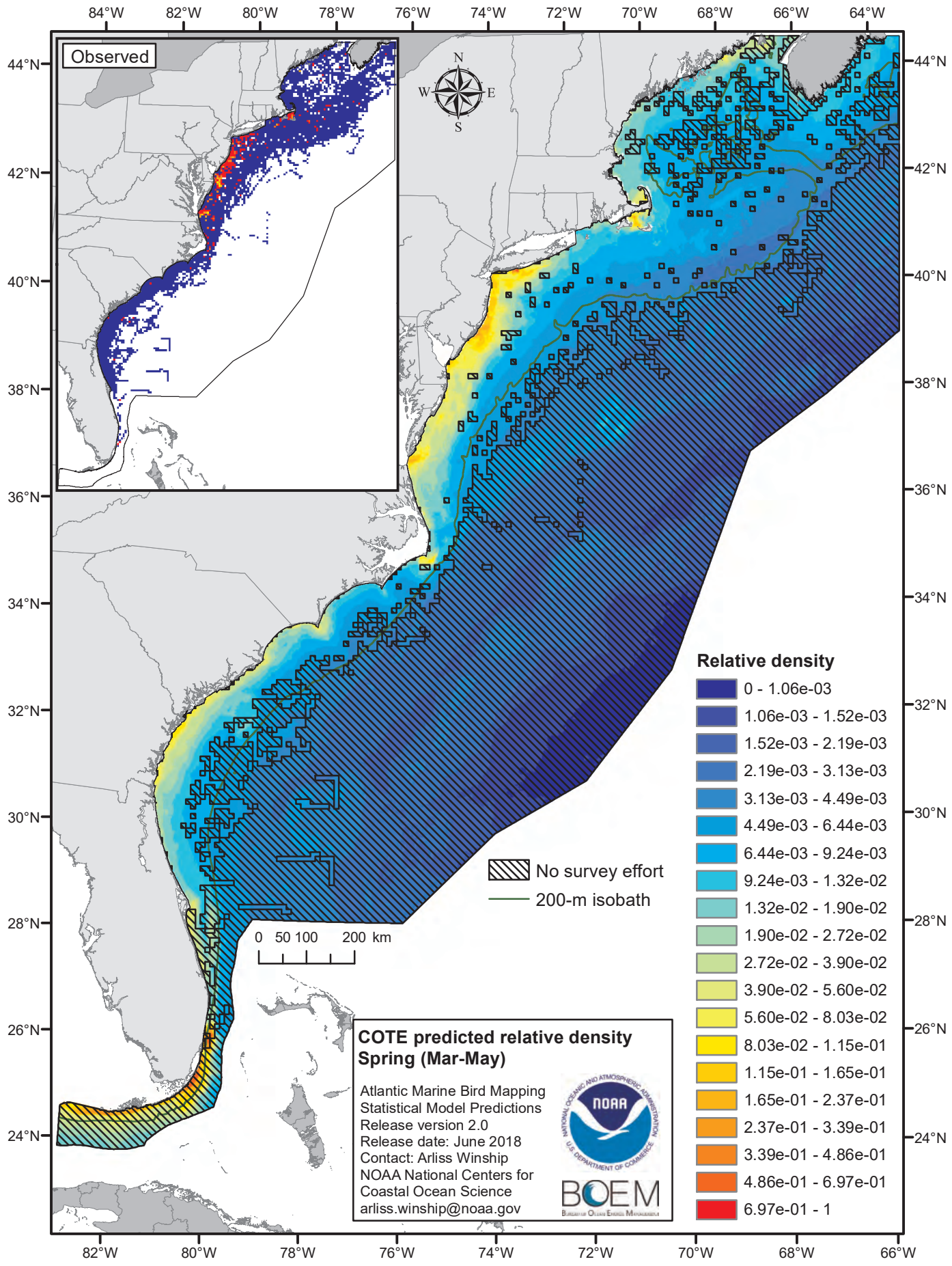
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.06e-03
1.06e-03 - 1.52e-03
1.52e-03 - 2.19e-03
2.19e-03 - 3.13e-03
3.13e-03 - 4.49e-03
4.49e-03 - 6.44e-03
6.44e-03 - 9.24e-03
9.24e-03 - 1.32e-02
1.32e-02 - 1.90e-02
1.90e-02 - 2.72e-02
2.72e-02 - 3.90e-02
3.90e-02 - 5.60e-02
5.60e-02 - 8.03e-02
8.03e-02 - 1.15e-01
1.15e-01 - 1.65e-01
1.65e-01 - 2.37e-01
2.37e-01 - 3.39e-01
3.39e-01 - 4.86e-01
4.86e-01 - 6.97e-01
6.97e-01 - 1
COTE predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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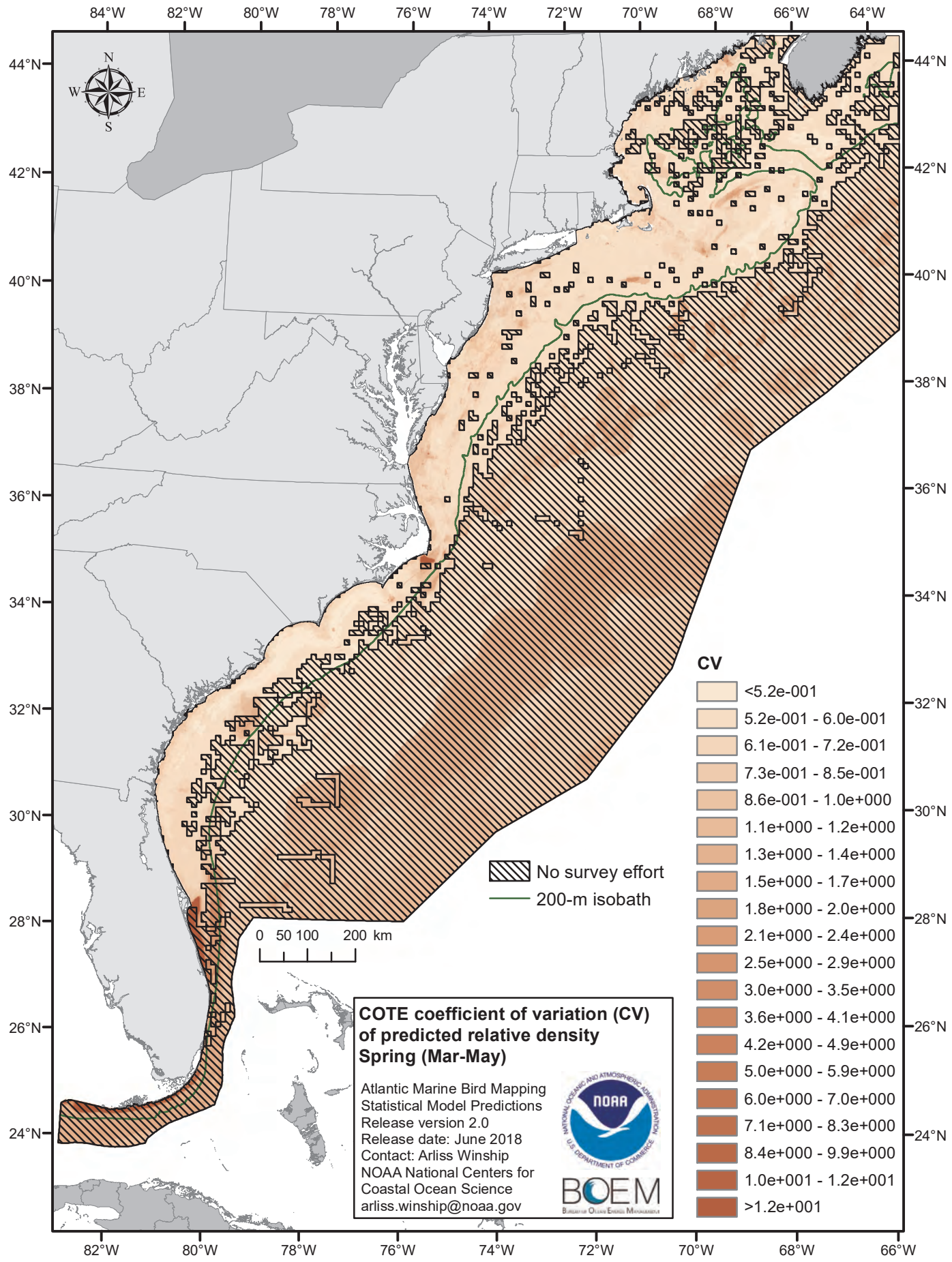
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.2e-001
5.2e-001 - 6.0e-001
6.1e-001 - 7.2e-001
7.3e-001 - 8.5e-001
8.6e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.1e+000
4.2e+000 - 4.9e+000
5.0e+000 - 5.9e+000
6.0e+000 - 7.0e+000
7.1e+000 - 8.3e+000
8.4e+000 - 9.9e+000
1.0e+001 - 1.2e+001
>1.2e+001
COTE coefficient of variation (CV) of predicted relative density
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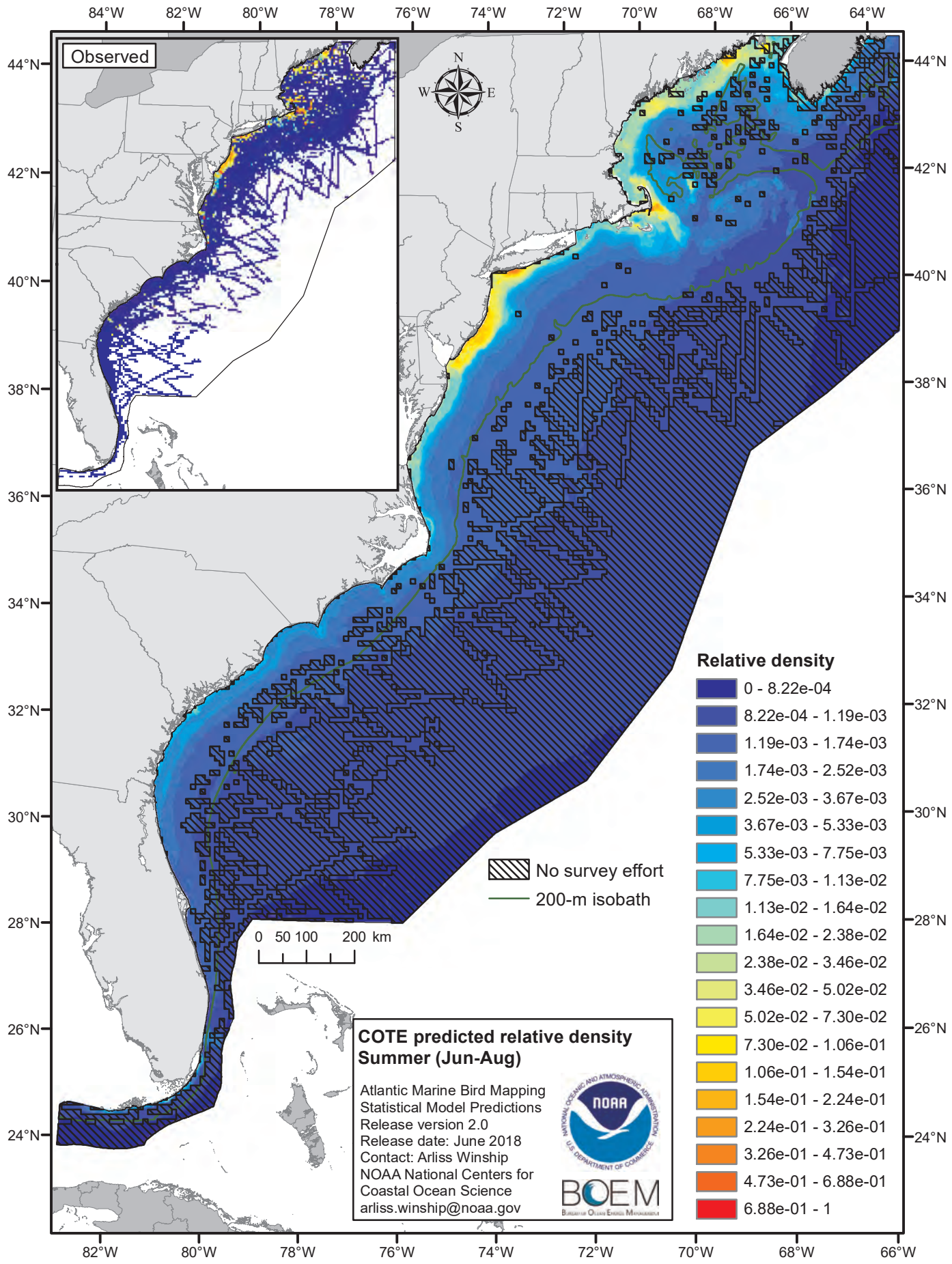
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 8.22e-04
8.22e-04 - 1.19e-03
1.19e-03 - 1.74e-03
1.74e-03 - 2.52e-03
2.52e-03 - 3.67e-03
3.67e-03 - 5.33e-03
5.33e-03 - 7.75e-03
7.75e-03 - 1.13e-02
1.13e-02 - 1.64e-02
1.64e-02 - 2.38e-02
2.38e-02 - 3.46e-02
3.46e-02 - 5.02e-02
5.02e-02 - 7.30e-02
7.30e-02 - 1.06e-01
1.06e-01 - 1.54e-01
1.54e-01 - 2.24e-01
2.24e-01 - 3.26e-01
3.26e-01 - 4.73e-01
4.73e-01 - 6.88e-01
6.88e-01 - 1
COTE predicted relative density
Summer (Jun-Aug)
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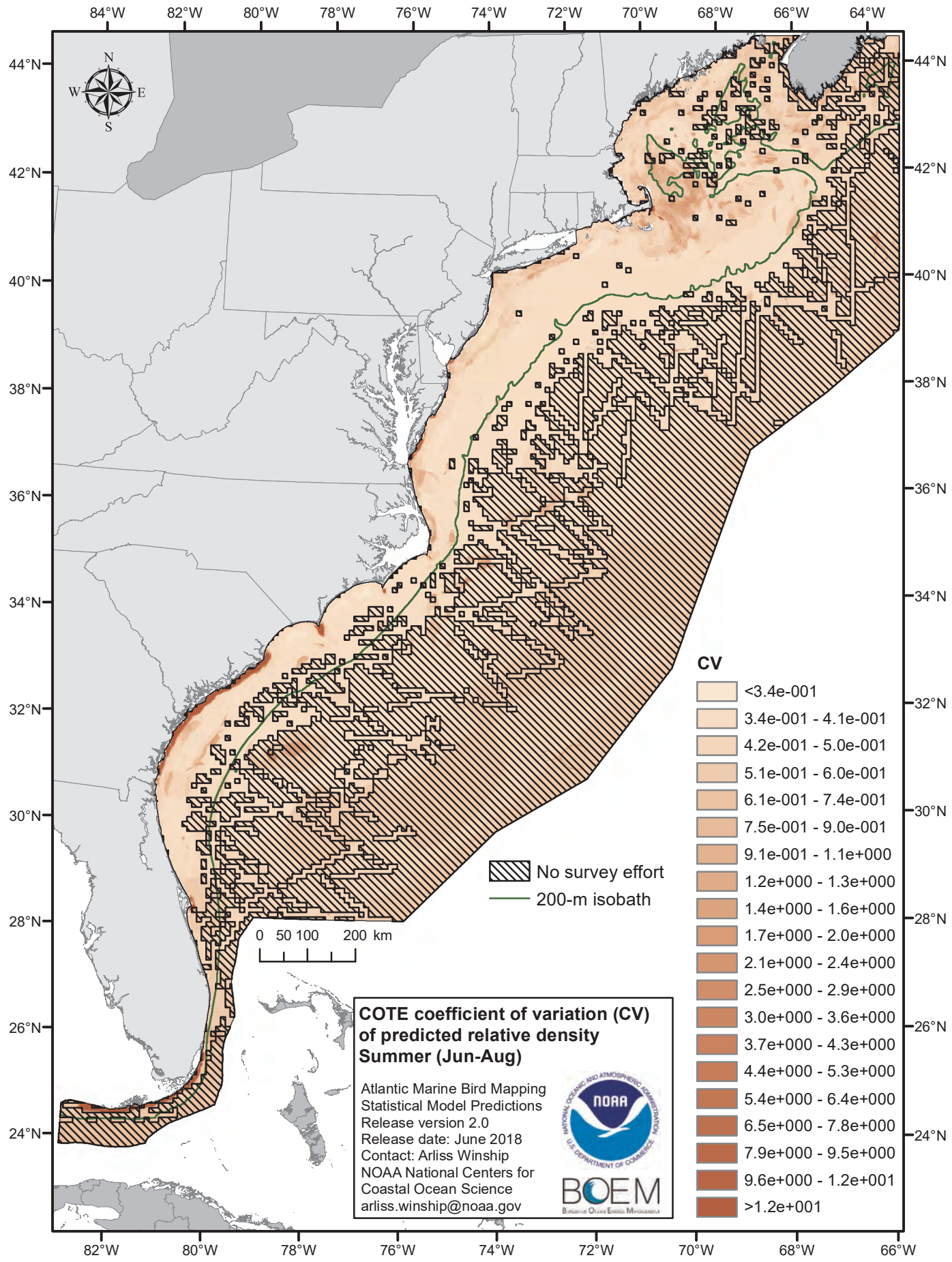
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.4e-001
3.4e-001 - 4.1e-001
4.2e-001 - 5.0e-001
5.1e-001 - 6.0e-001
6.1e-001 - 7.4e-001
7.5e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.6e+000
3.7e+000 - 4.3e+000
4.4e+000 - 5.3e+000
5.4e+000 - 6.4e+000
6.5e+000 - 7.8e+000
7.9e+000 - 9.5e+000
9.6e+000 - 1.2e+001
>1.2e+001
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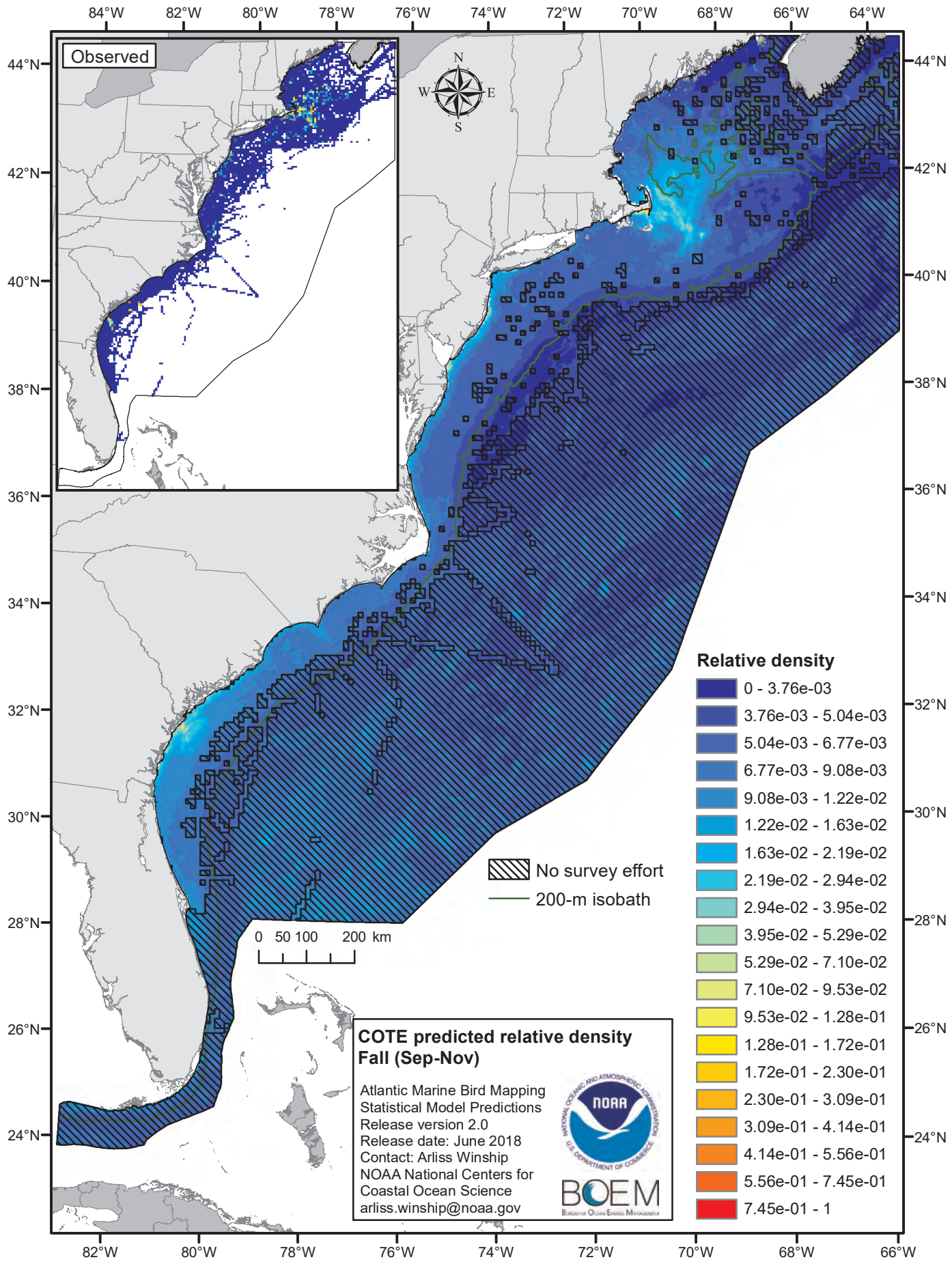
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.76e-03
3.76e-03 - 5.04e-03
5.04e-03 - 6.77e-03
6.77e-03 - 9.08e-03
9.08e-03 - 1.22e-02
1.22e-02 - 1.63e-02
1.63e-02 - 2.19e-02
2.19e-02 - 2.94e-02
2.94e-02 - 3.95e-02
3.95e-02 - 5.29e-02
5.29e-02 - 7.10e-02
7.10e-02 - 9.53e-02
9.53e-02 - 1.28e-01
1.28e-01 - 1.72e-01
1.72e-01 - 2.30e-01
2.30e-01 - 3.09e-01
3.09e-01 - 4.14e-01
4.14e-01 - 5.56e-01
5.56e-01 - 7.45e-01
7.45e-01 - 1
COTE predicted relative density
Fall (Sep-Nov)
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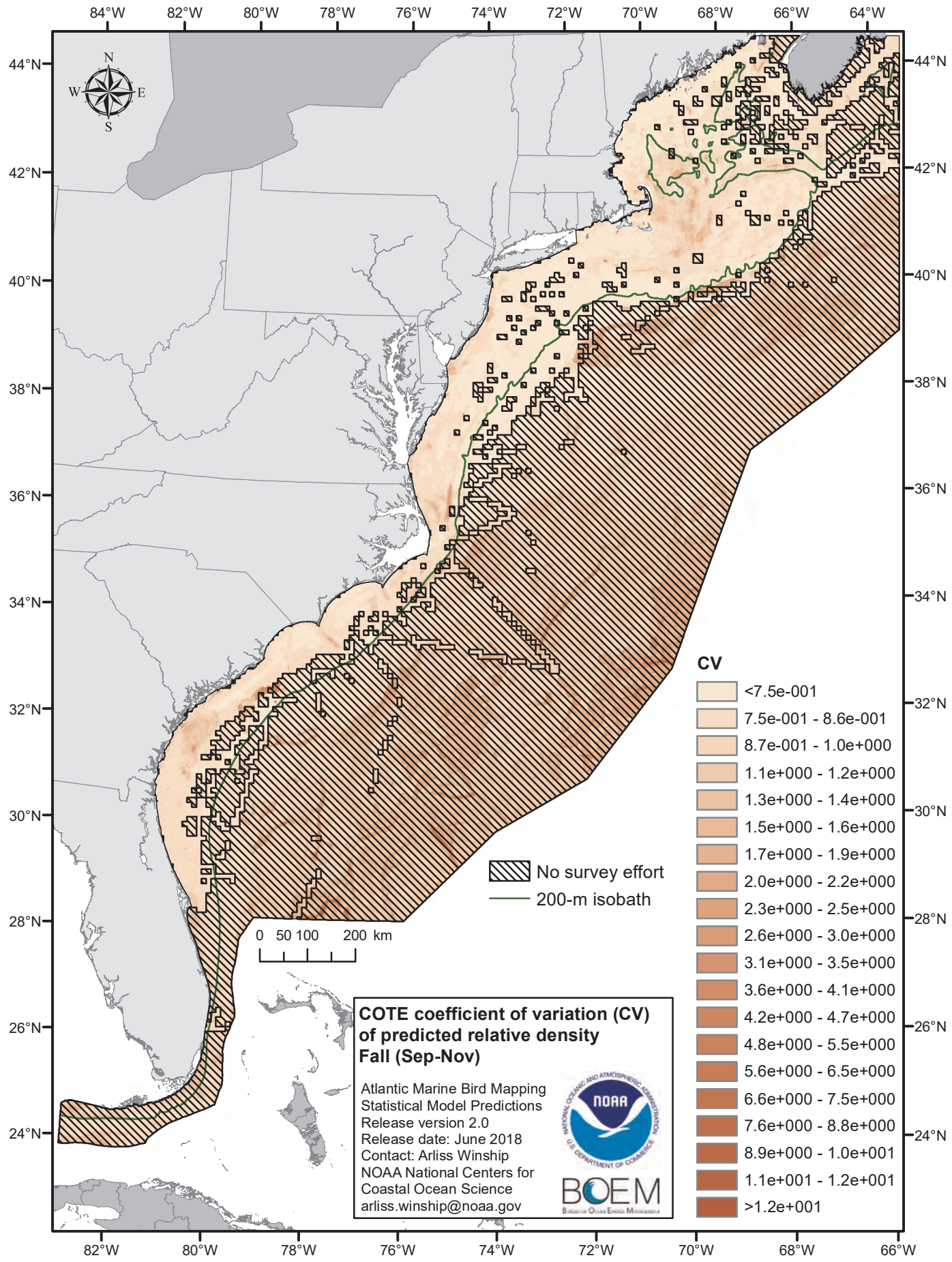
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<7.5e-001
7.5e-001 - 8.6e-001
8.7e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.5e+000
3.6e+000 - 4.1e+000
4.2e+000 - 4.7e+000
4.8e+000 - 5.5e+000
5.6e+000 - 6.5e+000
6.6e+000 - 7.5e+000
7.6e+000 - 8.8e+000
8.9e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
COTE coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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Contact: Arliss Winship
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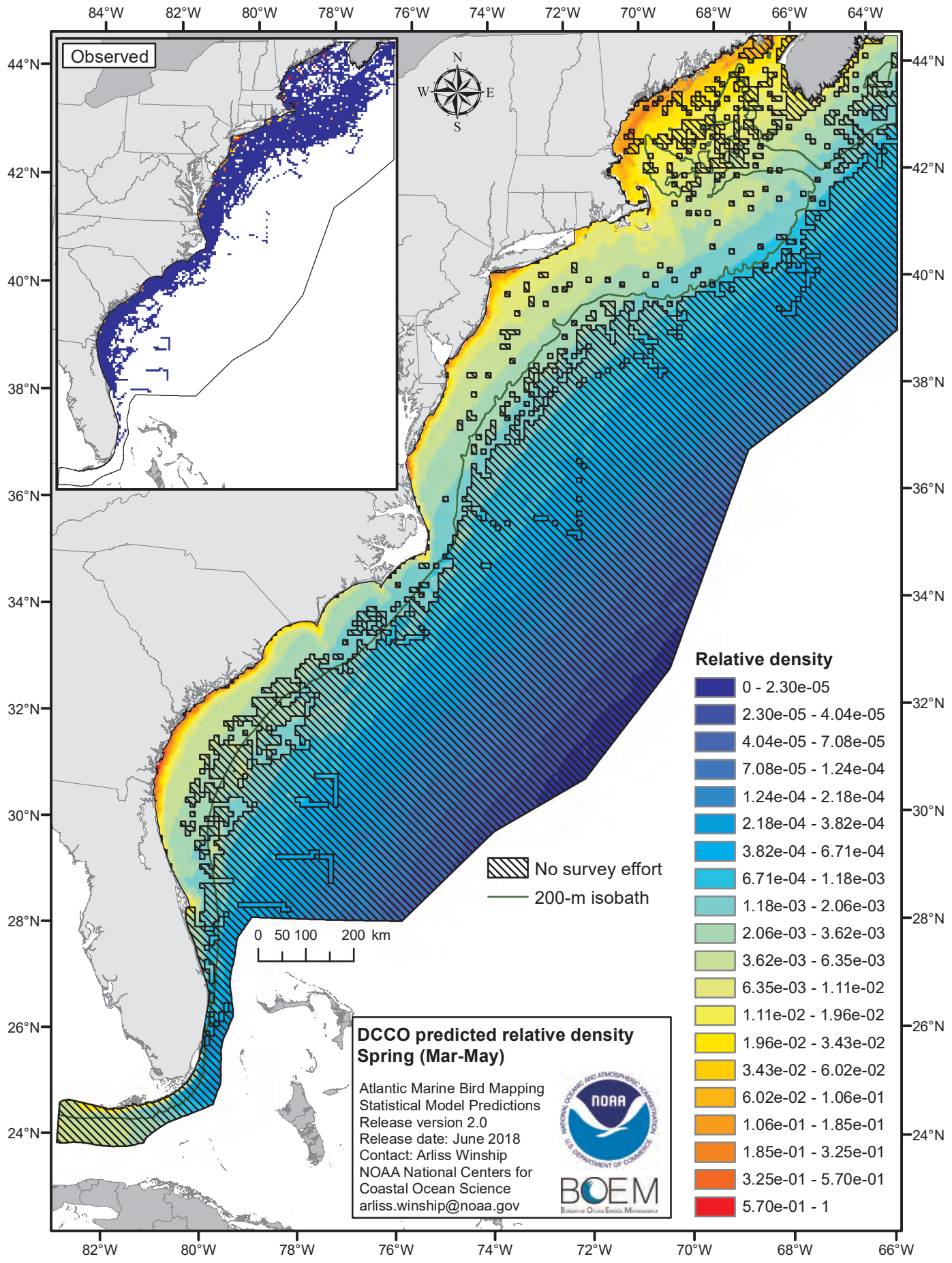
BOEM


Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.30e-05
2.30e-05 - 4.04e-05
4.04e-05 - 7.08e-05
7.08e-05 - 1.24e-04
1.24e-04 - 2.18e-04
2.18e-04 - 3.82e-04
3.82e-04 - 6.71e-04
6.71e-04 - 1.18e-03
1.18e-03 - 2.06e-03
2.06e-03 - 3.62e-03
3.62e-03 - 6.35e-03
6.35e-03 - 1.11e-02
1.11e-02 - 1.96e-02
1.96e-02 - 3.43e-02
3.43e-02 - 6.02e-02
6.02e-02 - 1.06e-01
1.06e-01 - 1.85e-01
1.85e-01 - 3.25e-01
3.25e-01 - 5.70e-01
5.70e-01 - 1
DCCO predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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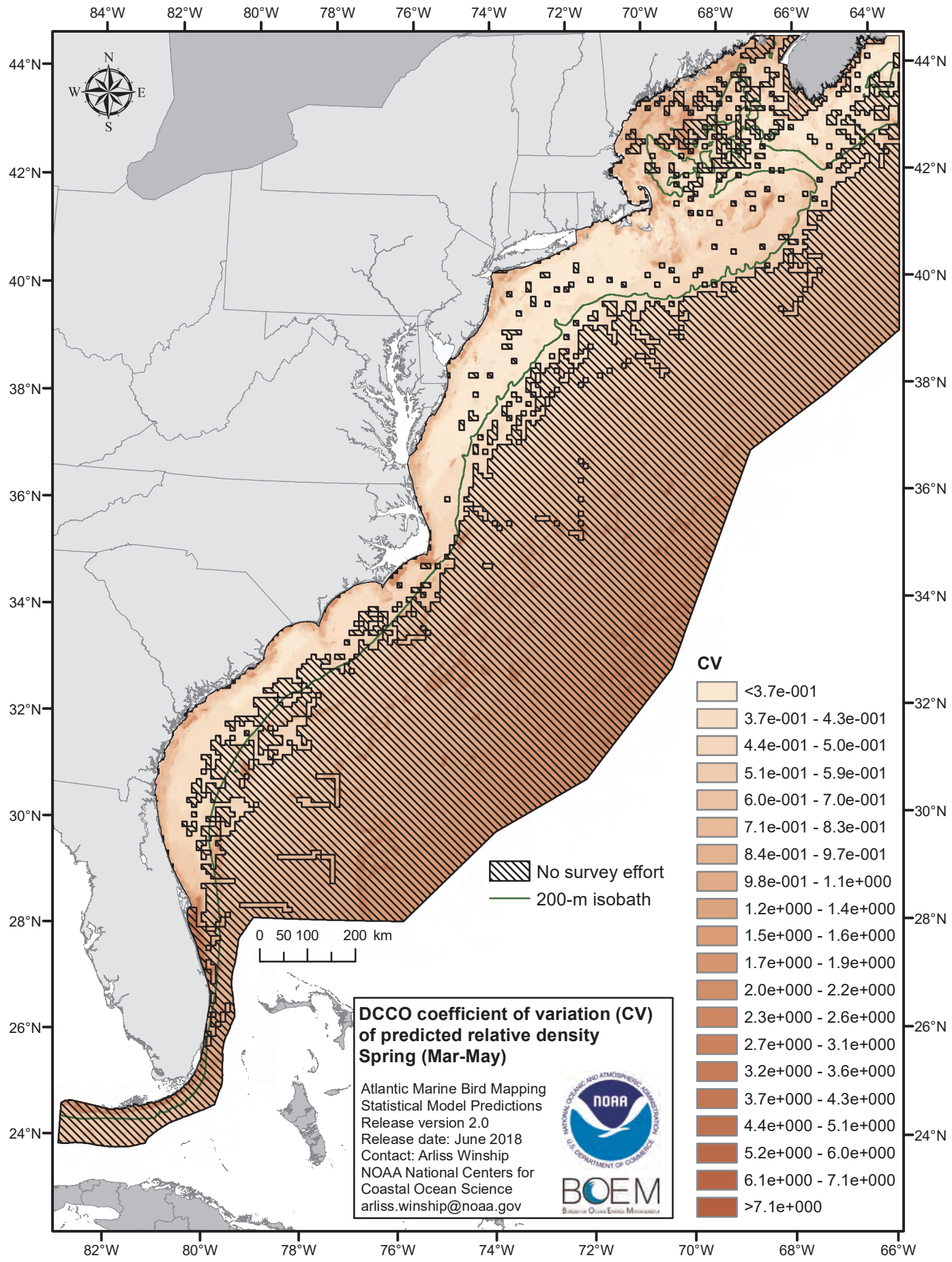
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.7e-001
3.7e-001 - 4.3e-001
4.4e-001 - 5.0e-001
5.1e-001 - 5.9e-001
6.0e-001 - 7.0e-001
7.1e-001 - 8.3e-001
8.4e-001 - 9.7e-001
9.8e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.6e+000
2.7e+000 - 3.1e+000
3.2e+000 - 3.6e+000
3.7e+000 - 4.3e+000
4.4e+000 - 5.1e+000
5.2e+000 - 6.0e+000
6.1e+000 - 7.1e+000
>7.1e+000
DCCO coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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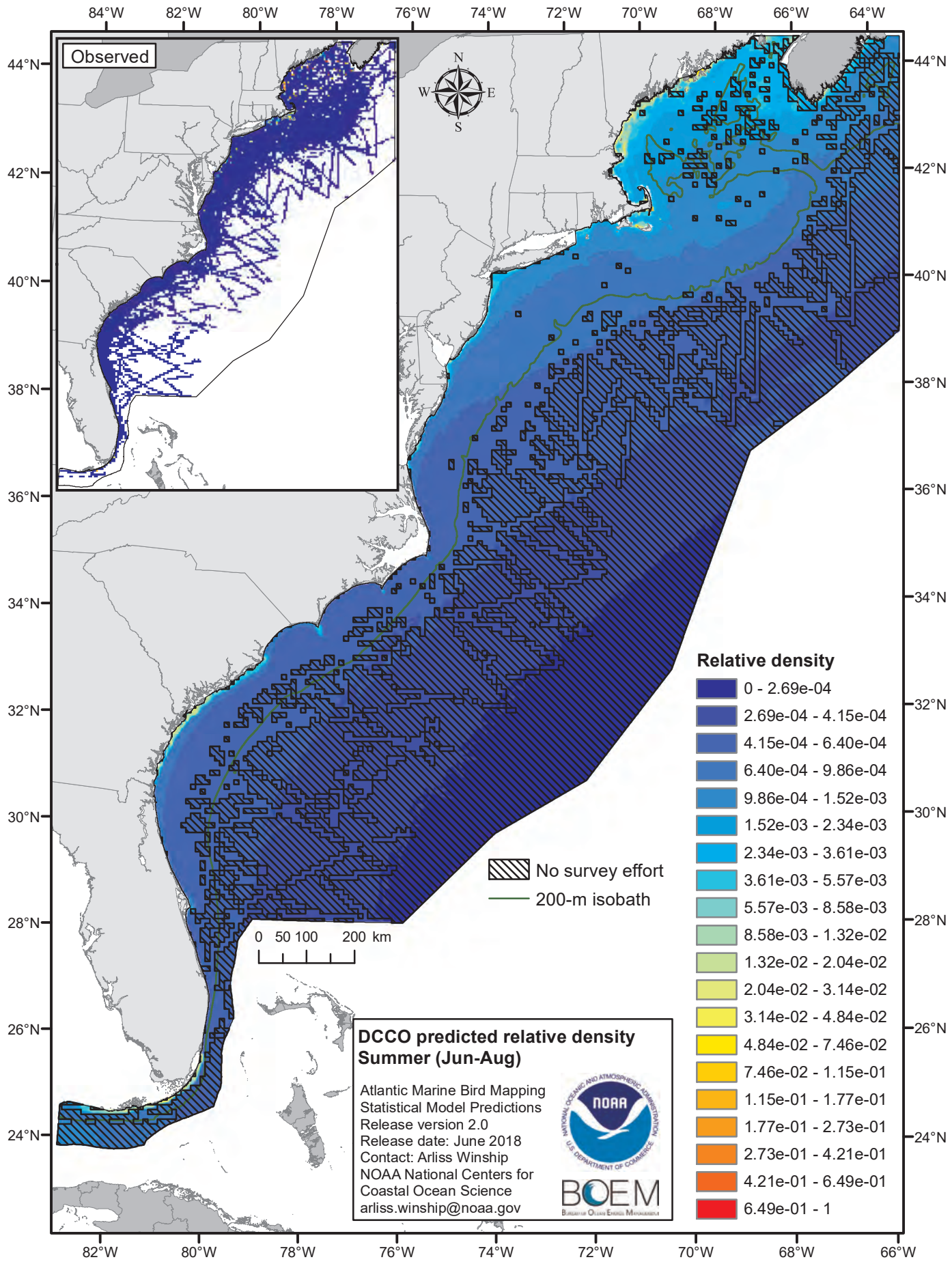
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.69e-04
2.69e-04 - 4.15e-04
4.15e-04 - 6.40e-04
6.40e-04 - 9.86e-04
9.86e-04 - 1.52e-03
1.52e-03 - 2.34e-03
2.34e-03 - 3.61e-03
3.61e-03 - 5.57e-03
5.57e-03 - 8.58e-03
8.58e-03 - 1.32e-02
1.32e-02 - 2.04e-02
2.04e-02 - 3.14e-02
3.14e-02 - 4.84e-02
4.84e-02 - 7.46e-02
7.46e-02 - 1.15e-01
1.15e-01 - 1.77e-01
1.77e-01 - 2.73e-01
2.73e-01 - 4.21e-01
4.21e-01 - 6.49e-01
6.49e-01 - 1
DCCO predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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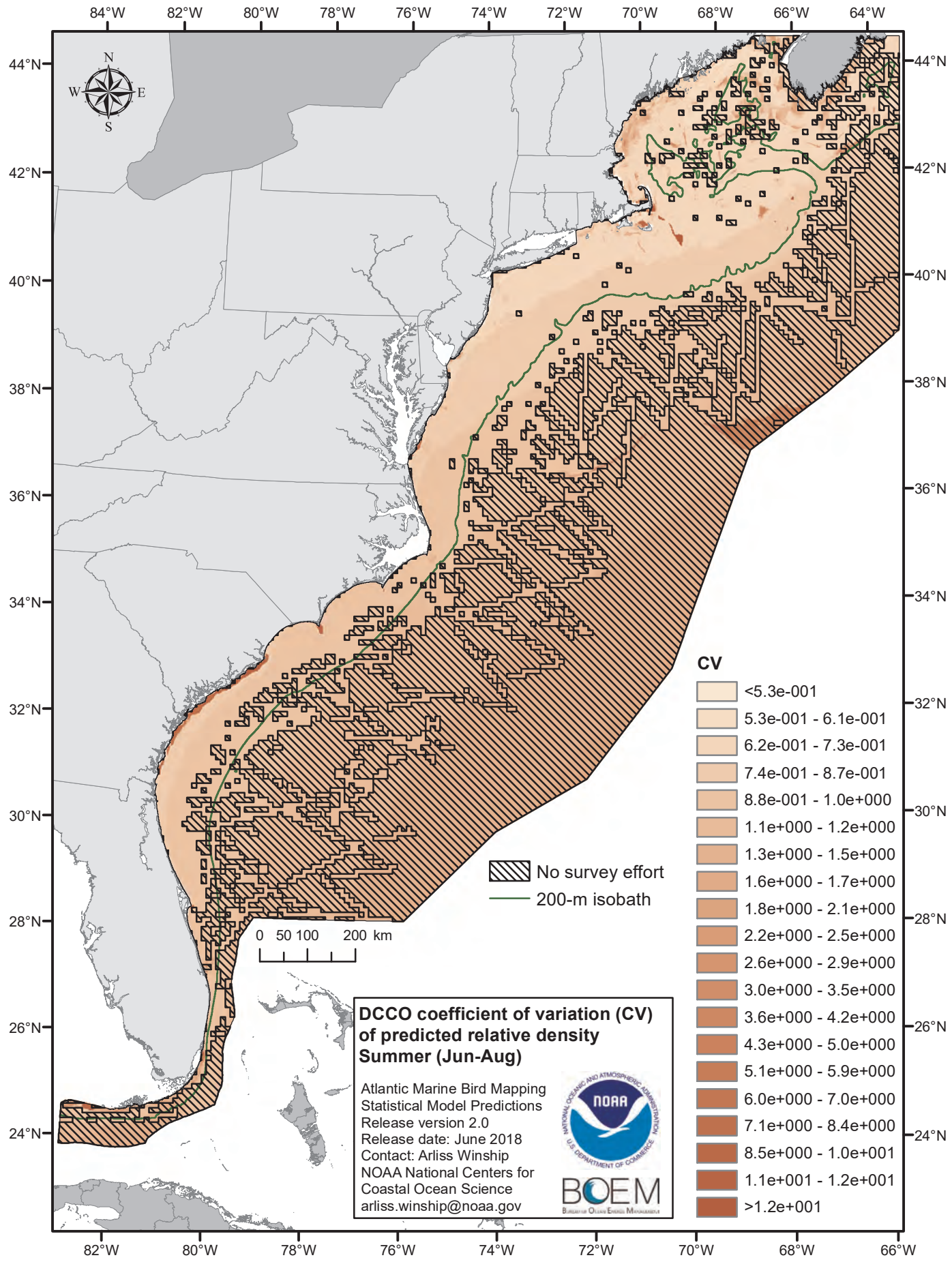
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.3e-001
5.3e-001 - 6.1e-001
6.2e-001 - 7.3e-001
7.4e-001 - 8.7e-001
8.8e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.2e+000
4.3e+000 - 5.0e+000
5.1e+000 - 5.9e+000
6.0e+000 - 7.0e+000
7.1e+000 - 8.4e+000
8.5e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
DCCO coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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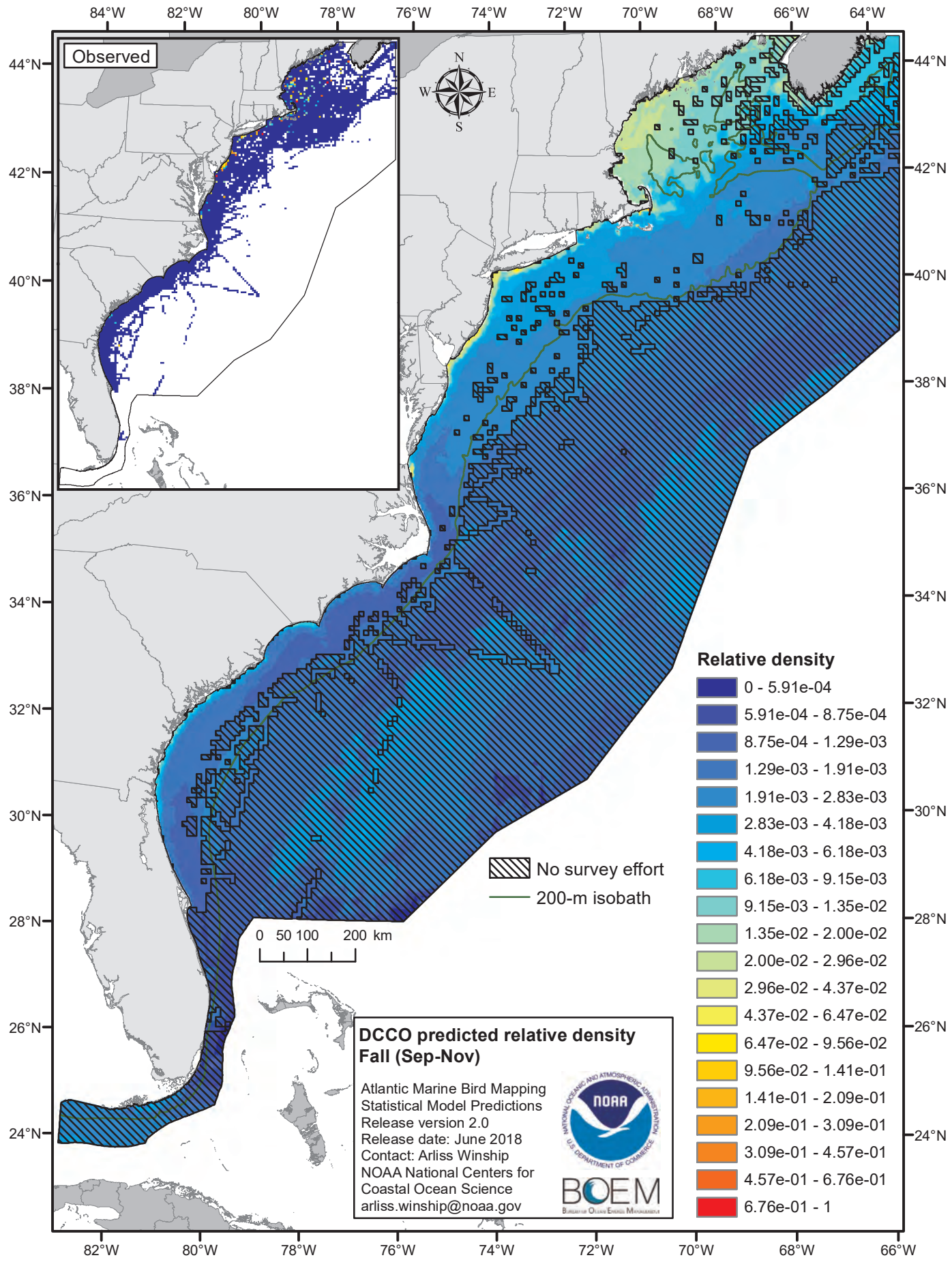
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 5.91e-04
5.91e-04 - 8.75e-04
8.75e-04 - 1.29e-03
1.29e-03 - 1.91e-03
1.91e-03 - 2.83e-03
2.83e-03 - 4.18e-03
4.18e-03 - 6.18e-03
6.18e-03 - 9.15e-03
9.15e-03 - 1.35e-02
1.35e-02 - 2.00e-02
2.00e-02 - 2.96e-02
2.96e-02 - 4.37e-02
4.37e-02 - 6.47e-02
6.47e-02 - 9.56e-02
9.56e-02 - 1.41e-01
1.41e-01 - 2.09e-01
2.09e-01 - 3.09e-01
3.09e-01 - 4.57e-01
4.57e-01 - 6.76e-01
6.76e-01 - 1
DCCO predicted relative density
Fall (Sep-Nov)
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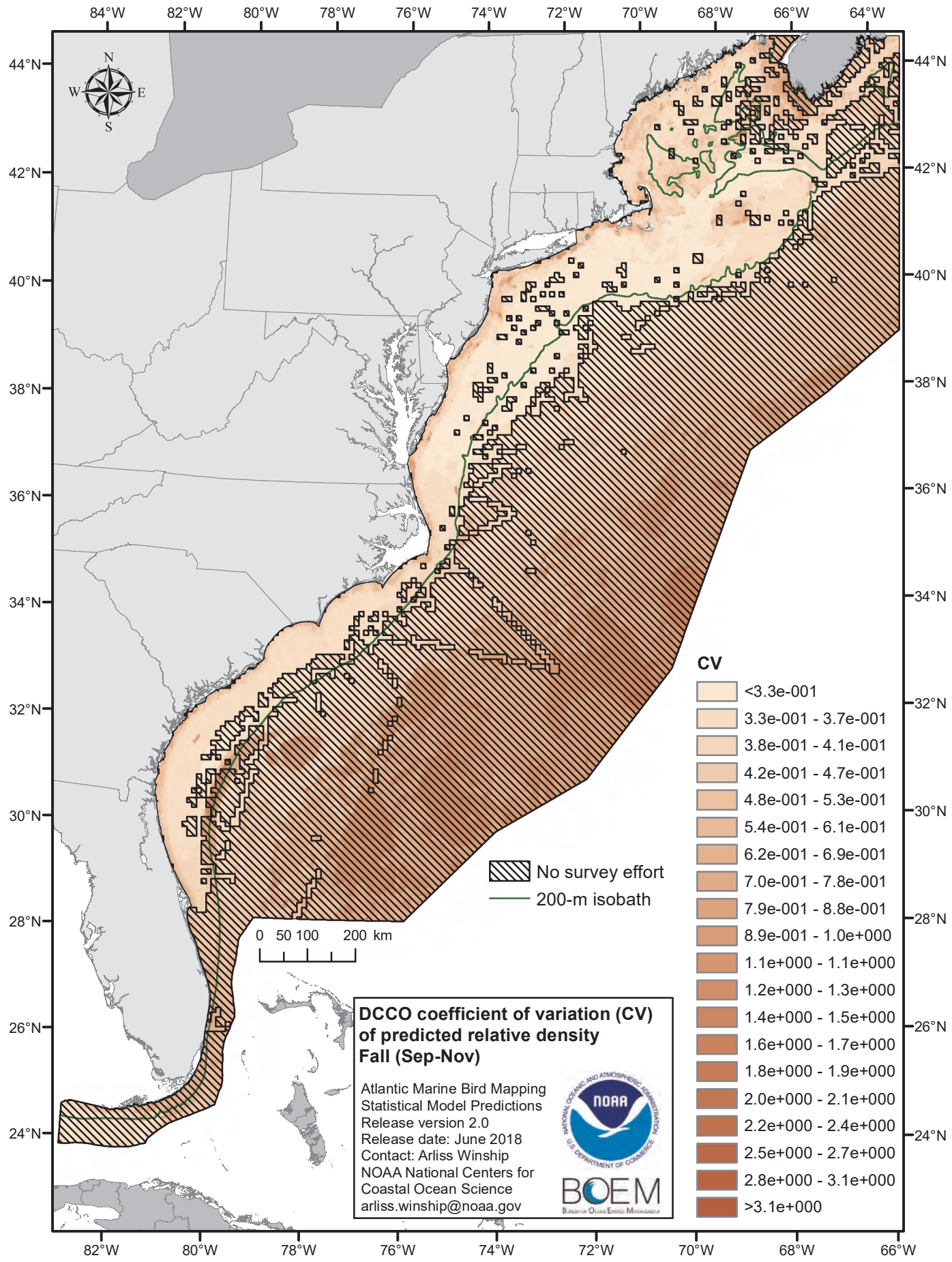
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.3e-001
3.3e-001 - 3.7e-001
3.8e-001 - 4.1e-001
4.2e-001 - 4.7e-001
4.8e-001 - 5.3e-001
5.4e-001 - 6.1e-001
6.2e-001 - 6.9e-001
7.0e-001 - 7.8e-001
7.9e-001 - 8.8e-001
8.9e-001 - 1.0e+000
1.1e+000 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 1.9e+000
2.0e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.7e+000
2.8e+000 - 3.1e+000
>3.1e+000
DCCO coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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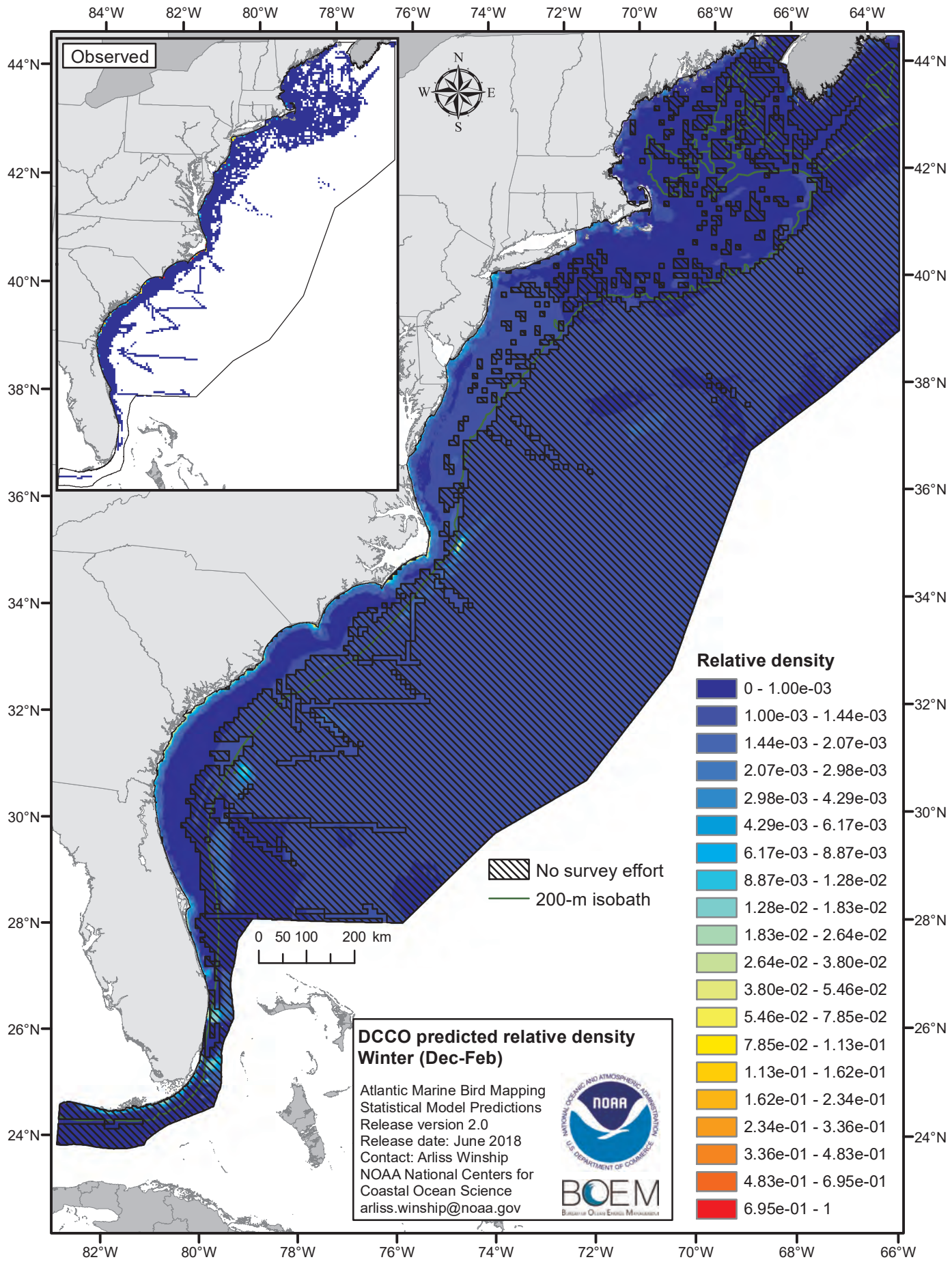
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.00e-03
1.00e-03 - 1.44e-03
1.44e-03 - 2.07e-03
2.07e-03 - 2.98e-03
2.98e-03 - 4.29e-03
4.29e-03 - 6.17e-03
6.17e-03 - 8.87e-03
8.87e-03 - 1.28e-02
1.28e-02 - 1.83e-02
1.83e-02 - 2.64e-02
2.64e-02 - 3.80e-02
3.80e-02 - 5.46e-02
5.46e-02 - 7.85e-02
7.85e-02 - 1.13e-01
1.13e-01 - 1.62e-01
1.62e-01 - 2.34e-01
2.34e-01 - 3.36e-01
3.36e-01 - 4.83e-01
4.83e-01 - 6.95e-01
6.95e-01 - 1
DCCO predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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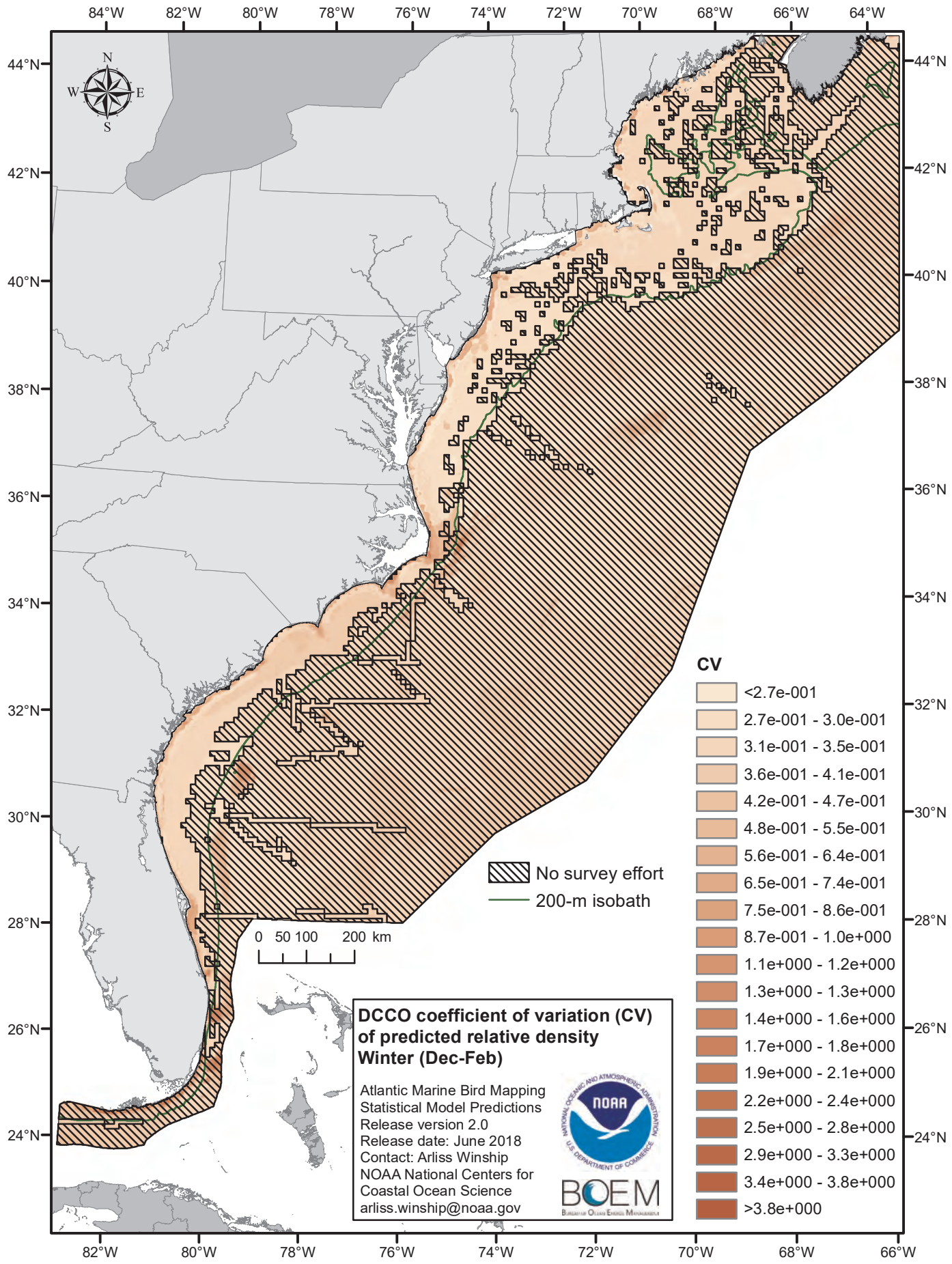
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.7e-001
2.7e-001 - 3.0e-001
3.1e-001 - 3.5e-001
3.6e-001 - 4.1e-001
4.2e-001 - 4.7e-001
4.8e-001 - 5.5e-001
5.6e-001 - 6.4e-001
6.5e-001 - 7.4e-001
7.5e-001 - 8.6e-001
8.7e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.3e+000
3.4e+000 - 3.8e+000
>3.8e+000
DCCO coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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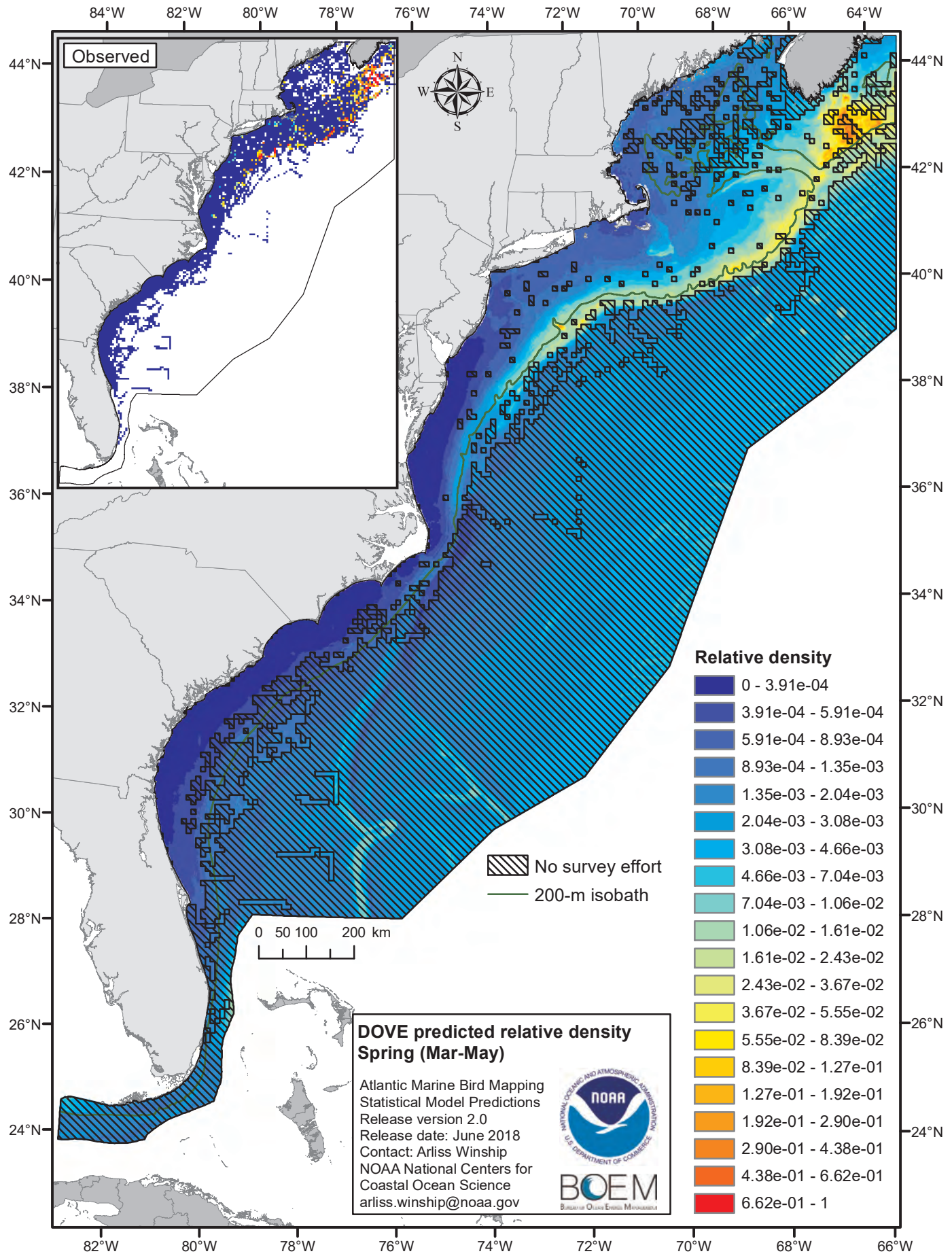
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.91e-04
3.91e-04 - 5.91e-04
5.91e-04 - 8.93e-04
8.93e-04 - 1.35e-03
1.35e-03 - 2.04e-03
2.04e-03 - 3.08e-03
3.08e-03 - 4.66e-03
4.66e-03 - 7.04e-03
7.04e-03 - 1.06e-02
1.06e-02 - 1.61e-02
1.61e-02 - 2.43e-02
2.43e-02 - 3.67e-02
3.67e-02 - 5.55e-02
5.55e-02 - 8.39e-02
8.39e-02 - 1.27e-01
1.27e-01 - 1.92e-01
1.92e-01 - 2.90e-01
2.90e-01 - 4.38e-01
4.38e-01 - 6.62e-01
6.62e-01 - 1
DOVE predicted relative density
Spring (Mar-May)
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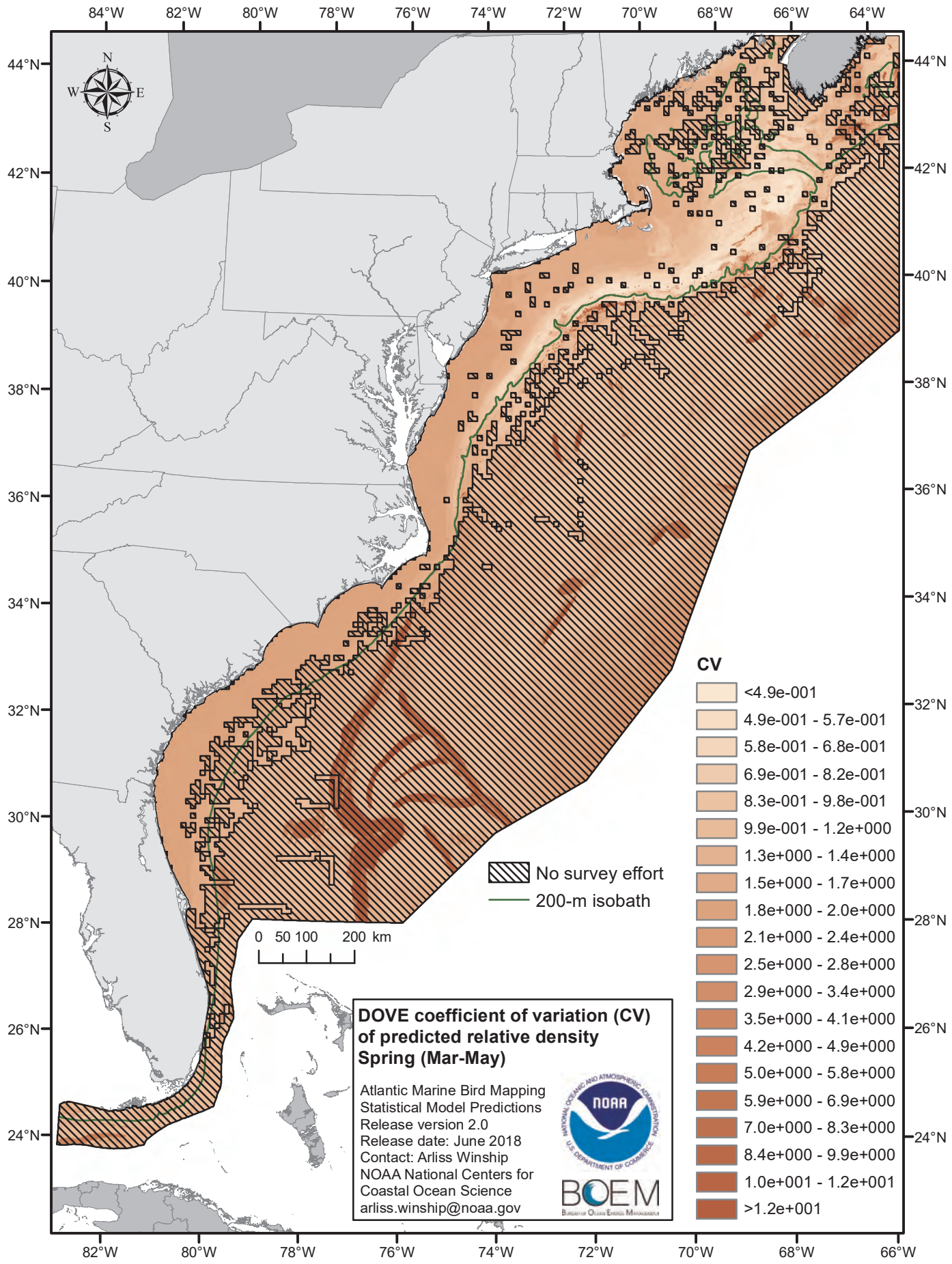
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<4.9e-001
4.9e-001 - 5.7e-001
5.8e-001 - 6.8e-001
6.9e-001 - 8.2e-001
8.3e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.1e+000
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7.0e+000 - 8.3e+000
8.4e+000 - 9.9e+000
1.0e+001 - 1.2e+001
>1.2e+001
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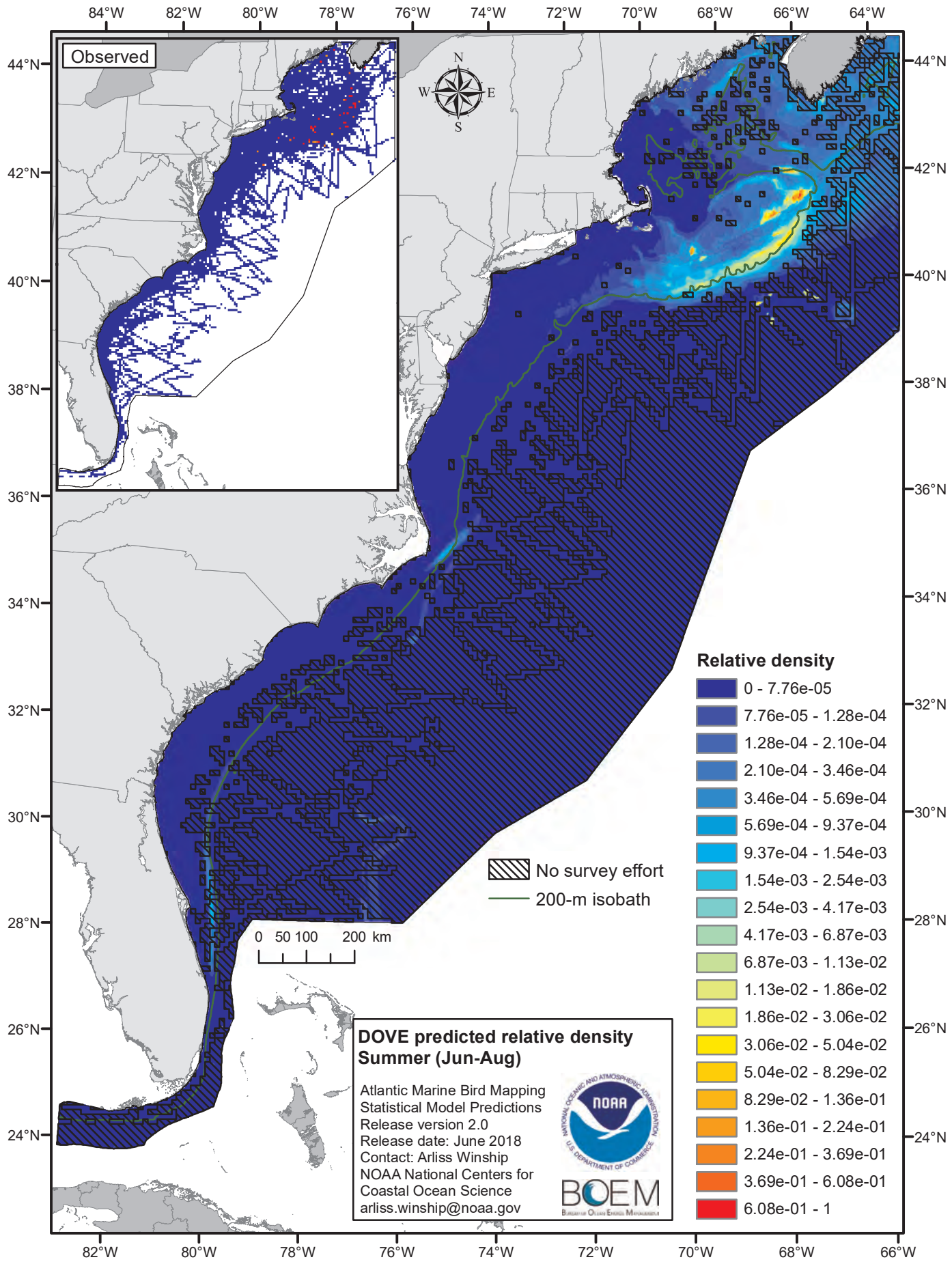
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 7.76e-05
7.76e-05 - 1.28e-04
1.28e-04 - 2.10e-04
2.10e-04 - 3.46e-04
3.46e-04 - 5.69e-04
5.69e-04 - 9.37e-04
9.37e-04 - 1.54e-03
1.54e-03 - 2.54e-03
2.54e-03 - 4.17e-03
4.17e-03 - 6.87e-03
6.87e-03 - 1.13e-02
1.13e-02 - 1.86e-02
1.86e-02 - 3.06e-02
3.06e-02 - 5.04e-02
5.04e-02 - 8.29e-02
8.29e-02 - 1.36e-01
1.36e-01 - 2.24e-01
2.24e-01 - 3.69e-01
3.69e-01 - 6.08e-01
6.08e-01 - 1
DOVE predicted relative density
Summer (Jun-Aug)
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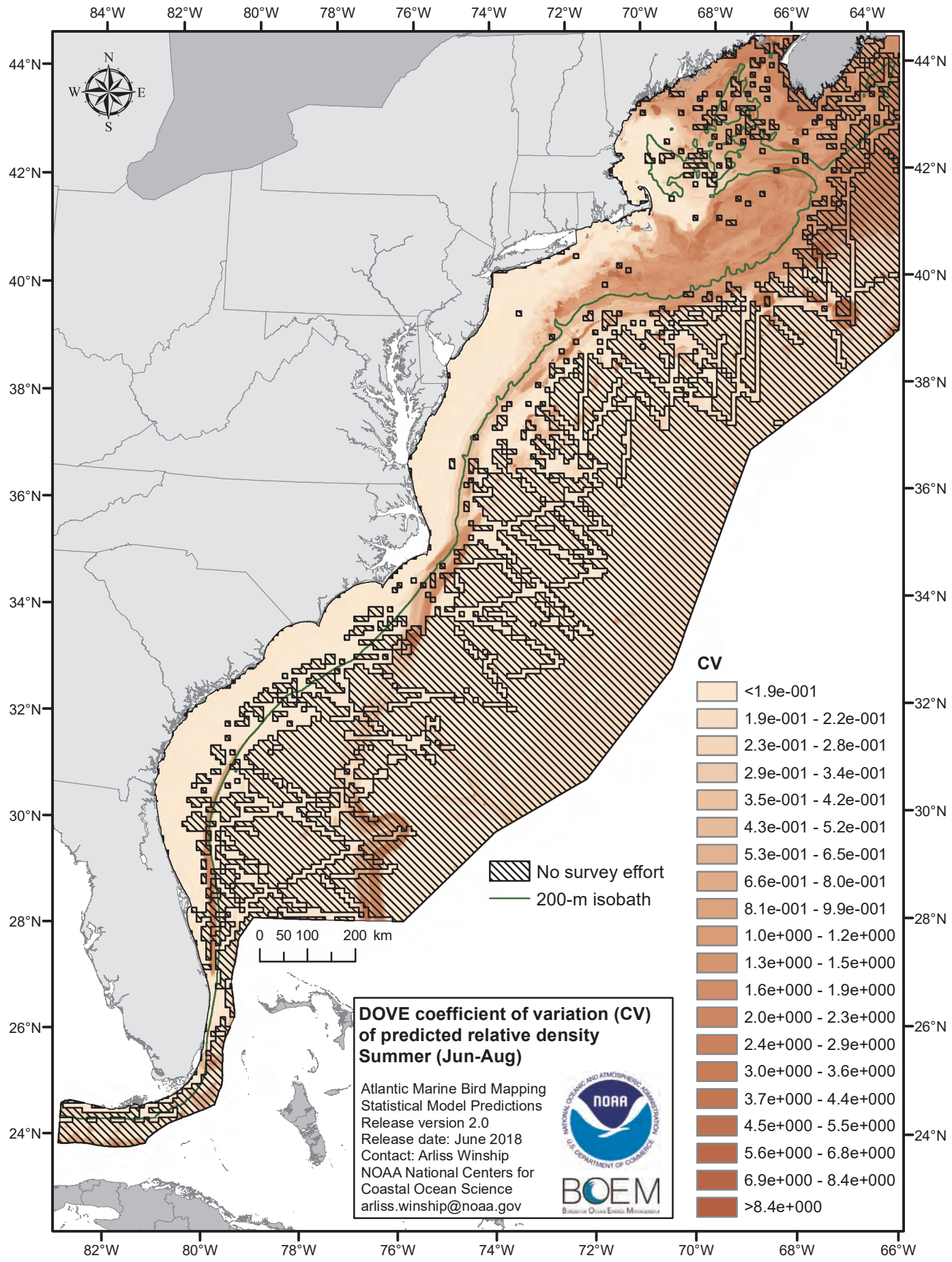
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<1.9e-001
1.9e-001 - 2.2e-001
2.3e-001 - 2.8e-001
2.9e-001 - 3.4e-001
3.5e-001 - 4.2e-001
4.3e-001 - 5.2e-001
5.3e-001 - 6.5e-001
6.6e-001 - 8.0e-001
8.1e-001 - 9.9e-001
1.0e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.9e+000
3.0e+000 - 3.6e+000
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4.5e+000 - 5.5e+000
5.6e+000 - 6.8e+000
6.9e+000 - 8.4e+000
>8.4e+000
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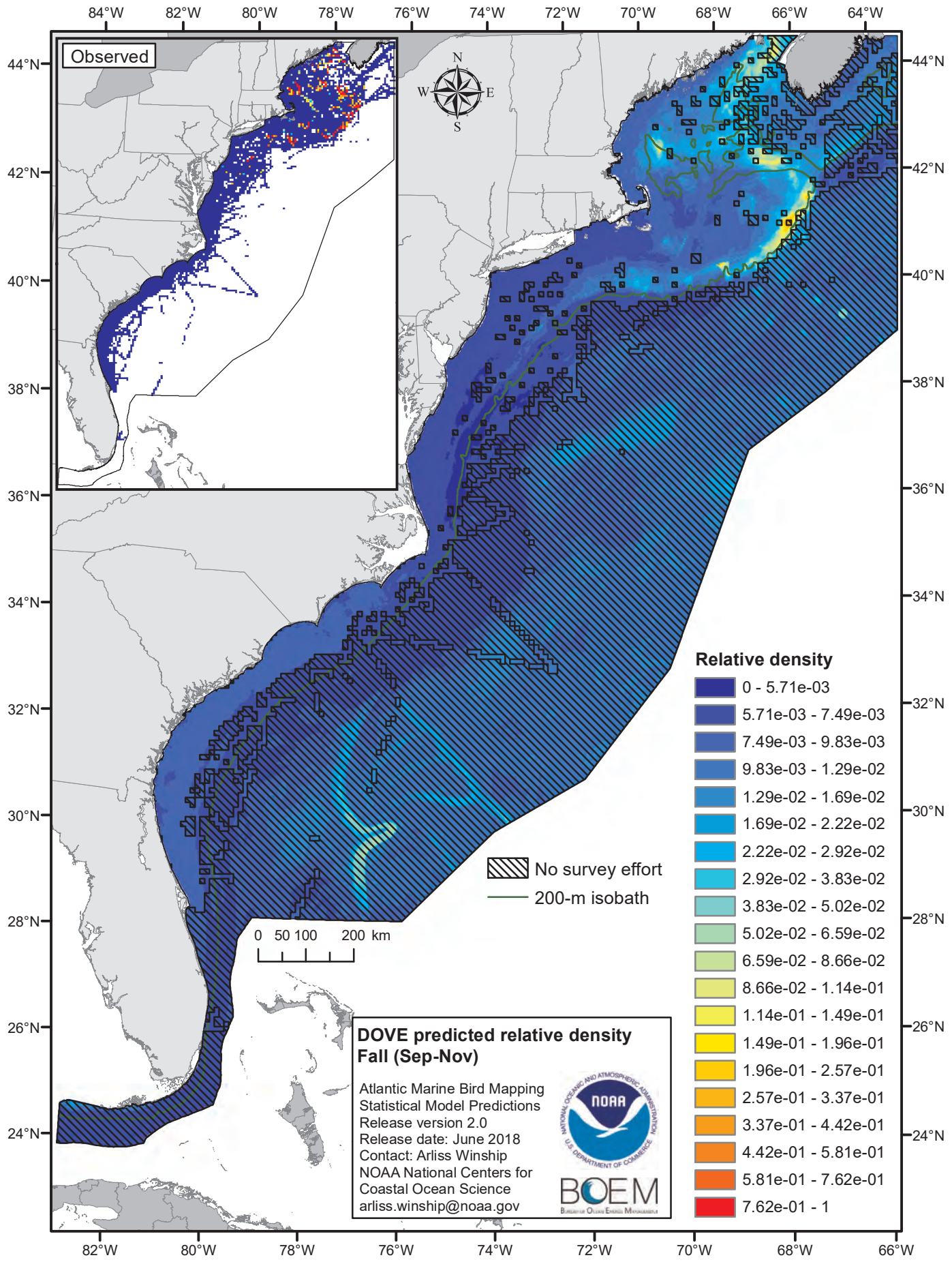
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.71e-03
5.71e-03 - 7.49e-03
7.49e-03 - 9.83e-03
9.83e-03 - 1.29e-02
1.29e-02 - 1.69e-02
1.69e-02 - 2.22e-02
2.22e-02 - 2.92e-02
2.92e-02 - 3.83e-02
3.83e-02 - 5.02e-02
5.02e-02 - 6.59e-02
6.59e-02 - 8.66e-02
8.66e-02 - 1.14e-01
1.14e-01 - 1.49e-01
1.49e-01 - 1.96e-01
1.96e-01 - 2.57e-01
2.57e-01 - 3.37e-01
3.37e-01 - 4.42e-01
4.42e-01 - 5.81e-01
5.81e-01 - 7.62e-01
7.62e-01 - 1
DOVE predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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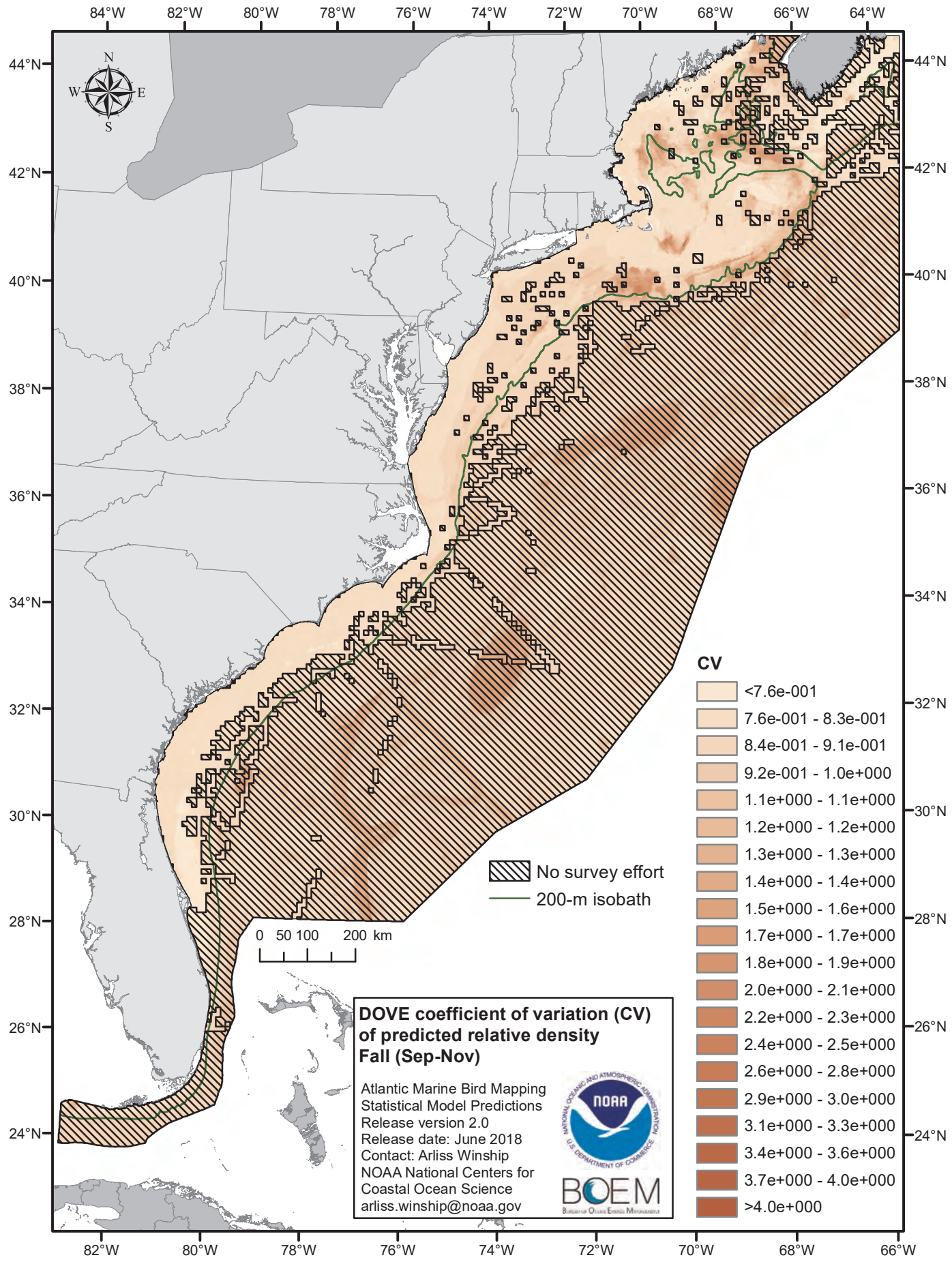
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<7.6e-001
7.6e-001 - 8.3e-001
8.4e-001 - 9.1e-001
9.2e-001 - 1.0e+000
1.1e+000 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.7e+000
1.8e+000 - 1.9e+000
2.0e+000 - 2.1e+000
2.2e+000 - 2.3e+000
2.4e+000 - 2.5e+000
2.6e+000 - 2.8e+000
2.9e+000 - 3.0e+000
3.1e+000 - 3.3e+000
3.4e+000 - 3.6e+000
3.7e+000 - 4.0e+000
>4.0e+000
DOVE coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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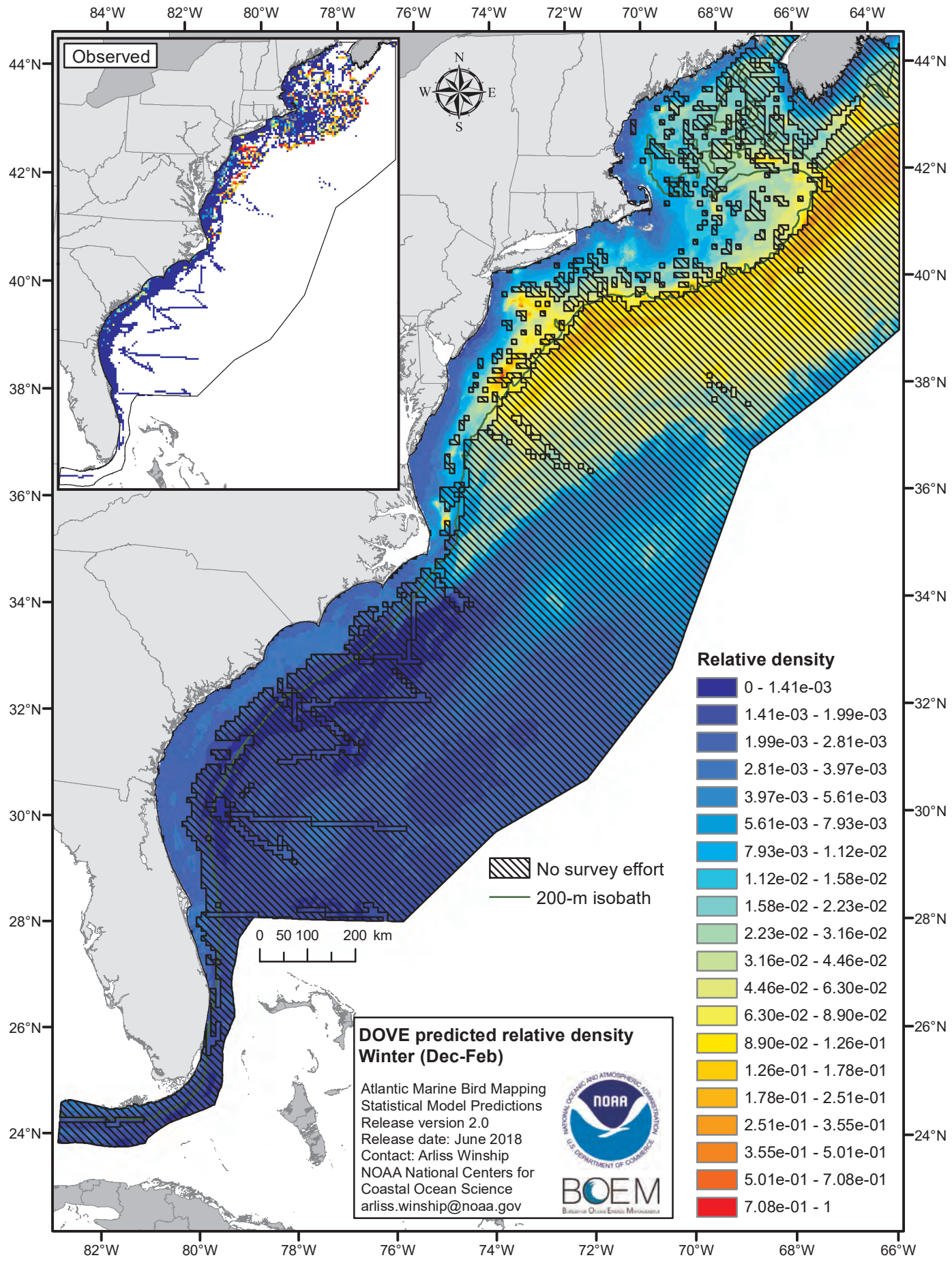
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.41e-03
1.41e-03 - 1.99e-03
1.99e-03 - 2.81e-03
2.81e-03 - 3.97e-03
3.97e-03 - 5.61e-03
5.61e-03 - 7.93e-03
7.93e-03 - 1.12e-02
1.12e-02 - 1.58e-02
1.58e-02 - 2.23e-02
2.23e-02 - 3.16e-02
3.16e-02 - 4.46e-02
4.46e-02 - 6.30e-02
6.30e-02 - 8.90e-02
8.90e-02 - 1.26e-01
1.26e-01 - 1.78e-01
1.78e-01 - 2.51e-01
2.51e-01 - 3.55e-01
3.55e-01 - 5.01e-01
5.01e-01 - 7.08e-01
7.08e-01 - 1
DOVE predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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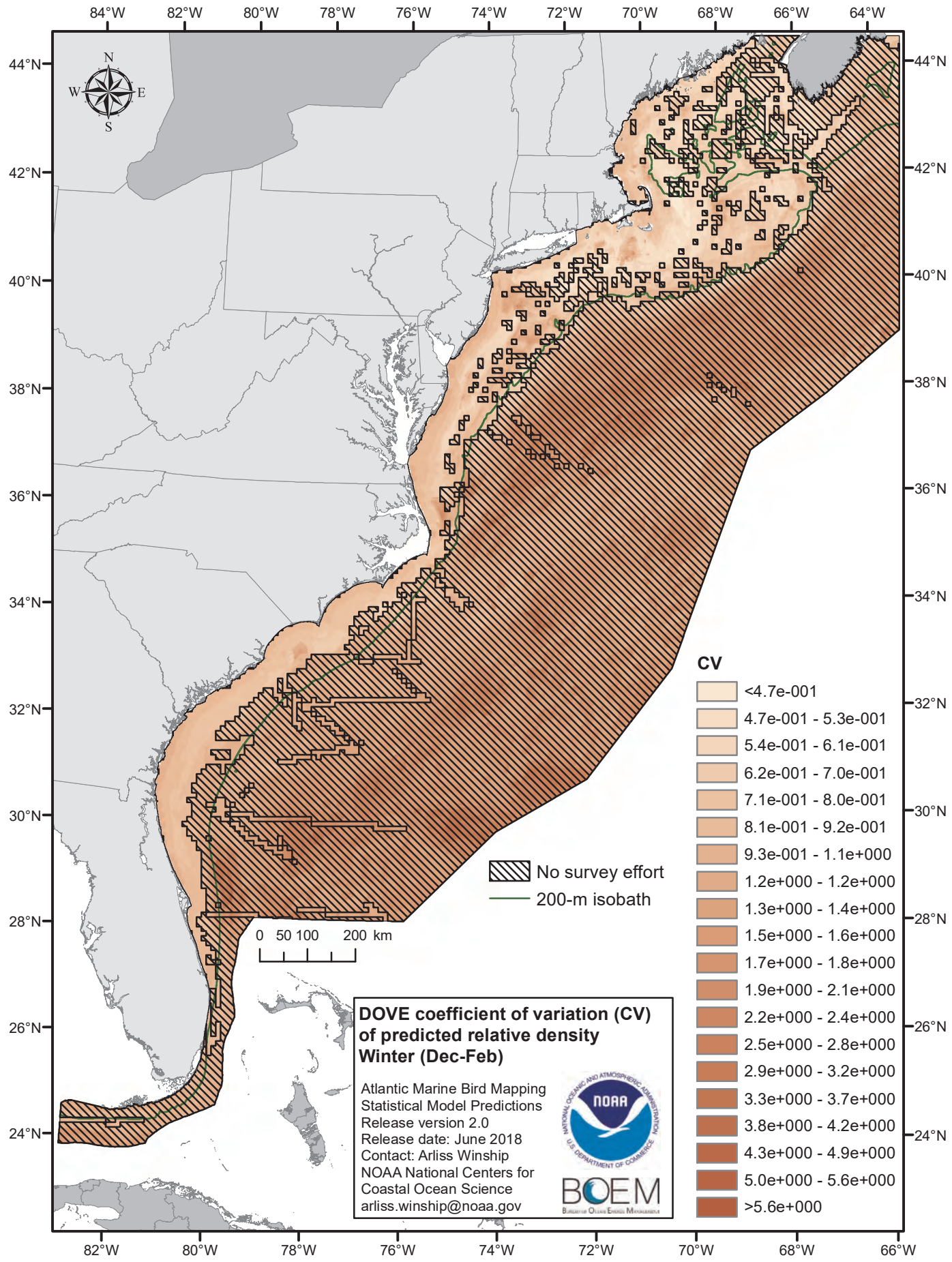
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<4.7e-001
4.7e-001 - 5.3e-001
5.4e-001 - 6.1e-001
6.2e-001 - 7.0e-001
7.1e-001 - 8.0e-001
8.1e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.2e+000
3.3e+000 - 3.7e+000
3.8e+000 - 4.2e+000
4.3e+000 - 4.9e+000
5.0e+000 - 5.6e+000
>5.6e+000
DOVE coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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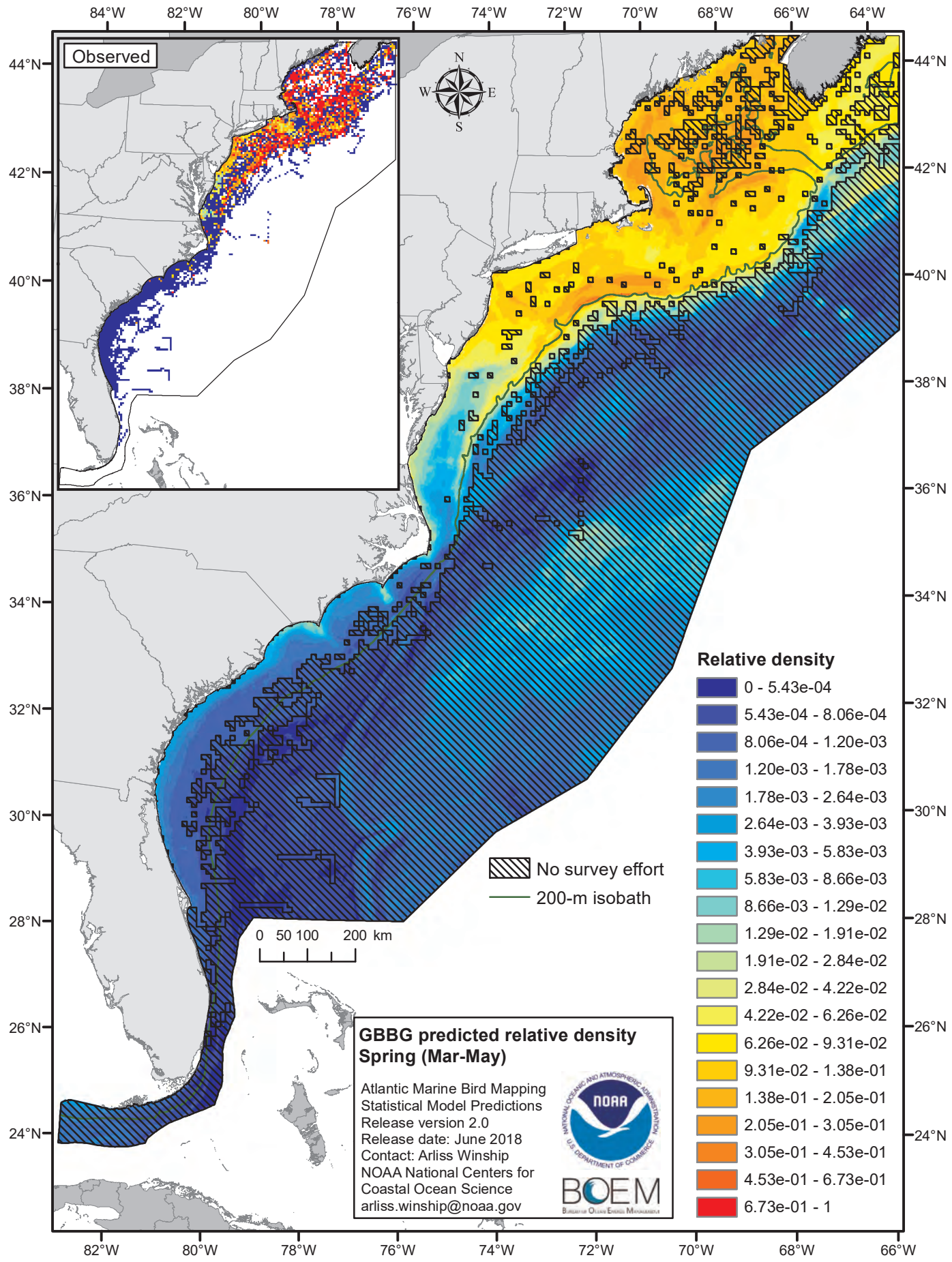
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.43e-04
5.43e-04 - 8.06e-04
8.06e-04 - 1.20e-03
1.20e-03 - 1.78e-03
1.78e-03 - 2.64e-03
2.64e-03 - 3.93e-03
3.93e-03 - 5.83e-03
5.83e-03 - 8.66e-03
8.66e-03 - 1.29e-02
1.29e-02 - 1.91e-02
1.91e-02 - 2.84e-02
2.84e-02 - 4.22e-02
4.22e-02 - 6.26e-02
6.26e-02 - 9.31e-02
9.31e-02 - 1.38e-01
1.38e-01 - 2.05e-01
2.05e-01 - 3.05e-01
3.05e-01 - 4.53e-01
4.53e-01 - 6.73e-01
6.73e-01 - 1
GBBG predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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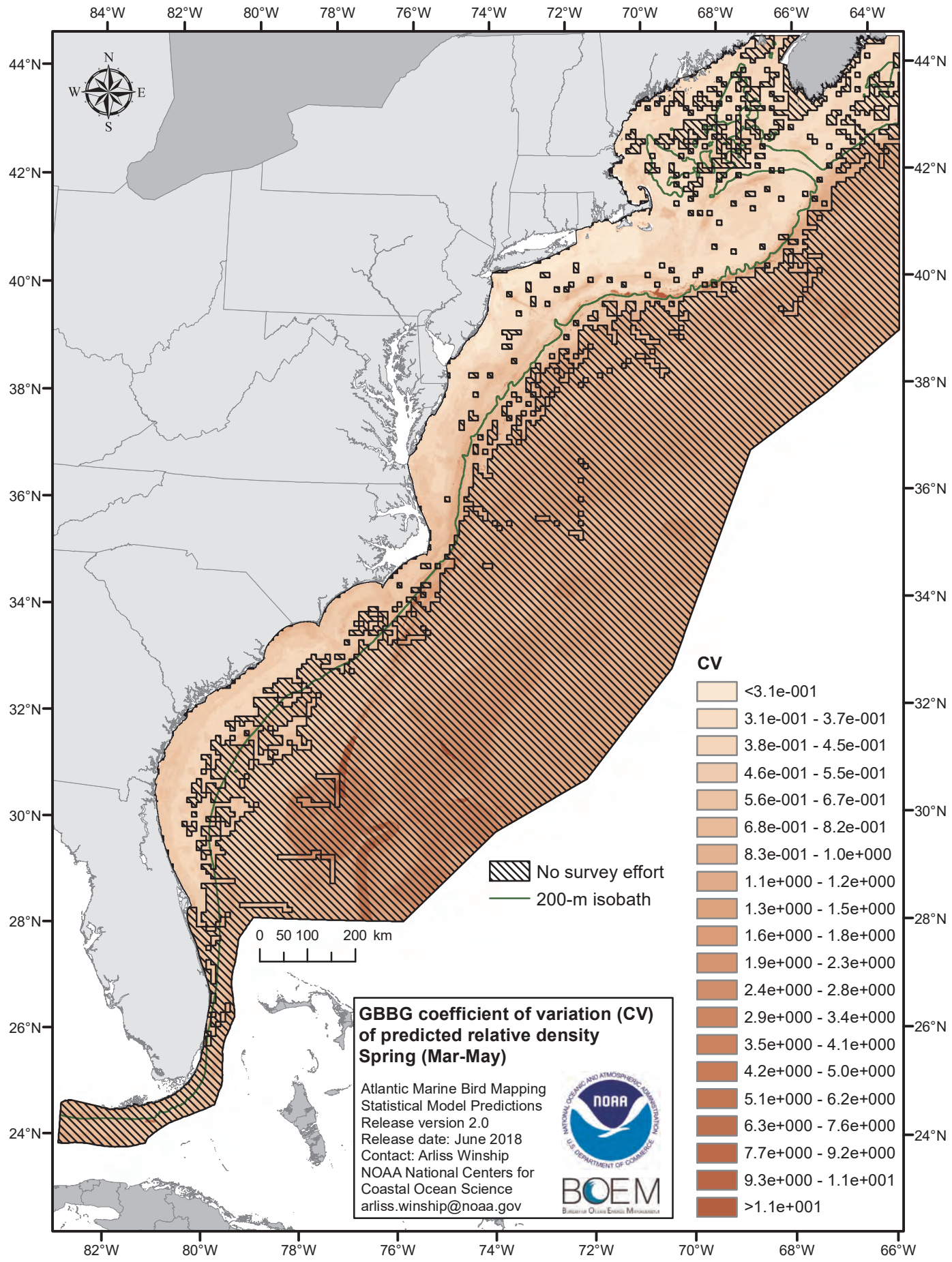
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.1e-001
3.1e-001 - 3.7e-001
3.8e-001 - 4.5e-001
4.6e-001 - 5.5e-001
5.6e-001 - 6.7e-001
6.8e-001 - 8.2e-001
8.3e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.1e+000
4.2e+000 - 5.0e+000
5.1e+000 - 6.2e+000
6.3e+000 - 7.6e+000
7.7e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
GBBG coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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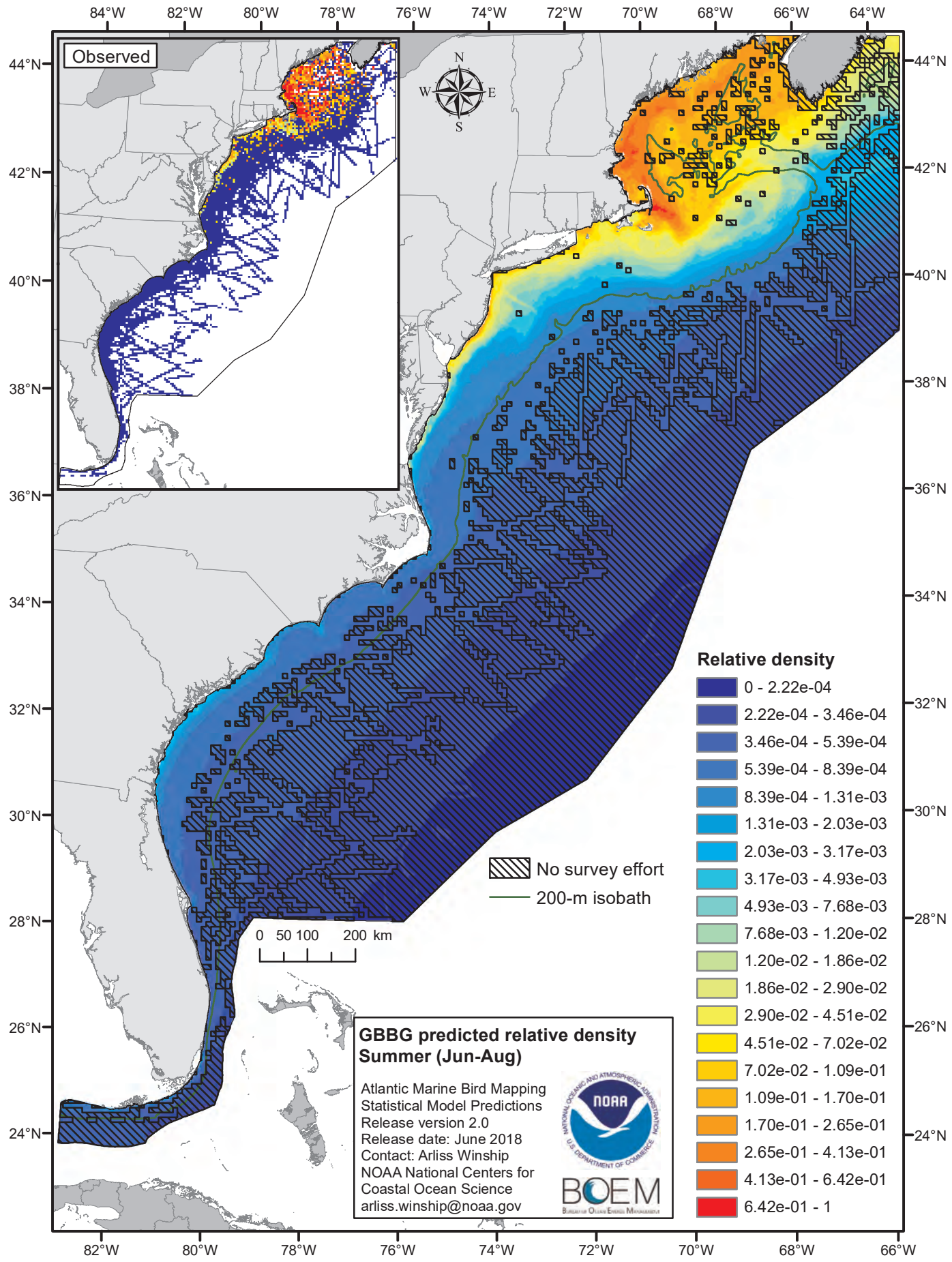
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.22e-04
2.22e-04 - 3.46e-04
3.46e-04 - 5.39e-04
5.39e-04 - 8.39e-04
8.39e-04 - 1.31e-03
1.31e-03 - 2.03e-03
2.03e-03 - 3.17e-03
3.17e-03 - 4.93e-03
4.93e-03 - 7.68e-03
7.68e-03 - 1.20e-02
1.20e-02 - 1.86e-02
1.86e-02 - 2.90e-02
2.90e-02 - 4.51e-02
4.51e-02 - 7.02e-02
7.02e-02 - 1.09e-01
1.09e-01 - 1.70e-01
1.70e-01 - 2.65e-01
2.65e-01 - 4.13e-01
4.13e-01 - 6.42e-01
6.42e-01 - 1
GBBG predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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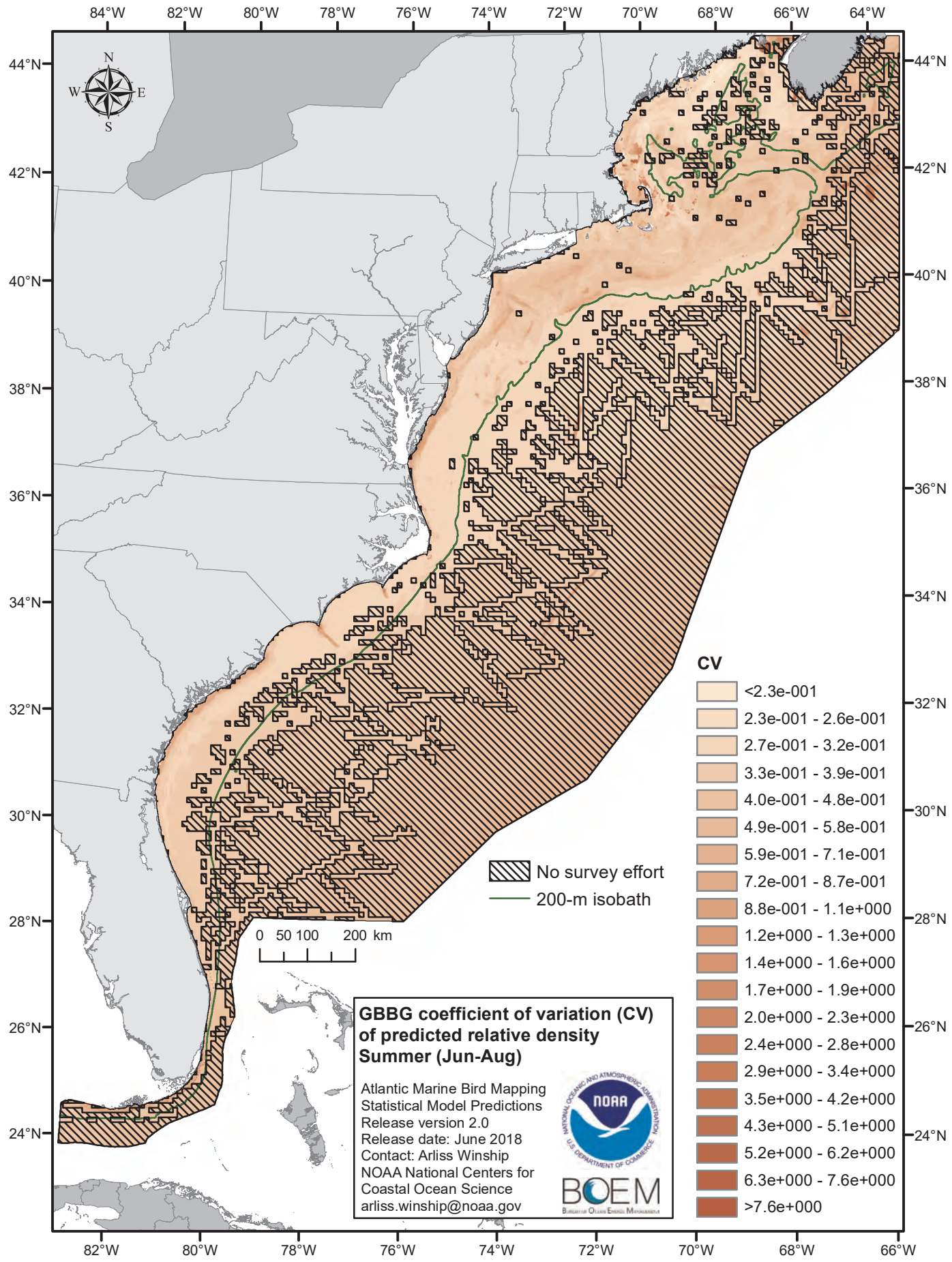
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.3e-001
2.3e-001 - 2.6e-001
2.7e-001 - 3.2e-001
3.3e-001 - 3.9e-001
4.0e-001 - 4.8e-001
4.9e-001 - 5.8e-001
5.9e-001 - 7.1e-001
7.2e-001 - 8.7e-001
8.8e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.2e+000
4.3e+000 - 5.1e+000
5.2e+000 - 6.2e+000
6.3e+000 - 7.6e+000
>7.6e+000
GBBG coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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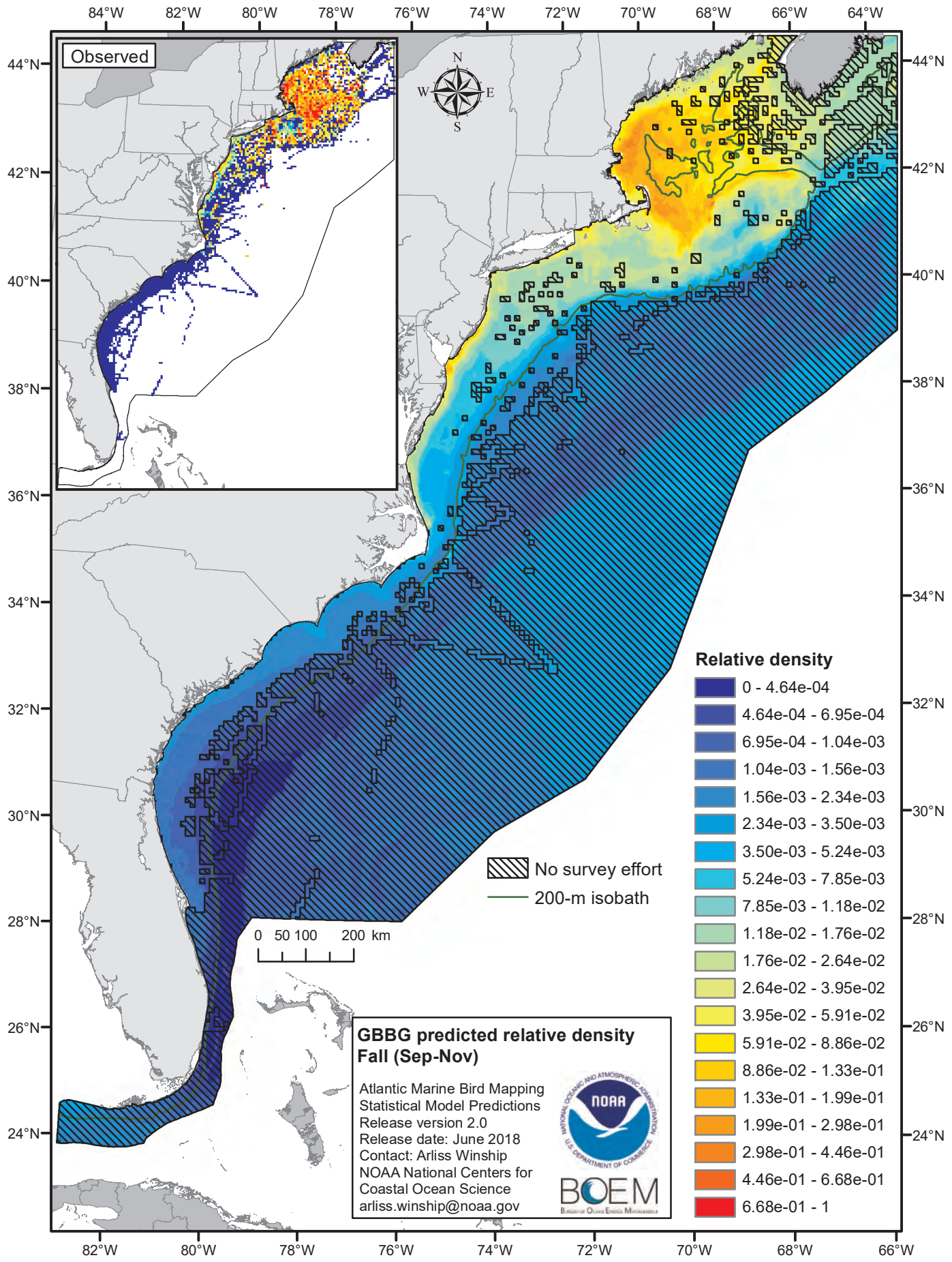
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 4.64e-04
4.64e-04 - 6.95e-04
6.95e-04 - 1.04e-03
1.04e-03 - 1.56e-03
1.56e-03 - 2.34e-03
2.34e-03 - 3.50e-03
3.50e-03 - 5.24e-03
5.24e-03 - 7.85e-03
7.85e-03 - 1.18e-02
1.18e-02 - 1.76e-02
1.76e-02 - 2.64e-02
2.64e-02 - 3.95e-02
3.95e-02 - 5.91e-02
5.91e-02 - 8.86e-02
8.86e-02 - 1.33e-01
1.33e-01 - 1.99e-01
1.99e-01 - 2.98e-01
2.98e-01 - 4.46e-01
4.46e-01 - 6.68e-01
6.68e-01 - 1
GBBG predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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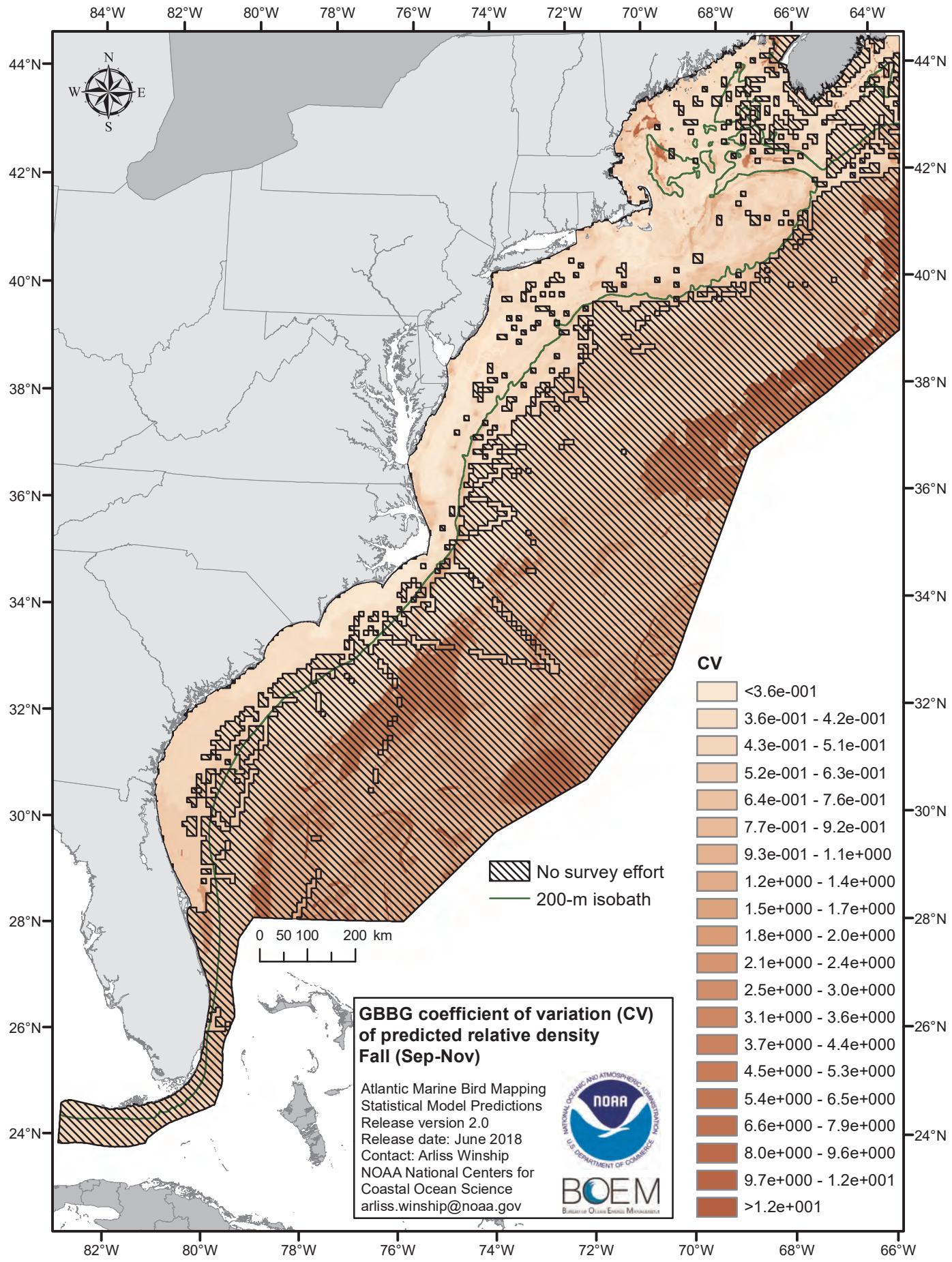
84°W
82°W
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76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
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40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.6e-001
3.6e-001 - 4.2e-001
4.3e-001 - 5.1e-001
5.2e-001 - 6.3e-001
6.4e-001 - 7.6e-001
7.7e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 3.0e+000
3.1e+000 - 3.6e+000
3.7e+000 - 4.4e+000
4.5e+000 - 5.3e+000
5.4e+000 - 6.5e+000
6.6e+000 - 7.9e+000
8.0e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
GBBG coefficient of variation (CV) of predicted relative density
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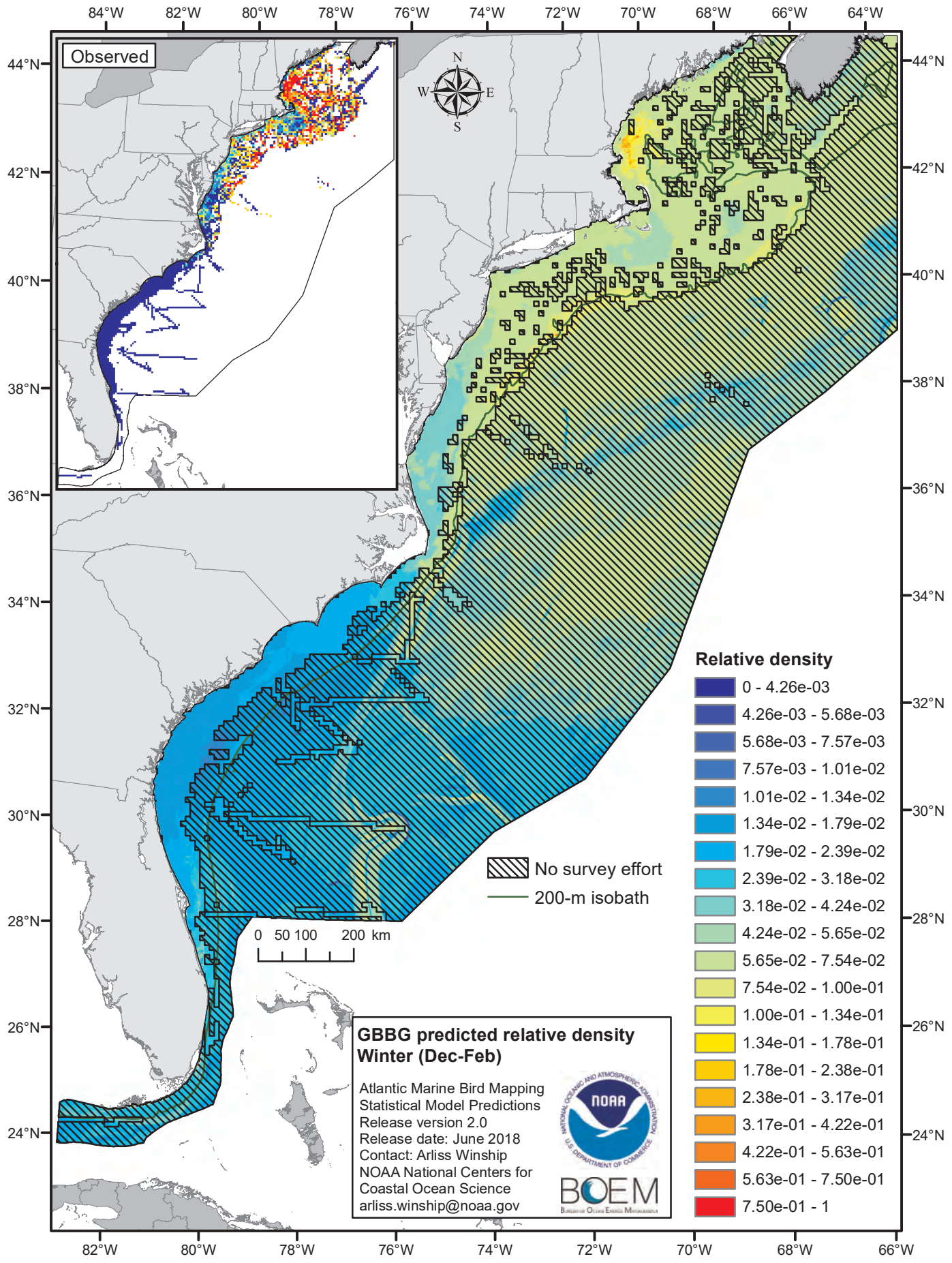
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 4.26e-03
4.26e-03 - 5.68e-03
5.68e-03 - 7.57e-03
7.57e-03 - 1.01e-02
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1.34e-02 - 1.79e-02
1.79e-02 - 2.39e-02
2.39e-02 - 3.18e-02
3.18e-02 - 4.24e-02
4.24e-02 - 5.65e-02
5.65e-02 - 7.54e-02
7.54e-02 - 1.00e-01
1.00e-01 - 1.34e-01
1.34e-01 - 1.78e-01
1.78e-01 - 2.38e-01
2.38e-01 - 3.17e-01
3.17e-01 - 4.22e-01
4.22e-01 - 5.63e-01
5.63e-01 - 7.50e-01
7.50e-01 - 1
GBBG predicted relative density
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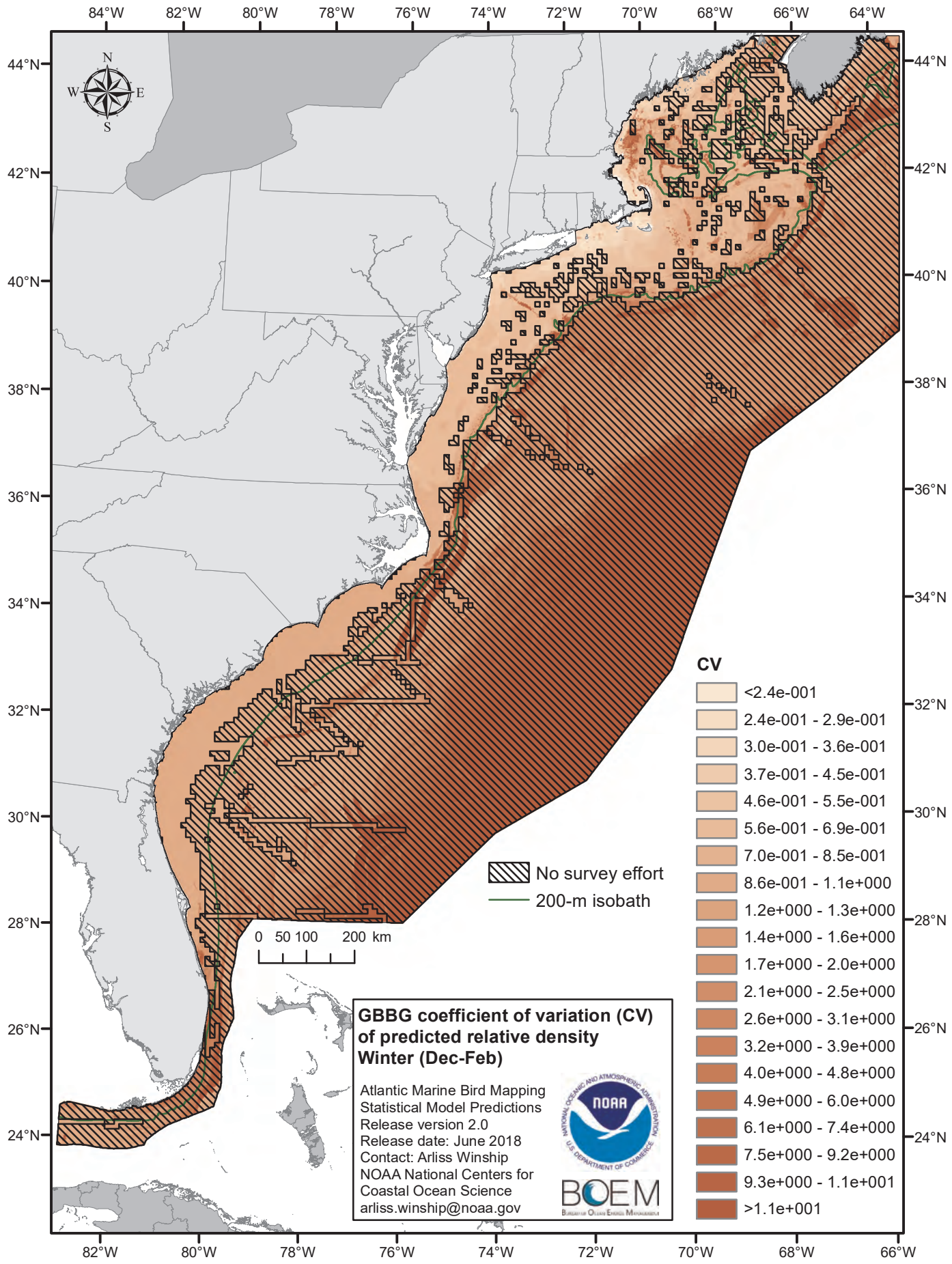
84°W
82°W
80°W
78°W
76°W
74°W
72°W
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68°W
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64°W
44°N
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40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.4e-001
2.4e-001 - 2.9e-001
3.0e-001 - 3.6e-001
3.7e-001 - 4.5e-001
4.6e-001 - 5.5e-001
5.6e-001 - 6.9e-001
7.0e-001 - 8.5e-001
8.6e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.9e+000
4.0e+000 - 4.8e+000
4.9e+000 - 6.0e+000
6.1e+000 - 7.4e+000
7.5e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
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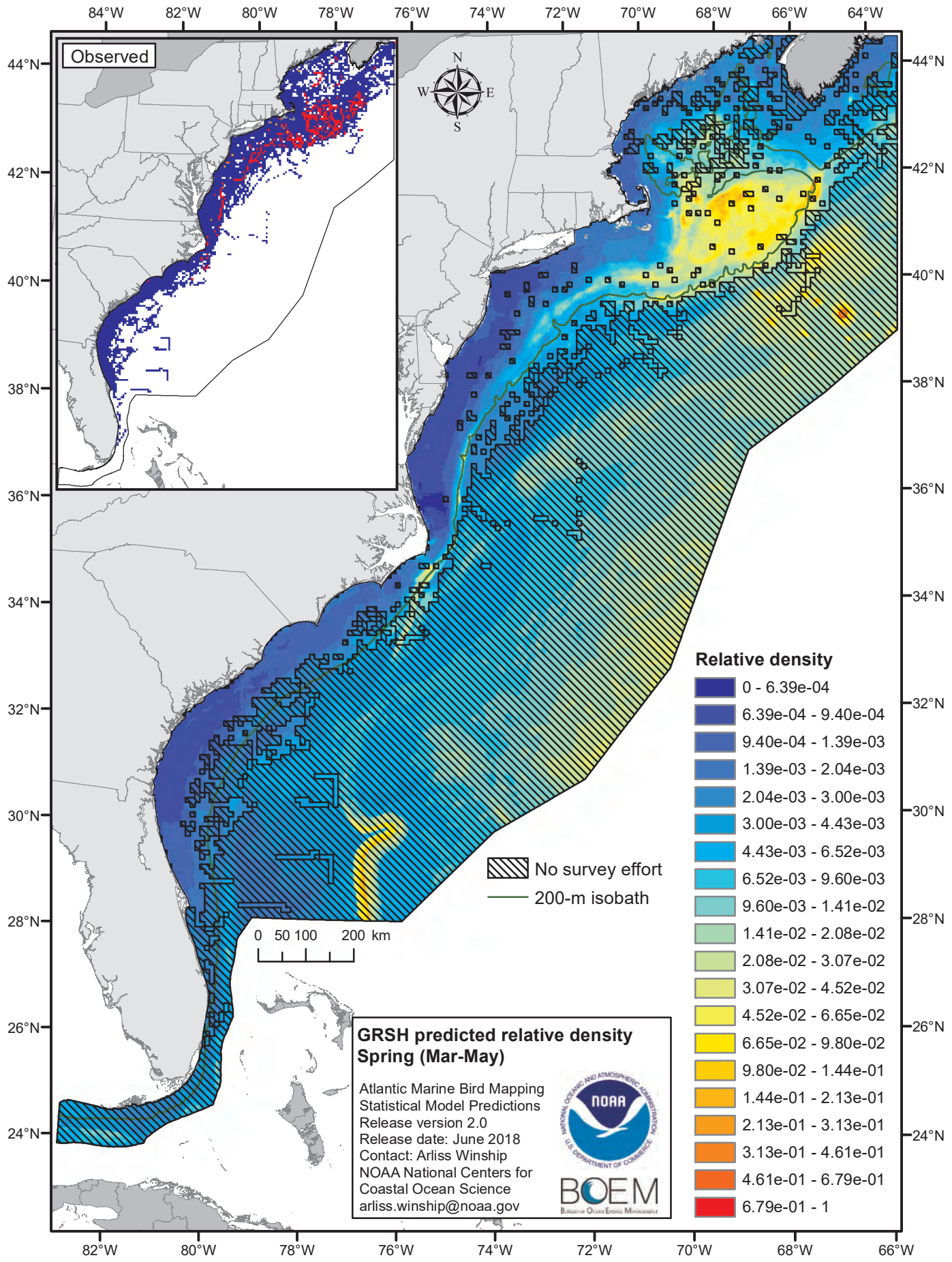
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.39e-04
6.39e-04 - 9.40e-04
9.40e-04 - 1.39e-03
1.39e-03 - 2.04e-03
2.04e-03 - 3.00e-03
3.00e-03 - 4.43e-03
4.43e-03 - 6.52e-03
6.52e-03 - 9.60e-03
9.60e-03 - 1.41e-02
1.41e-02 - 2.08e-02
2.08e-02 - 3.07e-02
3.07e-02 - 4.52e-02
4.52e-02 - 6.65e-02
6.65e-02 - 9.80e-02
9.80e-02 - 1.44e-01
1.44e-01 - 2.13e-01
2.13e-01 - 3.13e-01
3.13e-01 - 4.61e-01
4.61e-01 - 6.79e-01
6.79e-01 - 1
GRSH predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
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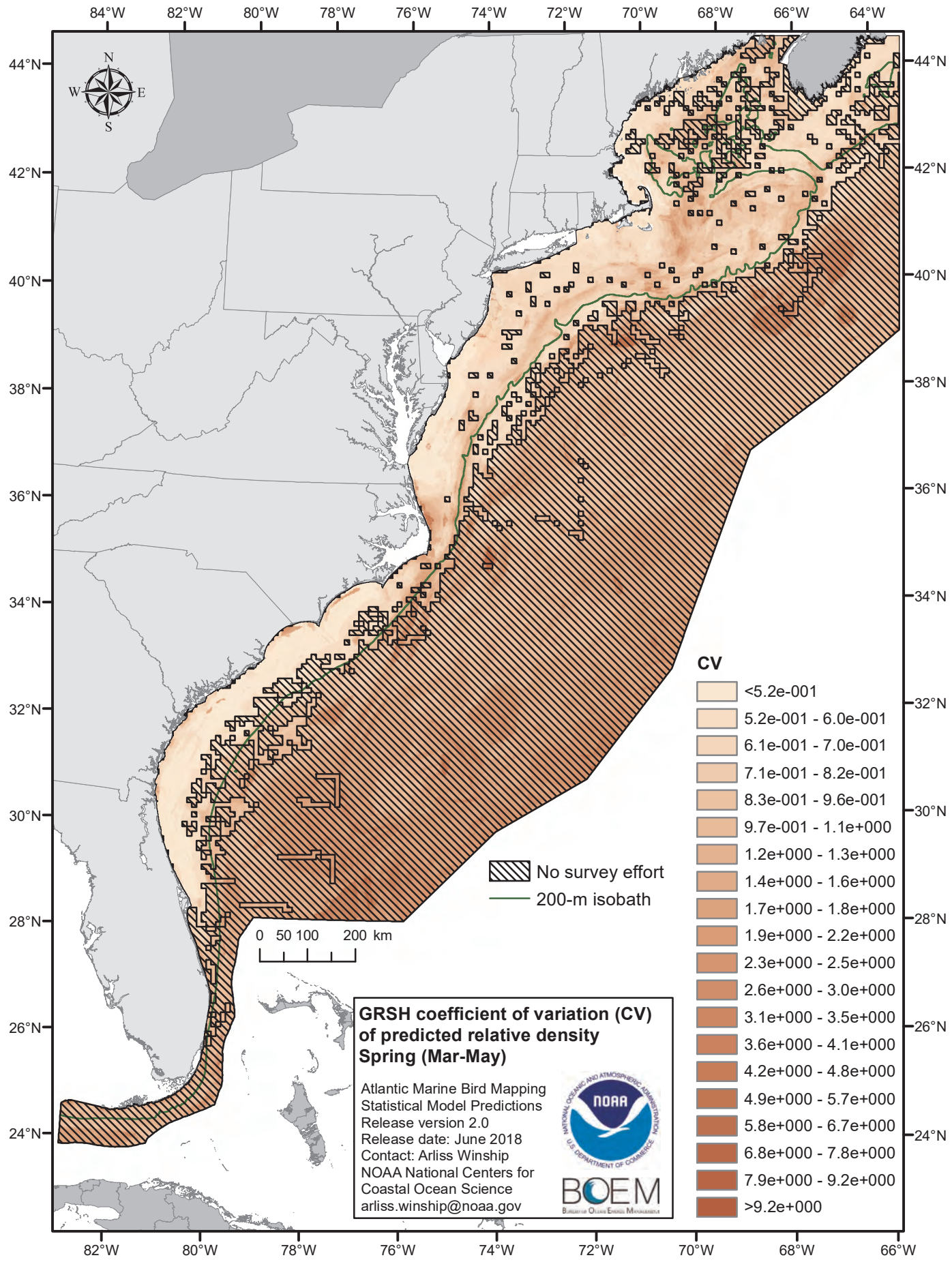
BOEM


84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
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40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.2e-001
5.2e-001 - 6.0e-001
6.1e-001 - 7.0e-001
7.1e-001 - 8.2e-001
8.3e-001 - 9.6e-001
9.7e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.5e+000
3.6e+000 - 4.1e+000
4.2e+000 - 4.8e+000
4.9e+000 - 5.7e+000
5.8e+000 - 6.7e+000
6.8e+000 - 7.8e+000
7.9e+000 - 9.2e+000
>9.2e+000
GRSH coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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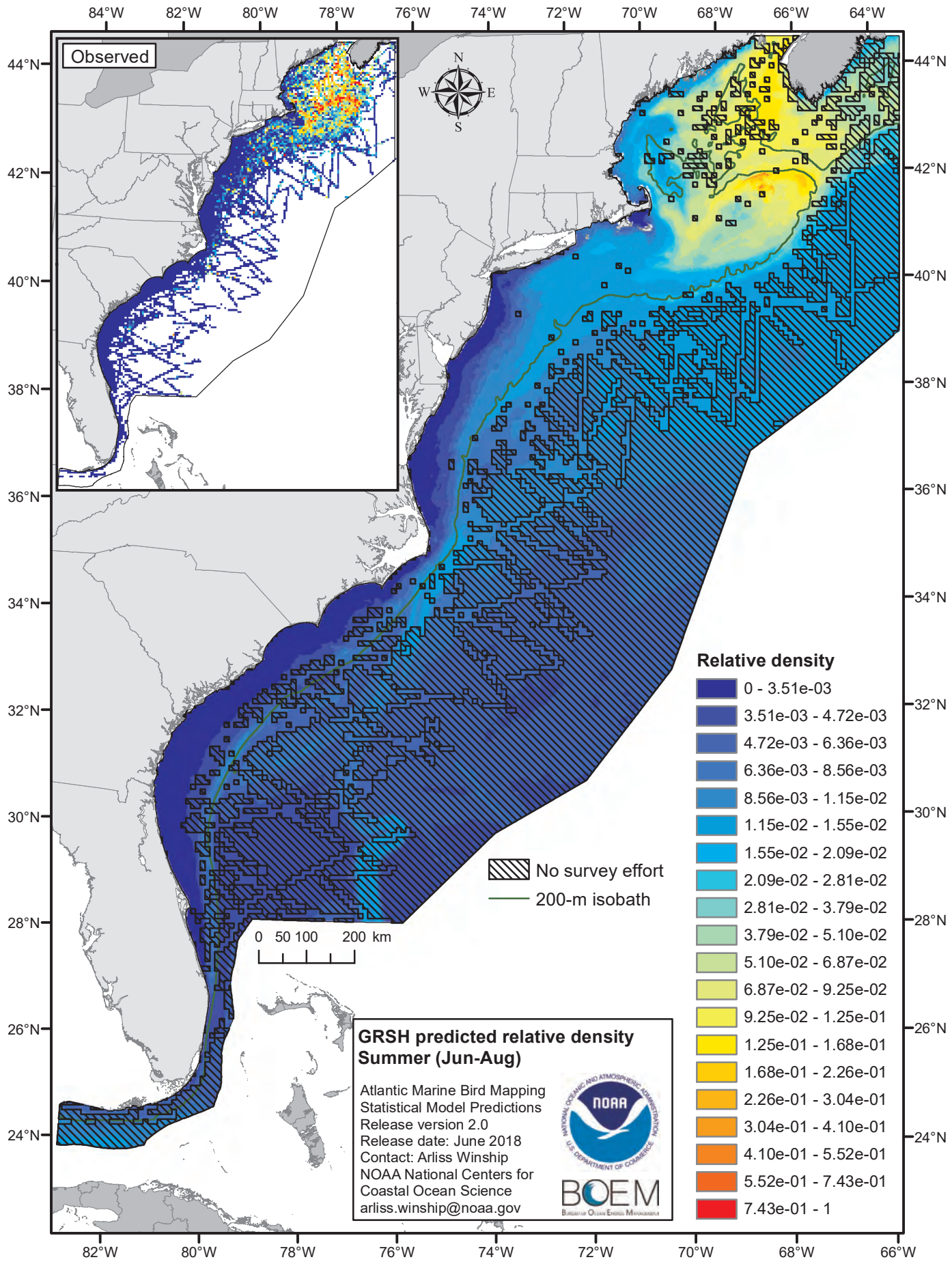
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
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66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.51e-03
3.51e-03 - 4.72e-03
4.72e-03 - 6.36e-03
6.36e-03 - 8.56e-03
8.56e-03 - 1.15e-02
1.15e-02 - 1.55e-02
1.55e-02 - 2.09e-02
2.09e-02 - 2.81e-02
2.81e-02 - 3.79e-02
3.79e-02 - 5.10e-02
5.10e-02 - 6.87e-02
6.87e-02 - 9.25e-02
9.25e-02 - 1.25e-01
1.25e-01 - 1.68e-01
1.68e-01 - 2.26e-01
2.26e-01 - 3.04e-01
3.04e-01 - 4.10e-01
4.10e-01 - 5.52e-01
5.52e-01 - 7.43e-01
7.43e-01 - 1
GRSH predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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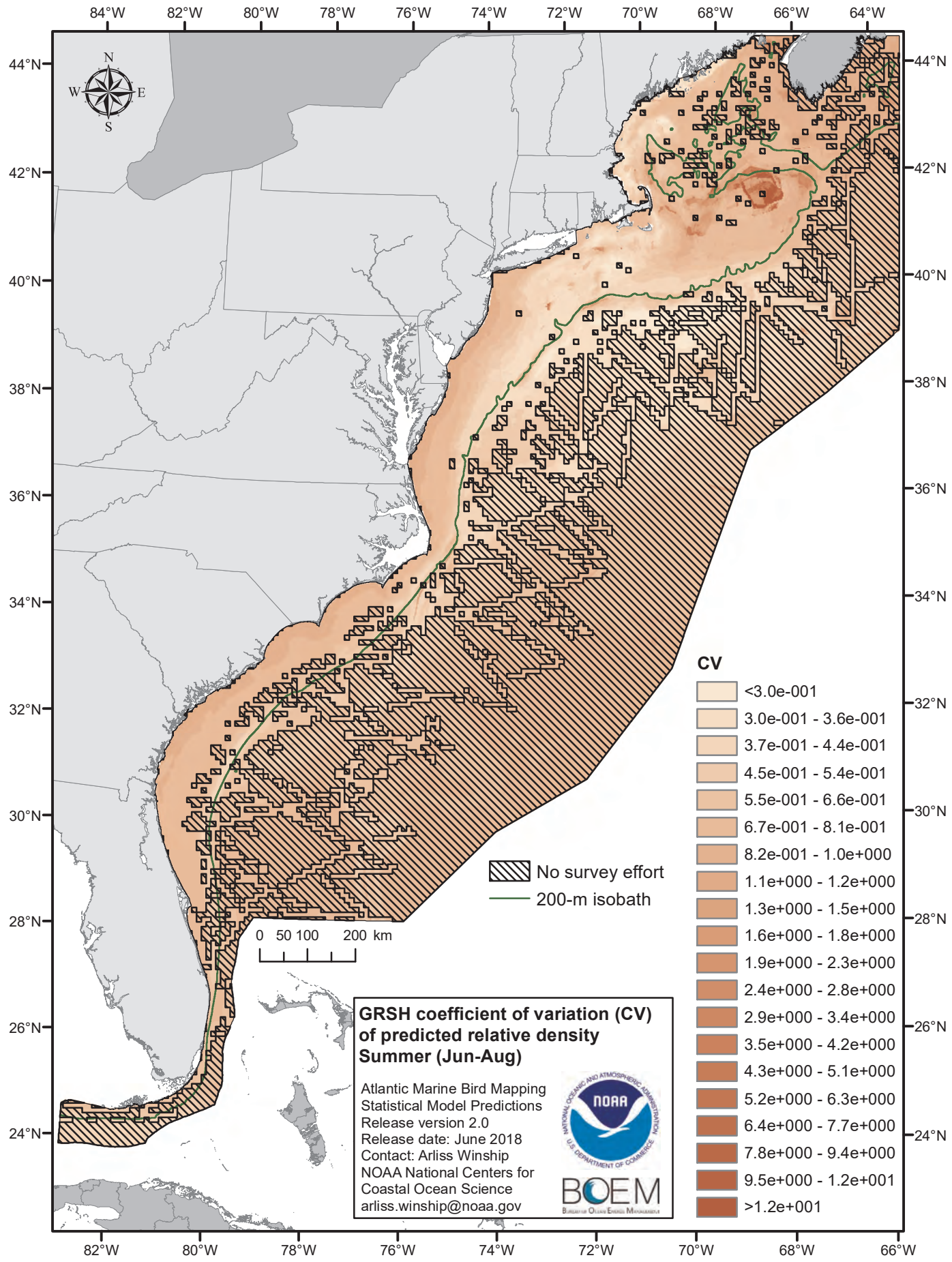
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.0e-001
3.0e-001 - 3.6e-001
3.7e-001 - 4.4e-001
4.5e-001 - 5.4e-001
5.5e-001 - 6.6e-001
6.7e-001 - 8.1e-001
8.2e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.2e+000
4.3e+000 - 5.1e+000
5.2e+000 - 6.3e+000
6.4e+000 - 7.7e+000
7.8e+000 - 9.4e+000
9.5e+000 - 1.2e+001
>1.2e+001
GRSH coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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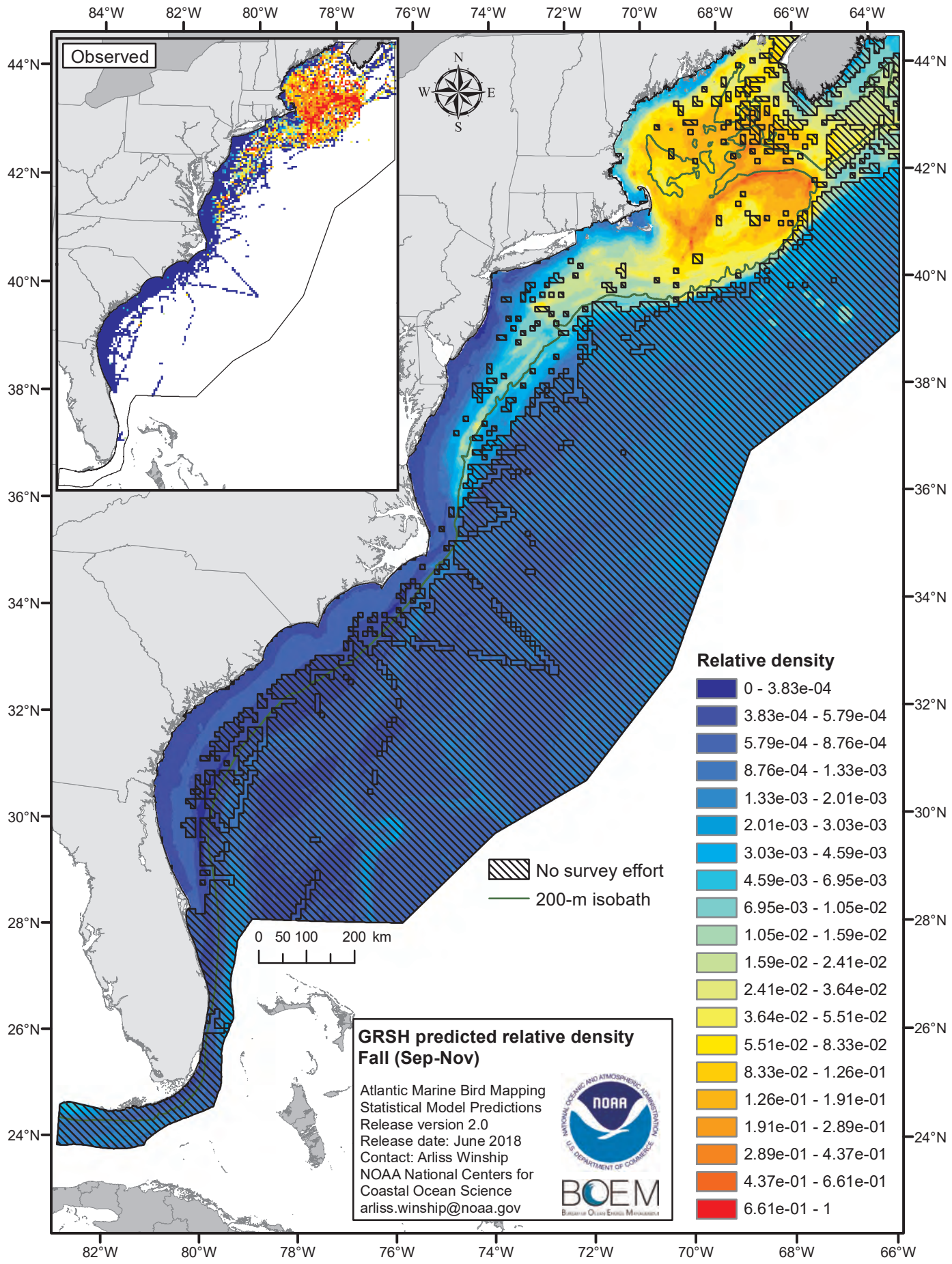
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.83e-04
3.83e-04 - 5.79e-04
5.79e-04 - 8.76e-04
8.76e-04 - 1.33e-03
1.33e-03 - 2.01e-03
2.01e-03 - 3.03e-03
3.03e-03 - 4.59e-03
4.59e-03 - 6.95e-03
6.95e-03 - 1.05e-02
1.05e-02 - 1.59e-02
1.59e-02 - 2.41e-02
2.41e-02 - 3.64e-02
3.64e-02 - 5.51e-02
5.51e-02 - 8.33e-02
8.33e-02 - 1.26e-01
1.26e-01 - 1.91e-01
1.91e-01 - 2.89e-01
2.89e-01 - 4.37e-01
4.37e-01 - 6.61e-01
6.61e-01 - 1
GRSH predicted relative density
Fall (Sep-Nov)
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Statistical Model Predictions
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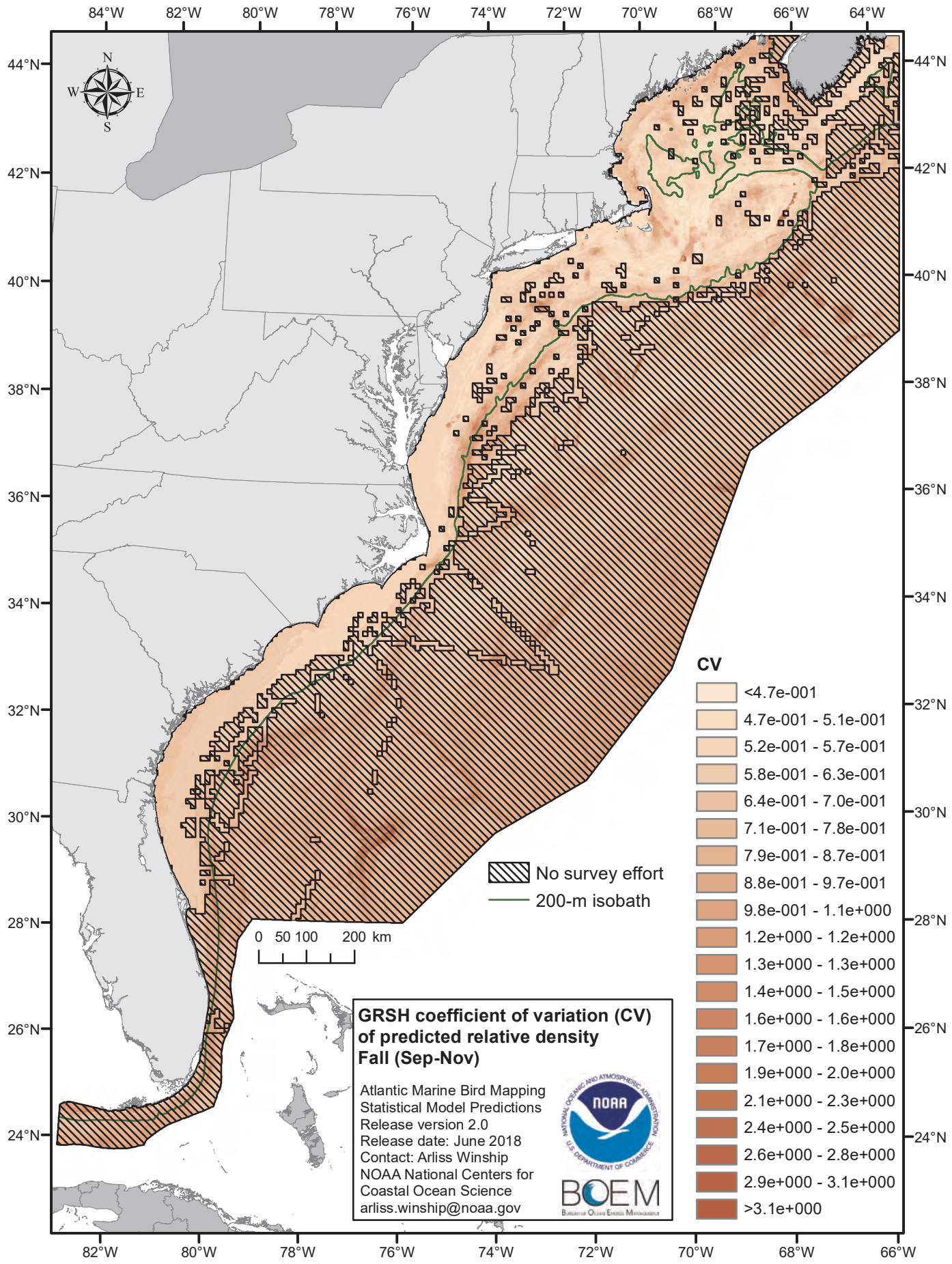
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.7e-001
4.7e-001 - 5.1e-001
5.2e-001 - 5.7e-001
5.8e-001 - 6.3e-001
6.4e-001 - 7.0e-001
7.1e-001 - 7.8e-001
7.9e-001 - 8.7e-001
8.8e-001 - 9.7e-001
9.8e-001 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.5e+000
2.6e+000 - 2.8e+000
2.9e+000 - 3.1e+000
>3.1e+000
GRSH coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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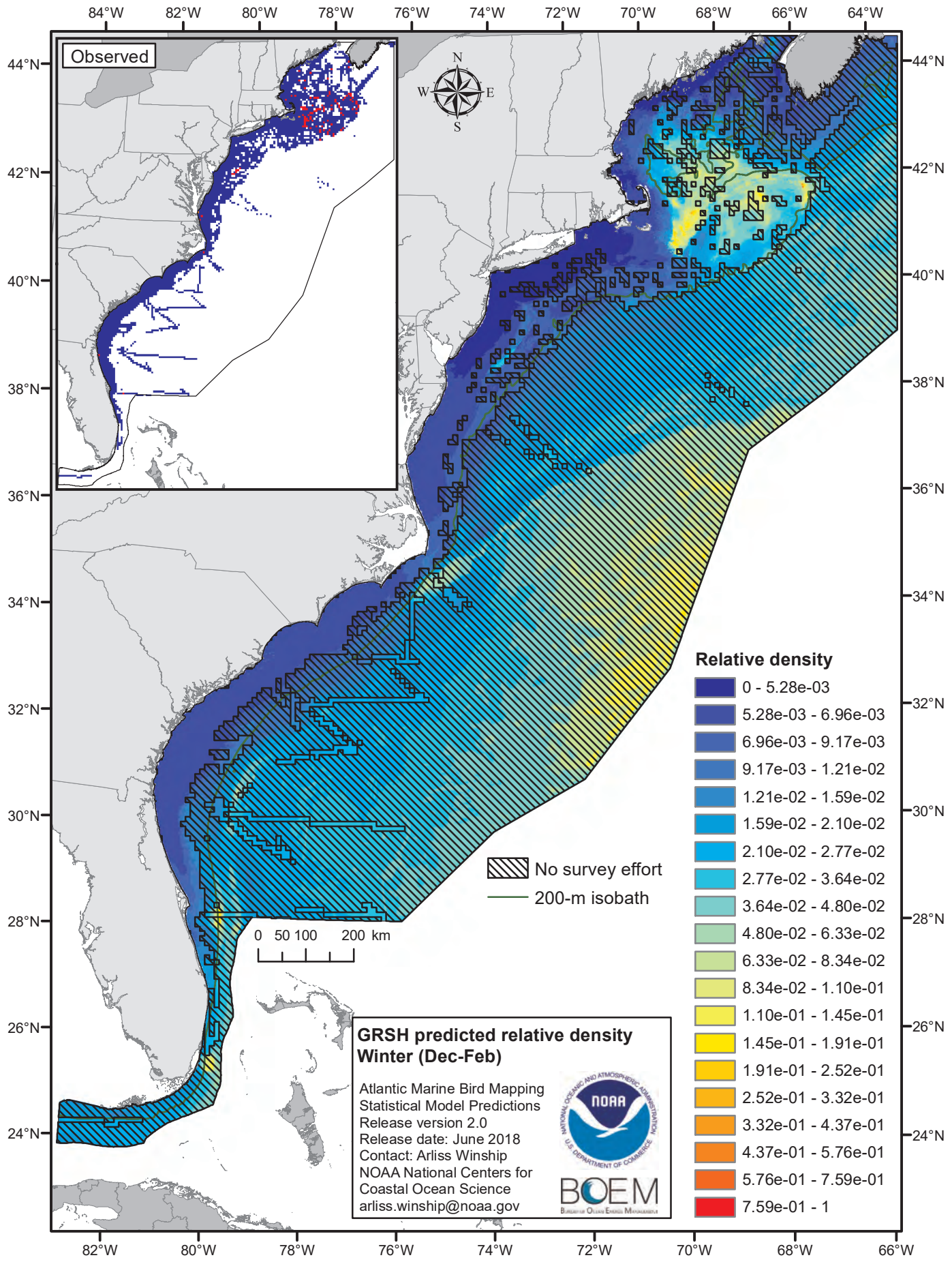
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.28e-03
5.28e-03 - 6.96e-03
6.96e-03 - 9.17e-03
9.17e-03 - 1.21e-02
1.21e-02 - 1.59e-02
1.59e-02 - 2.10e-02
2.10e-02 - 2.77e-02
2.77e-02 - 3.64e-02
3.64e-02 - 4.80e-02
4.80e-02 - 6.33e-02
6.33e-02 - 8.34e-02
8.34e-02 - 1.10e-01
1.10e-01 - 1.45e-01
1.45e-01 - 1.91e-01
1.91e-01 - 2.52e-01
2.52e-01 - 3.32e-01
3.32e-01 - 4.37e-01
4.37e-01 - 5.76e-01
5.76e-01 - 7.59e-01
7.59e-01 - 1
GRSH predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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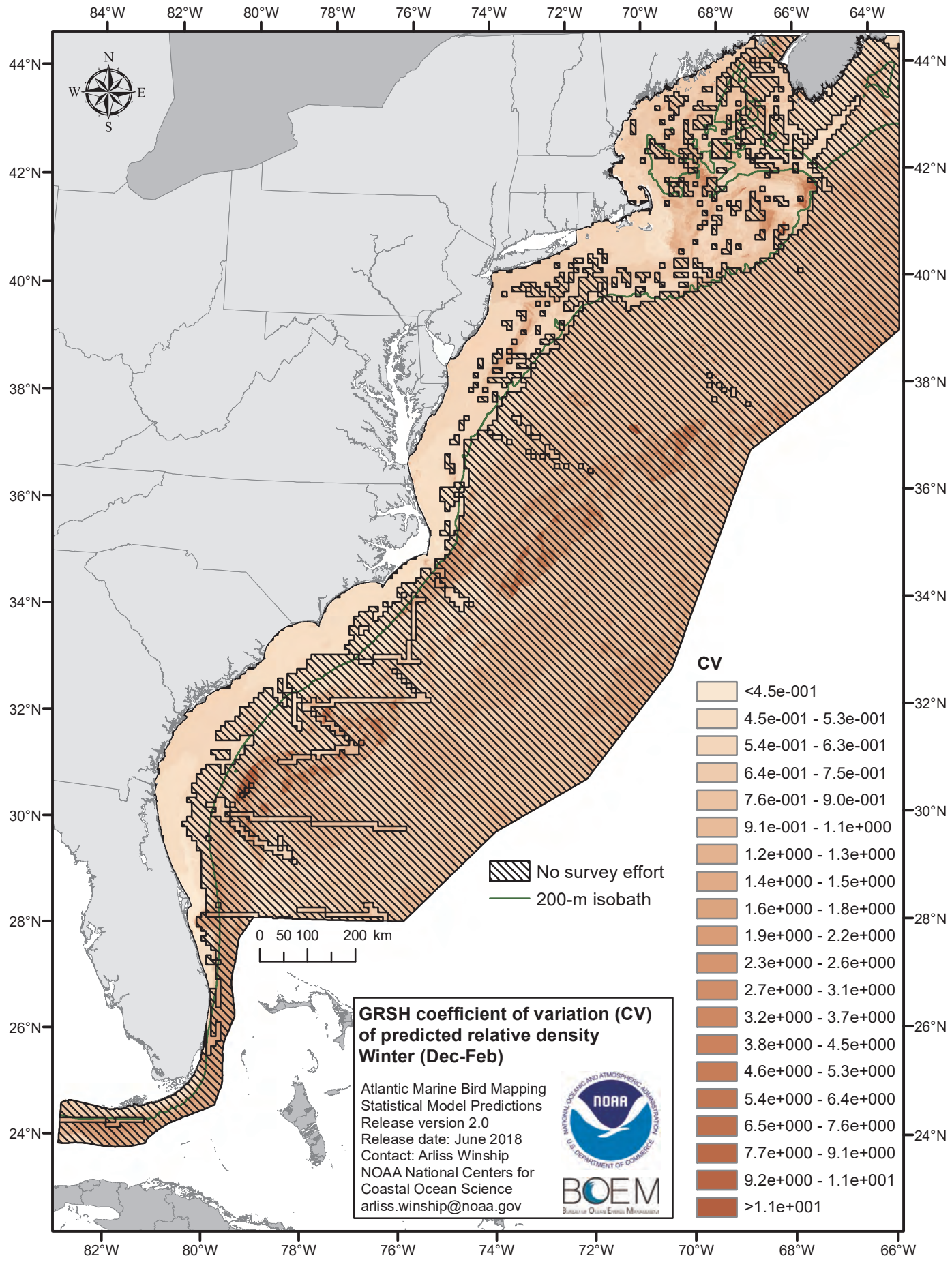
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.5e-001
4.5e-001 - 5.3e-001
5.4e-001 - 6.3e-001
6.4e-001 - 7.5e-001
7.6e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.6e+000
2.7e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.3e+000
5.4e+000 - 6.4e+000
6.5e+000 - 7.6e+000
7.7e+000 - 9.1e+000
9.2e+000 - 1.1e+001
>1.1e+001
GRSH coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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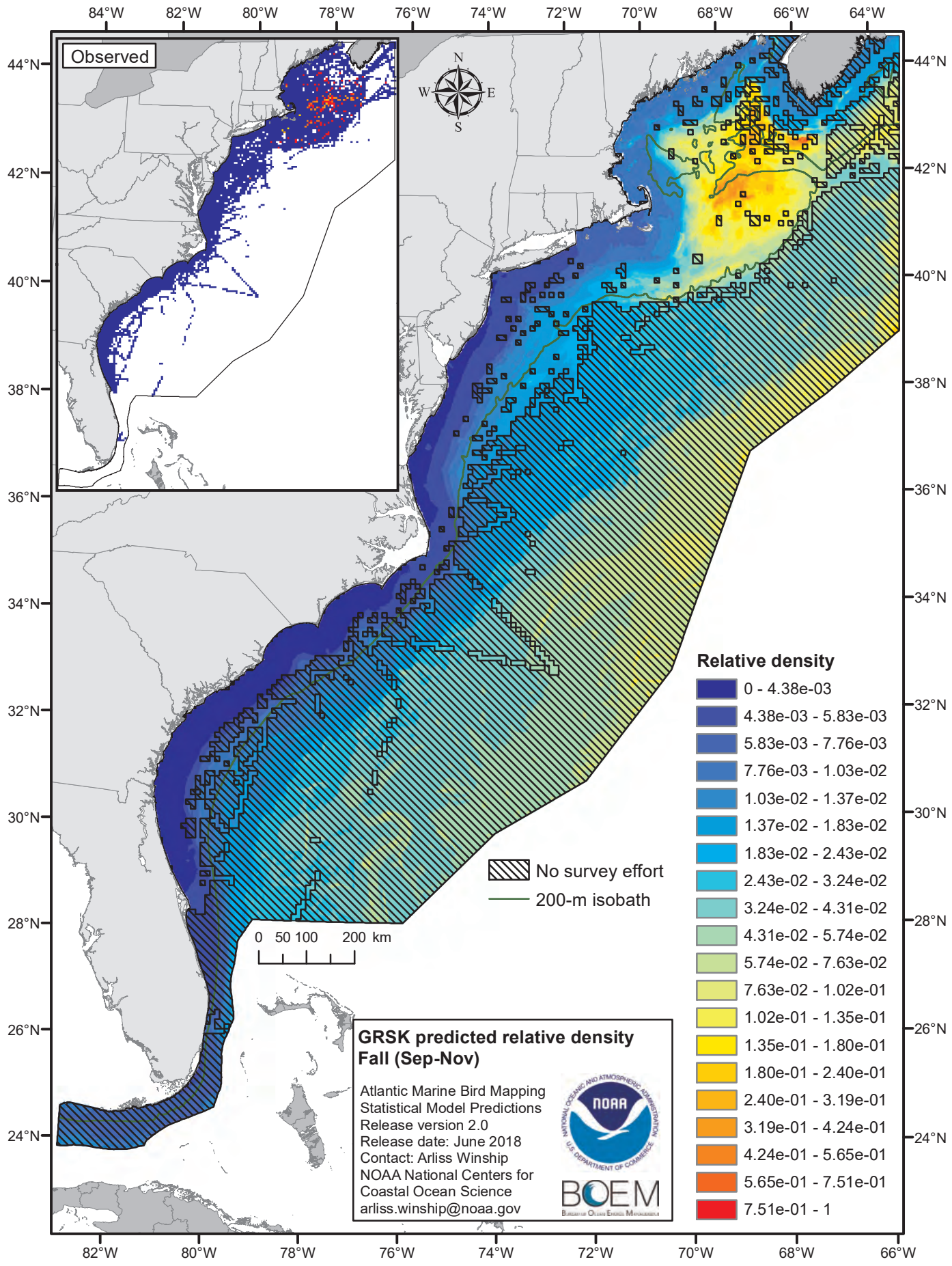
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.38e-03
4.38e-03 - 5.83e-03
5.83e-03 - 7.76e-03
7.76e-03 - 1.03e-02
1.03e-02 - 1.37e-02
1.37e-02 - 1.83e-02
1.83e-02 - 2.43e-02
2.43e-02 - 3.24e-02
3.24e-02 - 4.31e-02
4.31e-02 - 5.74e-02
5.74e-02 - 7.63e-02
7.63e-02 - 1.02e-01
1.02e-01 - 1.35e-01
1.35e-01 - 1.80e-01
1.80e-01 - 2.40e-01
2.40e-01 - 3.19e-01
3.19e-01 - 4.24e-01
4.24e-01 - 5.65e-01
5.65e-01 - 7.51e-01
7.51e-01 - 1
GRSK predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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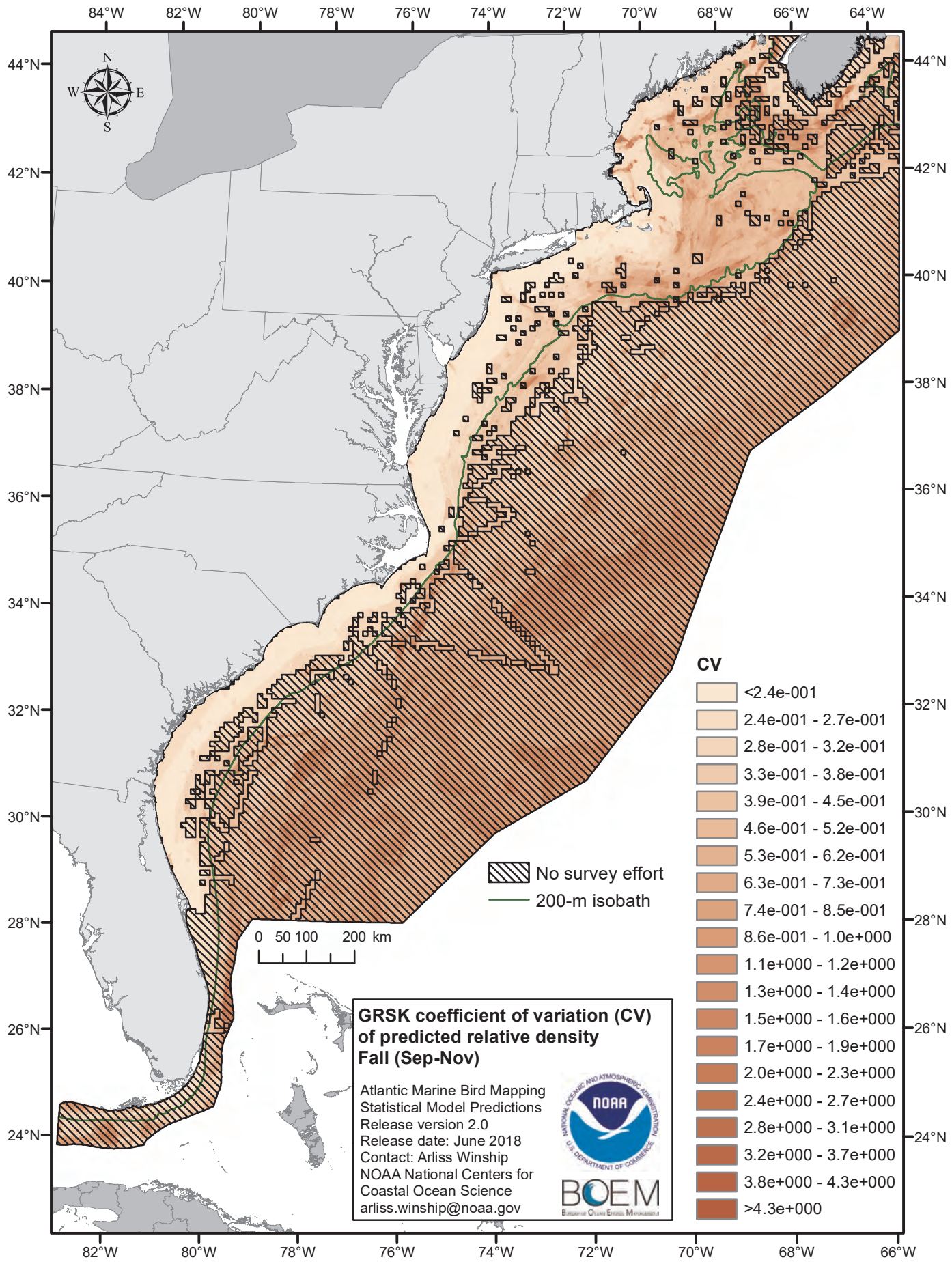
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.4e-001
2.4e-001 - 2.7e-001
2.8e-001 - 3.2e-001
3.3e-001 - 3.8e-001
3.9e-001 - 4.5e-001
4.6e-001 - 5.2e-001
5.3e-001 - 6.2e-001
6.3e-001 - 7.3e-001
7.4e-001 - 8.5e-001
8.6e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
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2.4e+000 - 2.7e+000
2.8e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.3e+000
>4.3e+000
GRSK coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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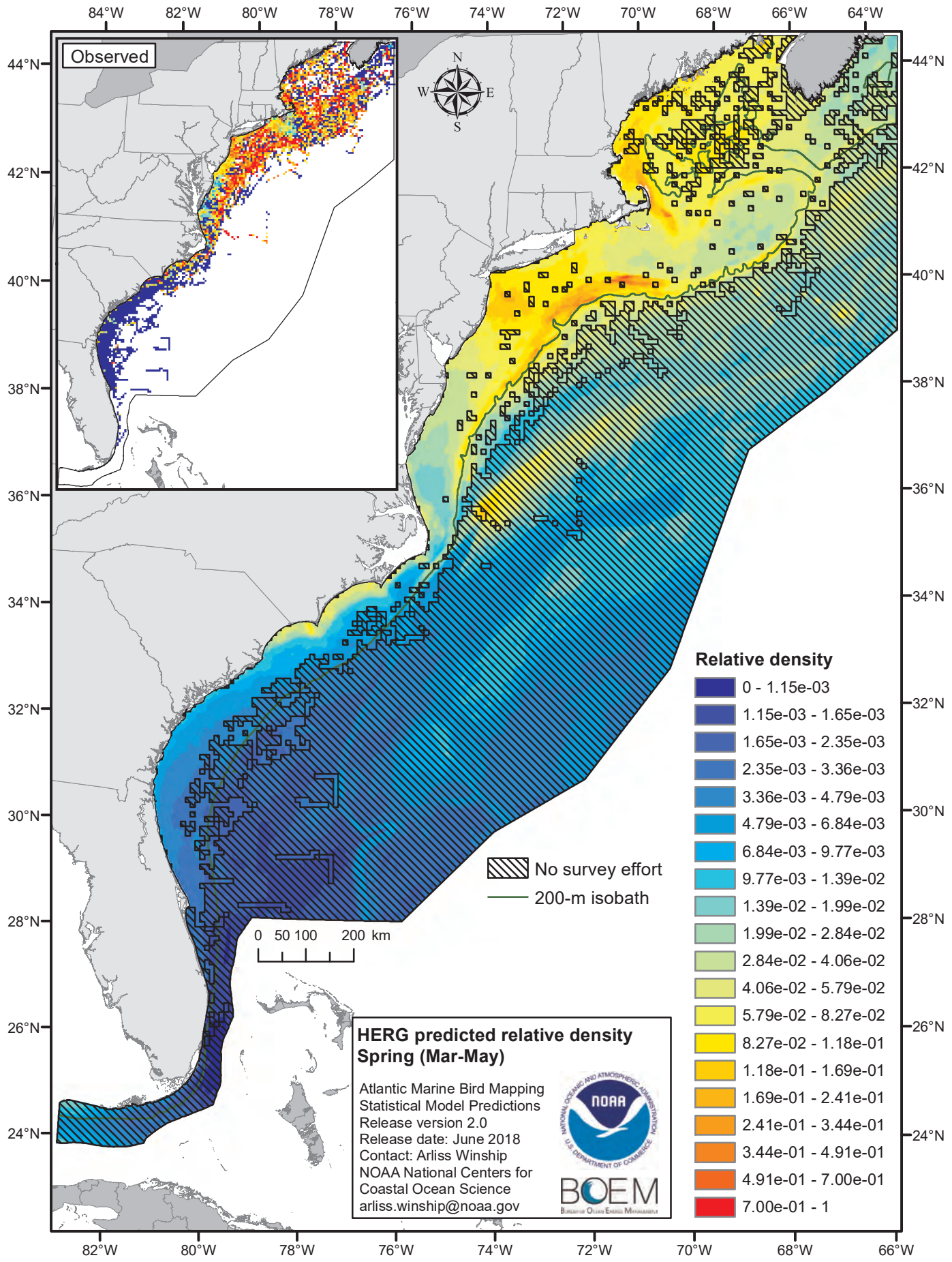
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.15e-03
1.15e-03 - 1.65e-03
1.65e-03 - 2.35e-03
2.35e-03 - 3.36e-03
3.36e-03 - 4.79e-03
4.79e-03 - 6.84e-03
6.84e-03 - 9.77e-03
9.77e-03 - 1.39e-02
1.39e-02 - 1.99e-02
1.99e-02 - 2.84e-02
2.84e-02 - 4.06e-02
4.06e-02 - 5.79e-02
5.79e-02 - 8.27e-02
8.27e-02 - 1.18e-01
1.18e-01 - 1.69e-01
1.69e-01 - 2.41e-01
2.41e-01 - 3.44e-01
3.44e-01 - 4.91e-01
4.91e-01 - 7.00e-01
7.00e-01 - 1
HERG predicted relative density
Spring (Mar-May)
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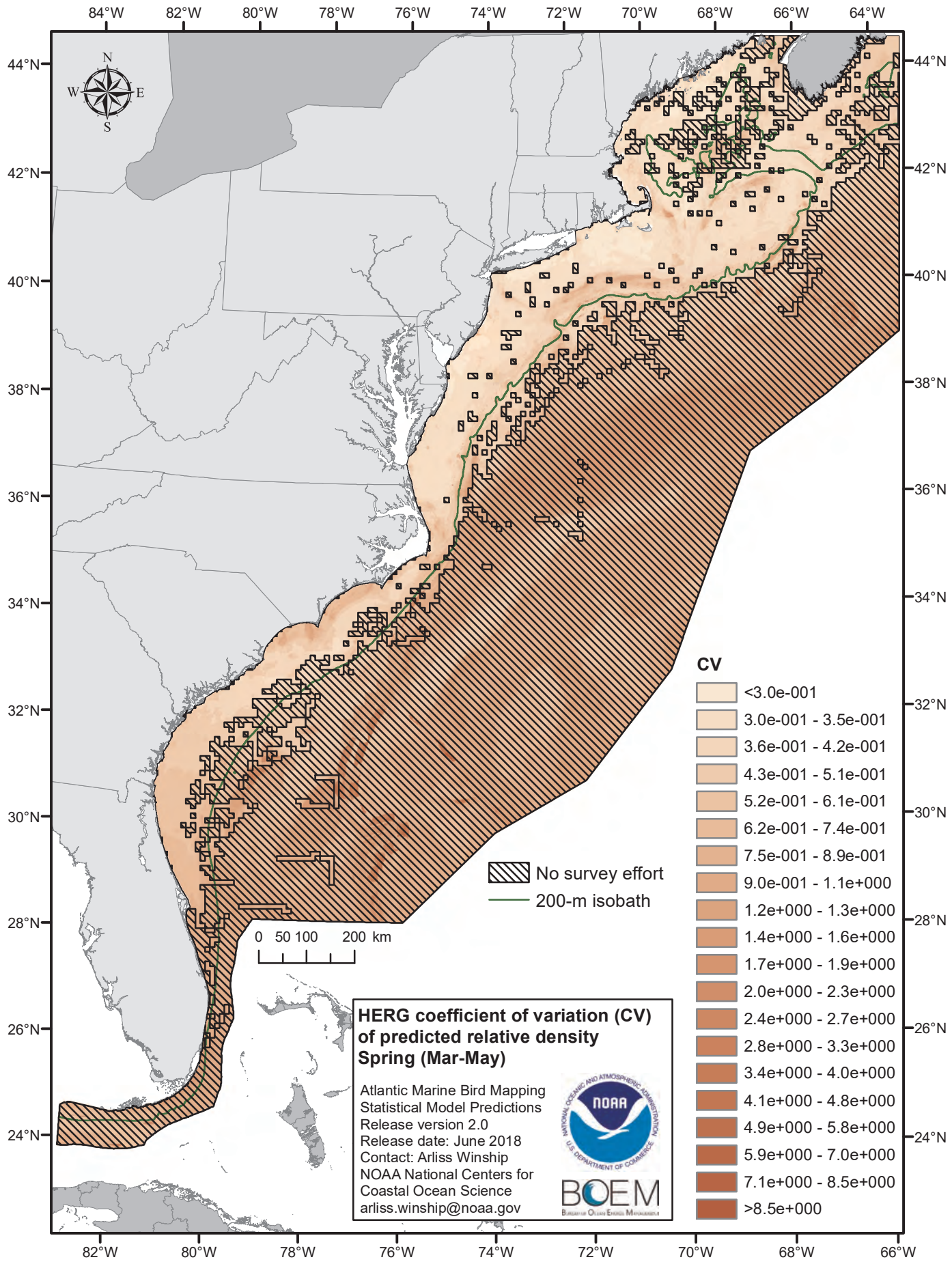
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.0e-001
3.0e-001 - 3.5e-001
3.6e-001 - 4.2e-001
4.3e-001 - 5.1e-001
5.2e-001 - 6.1e-001
6.2e-001 - 7.4e-001
7.5e-001 - 8.9e-001
9.0e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 4.8e+000
4.9e+000 - 5.8e+000
5.9e+000 - 7.0e+000
7.1e+000 - 8.5e+000
>8.5e+000
HERG coefficient of variation (CV) of predicted relative density
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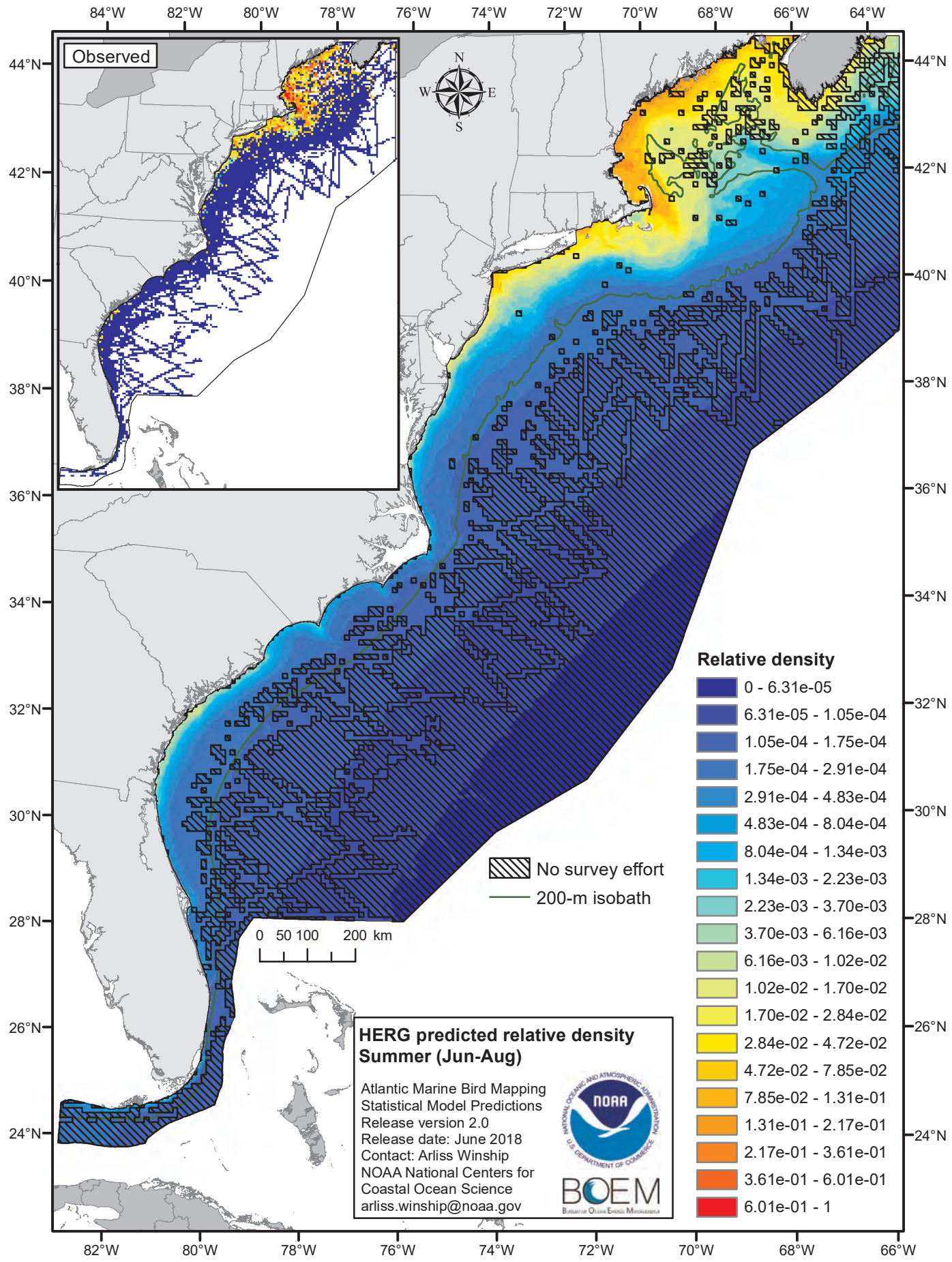
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.31e-05
6.31e-05 - 1.05e-04
1.05e-04 - 1.75e-04
1.75e-04 - 2.91e-04
2.91e-04 - 4.83e-04
4.83e-04 - 8.04e-04
8.04e-04 - 1.34e-03
1.34e-03 - 2.23e-03
2.23e-03 - 3.70e-03
3.70e-03 - 6.16e-03
6.16e-03 - 1.02e-02
1.02e-02 - 1.70e-02
1.70e-02 - 2.84e-02
2.84e-02 - 4.72e-02
4.72e-02 - 7.85e-02
7.85e-02 - 1.31e-01
1.31e-01 - 2.17e-01
2.17e-01 - 3.61e-01
3.61e-01 - 6.01e-01
6.01e-01 - 1
HERG predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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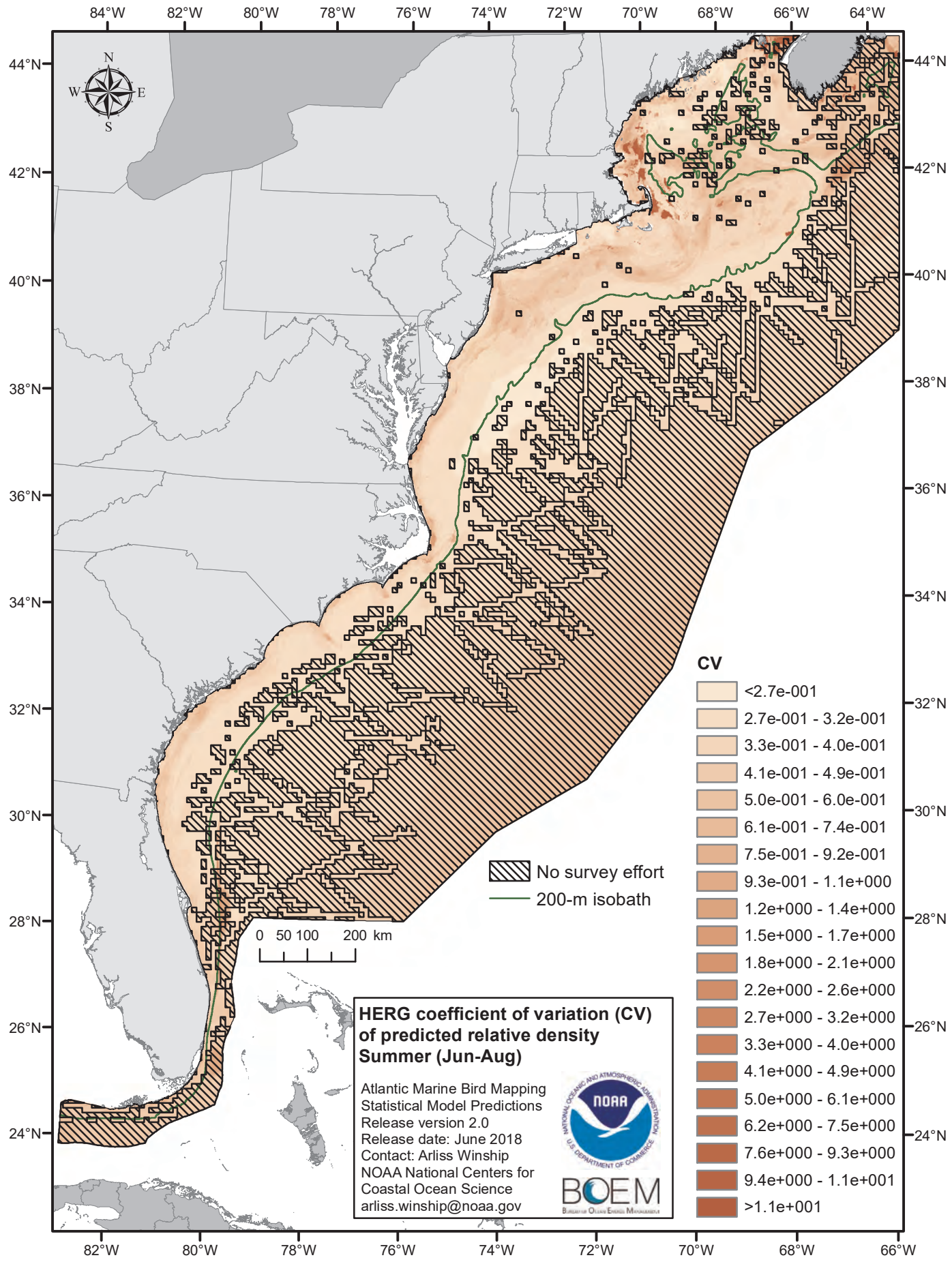
BOEM


84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.7e-001
2.7e-001 - 3.2e-001
3.3e-001 - 4.0e-001
4.1e-001 - 4.9e-001
5.0e-001 - 6.0e-001
6.1e-001 - 7.4e-001
7.5e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.1e+000
6.2e+000 - 7.5e+000
7.6e+000 - 9.3e+000
9.4e+000 - 1.1e+001
>1.1e+001
HERG coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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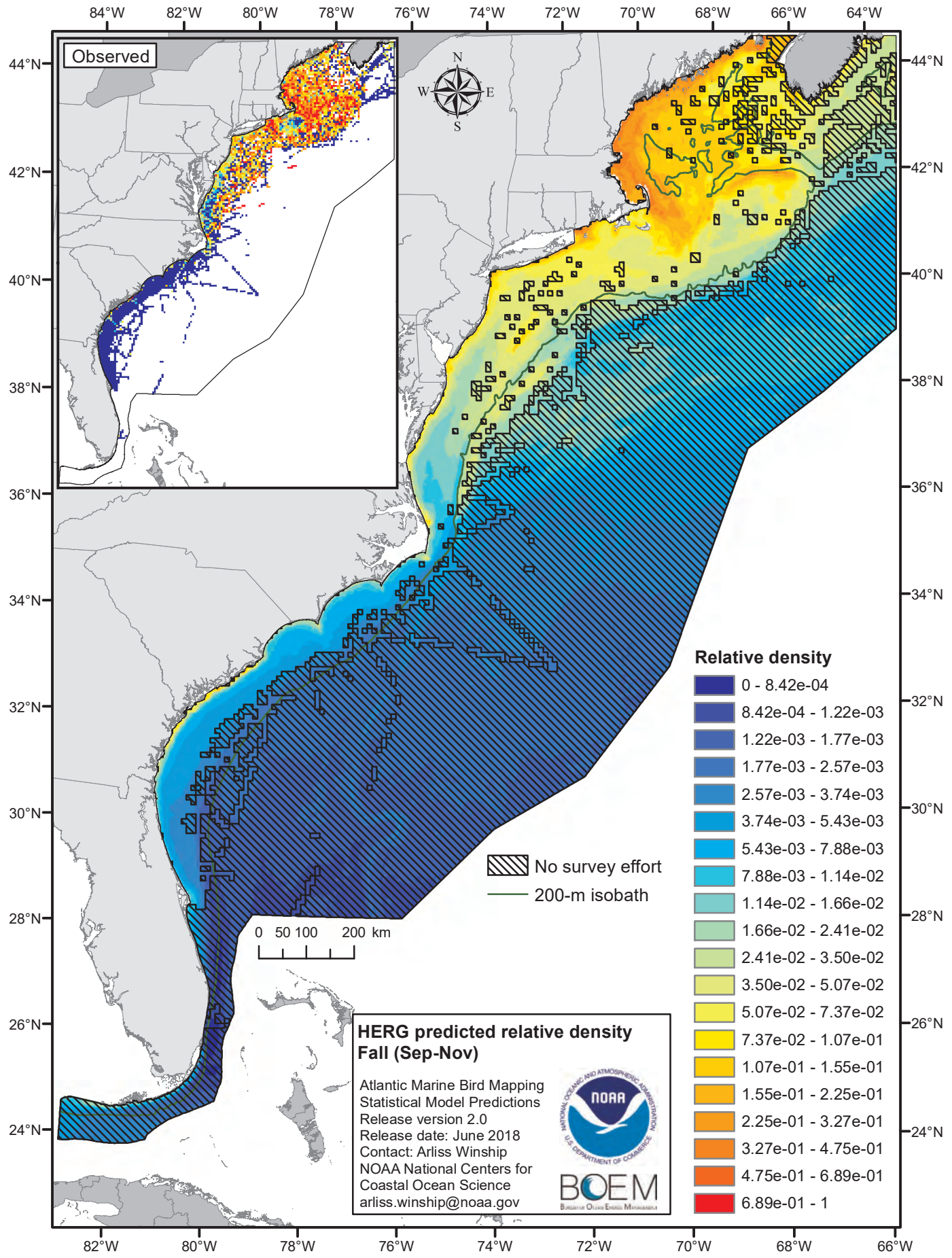
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 8.42e-04
8.42e-04 - 1.22e-03
1.22e-03 - 1.77e-03
1.77e-03 - 2.57e-03
2.57e-03 - 3.74e-03
3.74e-03 - 5.43e-03
5.43e-03 - 7.88e-03
7.88e-03 - 1.14e-02
1.14e-02 - 1.66e-02
1.66e-02 - 2.41e-02
2.41e-02 - 3.50e-02
3.50e-02 - 5.07e-02
5.07e-02 - 7.37e-02
7.37e-02 - 1.07e-01
1.07e-01 - 1.55e-01
1.55e-01 - 2.25e-01
2.25e-01 - 3.27e-01
3.27e-01 - 4.75e-01
4.75e-01 - 6.89e-01
6.89e-01 - 1
HERG predicted relative density
Fall (Sep-Nov)
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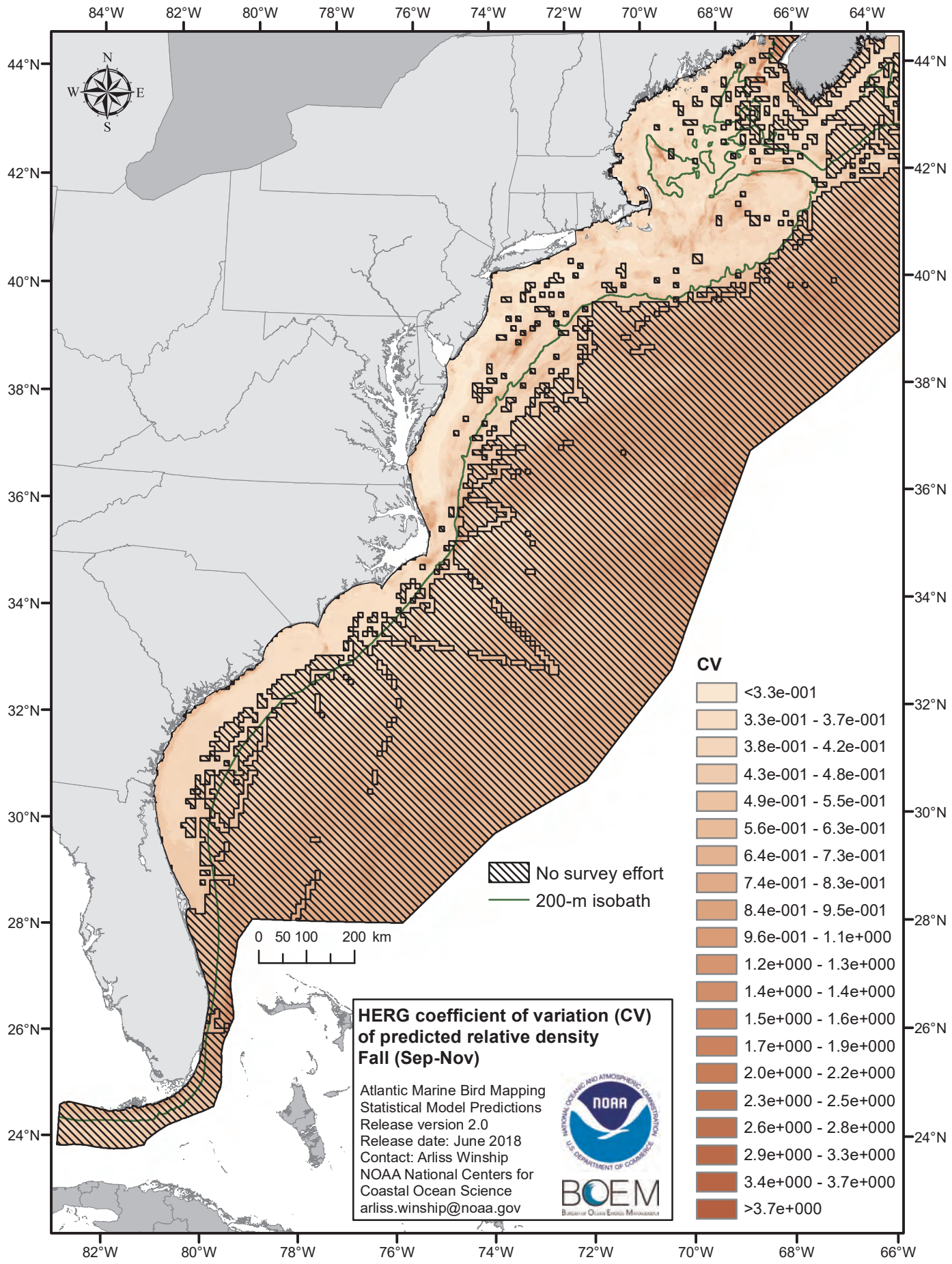
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.3e-001
3.3e-001 - 3.7e-001
3.8e-001 - 4.2e-001
4.3e-001 - 4.8e-001
4.9e-001 - 5.5e-001
5.6e-001 - 6.3e-001
6.4e-001 - 7.3e-001
7.4e-001 - 8.3e-001
8.4e-001 - 9.5e-001
9.6e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.5e+000
2.6e+000 - 2.8e+000
2.9e+000 - 3.3e+000
3.4e+000 - 3.7e+000
>3.7e+000
HERG coefficient of variation (CV) of predicted relative density
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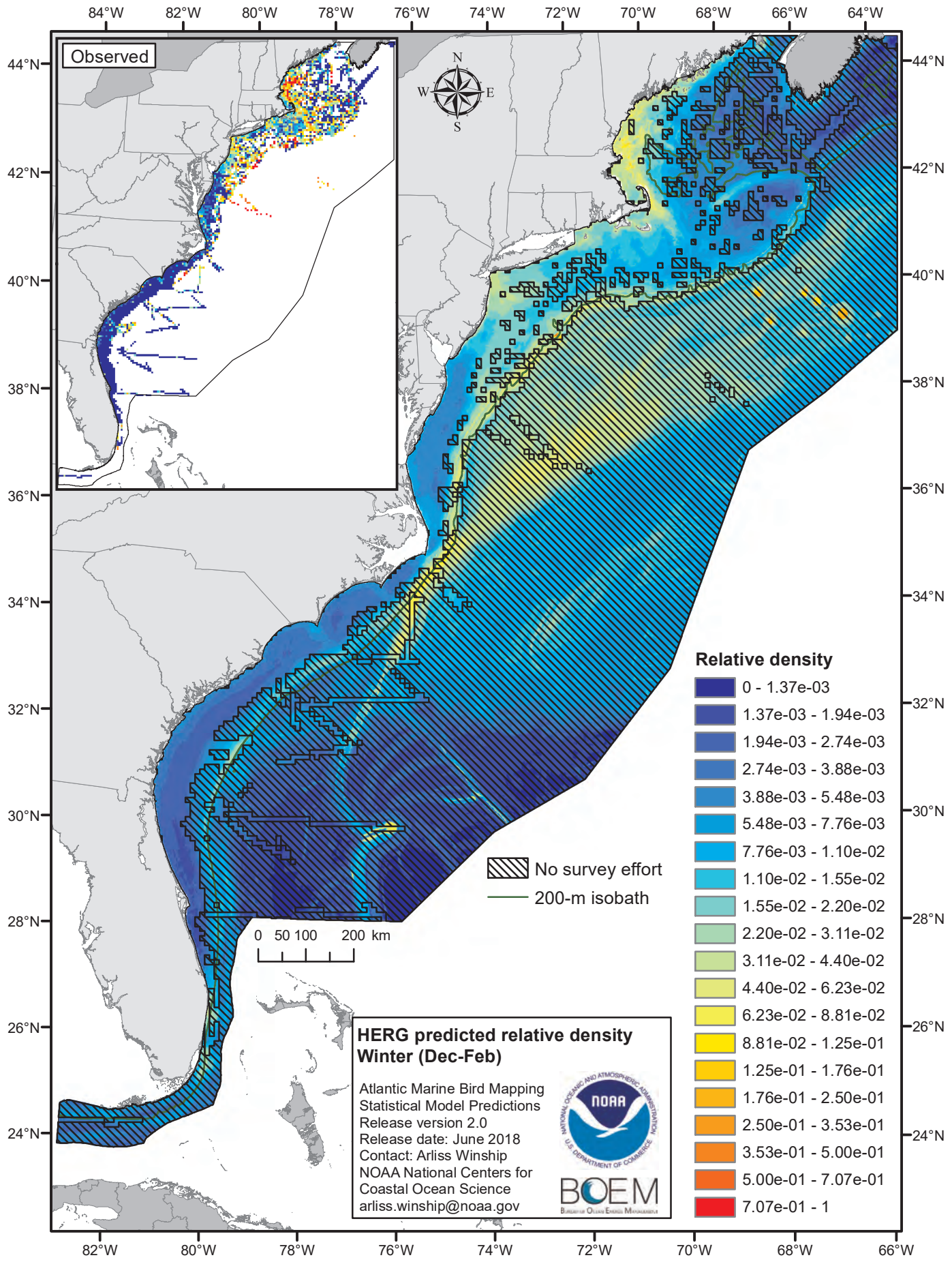
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 1.37e-03
1.37e-03 - 1.94e-03
1.94e-03 - 2.74e-03
2.74e-03 - 3.88e-03
3.88e-03 - 5.48e-03
5.48e-03 - 7.76e-03
7.76e-03 - 1.10e-02
1.10e-02 - 1.55e-02
1.55e-02 - 2.20e-02
2.20e-02 - 3.11e-02
3.11e-02 - 4.40e-02
4.40e-02 - 6.23e-02
6.23e-02 - 8.81e-02
8.81e-02 - 1.25e-01
1.25e-01 - 1.76e-01
1.76e-01 - 2.50e-01
2.50e-01 - 3.53e-01
3.53e-01 - 5.00e-01
5.00e-01 - 7.07e-01
7.07e-01 - 1
HERG predicted relative density
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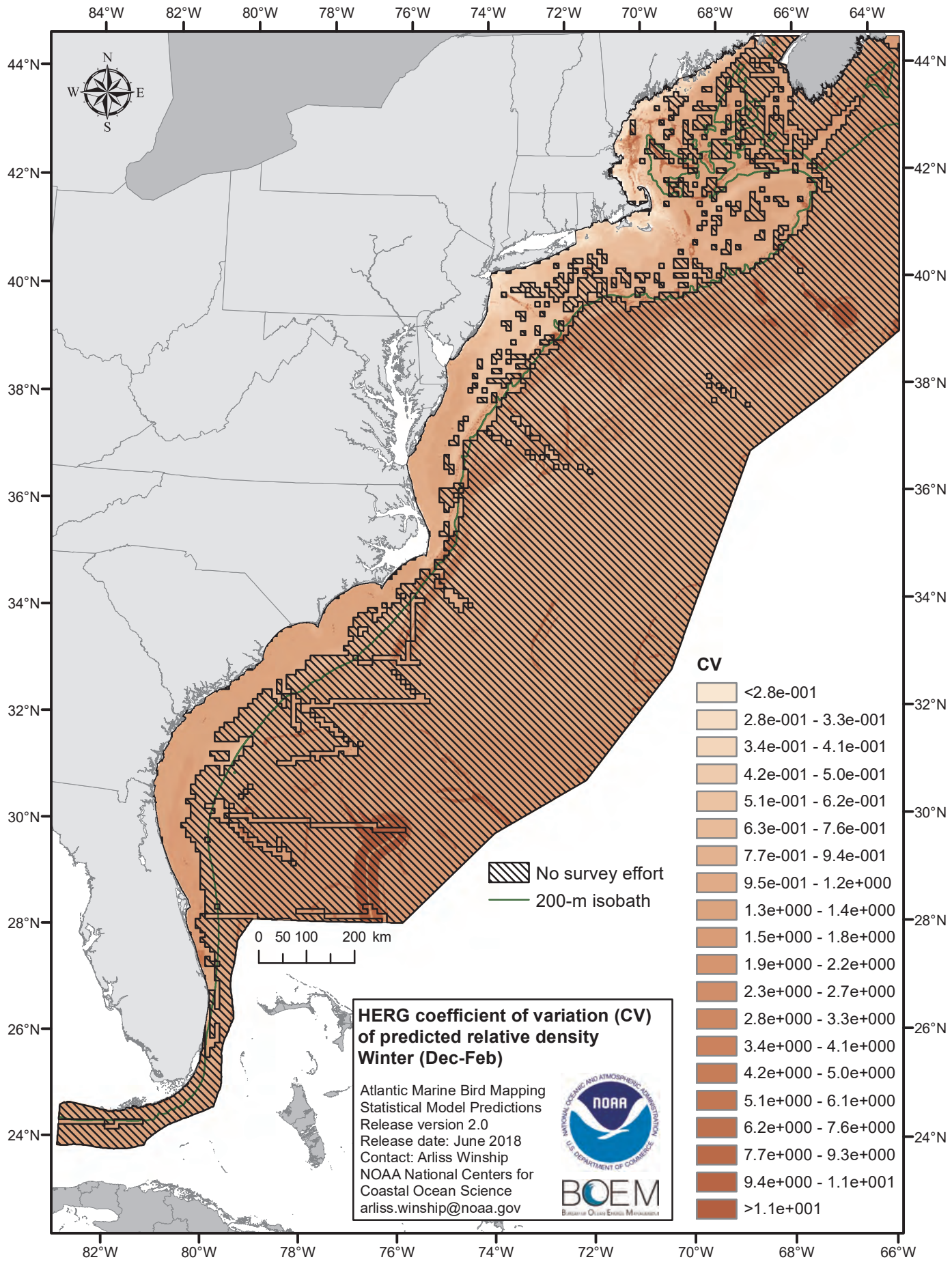
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.8e-001
2.8e-001 - 3.3e-001
3.4e-001 - 4.1e-001
4.2e-001 - 5.0e-001
5.1e-001 - 6.2e-001
6.3e-001 - 7.6e-001
7.7e-001 - 9.4e-001
9.5e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 4.1e+000
4.2e+000 - 5.0e+000
5.1e+000 - 6.1e+000
6.2e+000 - 7.6e+000
7.7e+000 - 9.3e+000
9.4e+000 - 1.1e+001
>1.1e+001
HERG coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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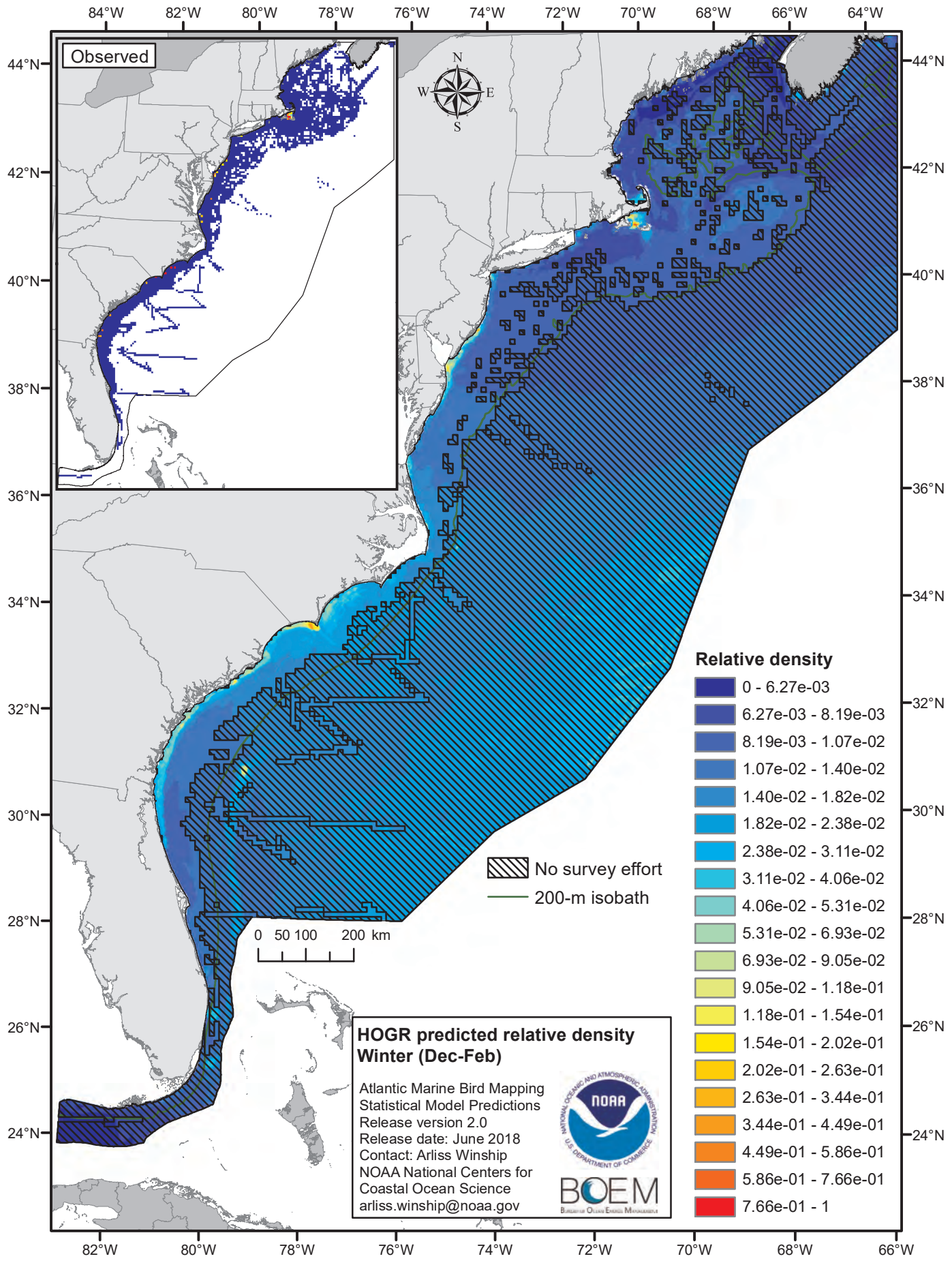
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.27e-03
6.27e-03 - 8.19e-03
8.19e-03 - 1.07e-02
1.07e-02 - 1.40e-02
1.40e-02 - 1.82e-02
1.82e-02 - 2.38e-02
2.38e-02 - 3.11e-02
3.11e-02 - 4.06e-02
4.06e-02 - 5.31e-02
5.31e-02 - 6.93e-02
6.93e-02 - 9.05e-02
9.05e-02 - 1.18e-01
1.18e-01 - 1.54e-01
1.54e-01 - 2.02e-01
2.02e-01 - 2.63e-01
2.63e-01 - 3.44e-01
3.44e-01 - 4.49e-01
4.49e-01 - 5.86e-01
5.86e-01 - 7.66e-01
7.66e-01 - 1
HOGR predicted relative density
Winter (Dec-Feb)
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Statistical Model Predictions
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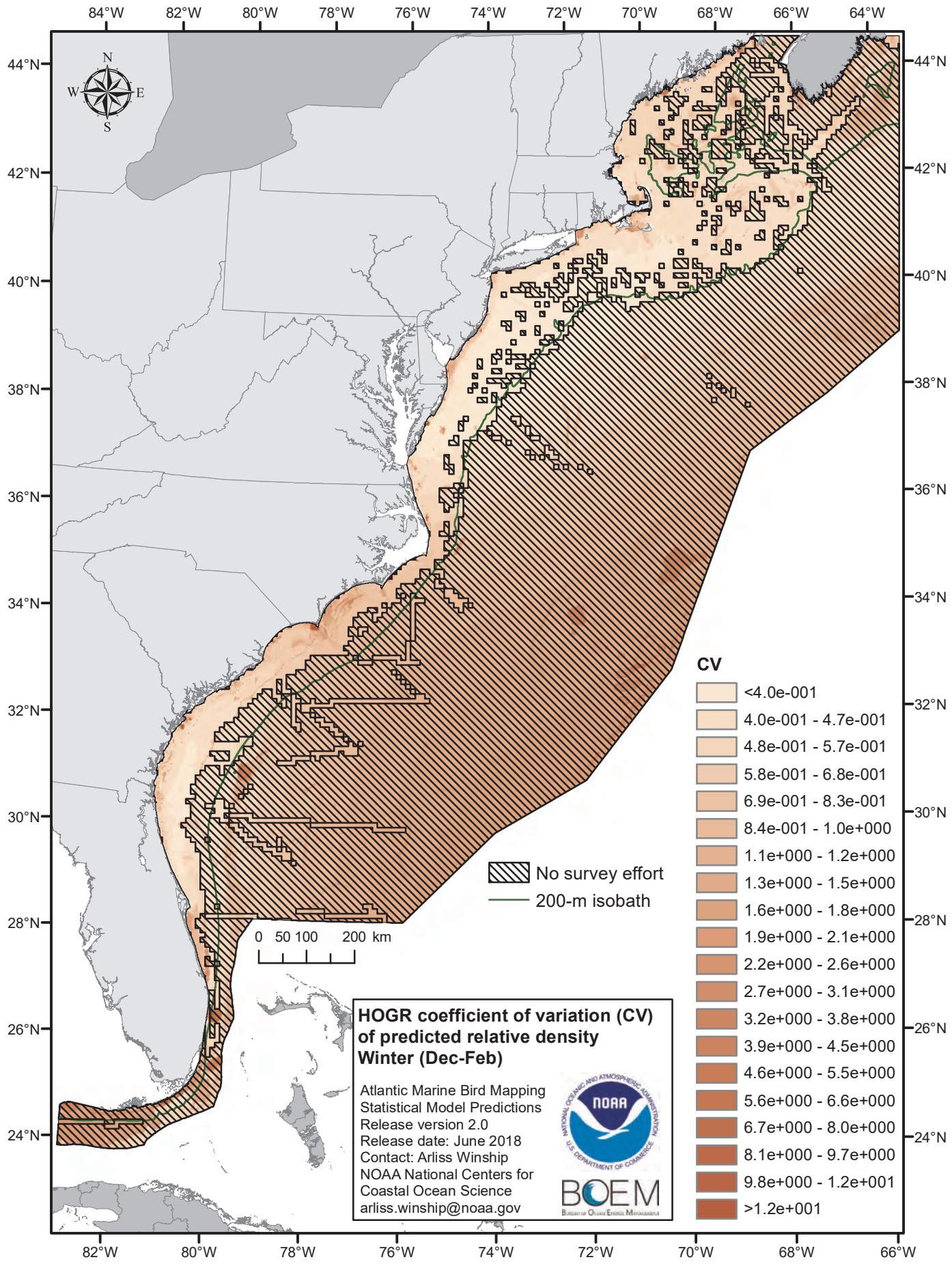
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<4.0e-001
4.0e-001 - 4.7e-001
4.8e-001 - 5.7e-001
5.8e-001 - 6.8e-001
6.9e-001 - 8.3e-001
8.4e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.1e+000
3.2e+000 - 3.8e+000
3.9e+000 - 4.5e+000
4.6e+000 - 5.5e+000
5.6e+000 - 6.6e+000
6.7e+000 - 8.0e+000
8.1e+000 - 9.7e+000
9.8e+000 - 1.2e+001
>1.2e+001
HOGR coefficient of variation (CV) of predicted relative density
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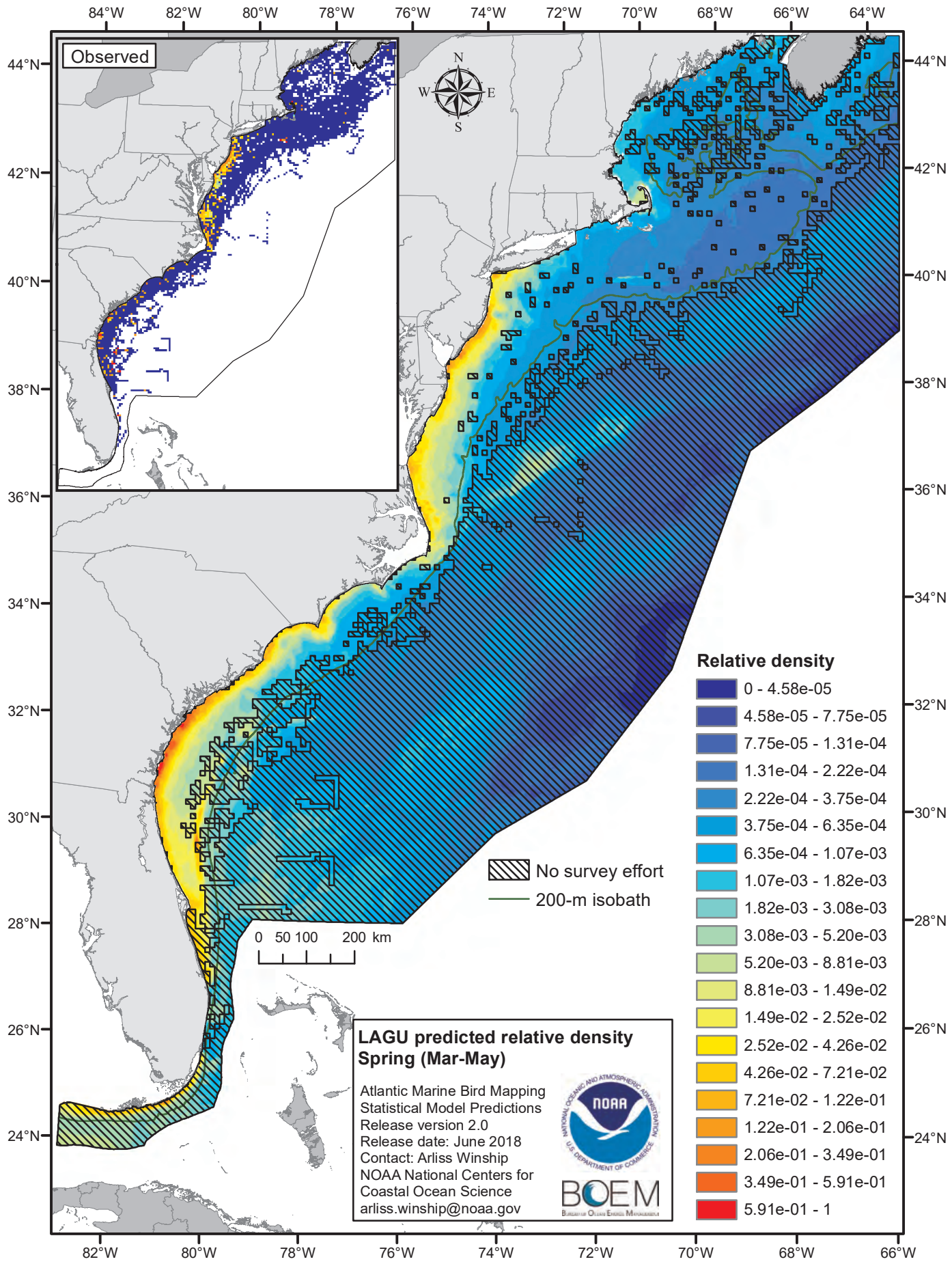
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
Relative density
0 - 4.58e-05
4.58e-05 - 7.75e-05
7.75e-05 - 1.31e-04
1.31e-04 - 2.22e-04
2.22e-04 - 3.75e-04
3.75e-04 - 6.35e-04
6.35e-04 - 1.07e-03
1.07e-03 - 1.82e-03
1.82e-03 - 3.08e-03
3.08e-03 - 5.20e-03
5.20e-03 - 8.81e-03
8.81e-03 - 1.49e-02
1.49e-02 - 2.52e-02
2.52e-02 - 4.26e-02
4.26e-02 - 7.21e-02
7.21e-02 - 1.22e-01
1.22e-01 - 2.06e-01
2.06e-01 - 3.49e-01
3.49e-01 - 5.91e-01
5.91e-01 - 1
No survey effort
200-m isobath
0 50 100 200 km
LAGU predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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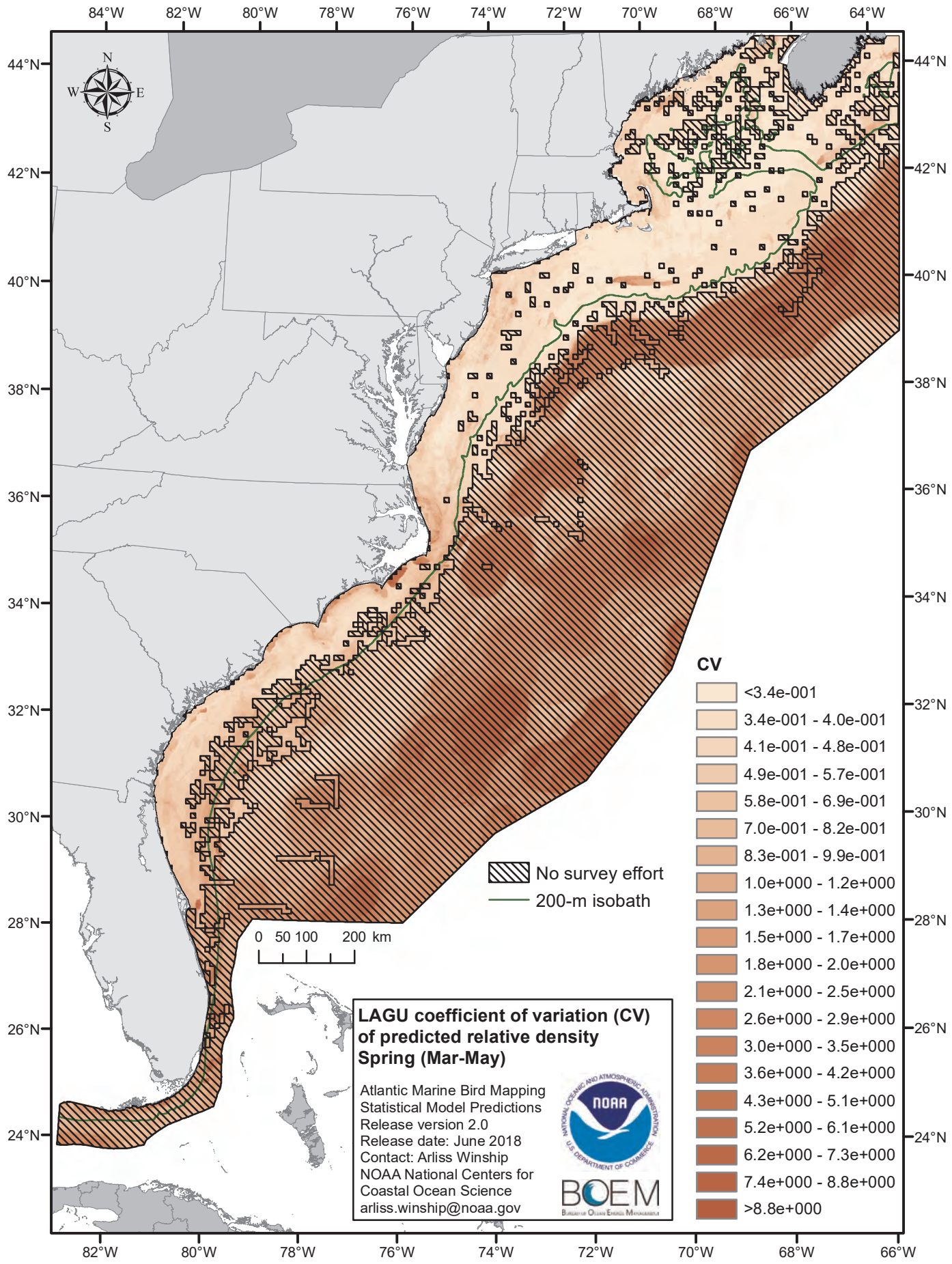
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.4e-001
3.4e-001 - 4.0e-001
4.1e-001 - 4.8e-001
4.9e-001 - 5.7e-001
5.8e-001 - 6.9e-001
7.0e-001 - 8.2e-001
8.3e-001 - 9.9e-001
1.0e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.2e+000
4.3e+000 - 5.1e+000
5.2e+000 - 6.1e+000
6.2e+000 - 7.3e+000
7.4e+000 - 8.8e+000
>8.8e+000
LAGU coefficient of variation (CV) of predicted relative density
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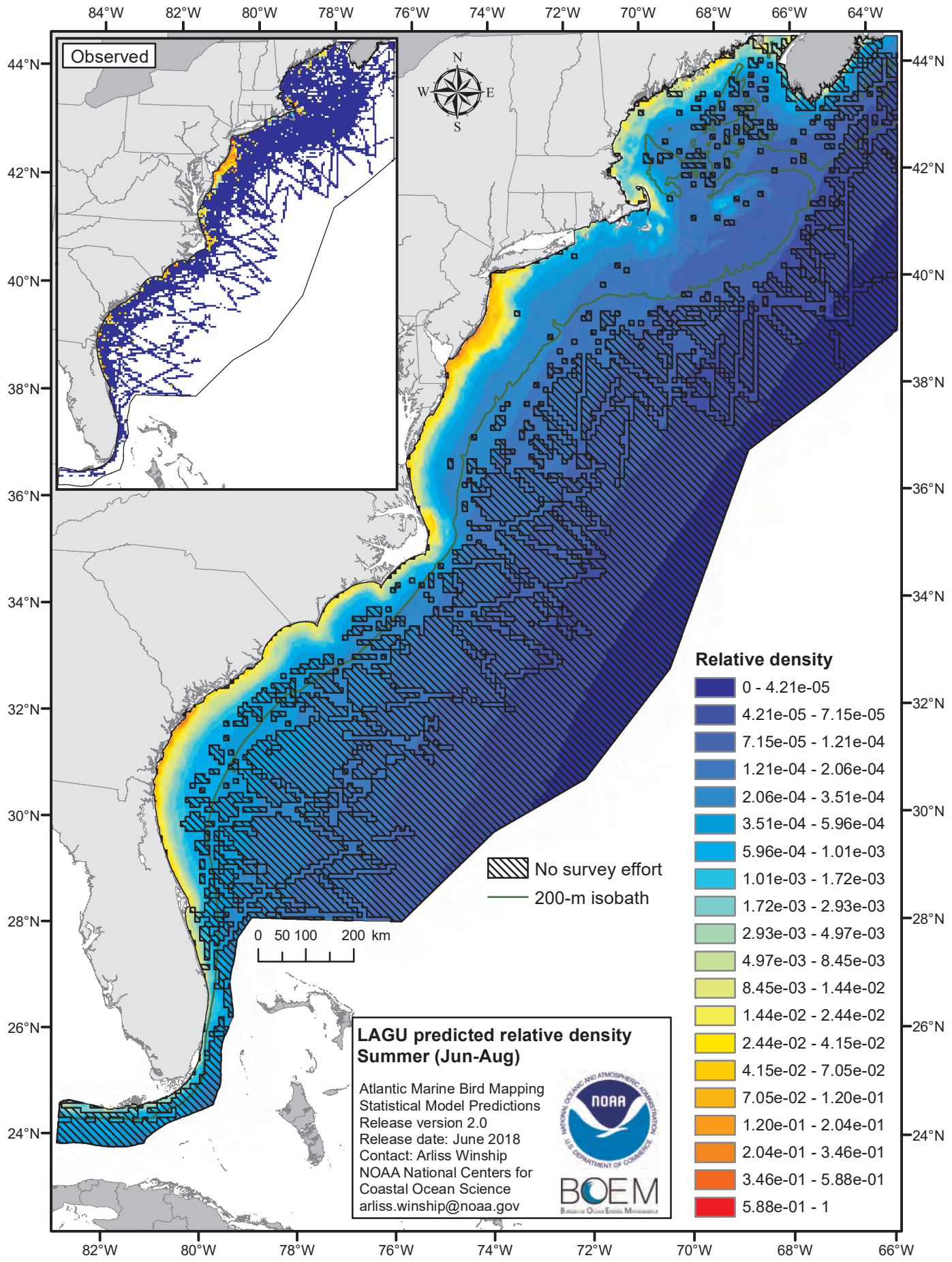
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.21e-05
4.21e-05 - 7.15e-05
7.15e-05 - 1.21e-04
1.21e-04 - 2.06e-04
2.06e-04 - 3.51e-04
3.51e-04 - 5.96e-04
5.96e-04 - 1.01e-03
1.01e-03 - 1.72e-03
1.72e-03 - 2.93e-03
2.93e-03 - 4.97e-03
4.97e-03 - 8.45e-03
8.45e-03 - 1.44e-02
1.44e-02 - 2.44e-02
2.44e-02 - 4.15e-02
4.15e-02 - 7.05e-02
7.05e-02 - 1.20e-01
1.20e-01 - 2.04e-01
2.04e-01 - 3.46e-01
3.46e-01 - 5.88e-01
5.88e-01 - 1
LAGU predicted relative density
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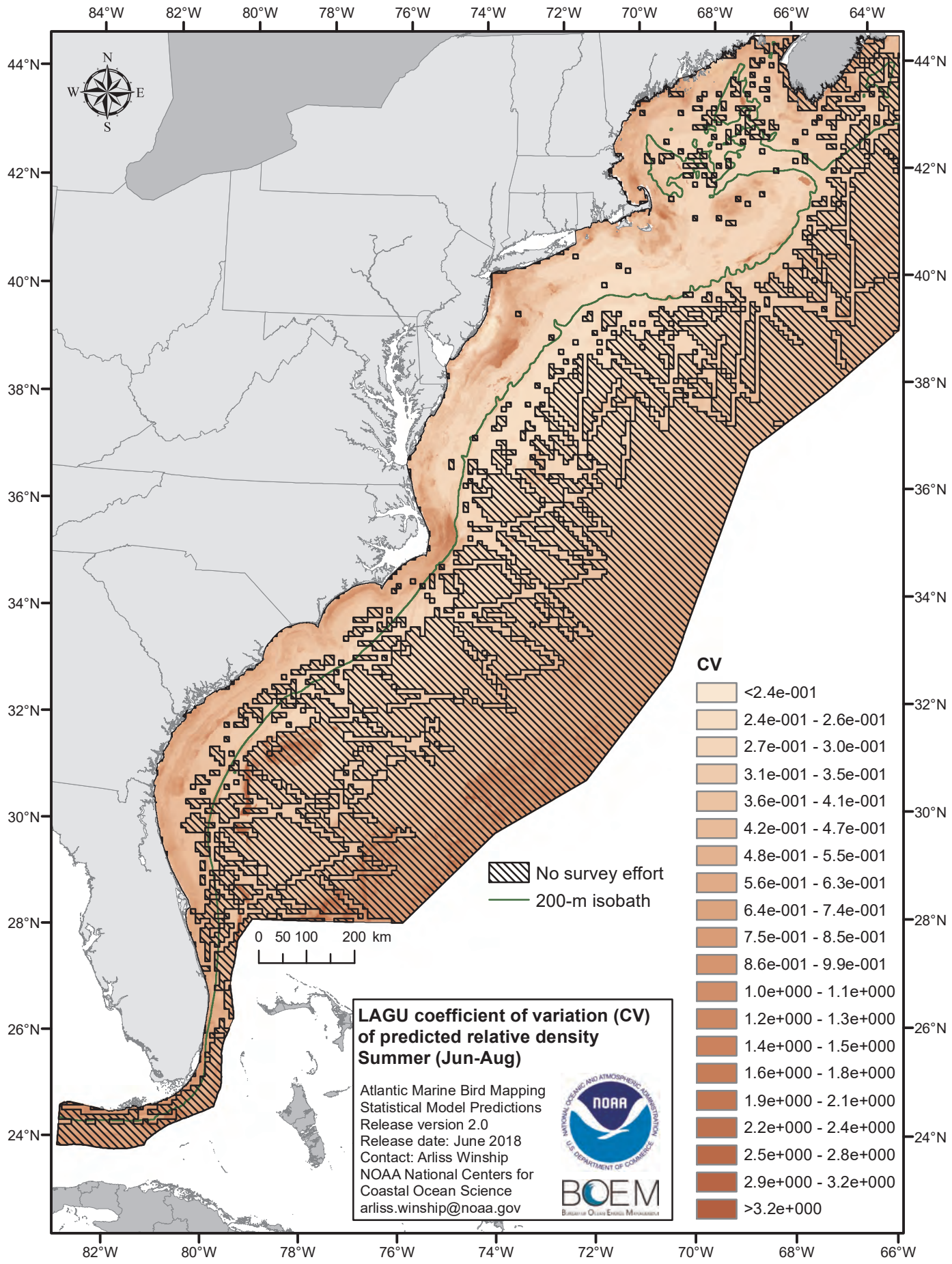
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.4e-001
2.4e-001 - 2.6e-001
2.7e-001 - 3.0e-001
3.1e-001 - 3.5e-001
3.6e-001 - 4.1e-001
4.2e-001 - 4.7e-001
4.8e-001 - 5.5e-001
5.6e-001 - 6.3e-001
6.4e-001 - 7.4e-001
7.5e-001 - 8.5e-001
8.6e-001 - 9.9e-001
1.0e+000 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.2e+000
>3.2e+000
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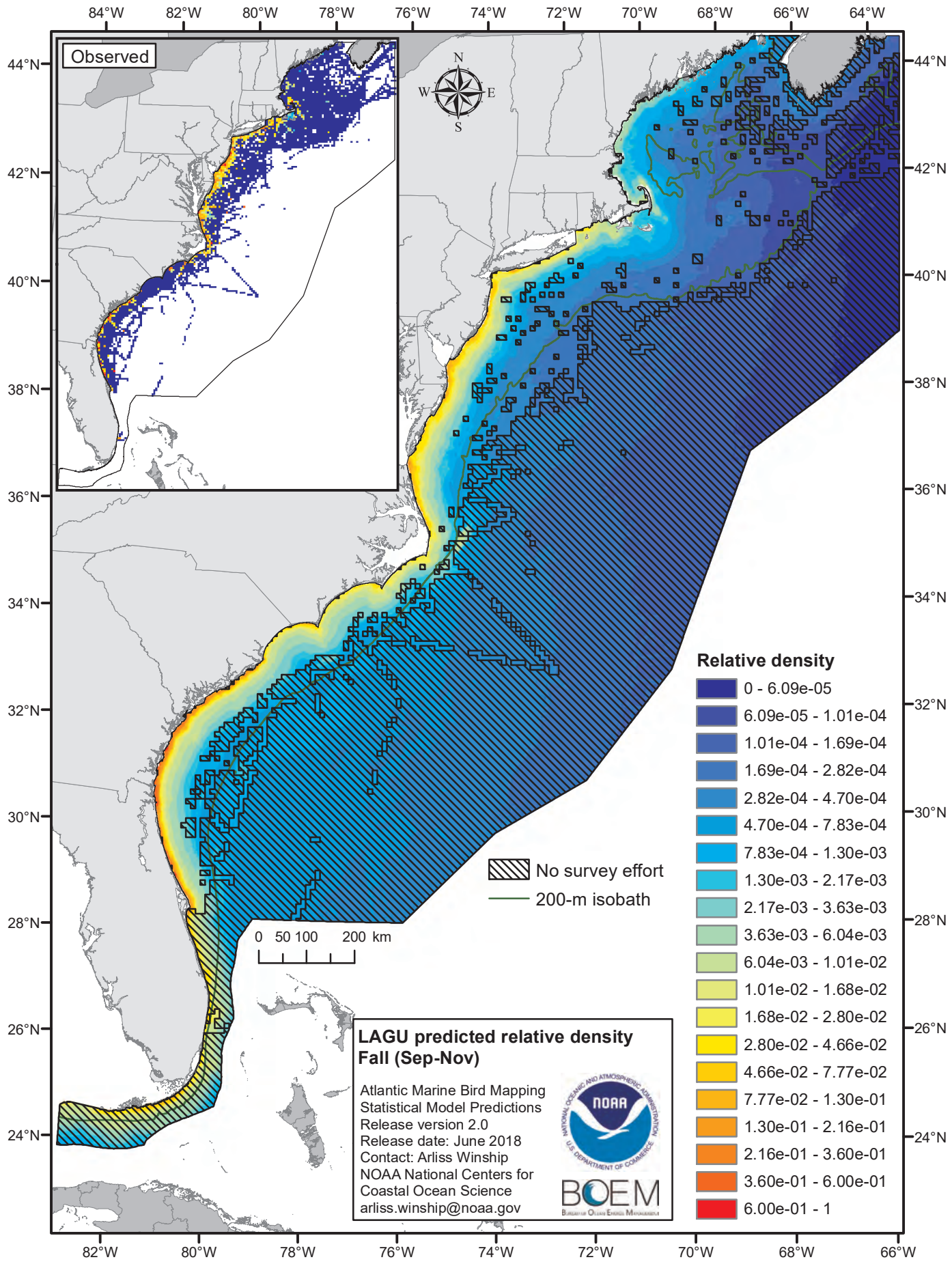
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.09e-05
6.09e-05 - 1.01e-04
1.01e-04 - 1.69e-04
1.69e-04 - 2.82e-04
2.82e-04 - 4.70e-04
4.70e-04 - 7.83e-04
7.83e-04 - 1.30e-03
1.30e-03 - 2.17e-03
2.17e-03 - 3.63e-03
3.63e-03 - 6.04e-03
6.04e-03 - 1.01e-02
1.01e-02 - 1.68e-02
1.68e-02 - 2.80e-02
2.80e-02 - 4.66e-02
4.66e-02 - 7.77e-02
7.77e-02 - 1.30e-01
1.30e-01 - 2.16e-01
2.16e-01 - 3.60e-01
3.60e-01 - 6.00e-01
6.00e-01 - 1
LAGU predicted relative density
Fall (Sep-Nov)
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Statistical Model Predictions
Release version 2.0
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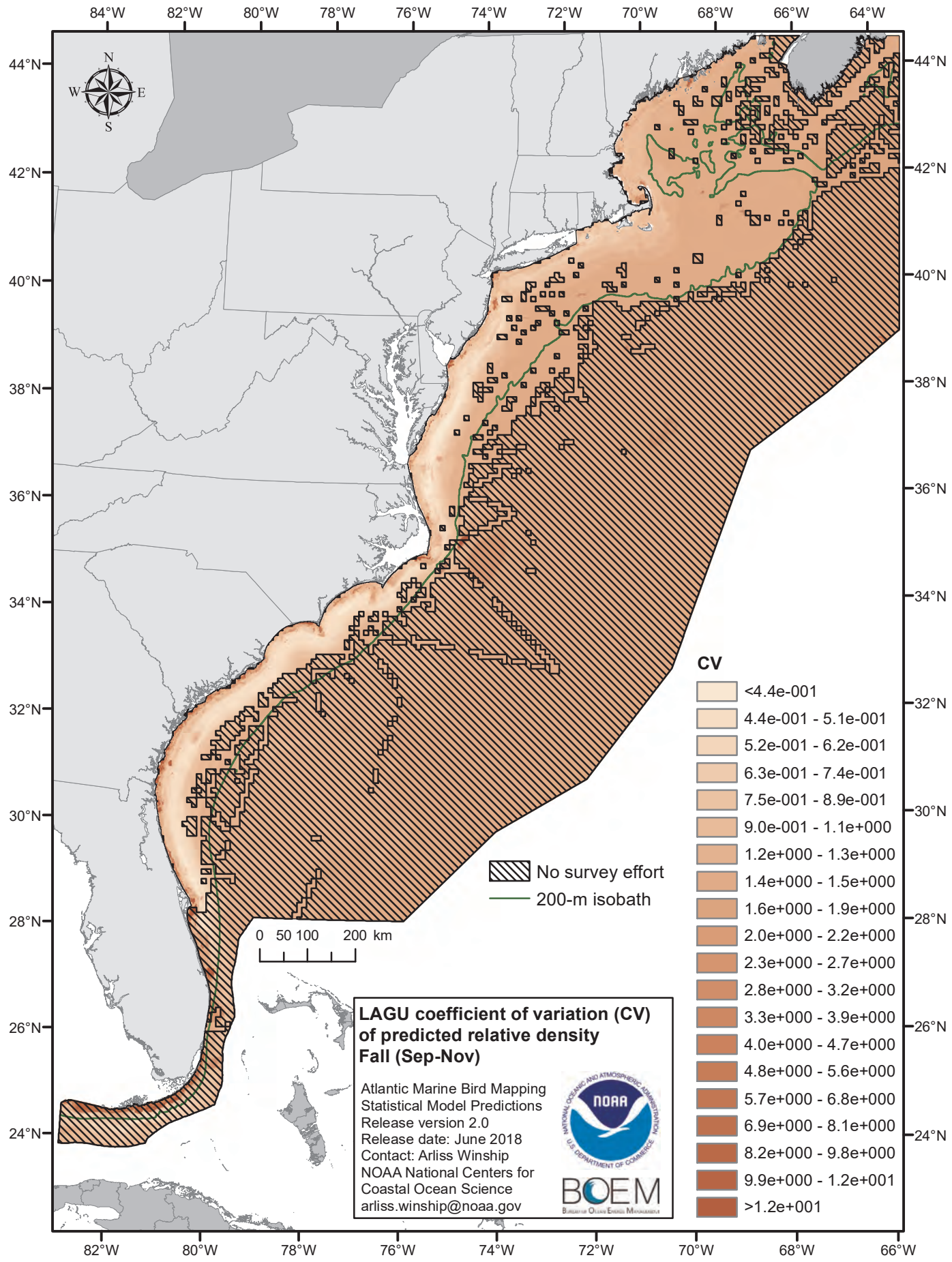
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.4e-001
4.4e-001 - 5.1e-001
5.2e-001 - 6.2e-001
6.3e-001 - 7.4e-001
7.5e-001 - 8.9e-001
9.0e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.9e+000
4.0e+000 - 4.7e+000
4.8e+000 - 5.6e+000
5.7e+000 - 6.8e+000
6.9e+000 - 8.1e+000
8.2e+000 - 9.8e+000
9.9e+000 - 1.2e+001
>1.2e+001
LAGU coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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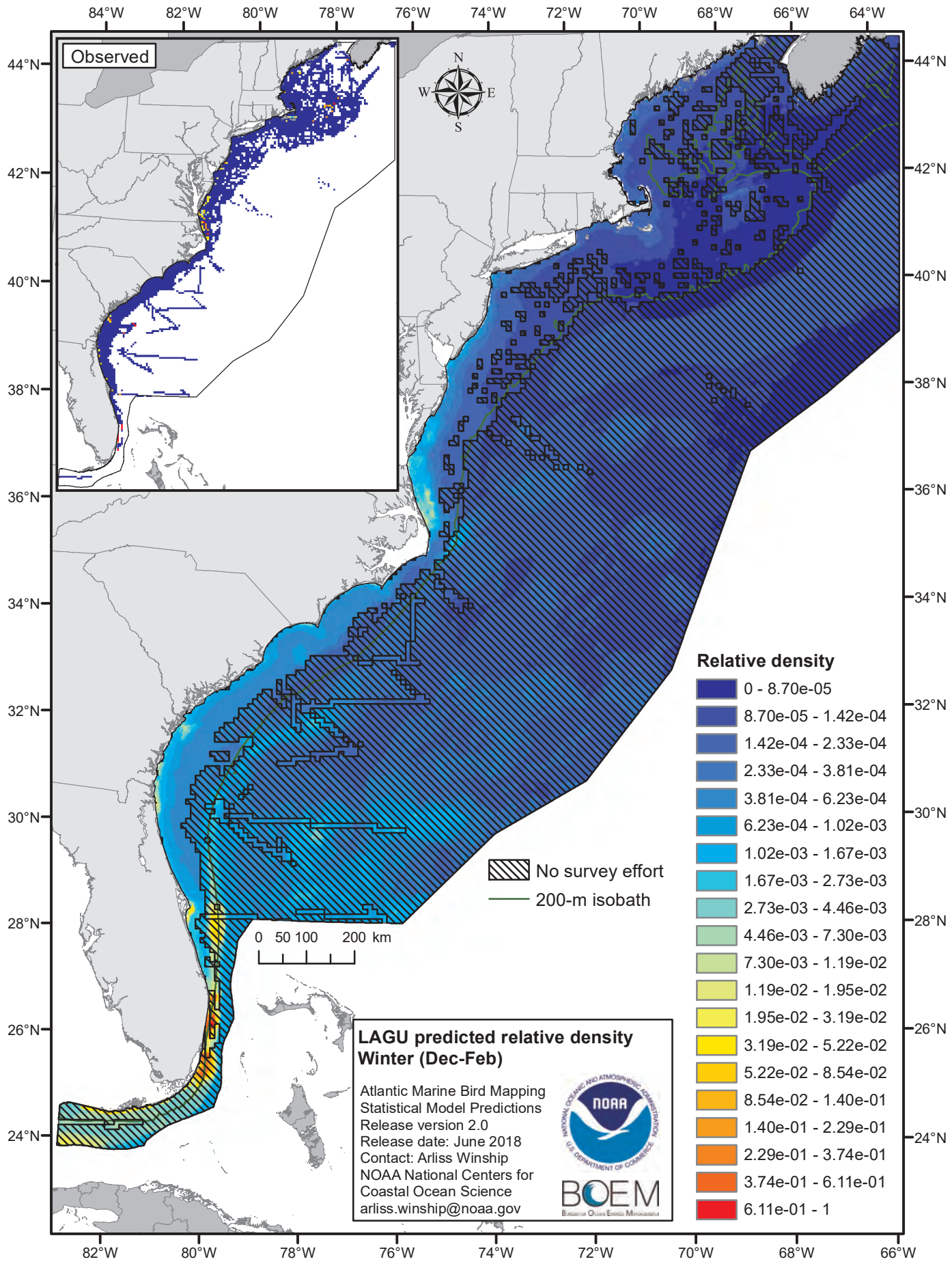
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
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66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 8.70e-05
8.70e-05 - 1.42e-04
1.42e-04 - 2.33e-04
2.33e-04 - 3.81e-04
3.81e-04 - 6.23e-04
6.23e-04 - 1.02e-03
1.02e-03 - 1.67e-03
1.67e-03 - 2.73e-03
2.73e-03 - 4.46e-03
4.46e-03 - 7.30e-03
7.30e-03 - 1.19e-02
1.19e-02 - 1.95e-02
1.95e-02 - 3.19e-02
3.19e-02 - 5.22e-02
5.22e-02 - 8.54e-02
8.54e-02 - 1.40e-01
1.40e-01 - 2.29e-01
2.29e-01 - 3.74e-01
3.74e-01 - 6.11e-01
6.11e-01 - 1
LAGU predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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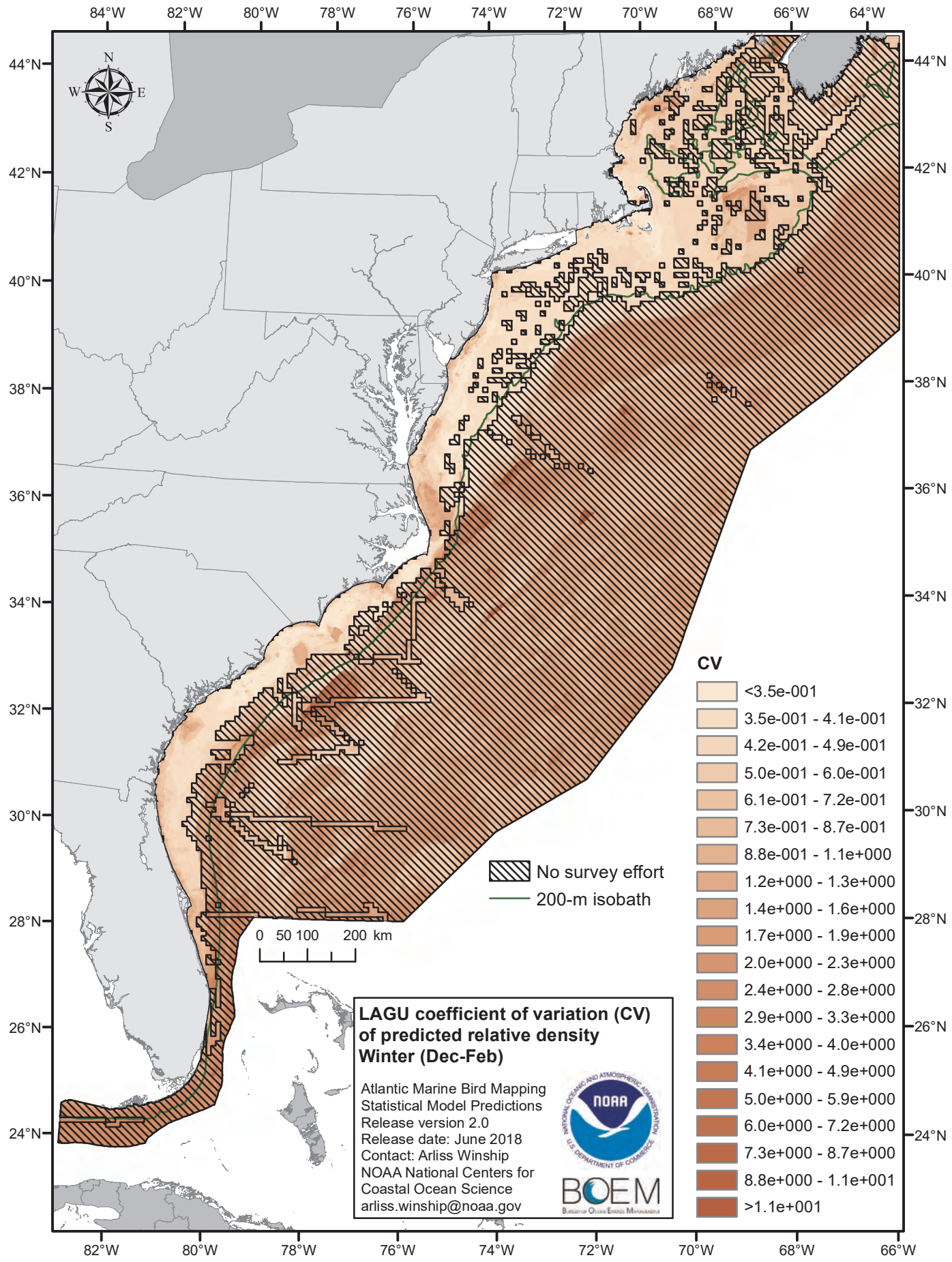
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.5e-001
3.5e-001 - 4.1e-001
4.2e-001 - 4.9e-001
5.0e-001 - 6.0e-001
6.1e-001 - 7.2e-001
7.3e-001 - 8.7e-001
8.8e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 5.9e+000
6.0e+000 - 7.2e+000
7.3e+000 - 8.7e+000
8.8e+000 - 1.1e+001
>1.1e+001
LAGU coefficient of variation (CV) of predicted relative density
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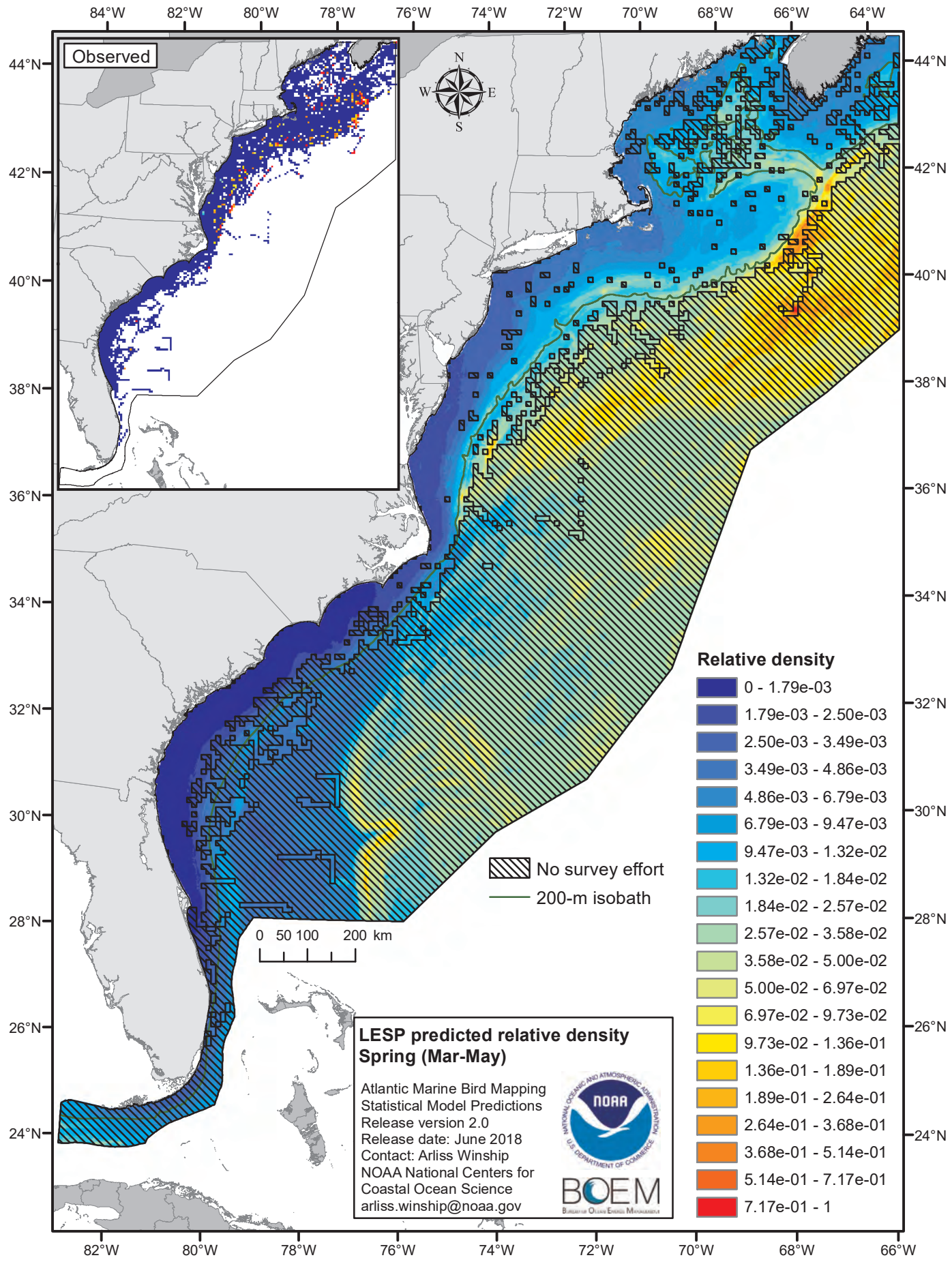
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.79e-03
1.79e-03 - 2.50e-03
2.50e-03 - 3.49e-03
3.49e-03 - 4.86e-03
4.86e-03 - 6.79e-03
6.79e-03 - 9.47e-03
9.47e-03 - 1.32e-02
1.32e-02 - 1.84e-02
1.84e-02 - 2.57e-02
2.57e-02 - 3.58e-02
3.58e-02 - 5.00e-02
5.00e-02 - 6.97e-02
6.97e-02 - 9.73e-02
9.73e-02 - 1.36e-01
1.36e-01 - 1.89e-01
1.89e-01 - 2.64e-01
2.64e-01 - 3.68e-01
3.68e-01 - 5.14e-01
5.14e-01 - 7.17e-01
7.17e-01 - 1
LESP predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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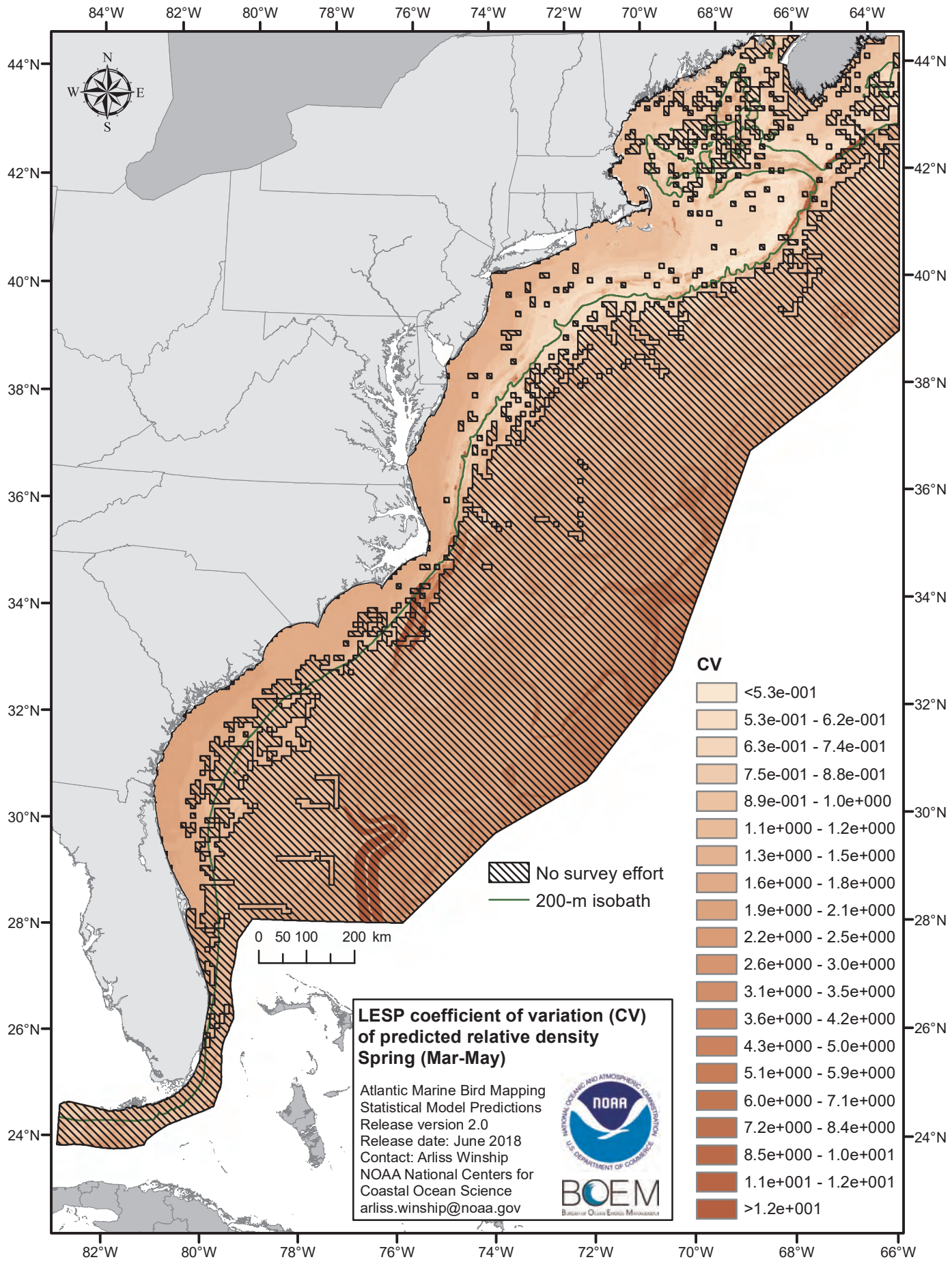
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.3e-001
5.3e-001 - 6.2e-001
6.3e-001 - 7.4e-001
7.5e-001 - 8.8e-001
8.9e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.5e+000
3.6e+000 - 4.2e+000
4.3e+000 - 5.0e+000
5.1e+000 - 5.9e+000
6.0e+000 - 7.1e+000
7.2e+000 - 8.4e+000
8.5e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
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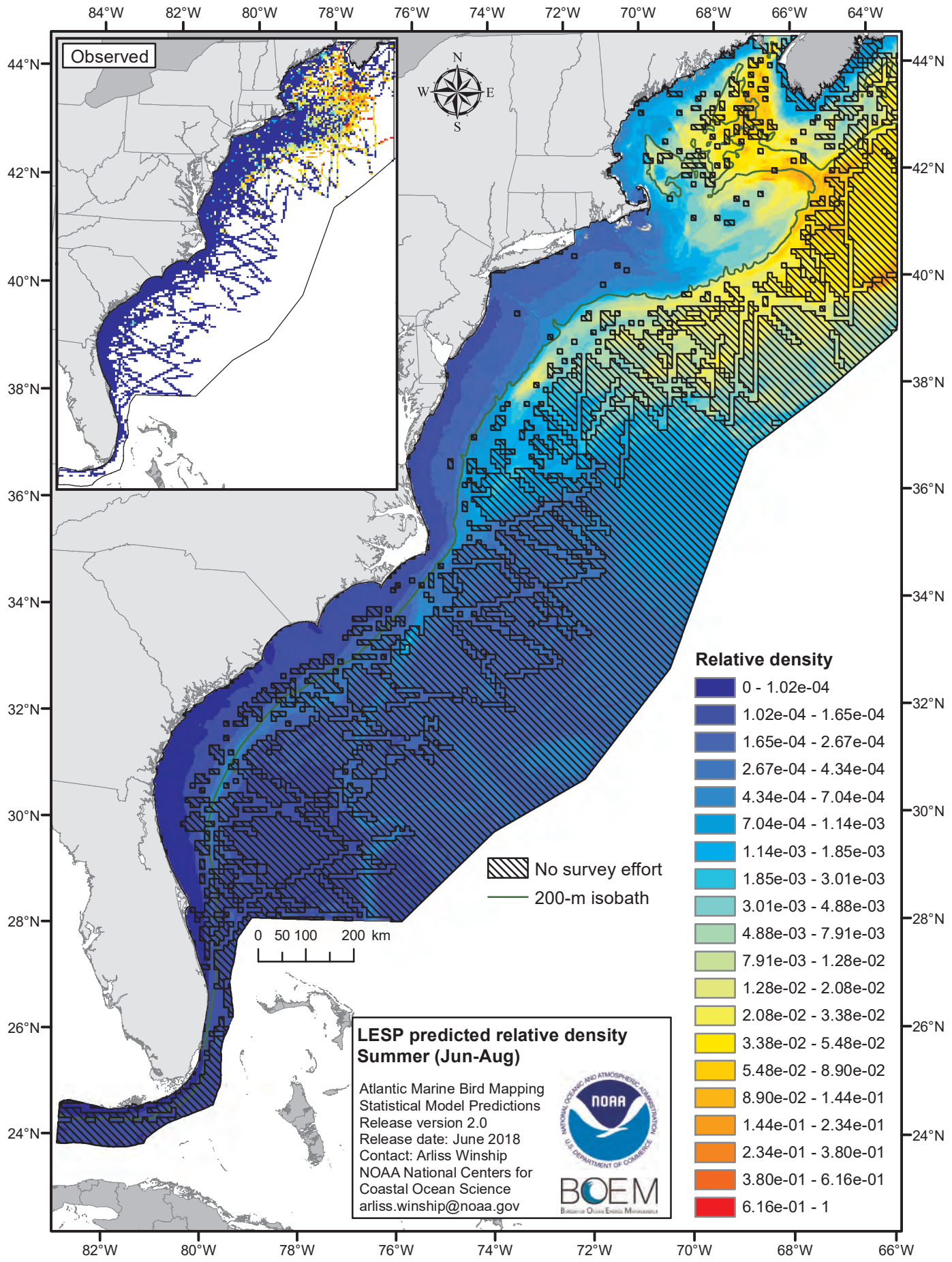
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.02e-04
1.02e-04 - 1.65e-04
1.65e-04 - 2.67e-04
2.67e-04 - 4.34e-04
4.34e-04 - 7.04e-04
7.04e-04 - 1.14e-03
1.14e-03 - 1.85e-03
1.85e-03 - 3.01e-03
3.01e-03 - 4.88e-03
4.88e-03 - 7.91e-03
7.91e-03 - 1.28e-02
1.28e-02 - 2.08e-02
2.08e-02 - 3.38e-02
3.38e-02 - 5.48e-02
5.48e-02 - 8.90e-02
8.90e-02 - 1.44e-01
1.44e-01 - 2.34e-01
2.34e-01 - 3.80e-01
3.80e-01 - 6.16e-01
6.16e-01 - 1
LESP predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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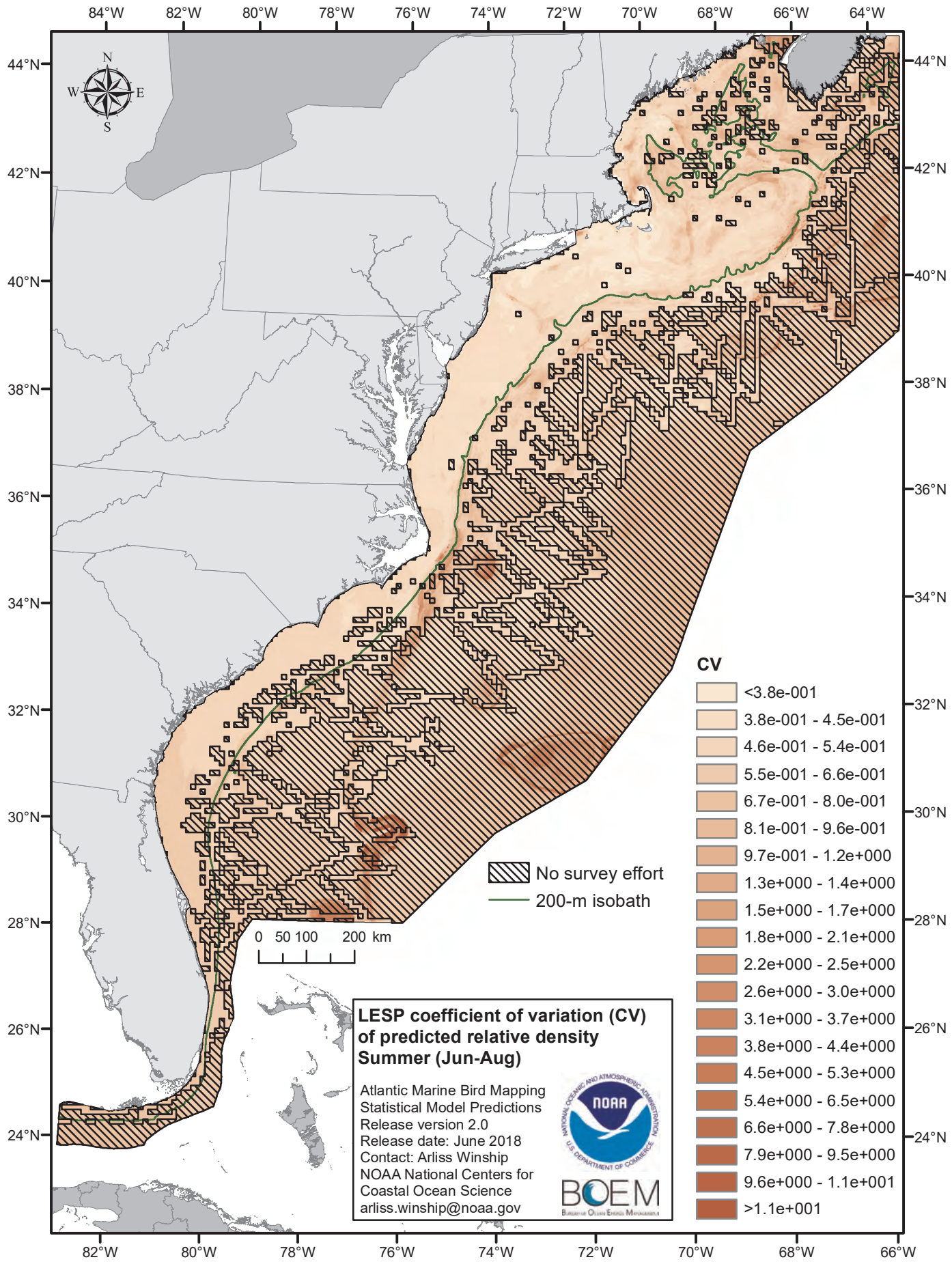
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.8e-001
3.8e-001 - 4.5e-001
4.6e-001 - 5.4e-001
5.5e-001 - 6.6e-001
6.7e-001 - 8.0e-001
8.1e-001 - 9.6e-001
9.7e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.4e+000
4.5e+000 - 5.3e+000
5.4e+000 - 6.5e+000
6.6e+000 - 7.8e+000
7.9e+000 - 9.5e+000
9.6e+000 - 1.1e+001
>1.1e+001
LESP coefficient of variation (CV) of predicted relative density
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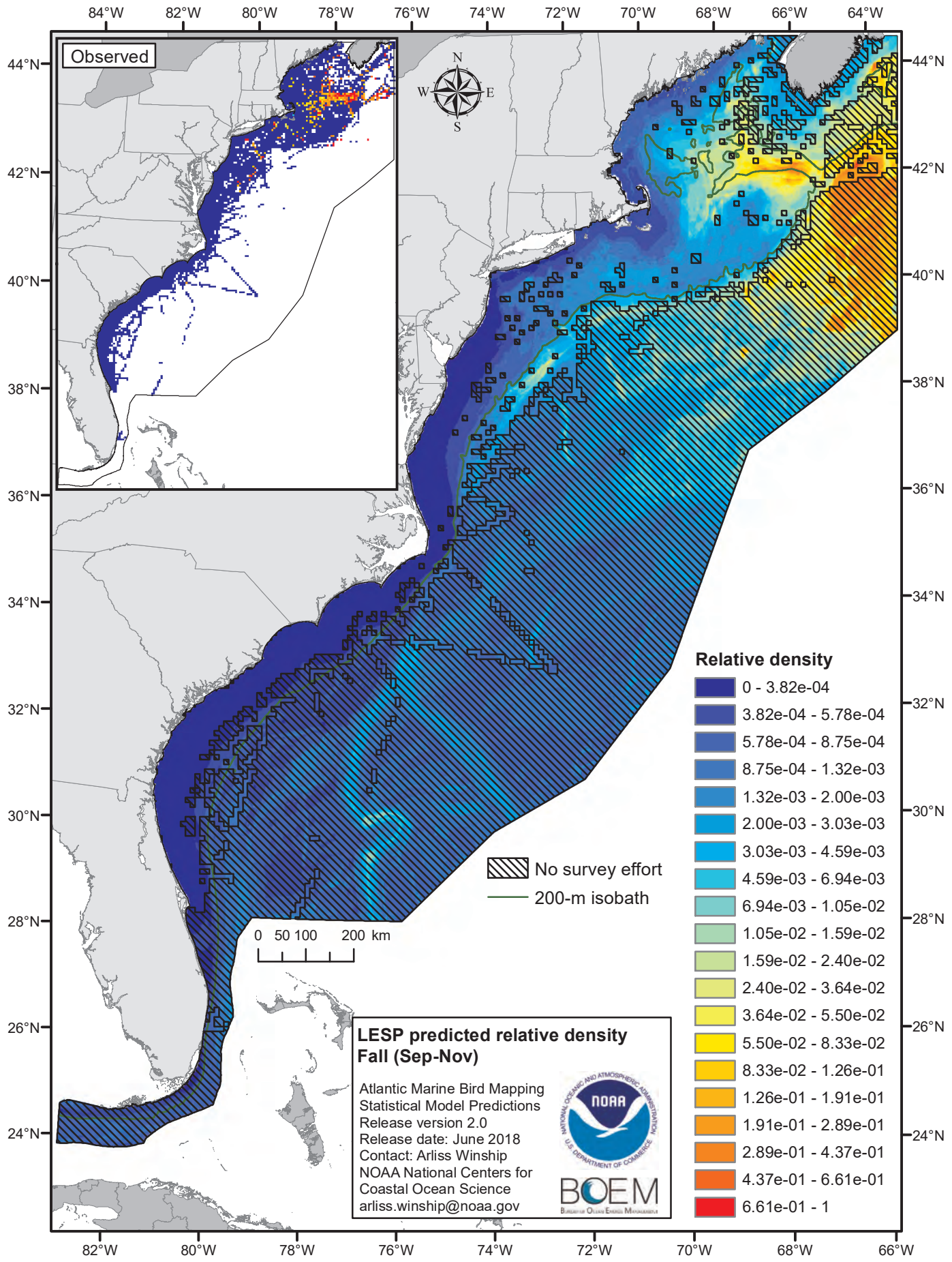
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.82e-04
3.82e-04 - 5.78e-04
5.78e-04 - 8.75e-04
8.75e-04 - 1.32e-03
1.32e-03 - 2.00e-03
2.00e-03 - 3.03e-03
3.03e-03 - 4.59e-03
4.59e-03 - 6.94e-03
6.94e-03 - 1.05e-02
1.05e-02 - 1.59e-02
1.59e-02 - 2.40e-02
2.40e-02 - 3.64e-02
3.64e-02 - 5.50e-02
5.50e-02 - 8.33e-02
8.33e-02 - 1.26e-01
1.26e-01 - 1.91e-01
1.91e-01 - 2.89e-01
2.89e-01 - 4.37e-01
4.37e-01 - 6.61e-01
6.61e-01 - 1
LESP predicted relative density
Fall (Sep-Nov)
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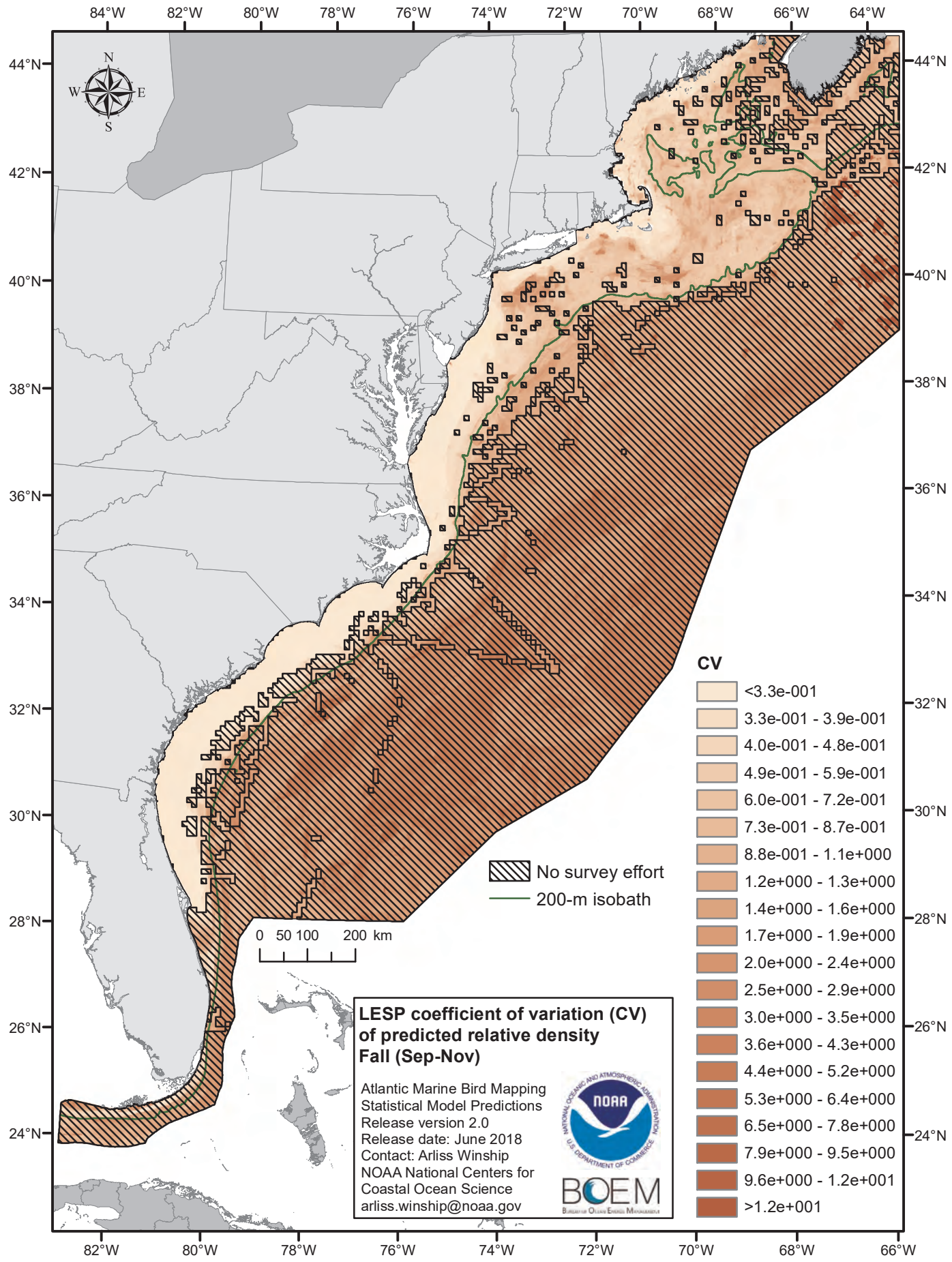
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.3e-001
3.3e-001 - 3.9e-001
4.0e-001 - 4.8e-001
4.9e-001 - 5.9e-001
6.0e-001 - 7.2e-001
7.3e-001 - 8.7e-001
8.8e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.3e+000
4.4e+000 - 5.2e+000
5.3e+000 - 6.4e+000
6.5e+000 - 7.8e+000
7.9e+000 - 9.5e+000
9.6e+000 - 1.2e+001
>1.2e+001
LESP coefficient of variation (CV) of predicted relative density
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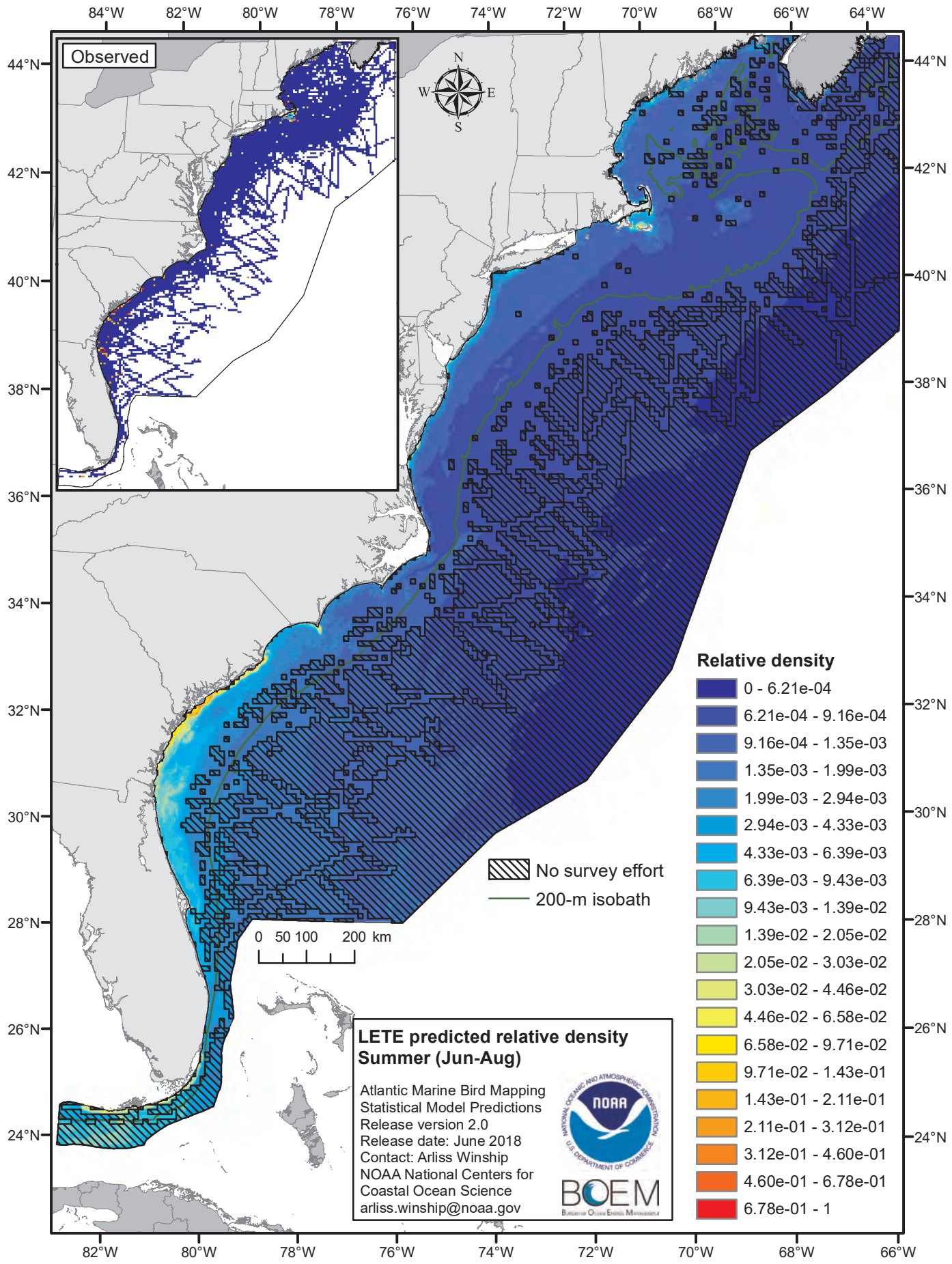
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.21e-04
6.21e-04 - 9.16e-04
9.16e-04 - 1.35e-03
1.35e-03 - 1.99e-03
1.99e-03 - 2.94e-03
2.94e-03 - 4.33e-03
4.33e-03 - 6.39e-03
6.39e-03 - 9.43e-03
9.43e-03 - 1.39e-02
1.39e-02 - 2.05e-02
2.05e-02 - 3.03e-02
3.03e-02 - 4.46e-02
4.46e-02 - 6.58e-02
6.58e-02 - 9.71e-02
9.71e-02 - 1.43e-01
1.43e-01 - 2.11e-01
2.11e-01 - 3.12e-01
3.12e-01 - 4.60e-01
4.60e-01 - 6.78e-01
6.78e-01 - 1
LETE predicted relative density
Summer (Jun-Aug)
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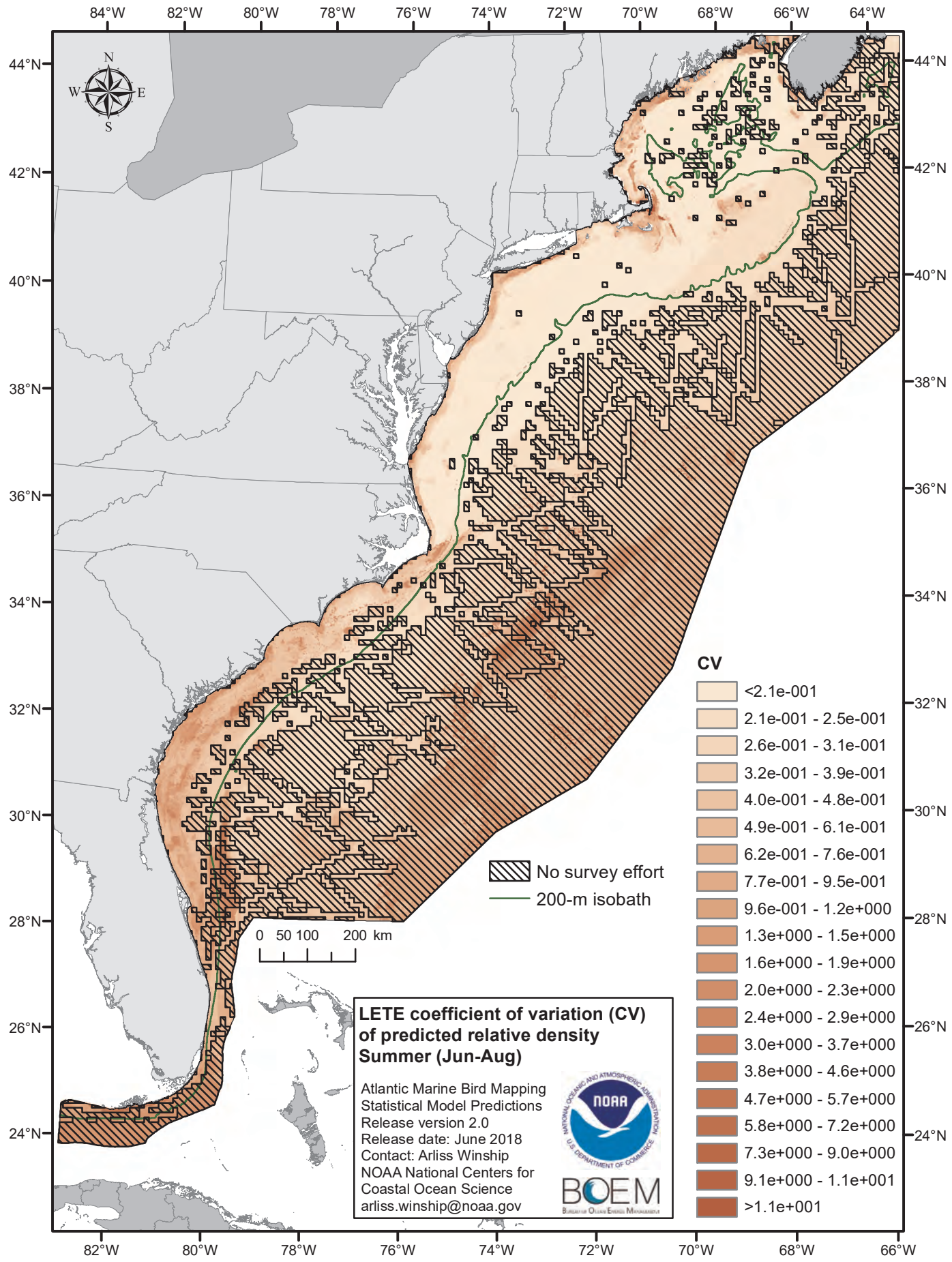
84°W
82°W
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76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
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40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.1e-001
2.1e-001 - 2.5e-001
2.6e-001 - 3.1e-001
3.2e-001 - 3.9e-001
4.0e-001 - 4.8e-001
4.9e-001 - 6.1e-001
6.2e-001 - 7.6e-001
7.7e-001 - 9.5e-001
9.6e-001 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.9e+000
3.0e+000 - 3.7e+000
3.8e+000 - 4.6e+000
4.7e+000 - 5.7e+000
5.8e+000 - 7.2e+000
7.3e+000 - 9.0e+000
9.1e+000 - 1.1e+001
>1.1e+001
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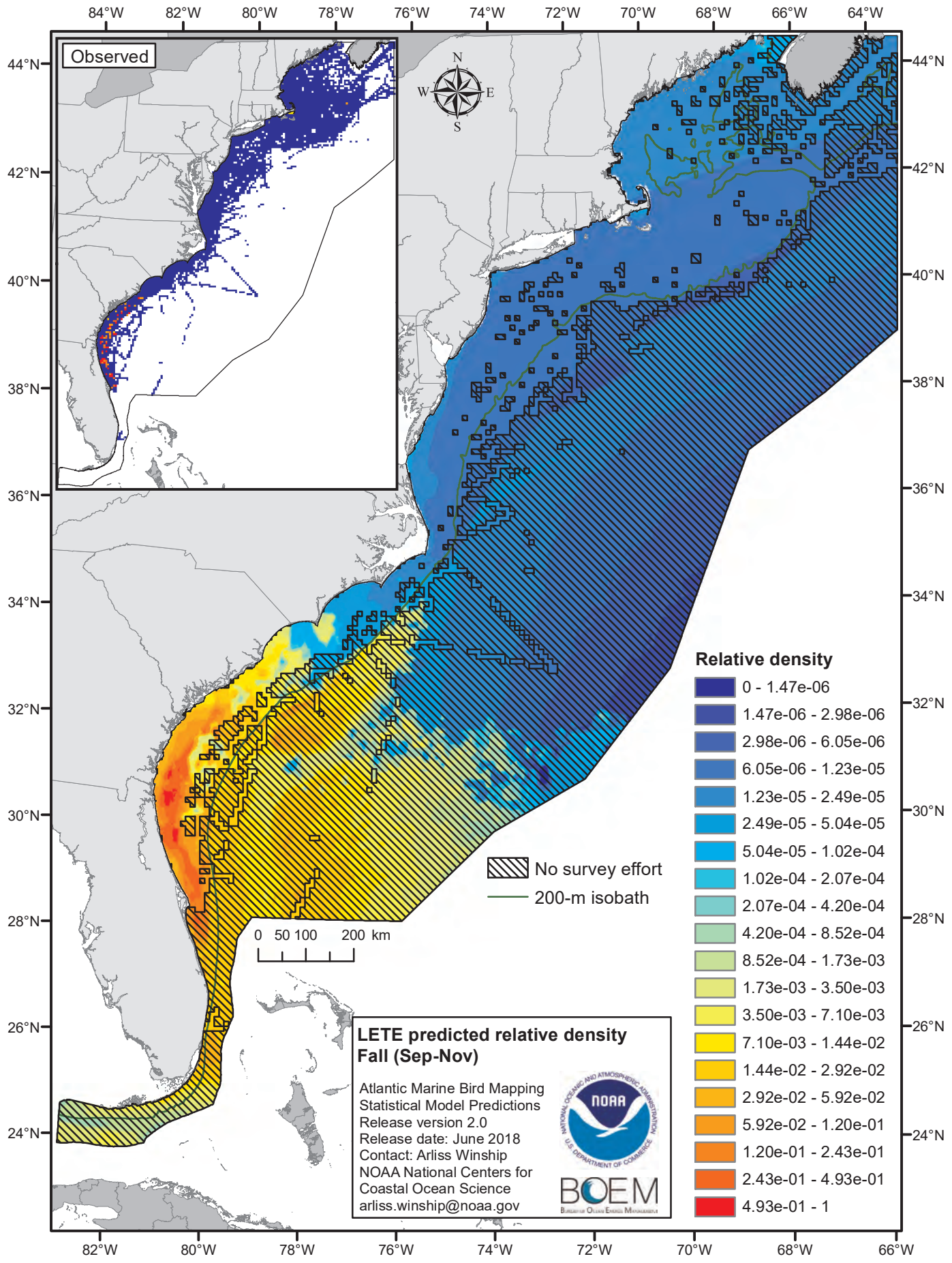
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.47e-06
1.47e-06 - 2.98e-06
2.98e-06 - 6.05e-06
6.05e-06 - 1.23e-05
1.23e-05 - 2.49e-05
2.49e-05 - 5.04e-05
5.04e-05 - 1.02e-04
1.02e-04 - 2.07e-04
2.07e-04 - 4.20e-04
4.20e-04 - 8.52e-04
8.52e-04 - 1.73e-03
1.73e-03 - 3.50e-03
3.50e-03 - 7.10e-03
7.10e-03 - 1.44e-02
1.44e-02 - 2.92e-02
2.92e-02 - 5.92e-02
5.92e-02 - 1.20e-01
1.20e-01 - 2.43e-01
2.43e-01 - 4.93e-01
4.93e-01 - 1
LETE predicted relative density
Fall (Sep-Nov)
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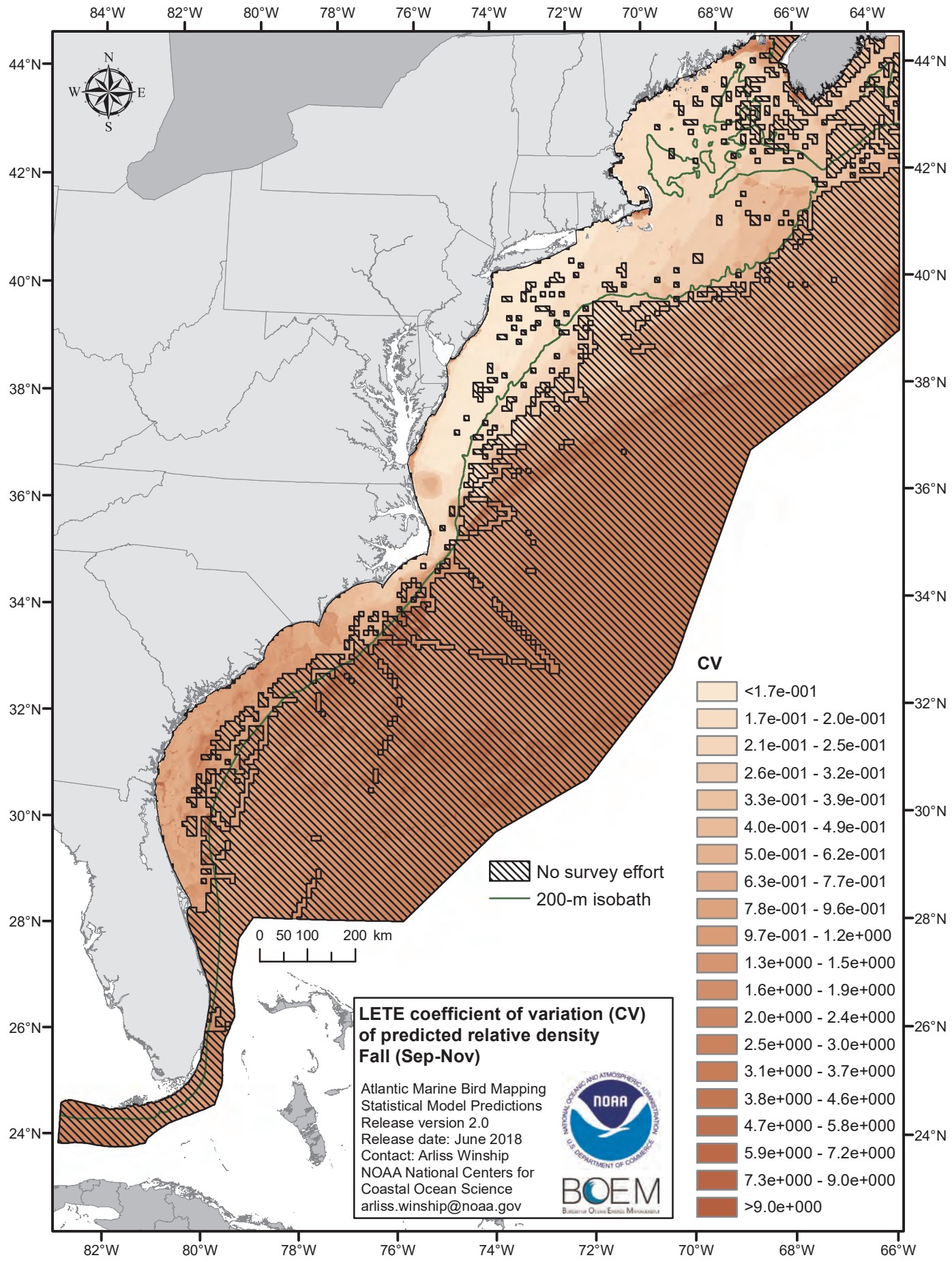
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.7e-001
1.7e-001 - 2.0e-001
2.1e-001 - 2.5e-001
2.6e-001 - 3.2e-001
3.3e-001 - 3.9e-001
4.0e-001 - 4.9e-001
5.0e-001 - 6.2e-001
6.3e-001 - 7.7e-001
7.8e-001 - 9.6e-001
9.7e-001 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.4e+000
2.5e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.6e+000
4.7e+000 - 5.8e+000
5.9e+000 - 7.2e+000
7.3e+000 - 9.0e+000
>9.0e+000
LETE coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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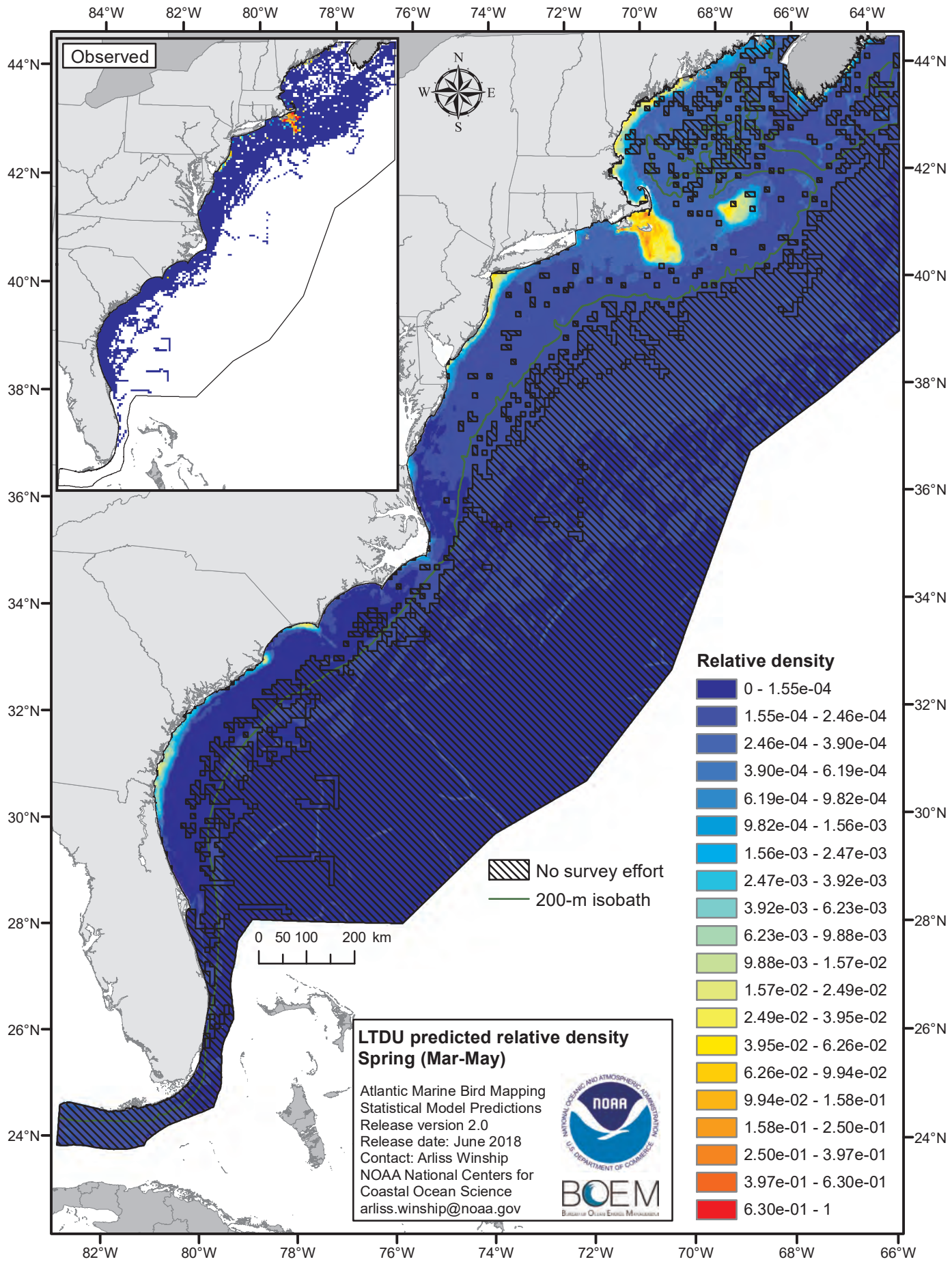
BOEM


Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.55e-04
1.55e-04 - 2.46e-04
2.46e-04 - 3.90e-04
3.90e-04 - 6.19e-04
6.19e-04 - 9.82e-04
9.82e-04 - 1.56e-03
1.56e-03 - 2.47e-03
2.47e-03 - 3.92e-03
3.92e-03 - 6.23e-03
6.23e-03 - 9.88e-03
9.88e-03 - 1.57e-02
1.57e-02 - 2.49e-02
2.49e-02 - 3.95e-02
3.95e-02 - 6.26e-02
6.26e-02 - 9.94e-02
9.94e-02 - 1.58e-01
1.58e-01 - 2.50e-01
2.50e-01 - 3.97e-01
3.97e-01 - 6.30e-01
6.30e-01 - 1
LTDU predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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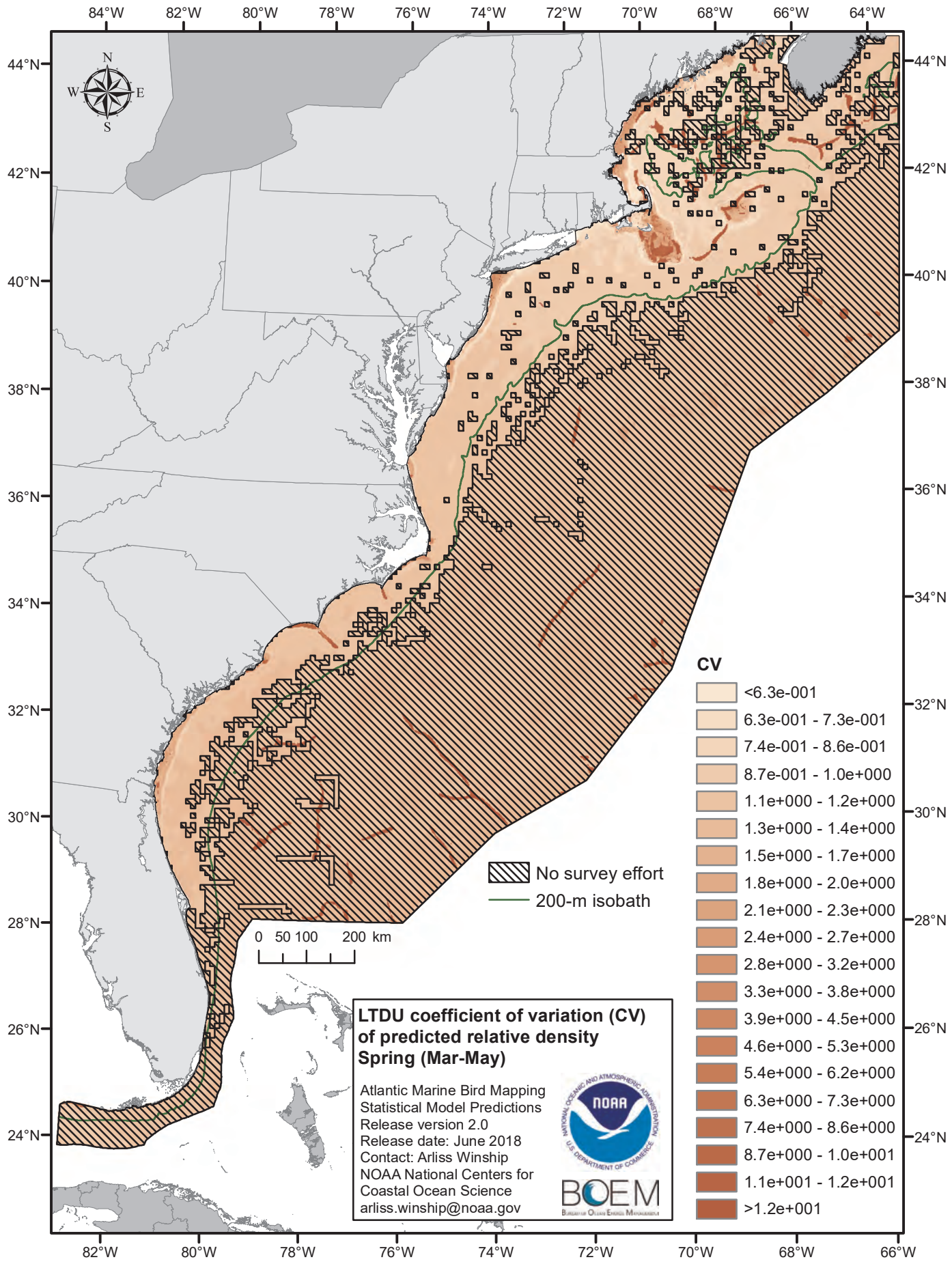
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<6.3e-001
6.3e-001 - 7.3e-001
7.4e-001 - 8.6e-001
8.7e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.8e+000
3.9e+000 - 4.5e+000
4.6e+000 - 5.3e+000
5.4e+000 - 6.2e+000
6.3e+000 - 7.3e+000
7.4e+000 - 8.6e+000
8.7e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
LTDU coefficient of variation (CV) of predicted relative density
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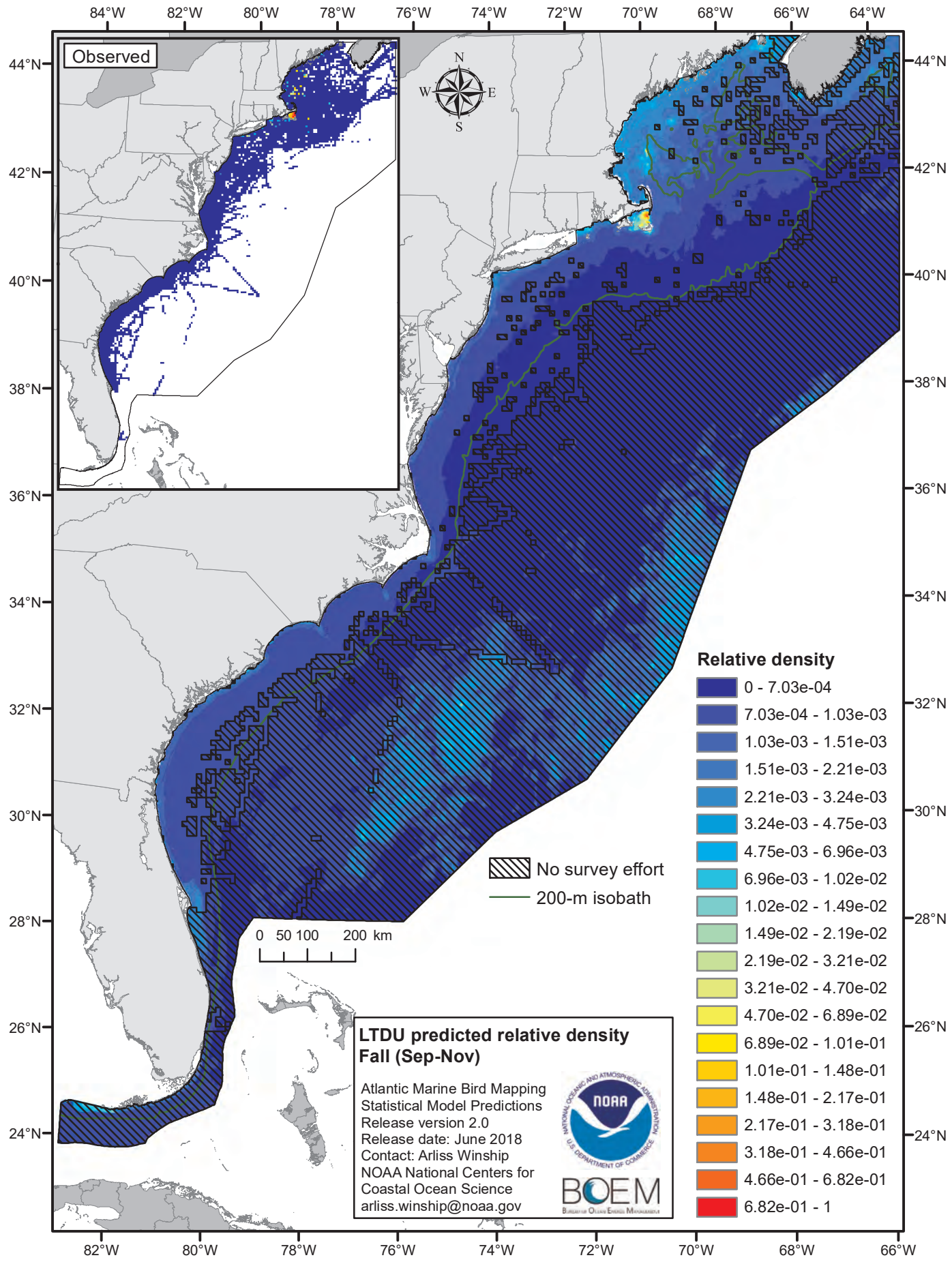
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 7.03e-04
7.03e-04 - 1.03e-03
1.03e-03 - 1.51e-03
1.51e-03 - 2.21e-03
2.21e-03 - 3.24e-03
3.24e-03 - 4.75e-03
4.75e-03 - 6.96e-03
6.96e-03 - 1.02e-02
1.02e-02 - 1.49e-02
1.49e-02 - 2.19e-02
2.19e-02 - 3.21e-02
3.21e-02 - 4.70e-02
4.70e-02 - 6.89e-02
6.89e-02 - 1.01e-01
1.01e-01 - 1.48e-01
1.48e-01 - 2.17e-01
2.17e-01 - 3.18e-01
3.18e-01 - 4.66e-01
4.66e-01 - 6.82e-01
6.82e-01 - 1
LTDU predicted relative density
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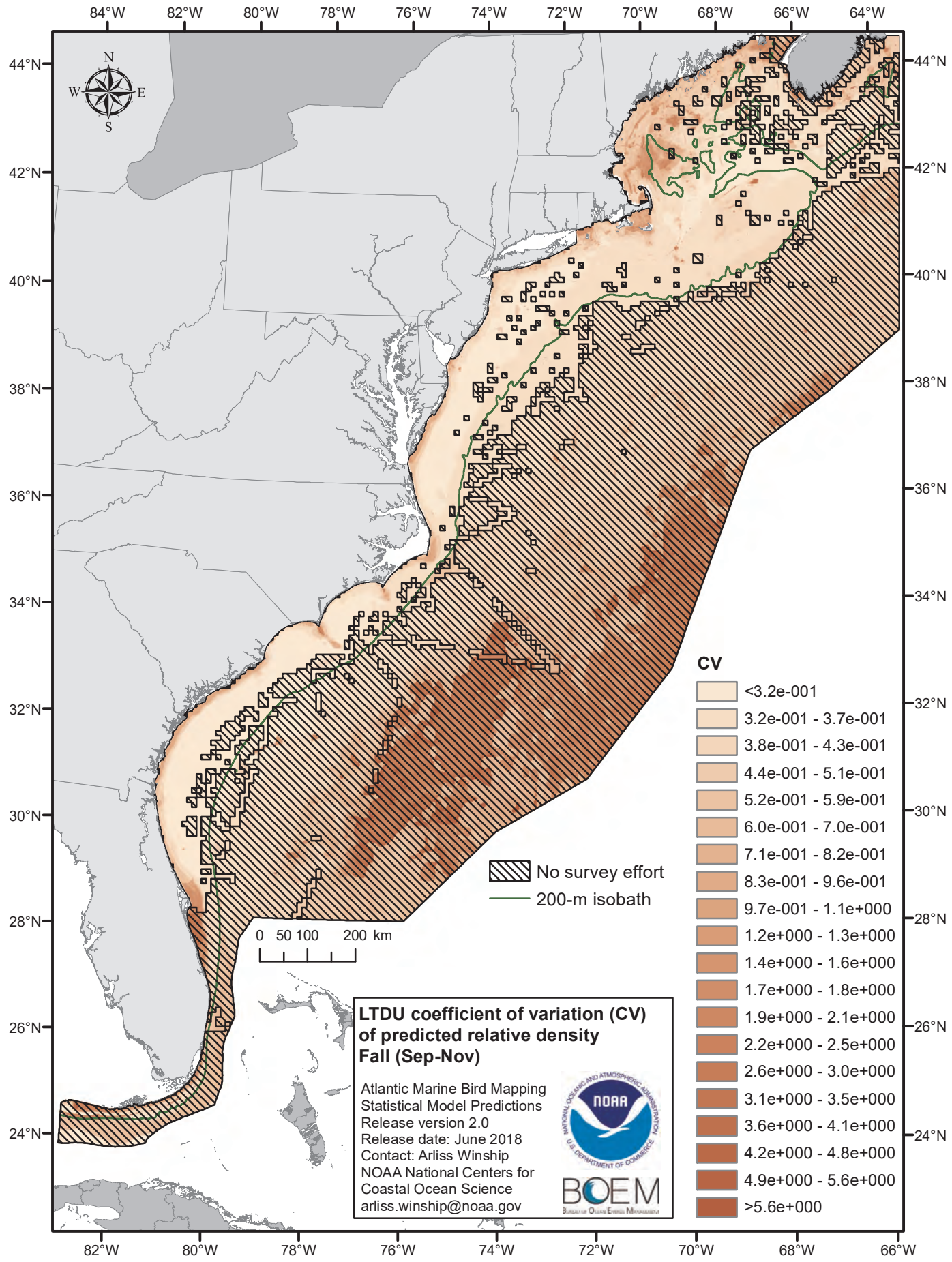
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.2e-001
3.2e-001 - 3.7e-001
3.8e-001 - 4.3e-001
4.4e-001 - 5.1e-001
5.2e-001 - 5.9e-001
6.0e-001 - 7.0e-001
7.1e-001 - 8.2e-001
8.3e-001 - 9.6e-001
9.7e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.5e+000
3.6e+000 - 4.1e+000
4.2e+000 - 4.8e+000
4.9e+000 - 5.6e+000
>5.6e+000
LTDU coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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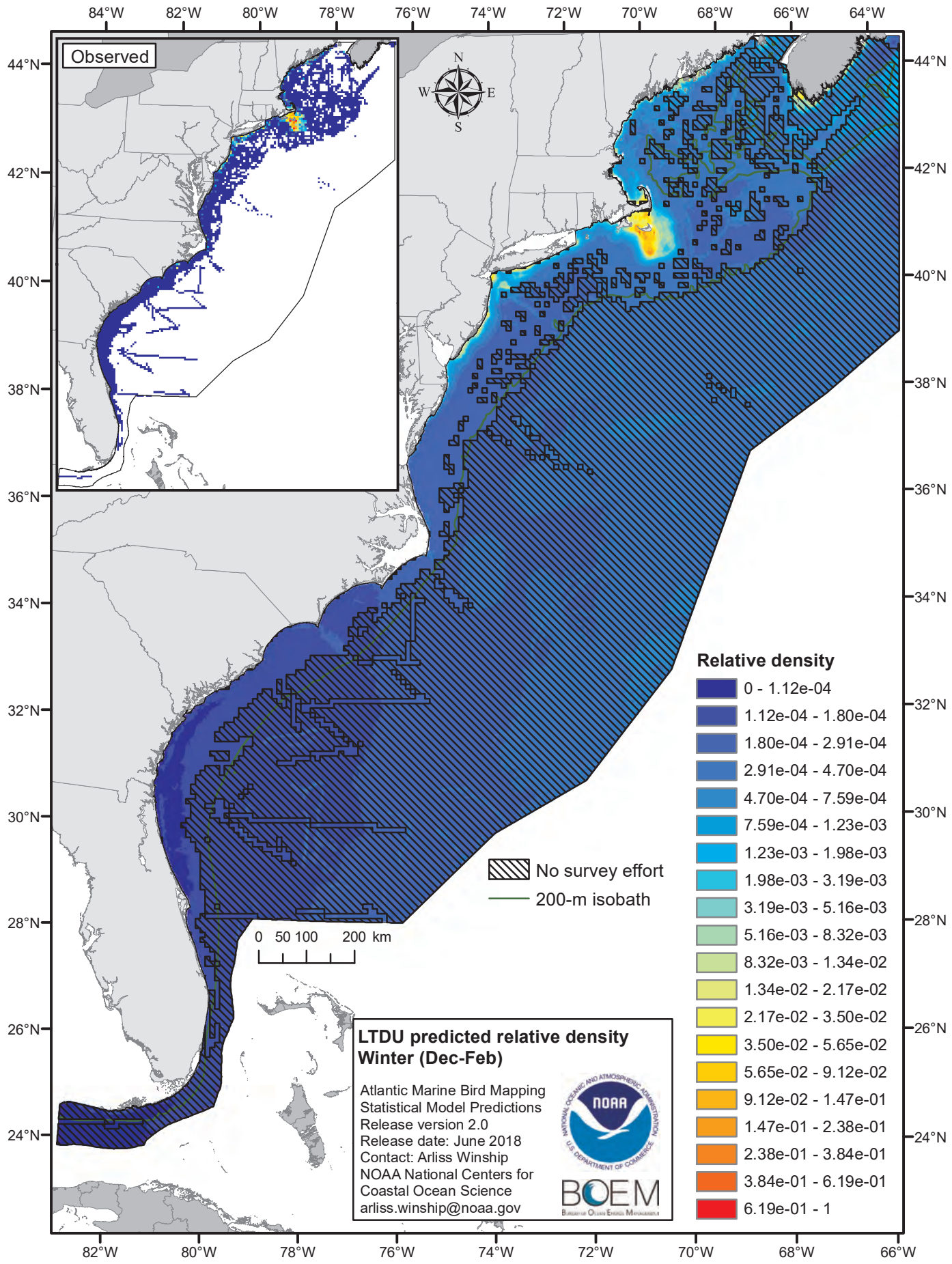
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 1.12e-04
1.12e-04 - 1.80e-04
1.80e-04 - 2.91e-04
2.91e-04 - 4.70e-04
4.70e-04 - 7.59e-04
7.59e-04 - 1.23e-03
1.23e-03 - 1.98e-03
1.98e-03 - 3.19e-03
3.19e-03 - 5.16e-03
5.16e-03 - 8.32e-03
8.32e-03 - 1.34e-02
1.34e-02 - 2.17e-02
2.17e-02 - 3.50e-02
3.50e-02 - 5.65e-02
5.65e-02 - 9.12e-02
9.12e-02 - 1.47e-01
1.47e-01 - 2.38e-01
2.38e-01 - 3.84e-01
3.84e-01 - 6.19e-01
6.19e-01 - 1
LTDU predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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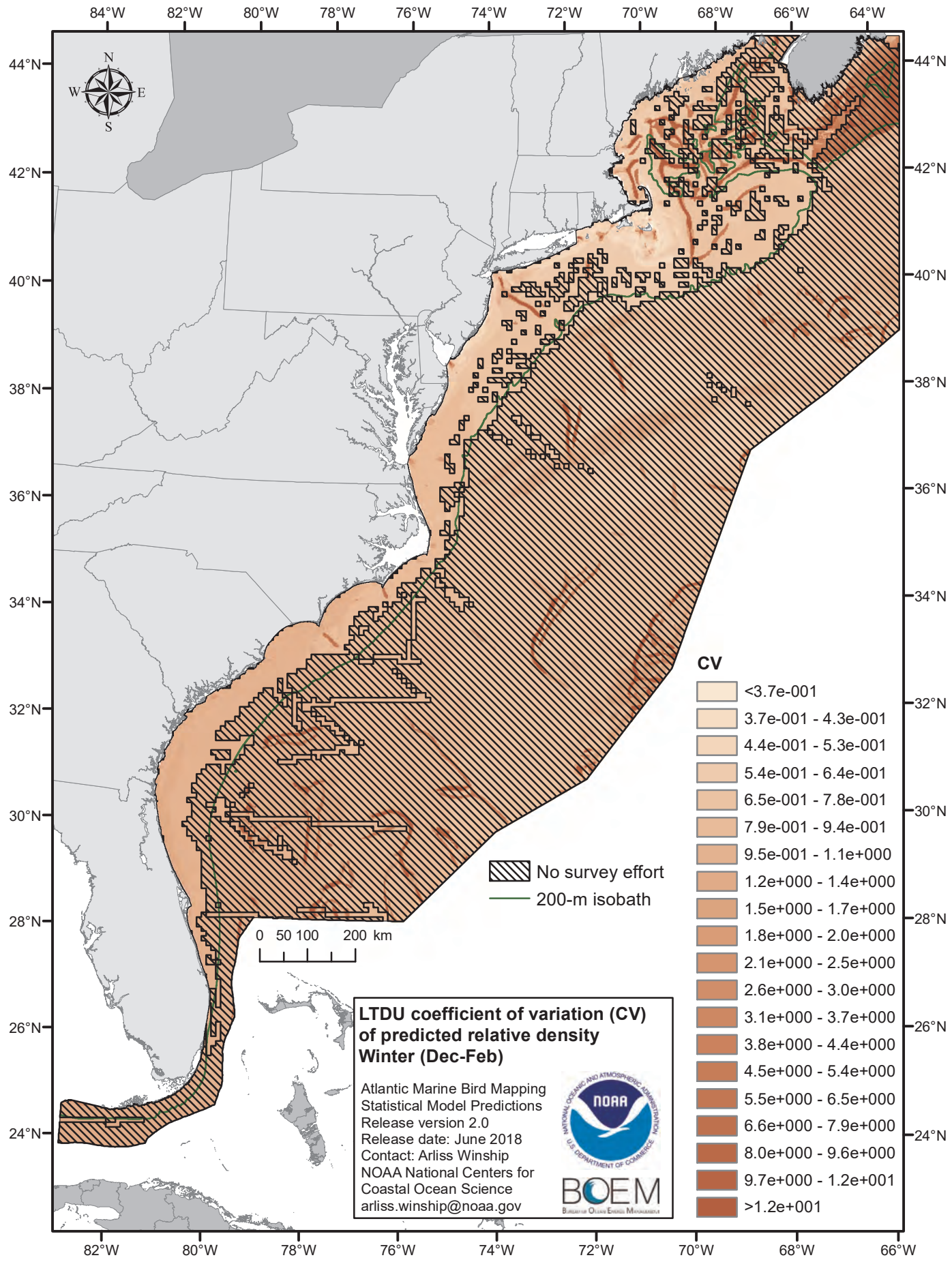
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.7e-001
3.7e-001 - 4.3e-001
4.4e-001 - 5.3e-001
5.4e-001 - 6.4e-001
6.5e-001 - 7.8e-001
7.9e-001 - 9.4e-001
9.5e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.4e+000
4.5e+000 - 5.4e+000
5.5e+000 - 6.5e+000
6.6e+000 - 7.9e+000
8.0e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
LTDU coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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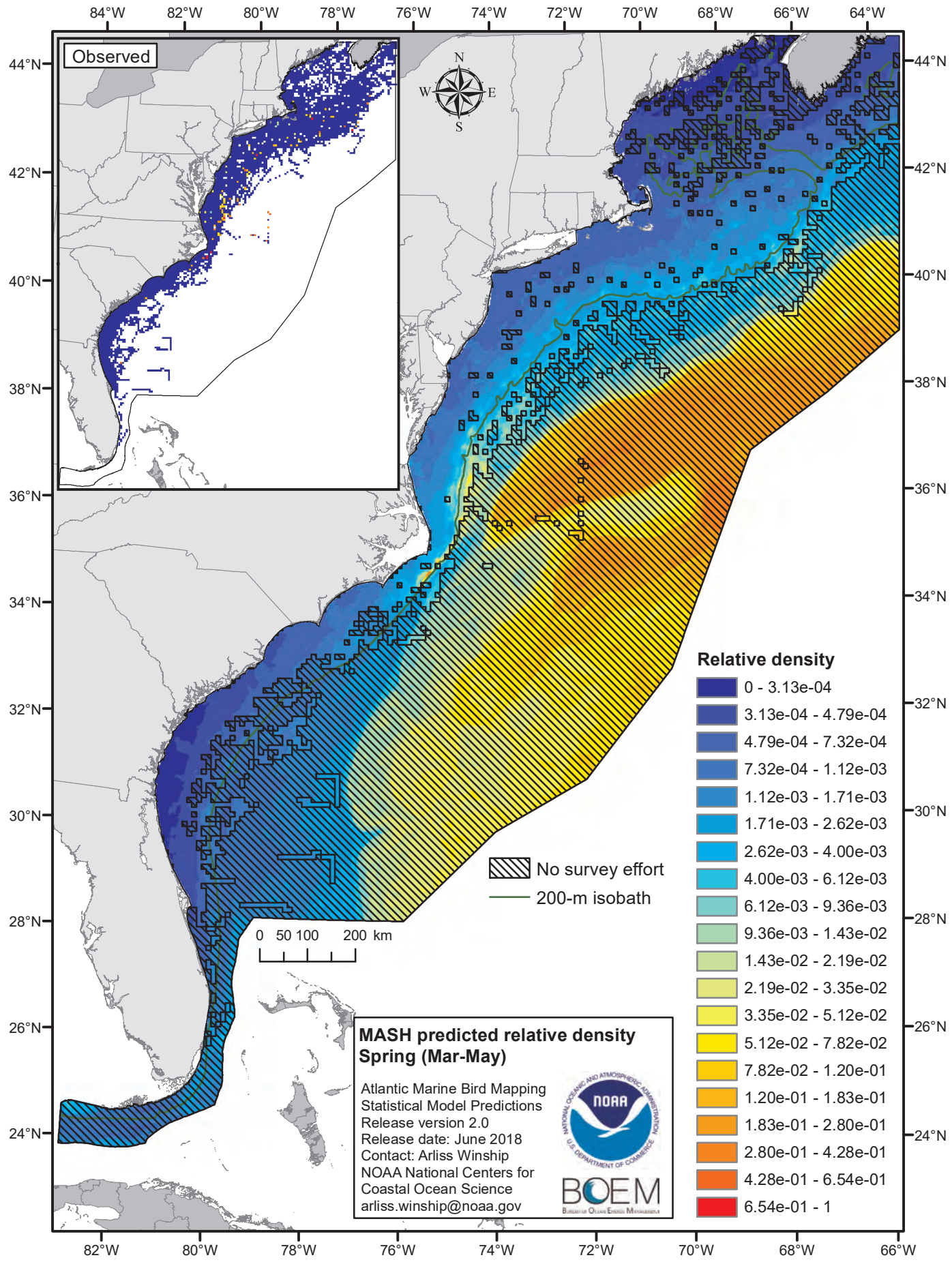
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.13e-04
3.13e-04 - 4.79e-04
4.79e-04 - 7.32e-04
7.32e-04 - 1.12e-03
1.12e-03 - 1.71e-03
1.71e-03 - 2.62e-03
2.62e-03 - 4.00e-03
4.00e-03 - 6.12e-03
6.12e-03 - 9.36e-03
9.36e-03 - 1.43e-02
1.43e-02 - 2.19e-02
2.19e-02 - 3.35e-02
3.35e-02 - 5.12e-02
5.12e-02 - 7.82e-02
7.82e-02 - 1.20e-01
1.20e-01 - 1.83e-01
1.83e-01 - 2.80e-01
2.80e-01 - 4.28e-01
4.28e-01 - 6.54e-01
6.54e-01 - 1
MASH predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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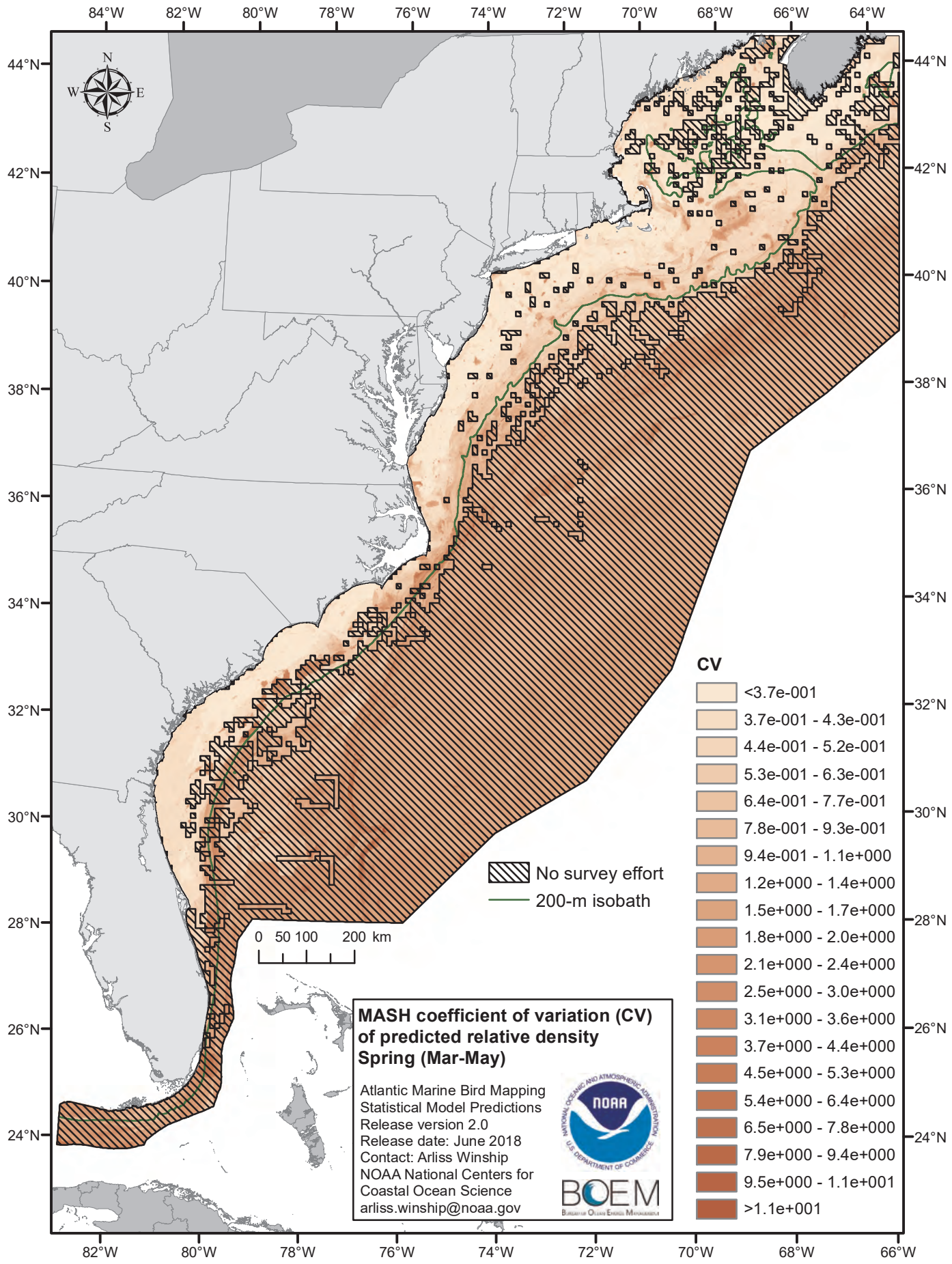
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.7e-001
3.7e-001 - 4.3e-001
4.4e-001 - 5.2e-001
5.3e-001 - 6.3e-001
6.4e-001 - 7.7e-001
7.8e-001 - 9.3e-001
9.4e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 3.0e+000
3.1e+000 - 3.6e+000
3.7e+000 - 4.4e+000
4.5e+000 - 5.3e+000
5.4e+000 - 6.4e+000
6.5e+000 - 7.8e+000
7.9e+000 - 9.4e+000
9.5e+000 - 1.1e+001
>1.1e+001
MASH coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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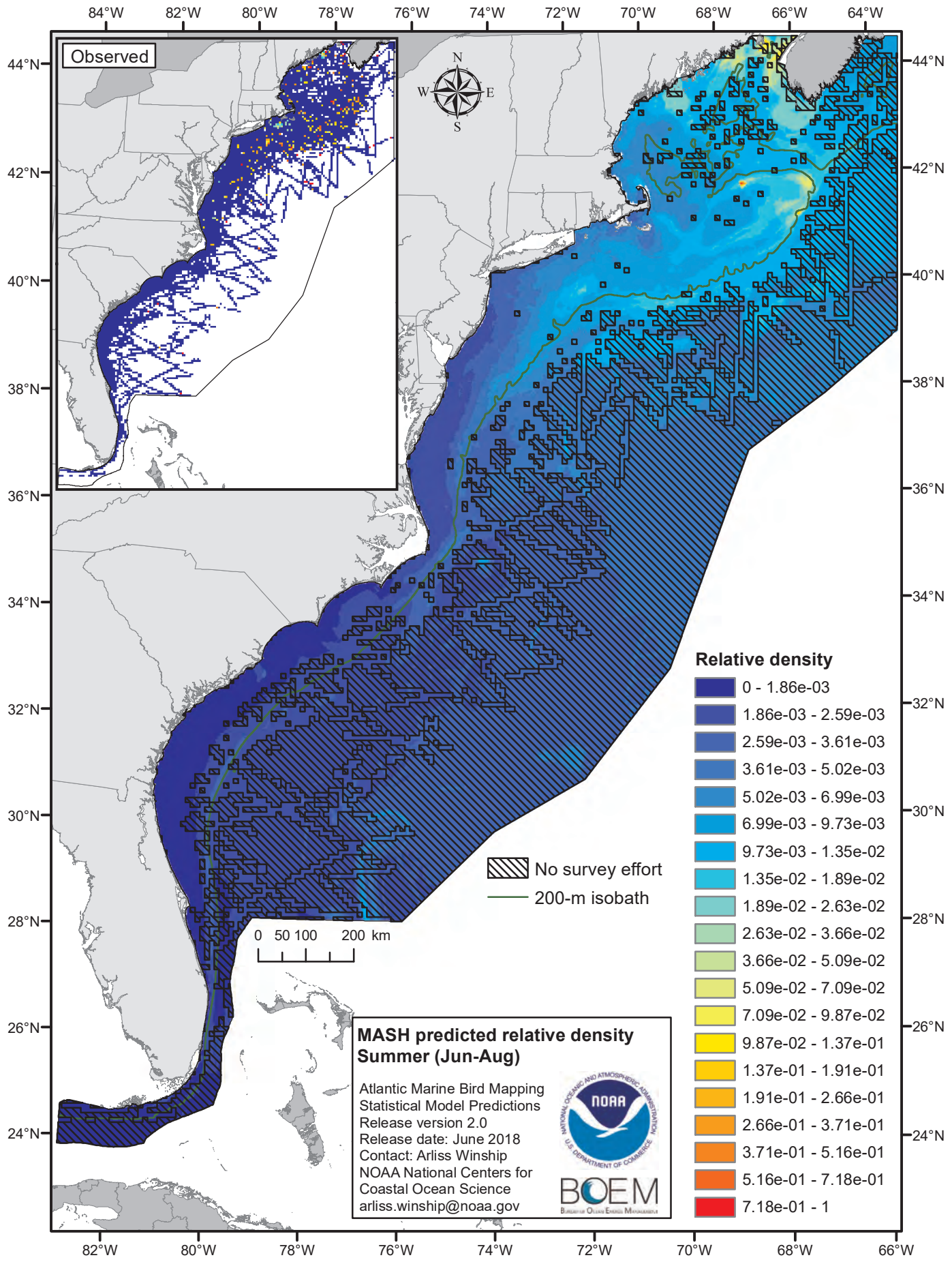
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.86e-03
1.86e-03 - 2.59e-03
2.59e-03 - 3.61e-03
3.61e-03 - 5.02e-03
5.02e-03 - 6.99e-03
6.99e-03 - 9.73e-03
9.73e-03 - 1.35e-02
1.35e-02 - 1.89e-02
1.89e-02 - 2.63e-02
2.63e-02 - 3.66e-02
3.66e-02 - 5.09e-02
5.09e-02 - 7.09e-02
7.09e-02 - 9.87e-02
9.87e-02 - 1.37e-01
1.37e-01 - 1.91e-01
1.91e-01 - 2.66e-01
2.66e-01 - 3.71e-01
3.71e-01 - 5.16e-01
5.16e-01 - 7.18e-01
7.18e-01 - 1
MASH predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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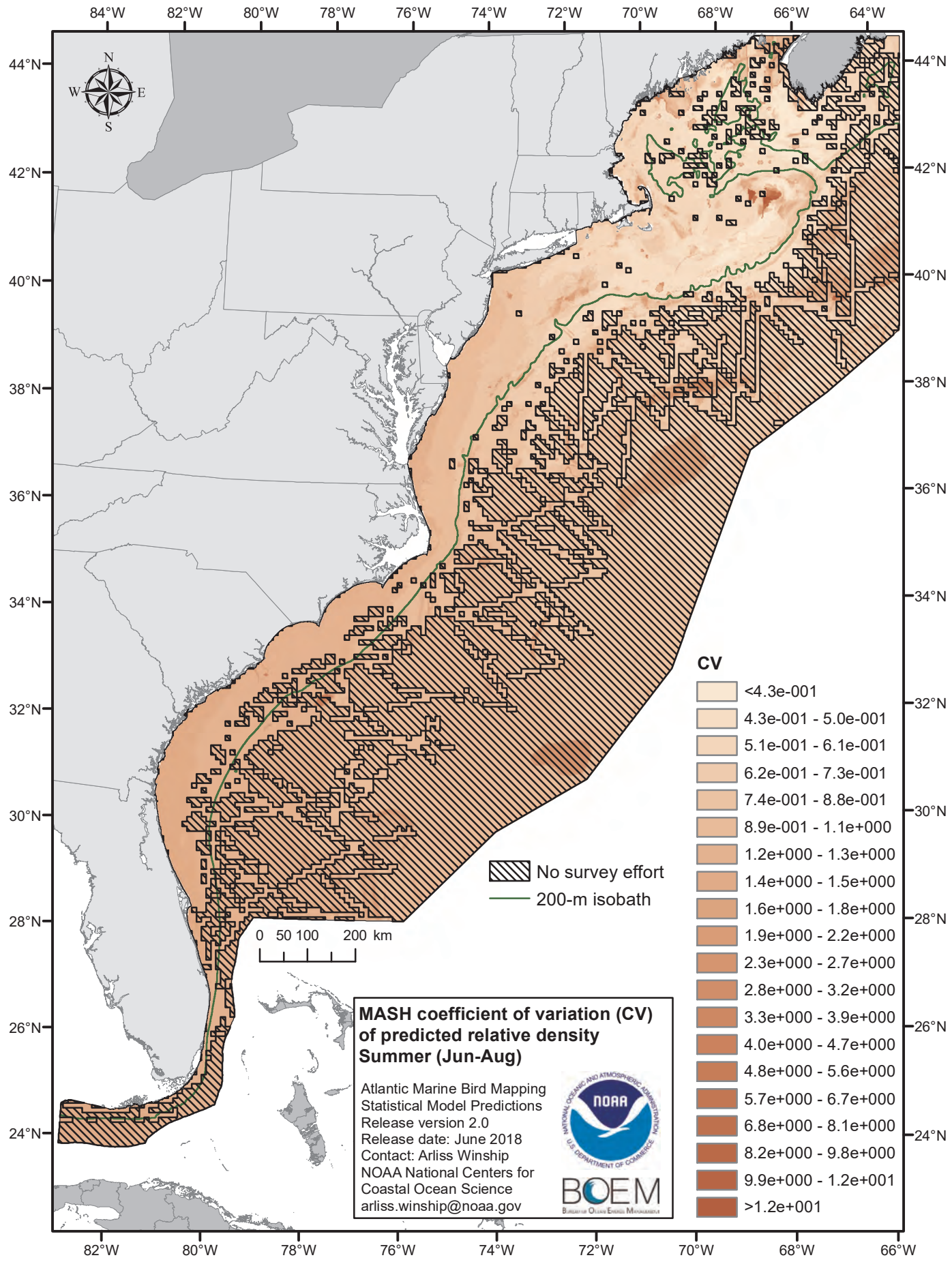
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.3e-001
4.3e-001 - 5.0e-001
5.1e-001 - 6.1e-001
6.2e-001 - 7.3e-001
7.4e-001 - 8.8e-001
8.9e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.9e+000
4.0e+000 - 4.7e+000
4.8e+000 - 5.6e+000
5.7e+000 - 6.7e+000
6.8e+000 - 8.1e+000
8.2e+000 - 9.8e+000
9.9e+000 - 1.2e+001
>1.2e+001
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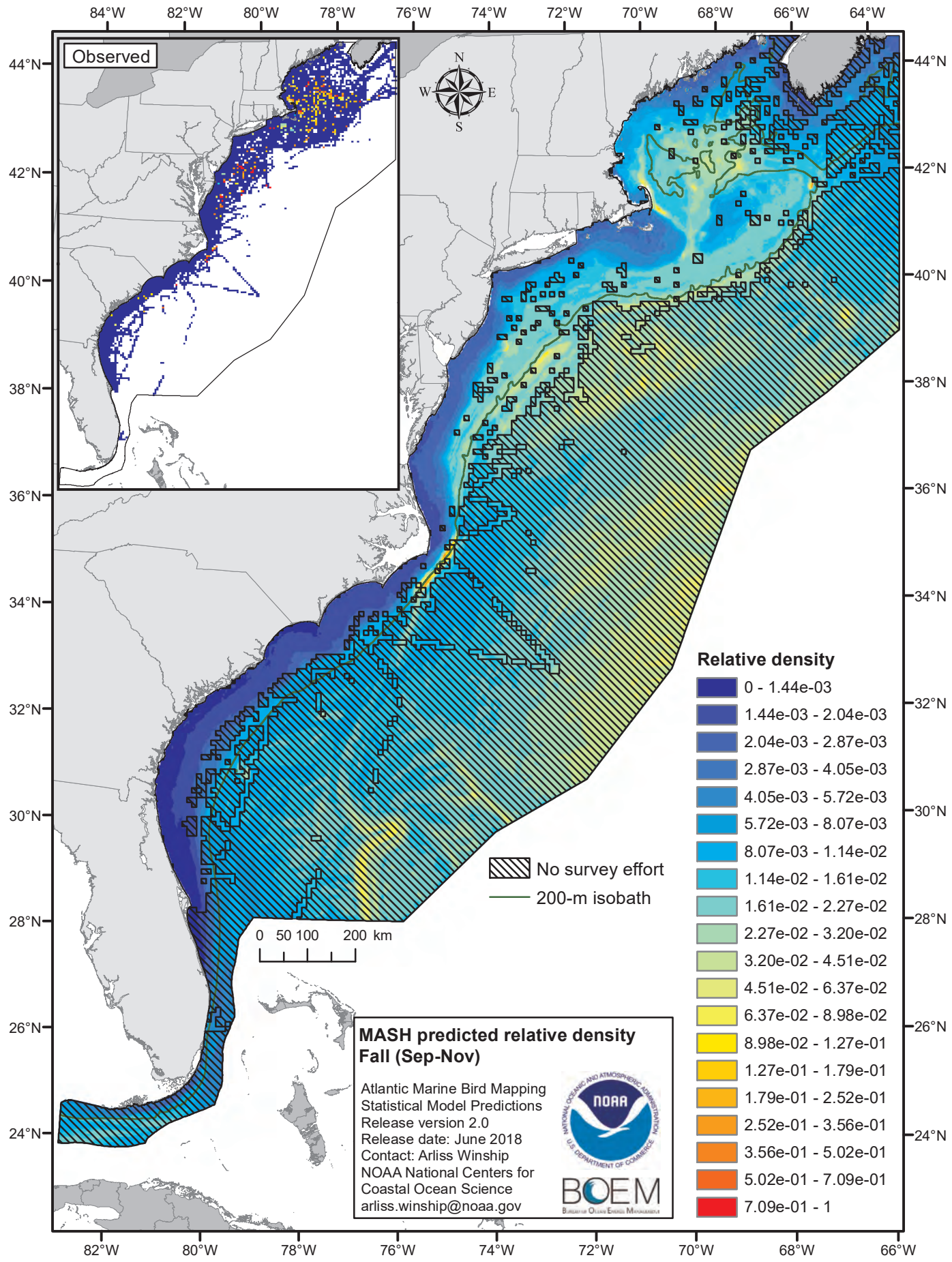
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 1.44e-03
1.44e-03 - 2.04e-03
2.04e-03 - 2.87e-03
2.87e-03 - 4.05e-03
4.05e-03 - 5.72e-03
5.72e-03 - 8.07e-03
8.07e-03 - 1.14e-02
1.14e-02 - 1.61e-02
1.61e-02 - 2.27e-02
2.27e-02 - 3.20e-02
3.20e-02 - 4.51e-02
4.51e-02 - 6.37e-02
6.37e-02 - 8.98e-02
8.98e-02 - 1.27e-01
1.27e-01 - 1.79e-01
1.79e-01 - 2.52e-01
2.52e-01 - 3.56e-01
3.56e-01 - 5.02e-01
5.02e-01 - 7.09e-01
7.09e-01 - 1
MASH predicted relative density
Fall (Sep-Nov)
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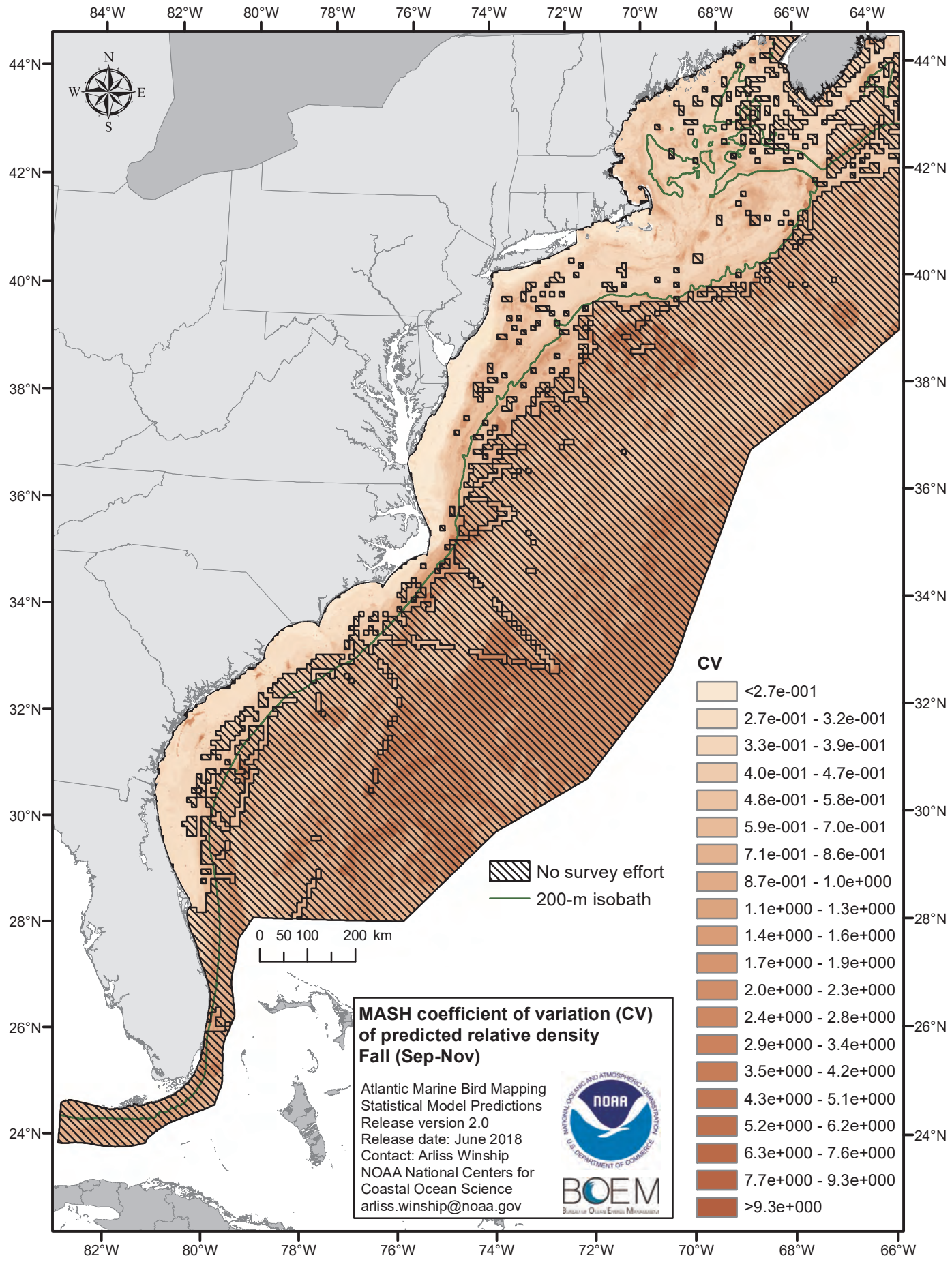
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.7e-001
2.7e-001 - 3.2e-001
3.3e-001 - 3.9e-001
4.0e-001 - 4.7e-001
4.8e-001 - 5.8e-001
5.9e-001 - 7.0e-001
7.1e-001 - 8.6e-001
8.7e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.2e+000
4.3e+000 - 5.1e+000
5.2e+000 - 6.2e+000
6.3e+000 - 7.6e+000
7.7e+000 - 9.3e+000
>9.3e+000
MASH coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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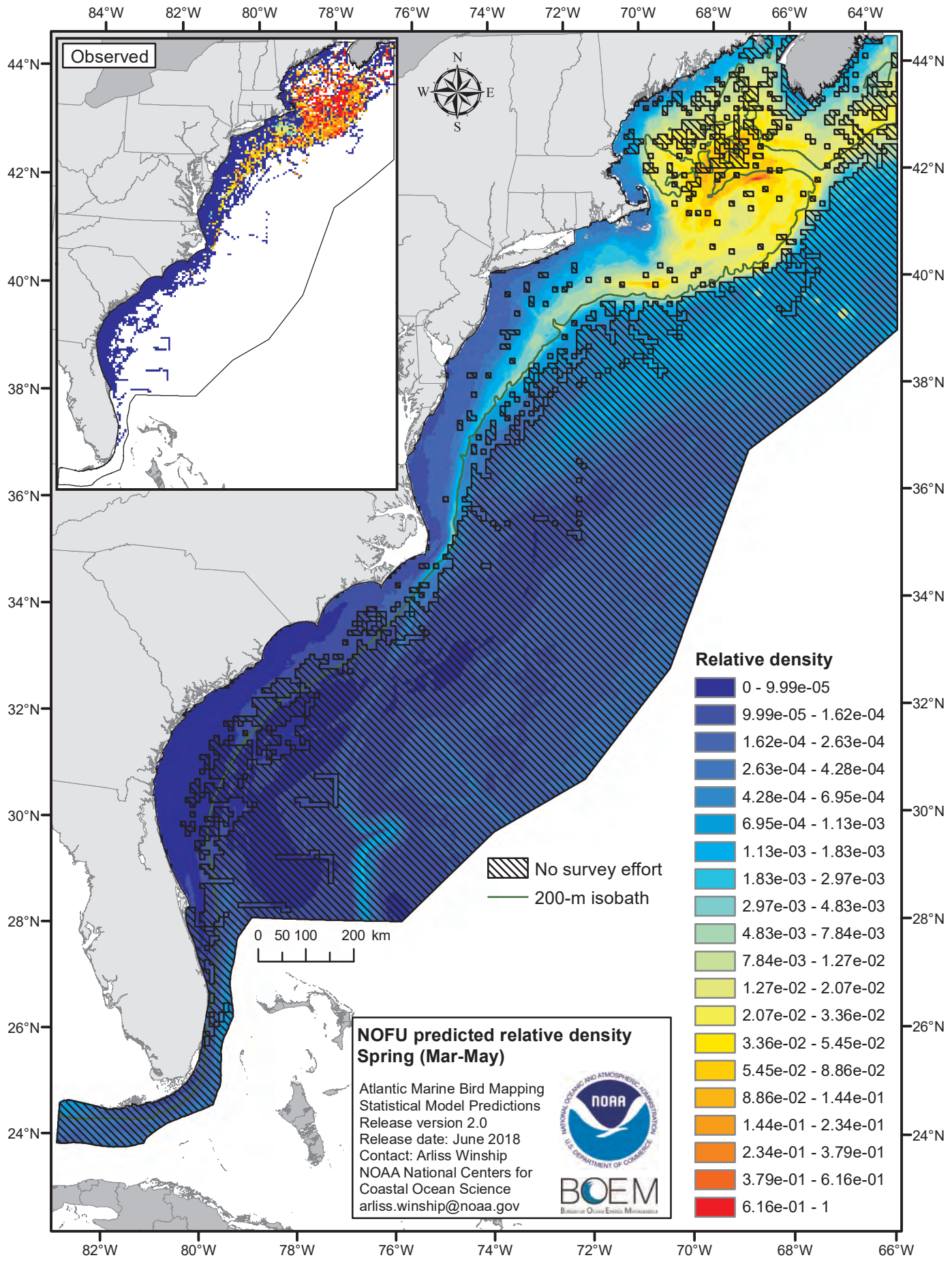
BOEM


Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 9.99e-05
9.99e-05 - 1.62e-04
1.62e-04 - 2.63e-04
2.63e-04 - 4.28e-04
4.28e-04 - 6.95e-04
6.95e-04 - 1.13e-03
1.13e-03 - 1.83e-03
1.83e-03 - 2.97e-03
2.97e-03 - 4.83e-03
4.83e-03 - 7.84e-03
7.84e-03 - 1.27e-02
1.27e-02 - 2.07e-02
2.07e-02 - 3.36e-02
3.36e-02 - 5.45e-02
5.45e-02 - 8.86e-02
8.86e-02 - 1.44e-01
1.44e-01 - 2.34e-01
2.34e-01 - 3.79e-01
3.79e-01 - 6.16e-01
6.16e-01 - 1
NOFU predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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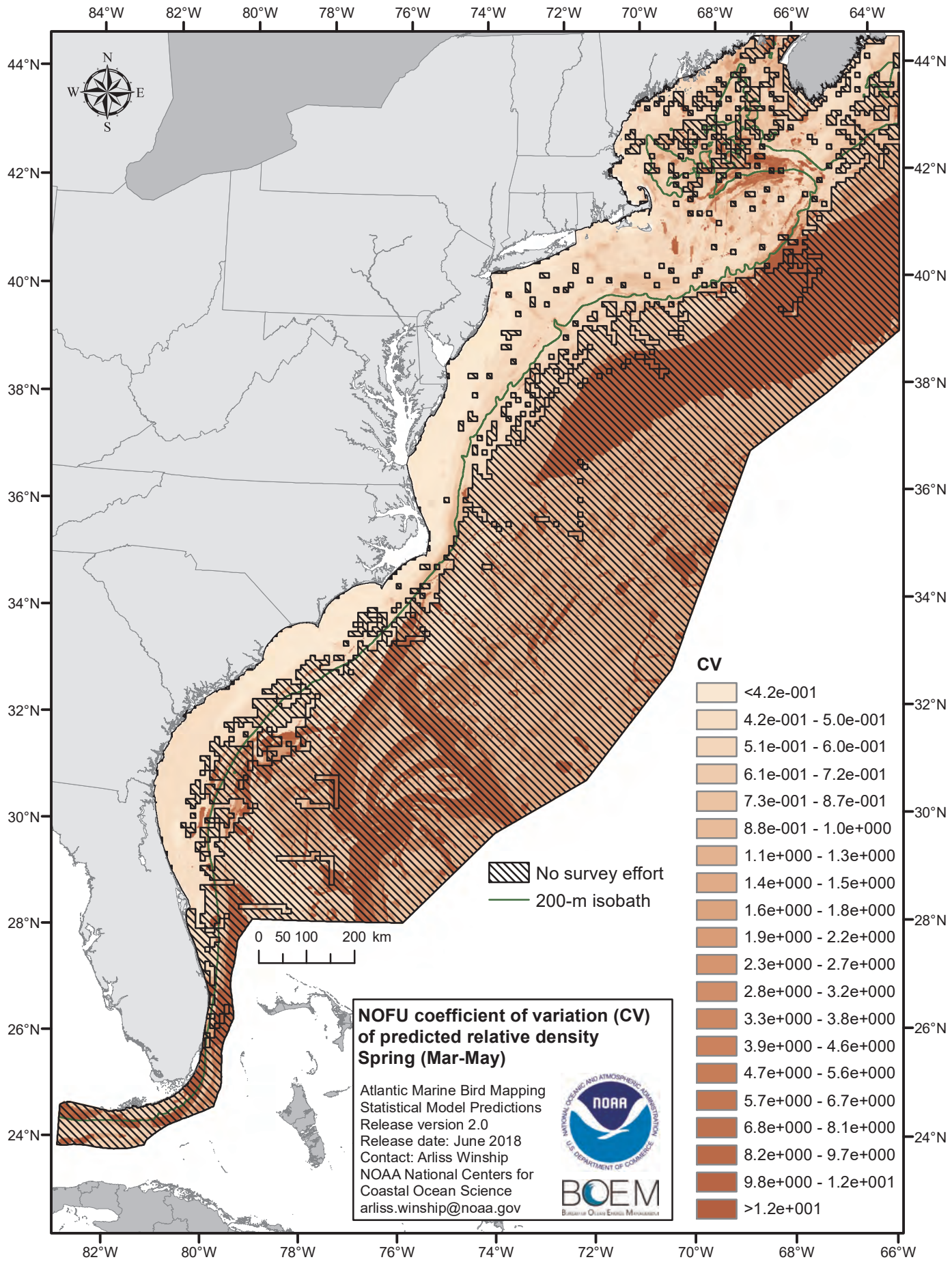
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.2e-001
4.2e-001 - 5.0e-001
5.1e-001 - 6.0e-001
6.1e-001 - 7.2e-001
7.3e-001 - 8.7e-001
8.8e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.8e+000
3.9e+000 - 4.6e+000
4.7e+000 - 5.6e+000
5.7e+000 - 6.7e+000
6.8e+000 - 8.1e+000
8.2e+000 - 9.7e+000
9.8e+000 - 1.2e+001
>1.2e+001
NOFU coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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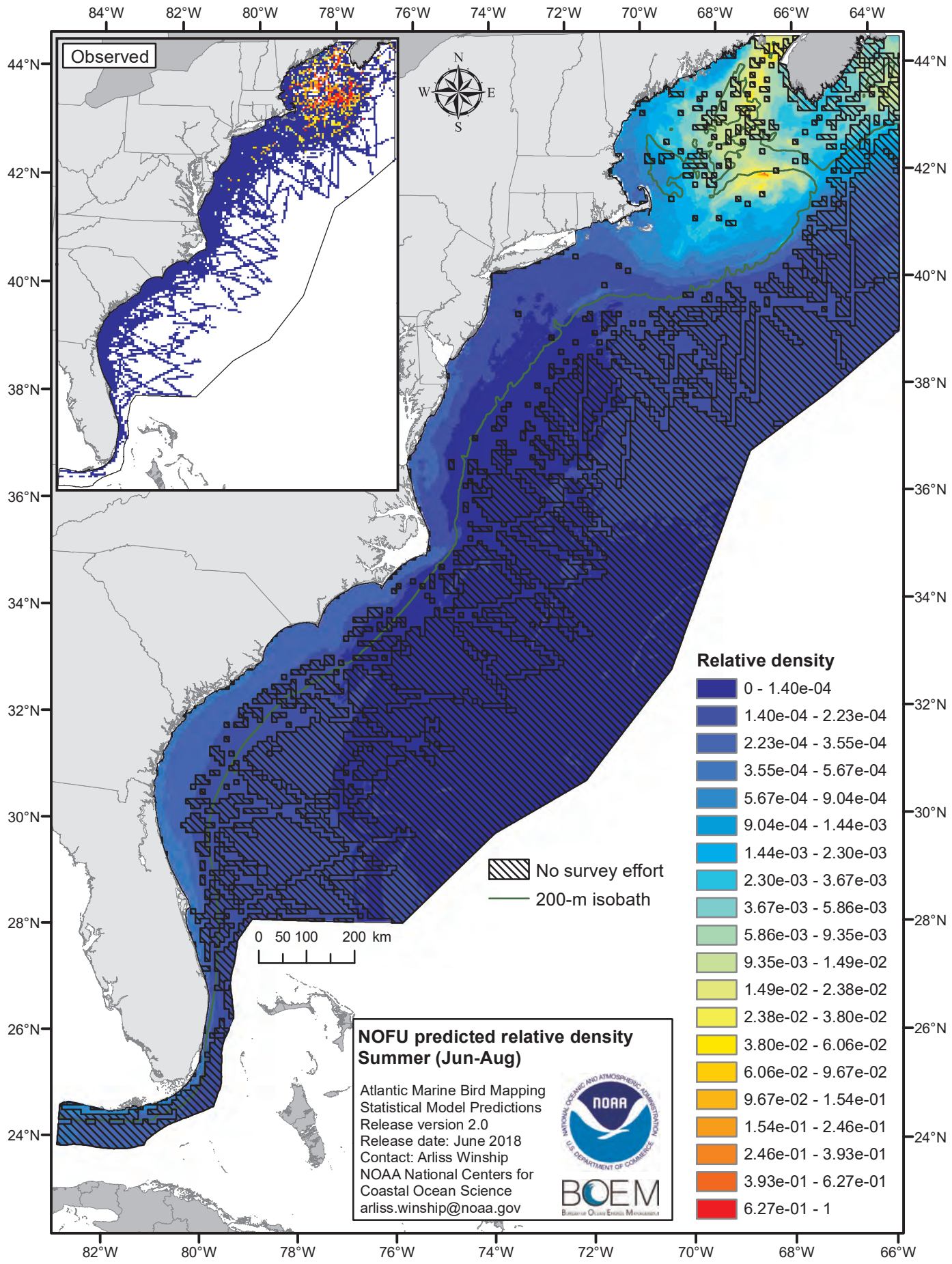
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.40e-04
1.40e-04 - 2.23e-04
2.23e-04 - 3.55e-04
3.55e-04 - 5.67e-04
5.67e-04 - 9.04e-04
9.04e-04 - 1.44e-03
1.44e-03 - 2.30e-03
2.30e-03 - 3.67e-03
3.67e-03 - 5.86e-03
5.86e-03 - 9.35e-03
9.35e-03 - 1.49e-02
1.49e-02 - 2.38e-02
2.38e-02 - 3.80e-02
3.80e-02 - 6.06e-02
6.06e-02 - 9.67e-02
9.67e-02 - 1.54e-01
1.54e-01 - 2.46e-01
2.46e-01 - 3.93e-01
3.93e-01 - 6.27e-01
6.27e-01 - 1
NOFU predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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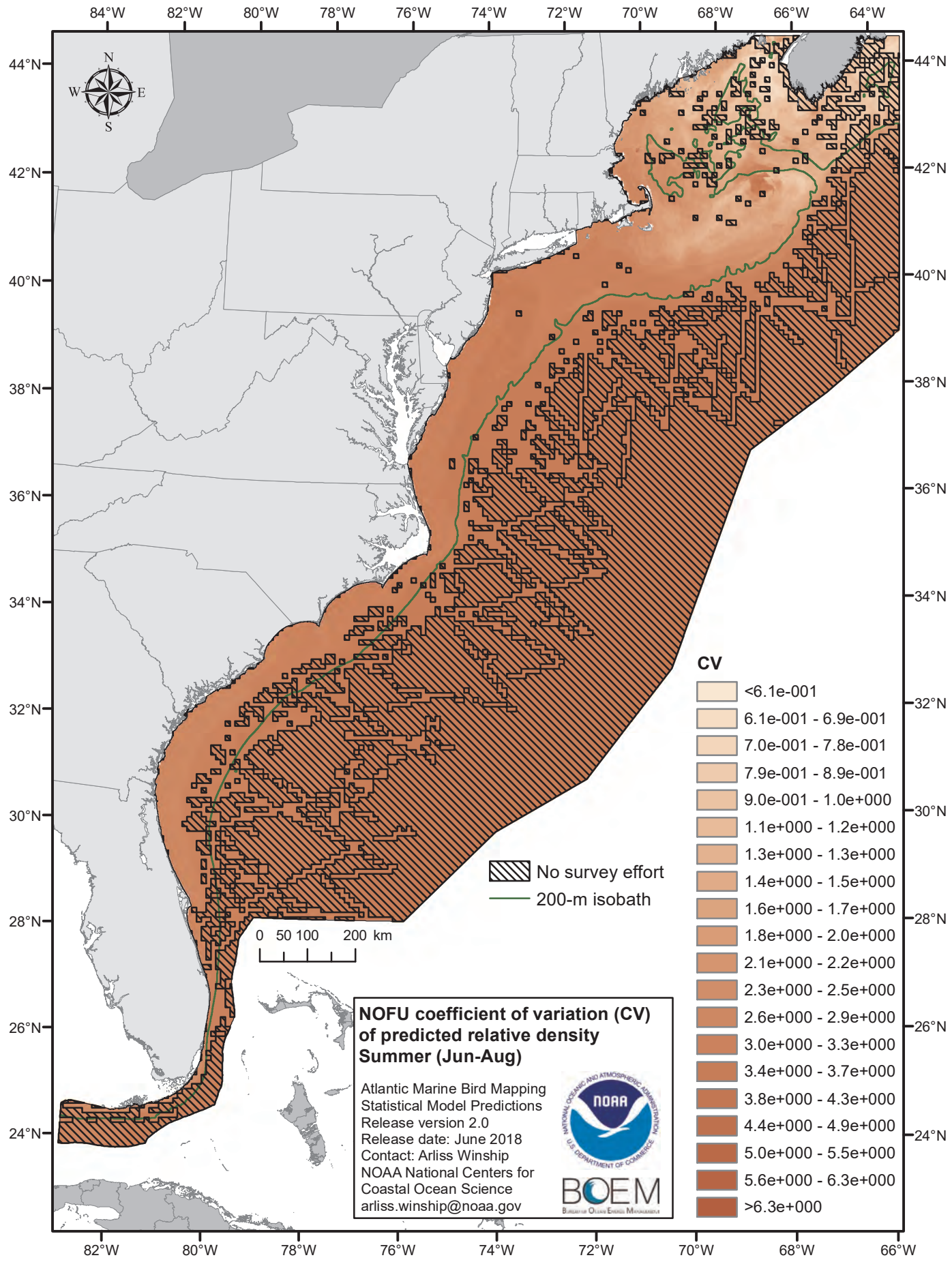
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<6.1e-001
6.1e-001 - 6.9e-001
7.0e-001 - 7.8e-001
7.9e-001 - 8.9e-001
9.0e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.2e+000
2.3e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.3e+000
3.4e+000 - 3.7e+000
3.8e+000 - 4.3e+000
4.4e+000 - 4.9e+000
5.0e+000 - 5.5e+000
5.6e+000 - 6.3e+000
>6.3e+000
NOFU coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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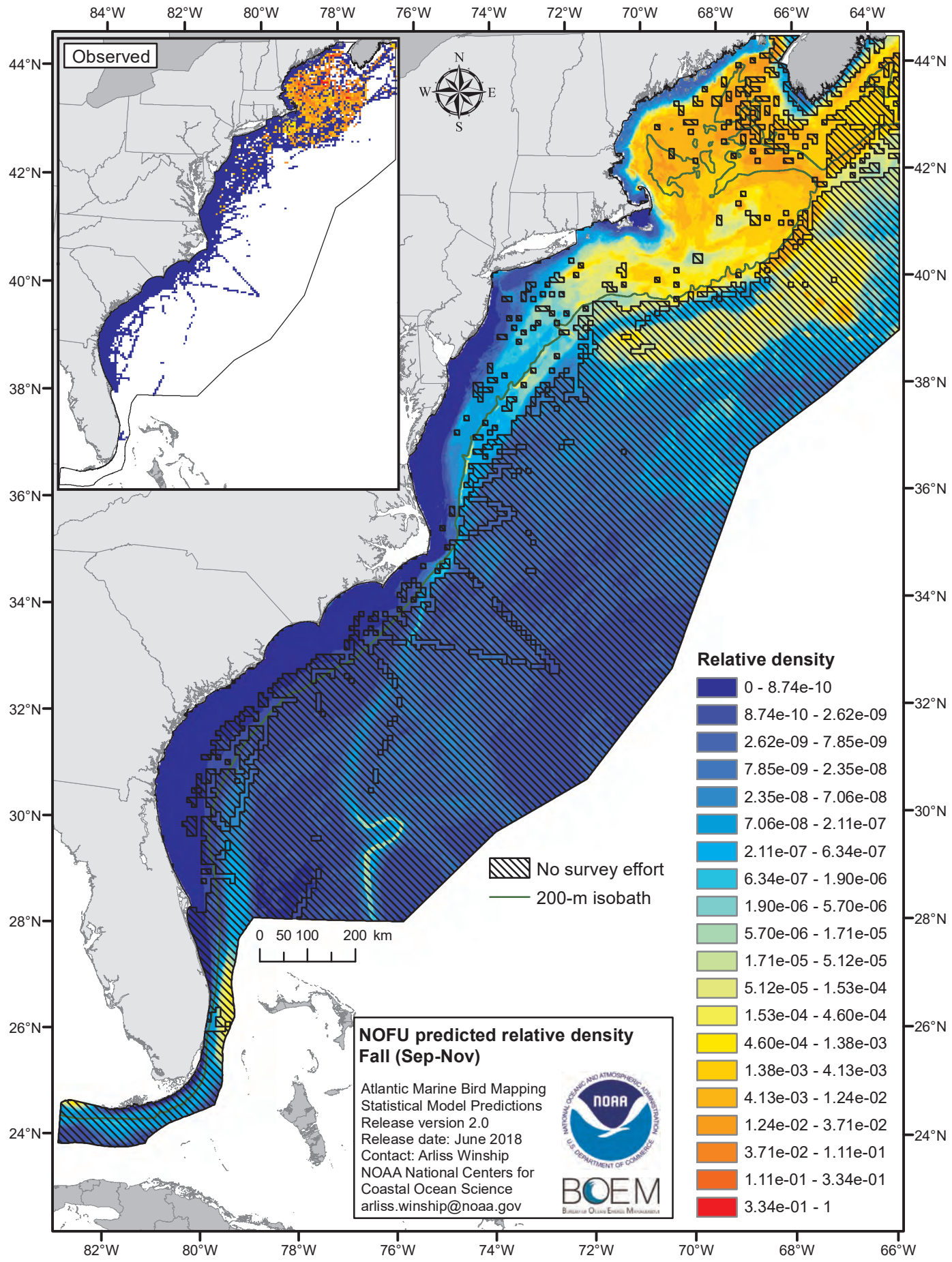
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 8.74e-10
8.74e-10 - 2.62e-09
2.62e-09 - 7.85e-09
7.85e-09 - 2.35e-08
2.35e-08 - 7.06e-08
7.06e-08 - 2.11e-07
2.11e-07 - 6.34e-07
6.34e-07 - 1.90e-06
1.90e-06 - 5.70e-06
5.70e-06 - 1.71e-05
1.71e-05 - 5.12e-05
5.12e-05 - 1.53e-04
1.53e-04 - 4.60e-04
4.60e-04 - 1.38e-03
1.38e-03 - 4.13e-03
4.13e-03 - 1.24e-02
1.24e-02 - 3.71e-02
3.71e-02 - 1.11e-01
1.11e-01 - 3.34e-01
3.34e-01 - 1
NOFU predicted relative density
Fall (Sep-Nov)
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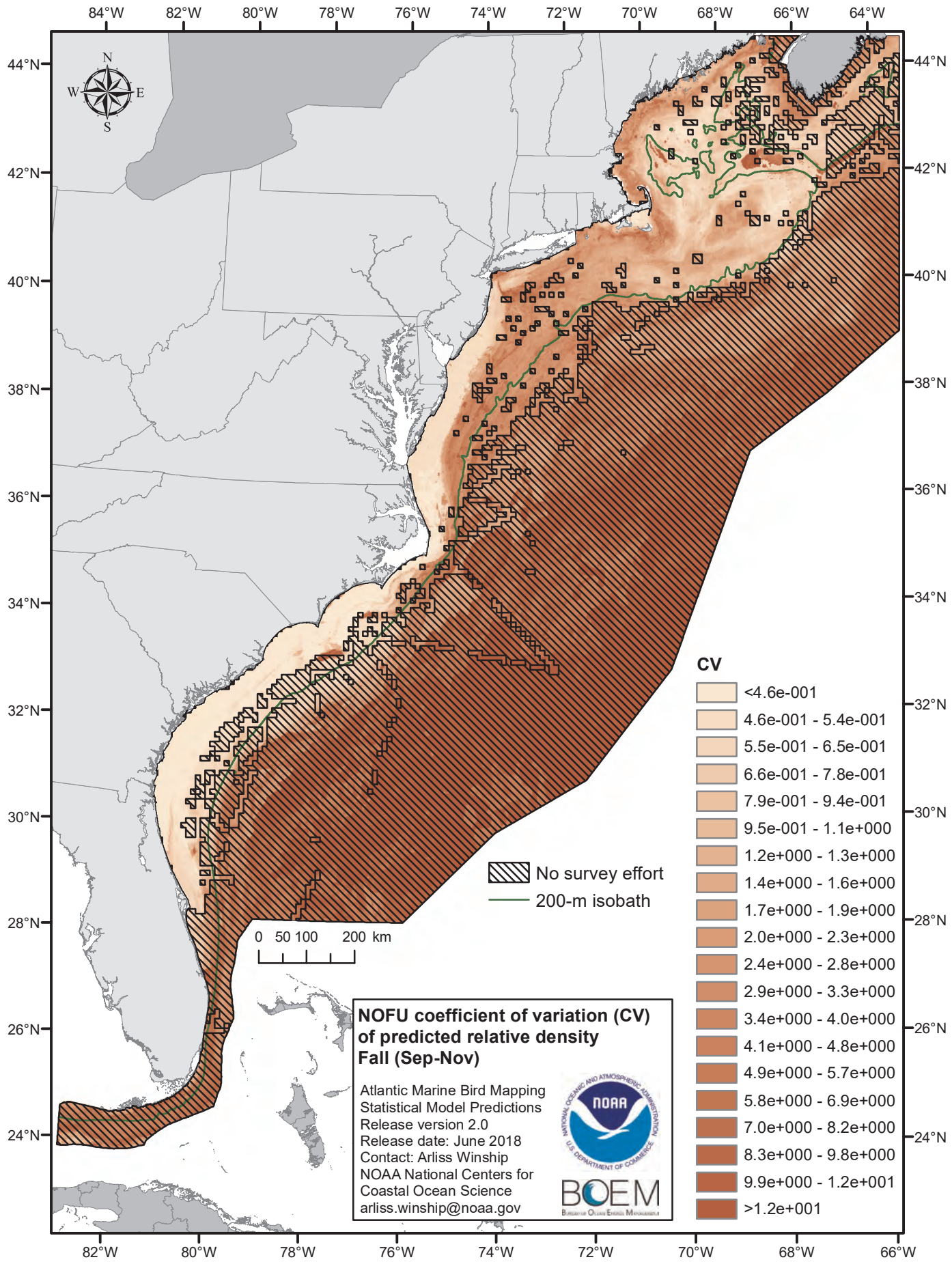
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.6e-001
4.6e-001 - 5.4e-001
5.5e-001 - 6.5e-001
6.6e-001 - 7.8e-001
7.9e-001 - 9.4e-001
9.5e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 4.8e+000
4.9e+000 - 5.7e+000
5.8e+000 - 6.9e+000
7.0e+000 - 8.2e+000
8.3e+000 - 9.8e+000
9.9e+000 - 1.2e+001
>1.2e+001
NOFU coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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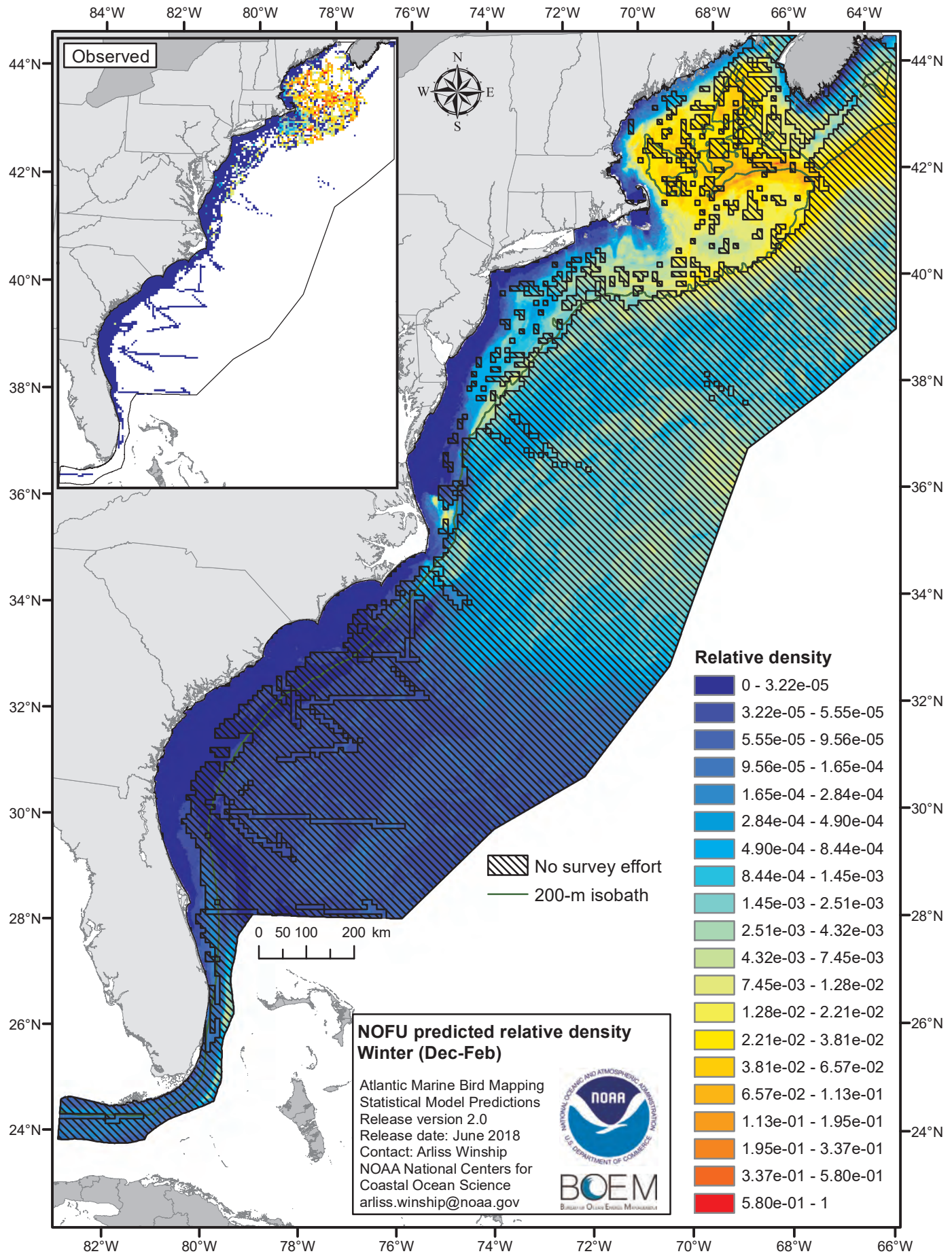
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.22e-05
3.22e-05 - 5.55e-05
5.55e-05 - 9.56e-05
9.56e-05 - 1.65e-04
1.65e-04 - 2.84e-04
2.84e-04 - 4.90e-04
4.90e-04 - 8.44e-04
8.44e-04 - 1.45e-03
1.45e-03 - 2.51e-03
2.51e-03 - 4.32e-03
4.32e-03 - 7.45e-03
7.45e-03 - 1.28e-02
1.28e-02 - 2.21e-02
2.21e-02 - 3.81e-02
3.81e-02 - 6.57e-02
6.57e-02 - 1.13e-01
1.13e-01 - 1.95e-01
1.95e-01 - 3.37e-01
3.37e-01 - 5.80e-01
5.80e-01 - 1
NOFU predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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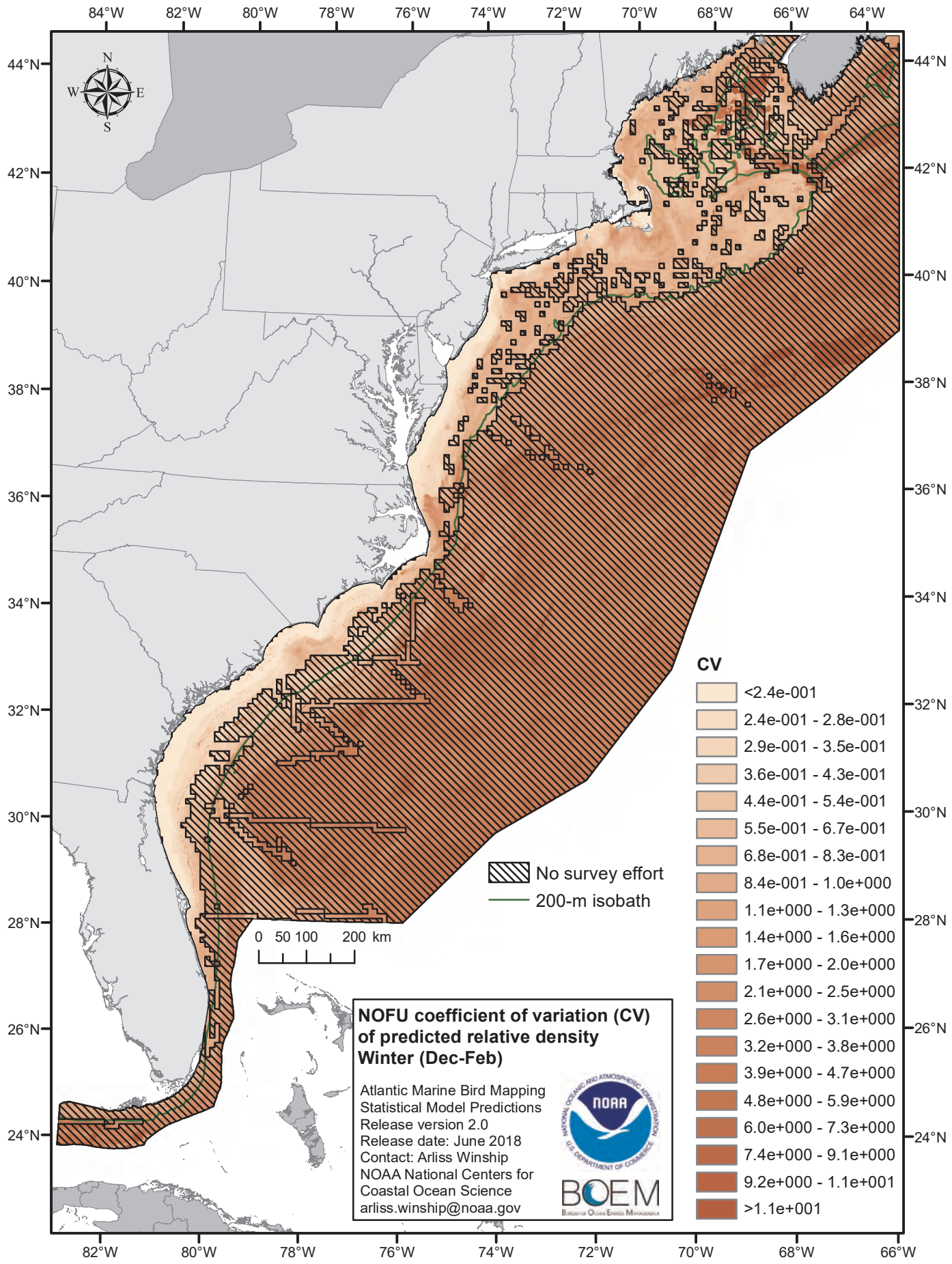
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.4e-001
2.4e-001 - 2.8e-001
2.9e-001 - 3.5e-001
3.6e-001 - 4.3e-001
4.4e-001 - 5.4e-001
5.5e-001 - 6.7e-001
6.8e-001 - 8.3e-001
8.4e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.8e+000
3.9e+000 - 4.7e+000
4.8e+000 - 5.9e+000
6.0e+000 - 7.3e+000
7.4e+000 - 9.1e+000
9.2e+000 - 1.1e+001
>1.1e+001
NOFU coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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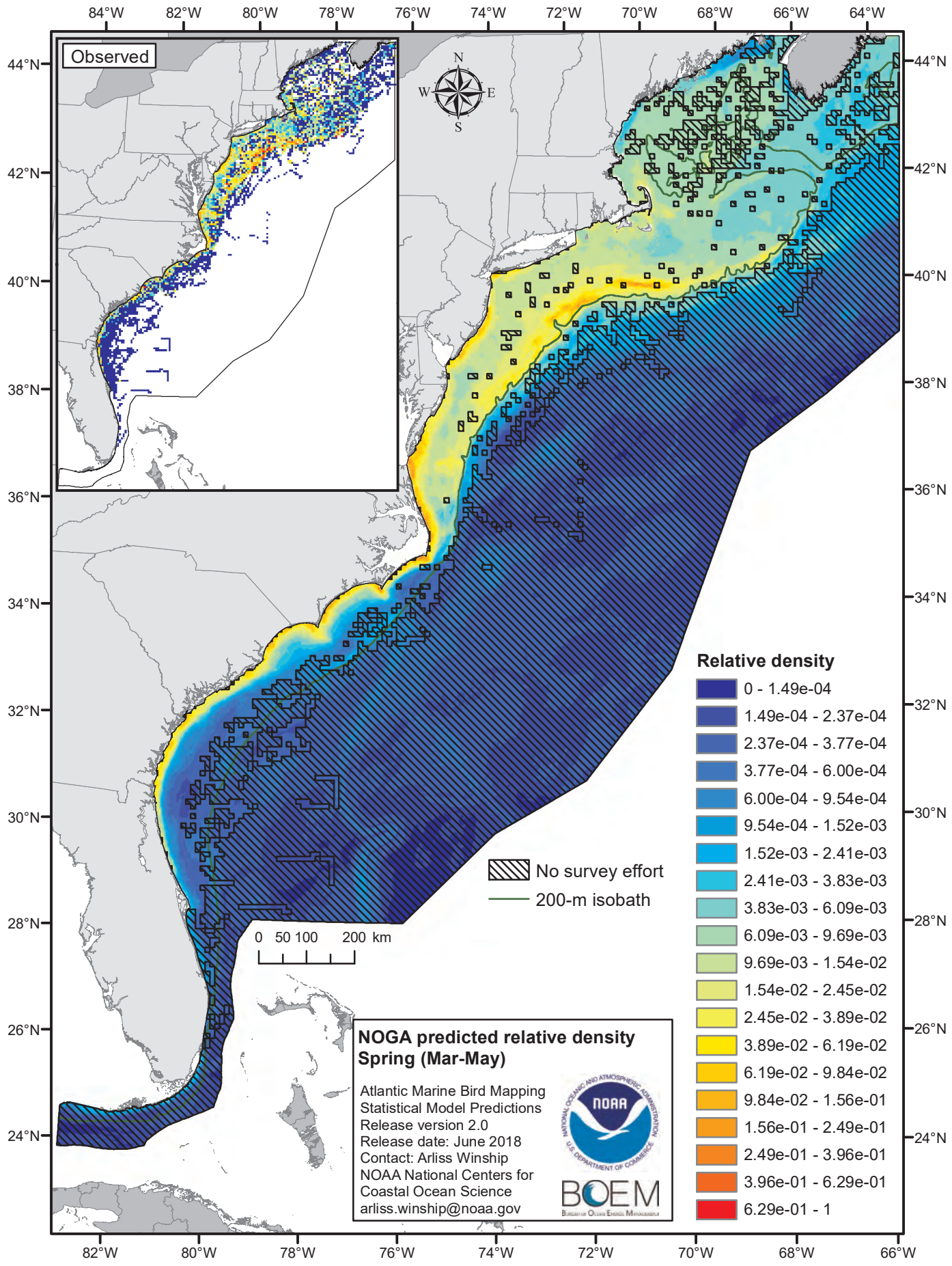
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.49e-04
1.49e-04 - 2.37e-04
2.37e-04 - 3.77e-04
3.77e-04 - 6.00e-04
6.00e-04 - 9.54e-04
9.54e-04 - 1.52e-03
1.52e-03 - 2.41e-03
2.41e-03 - 3.83e-03
3.83e-03 - 6.09e-03
6.09e-03 - 9.69e-03
9.69e-03 - 1.54e-02
1.54e-02 - 2.45e-02
2.45e-02 - 3.89e-02
3.89e-02 - 6.19e-02
6.19e-02 - 9.84e-02
9.84e-02 - 1.56e-01
1.56e-01 - 2.49e-01
2.49e-01 - 3.96e-01
3.96e-01 - 6.29e-01
6.29e-01 - 1
NOGA predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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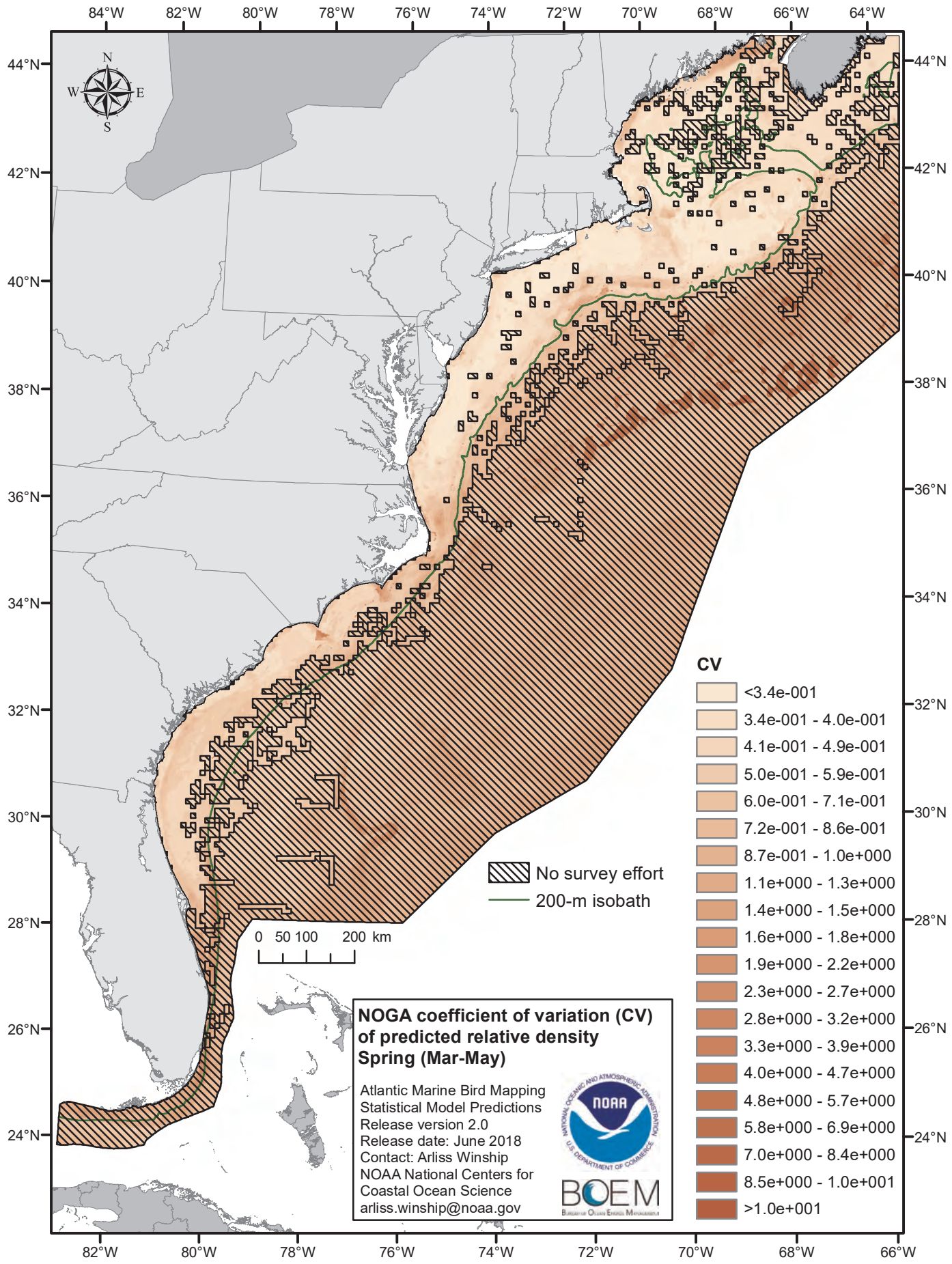
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.4e-001
3.4e-001 - 4.0e-001
4.1e-001 - 4.9e-001
5.0e-001 - 5.9e-001
6.0e-001 - 7.1e-001
7.2e-001 - 8.6e-001
8.7e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.9e+000
4.0e+000 - 4.7e+000
4.8e+000 - 5.7e+000
5.8e+000 - 6.9e+000
7.0e+000 - 8.4e+000
8.5e+000 - 1.0e+001
>1.0e+001
NOGA coefficient of variation (CV) of predicted relative density
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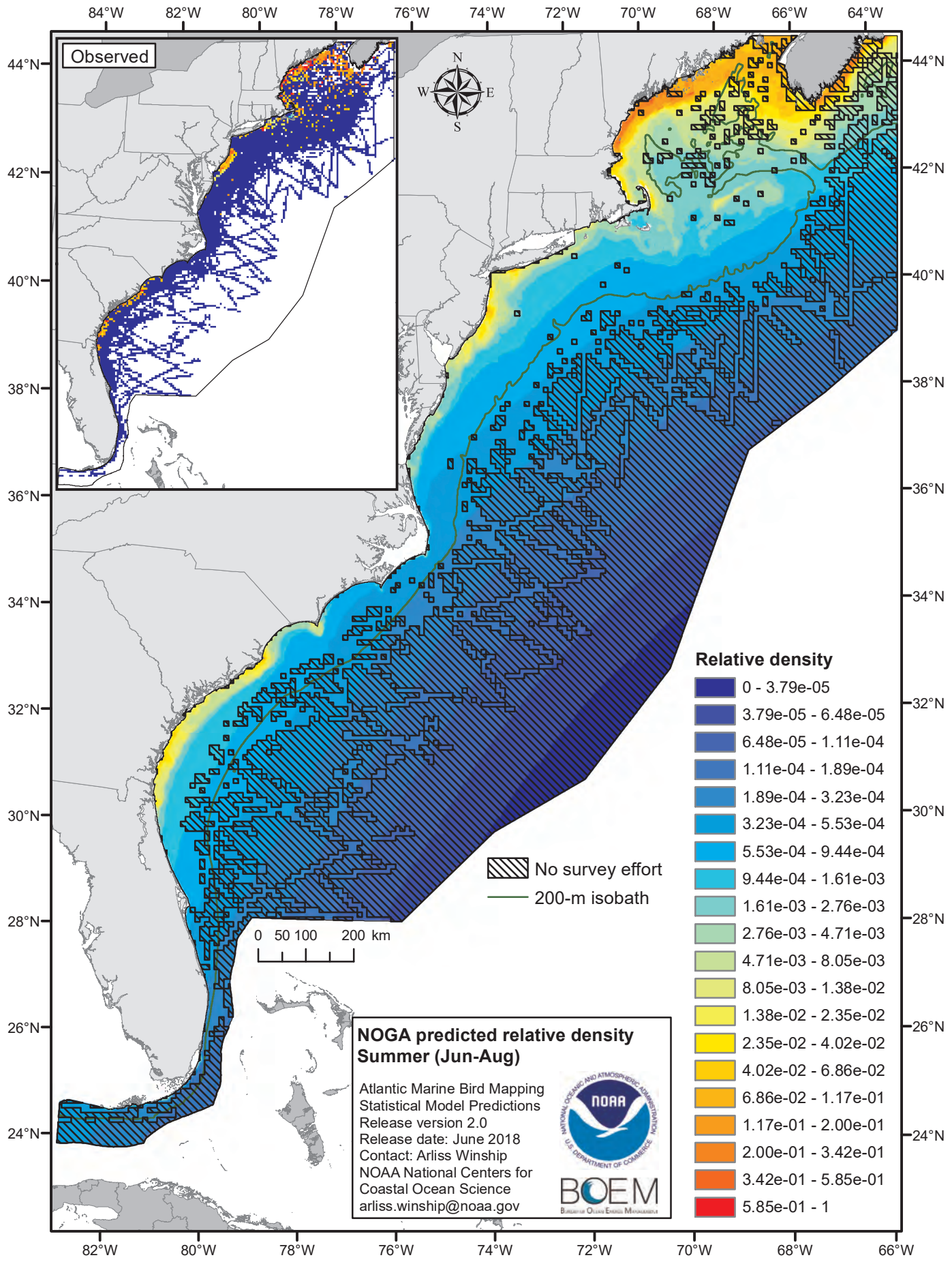
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.79e-05
3.79e-05 - 6.48e-05
6.48e-05 - 1.11e-04
1.11e-04 - 1.89e-04
1.89e-04 - 3.23e-04
3.23e-04 - 5.53e-04
5.53e-04 - 9.44e-04
9.44e-04 - 1.61e-03
1.61e-03 - 2.76e-03
2.76e-03 - 4.71e-03
4.71e-03 - 8.05e-03
8.05e-03 - 1.38e-02
1.38e-02 - 2.35e-02
2.35e-02 - 4.02e-02
4.02e-02 - 6.86e-02
6.86e-02 - 1.17e-01
1.17e-01 - 2.00e-01
2.00e-01 - 3.42e-01
3.42e-01 - 5.85e-01
5.85e-01 - 1
NOGA predicted relative density
Summer (Jun-Aug)
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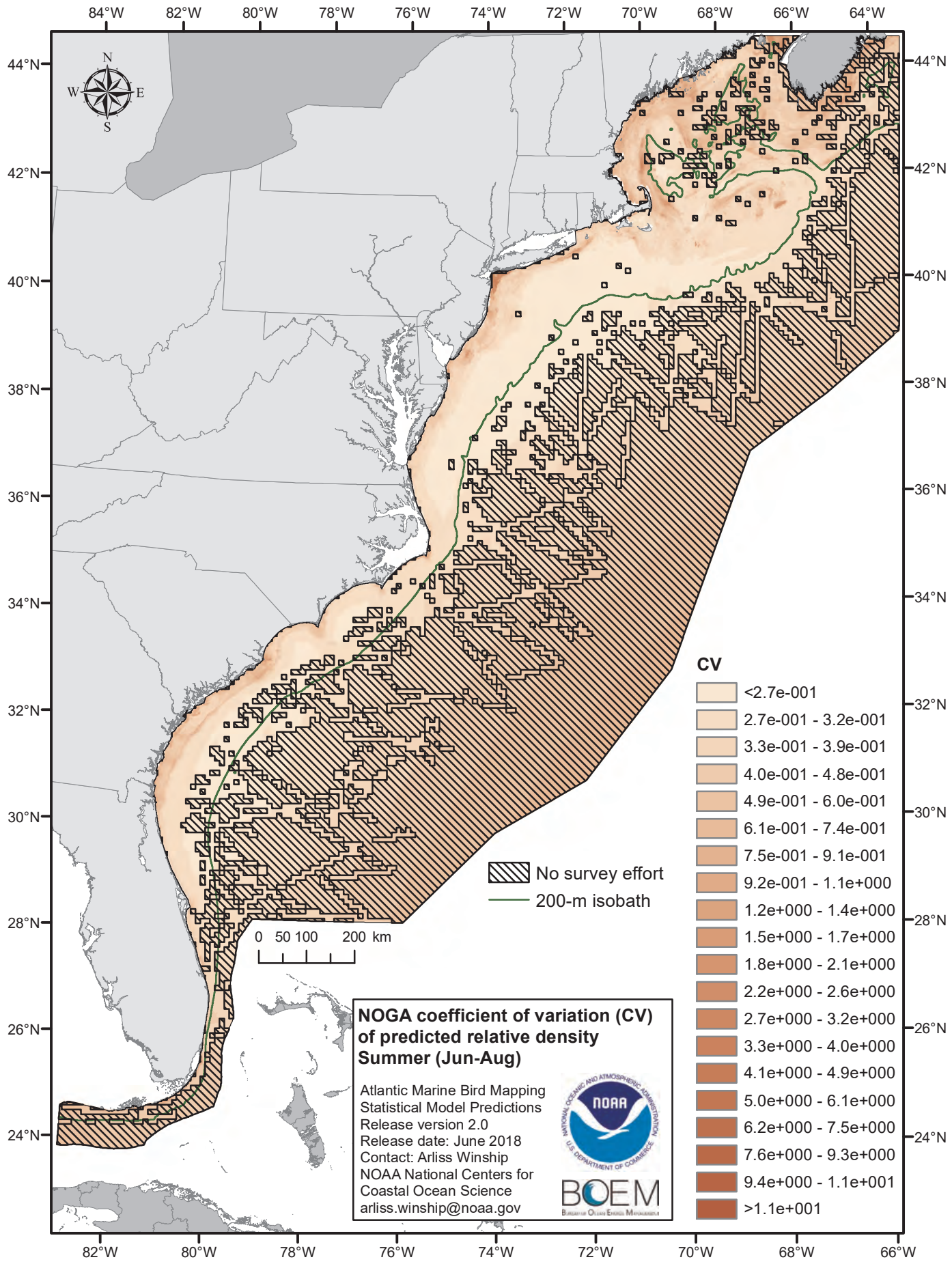
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.7e-001
2.7e-001 - 3.2e-001
3.3e-001 - 3.9e-001
4.0e-001 - 4.8e-001
4.9e-001 - 6.0e-001
6.1e-001 - 7.4e-001
7.5e-001 - 9.1e-001
9.2e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.1e+000
6.2e+000 - 7.5e+000
7.6e+000 - 9.3e+000
9.4e+000 - 1.1e+001
>1.1e+001
NOGA coefficient of variation (CV) of predicted relative density Summer (Jun-Aug)
Atlantic Marine Bird Mapping Statistical Model Predictions
Release version 2.0
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Contact: Arliss Winship
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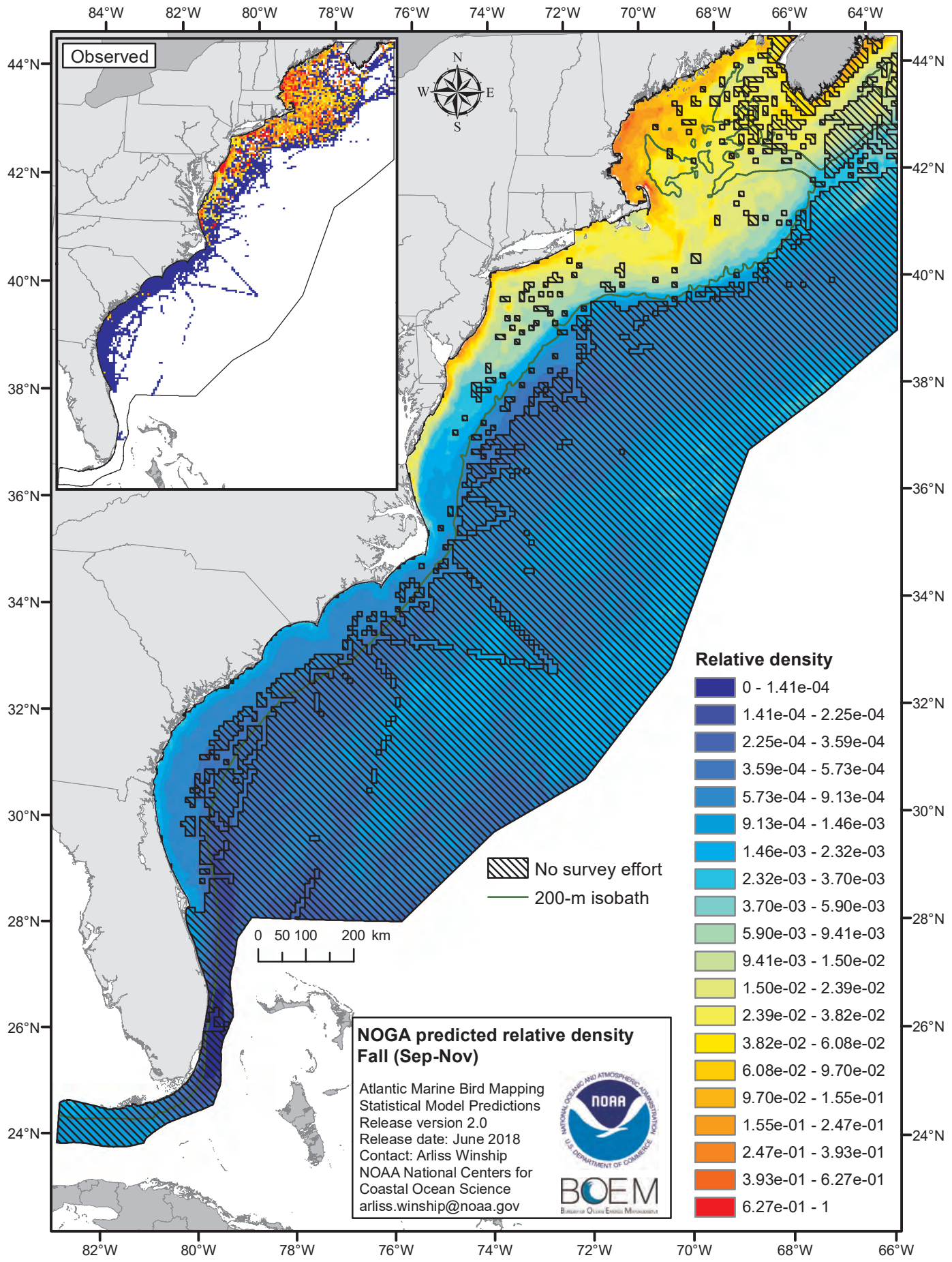
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.41e-04
1.41e-04 - 2.25e-04
2.25e-04 - 3.59e-04
3.59e-04 - 5.73e-04
5.73e-04 - 9.13e-04
9.13e-04 - 1.46e-03
1.46e-03 - 2.32e-03
2.32e-03 - 3.70e-03
3.70e-03 - 5.90e-03
5.90e-03 - 9.41e-03
9.41e-03 - 1.50e-02
1.50e-02 - 2.39e-02
2.39e-02 - 3.82e-02
3.82e-02 - 6.08e-02
6.08e-02 - 9.70e-02
9.70e-02 - 1.55e-01
1.55e-01 - 2.47e-01
2.47e-01 - 3.93e-01
3.93e-01 - 6.27e-01
6.27e-01 - 1
NOGA predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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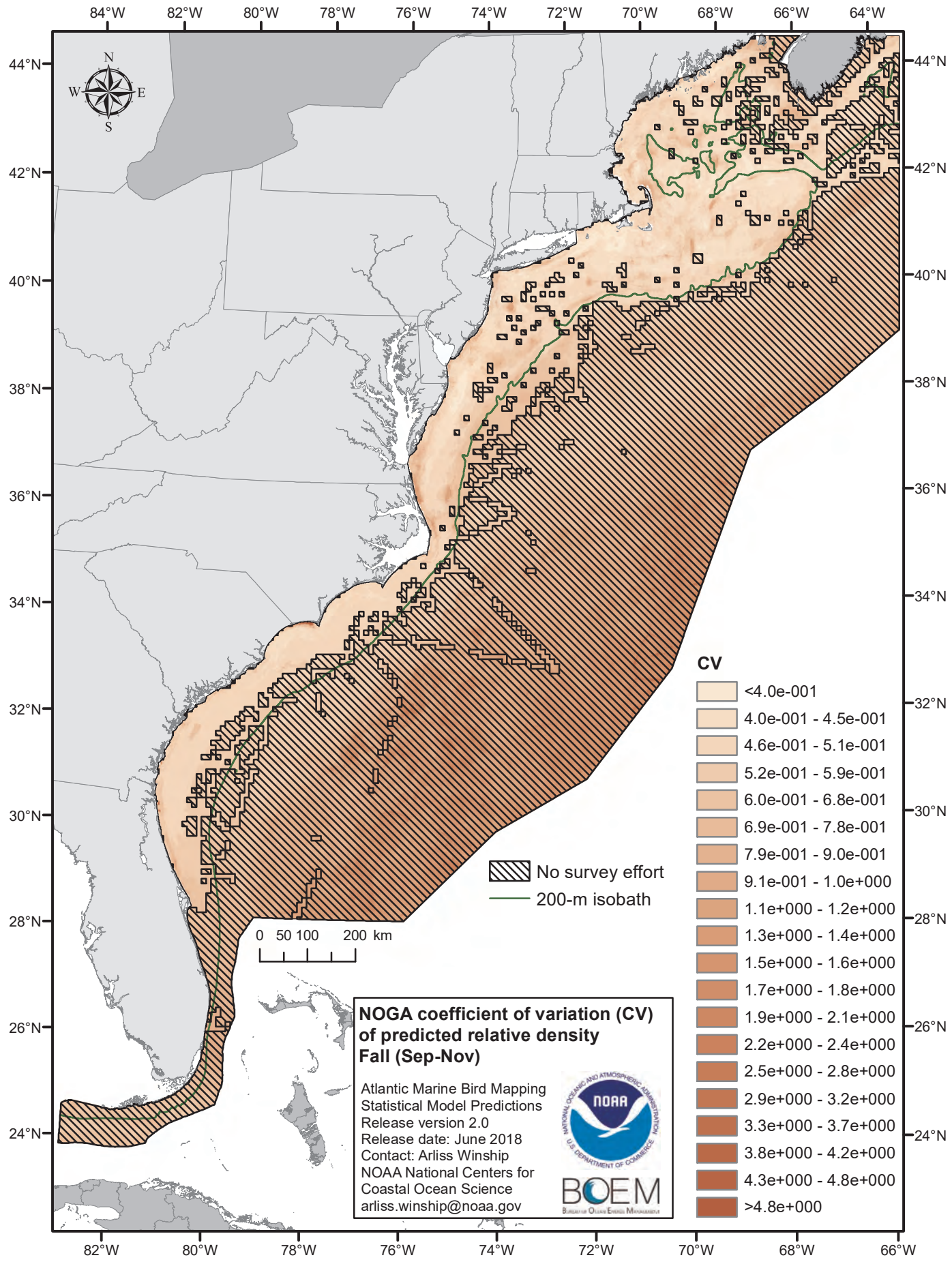
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<4.0e-001
4.0e-001 - 4.5e-001
4.6e-001 - 5.1e-001
5.2e-001 - 5.9e-001
6.0e-001 - 6.8e-001
6.9e-001 - 7.8e-001
7.9e-001 - 9.0e-001
9.1e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.2e+000
3.3e+000 - 3.7e+000
3.8e+000 - 4.2e+000
4.3e+000 - 4.8e+000
>4.8e+000
NOGA coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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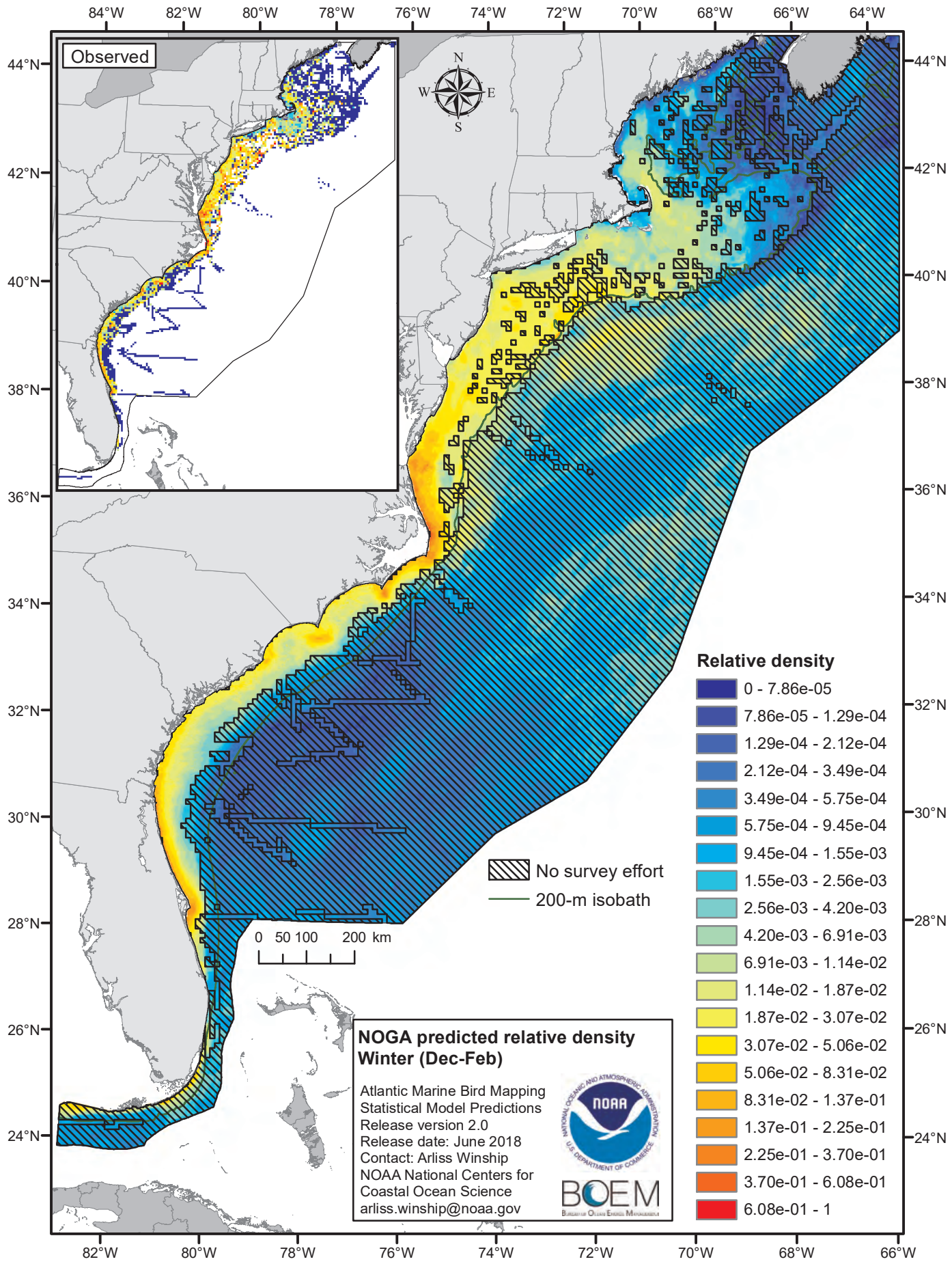
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 7.86e-05
7.86e-05 - 1.29e-04
1.29e-04 - 2.12e-04
2.12e-04 - 3.49e-04
3.49e-04 - 5.75e-04
5.75e-04 - 9.45e-04
9.45e-04 - 1.55e-03
1.55e-03 - 2.56e-03
2.56e-03 - 4.20e-03
4.20e-03 - 6.91e-03
6.91e-03 - 1.14e-02
1.14e-02 - 1.87e-02
1.87e-02 - 3.07e-02
3.07e-02 - 5.06e-02
5.06e-02 - 8.31e-02
8.31e-02 - 1.37e-01
1.37e-01 - 2.25e-01
2.25e-01 - 3.70e-01
3.70e-01 - 6.08e-01
6.08e-01 - 1
NOGA predicted relative density
Winter (Dec-Feb)
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Statistical Model Predictions
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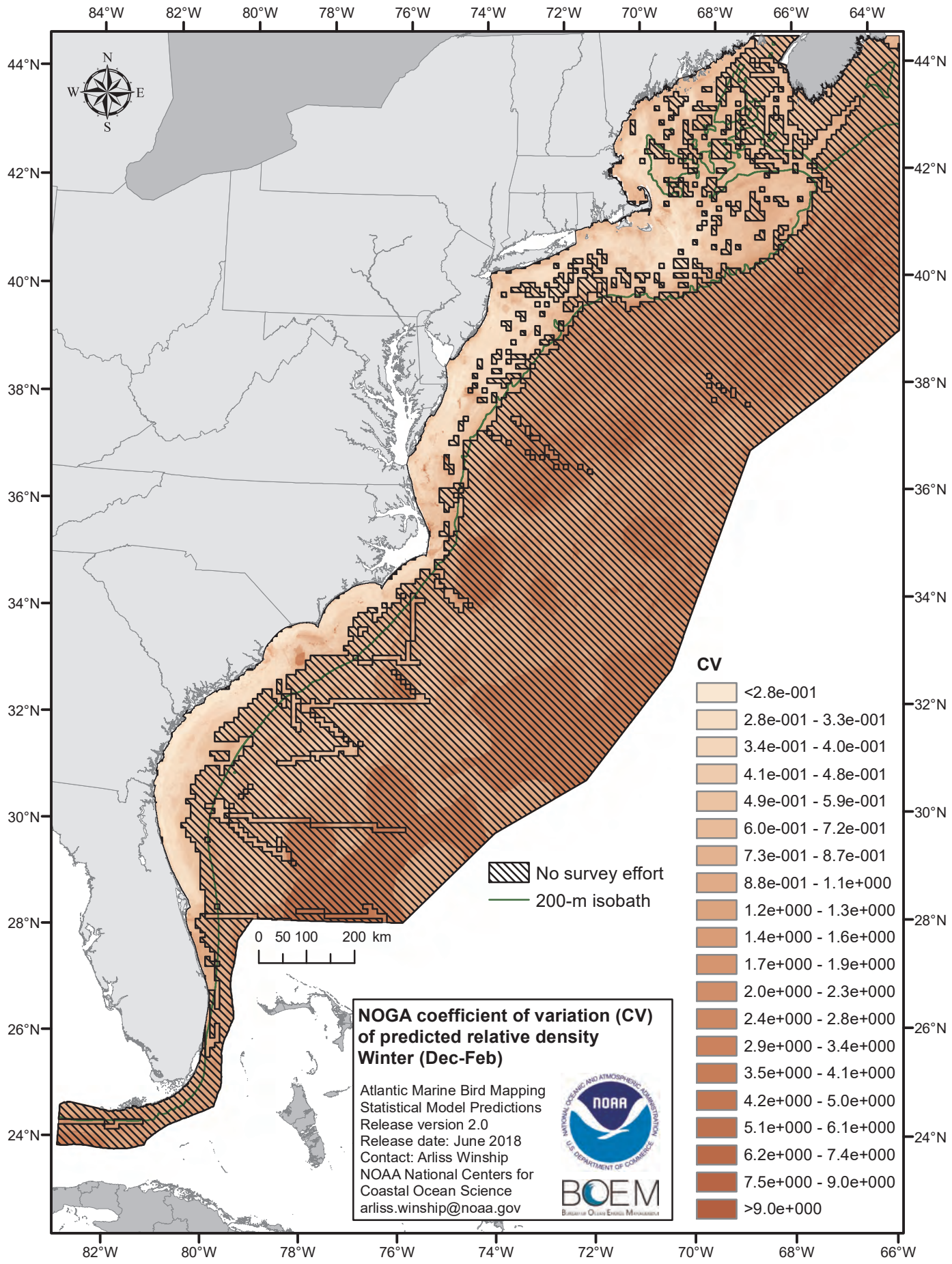
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.8e-001
2.8e-001 - 3.3e-001
3.4e-001 - 4.0e-001
4.1e-001 - 4.8e-001
4.9e-001 - 5.9e-001
6.0e-001 - 7.2e-001
7.3e-001 - 8.7e-001
8.8e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.1e+000
4.2e+000 - 5.0e+000
5.1e+000 - 6.1e+000
6.2e+000 - 7.4e+000
7.5e+000 - 9.0e+000
>9.0e+000
NOGA coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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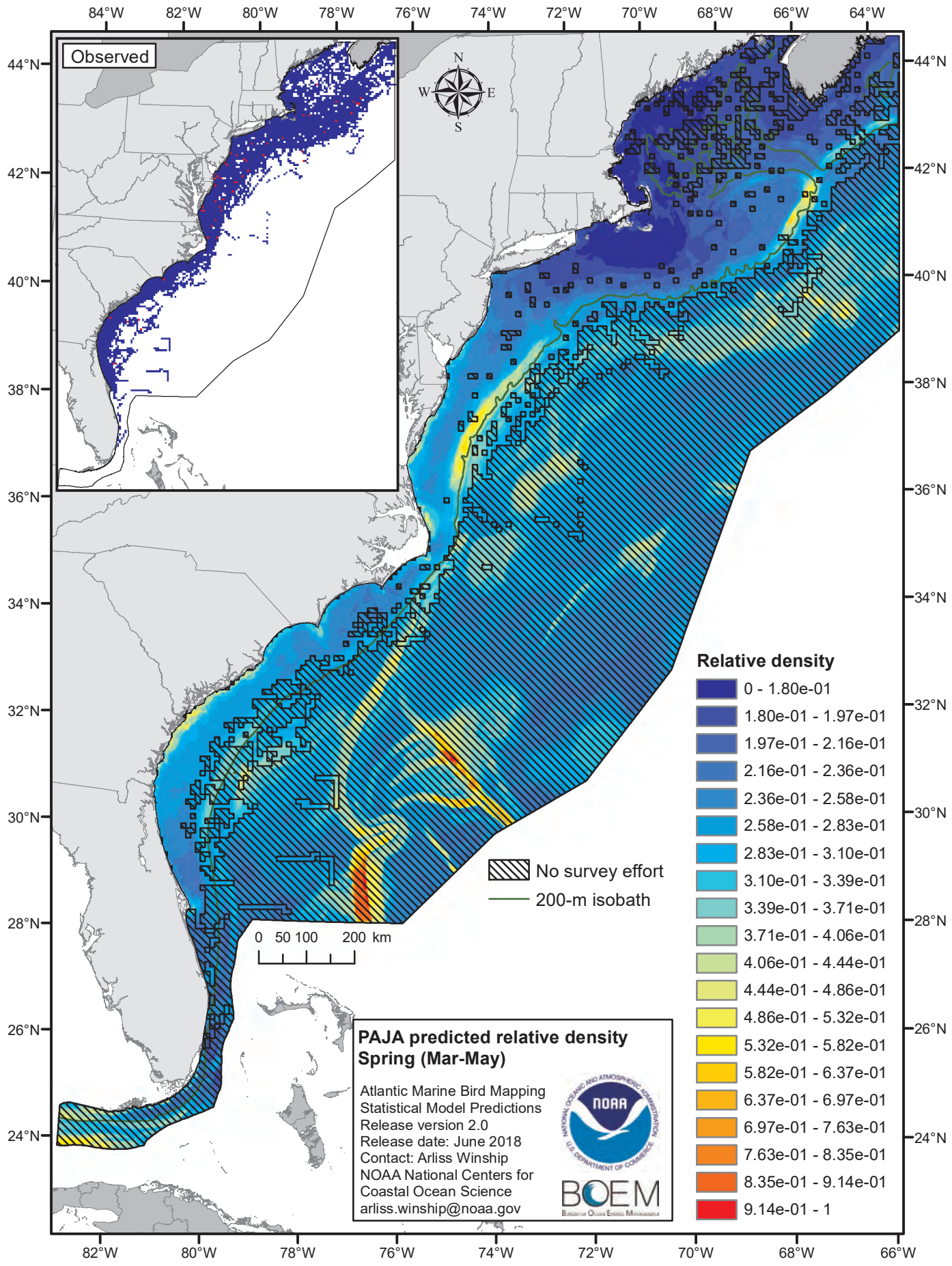
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.80e-01
1.80e-01 - 1.97e-01
1.97e-01 - 2.16e-01
2.16e-01 - 2.36e-01
2.36e-01 - 2.58e-01
2.58e-01 - 2.83e-01
2.83e-01 - 3.10e-01
3.10e-01 - 3.39e-01
3.39e-01 - 3.71e-01
3.71e-01 - 4.06e-01
4.06e-01 - 4.44e-01
4.44e-01 - 4.86e-01
4.86e-01 - 5.32e-01
5.32e-01 - 5.82e-01
5.82e-01 - 6.37e-01
6.37e-01 - 6.97e-01
6.97e-01 - 7.63e-01
7.63e-01 - 8.35e-01
8.35e-01 - 9.14e-01
9.14e-01 - 1
PAJA predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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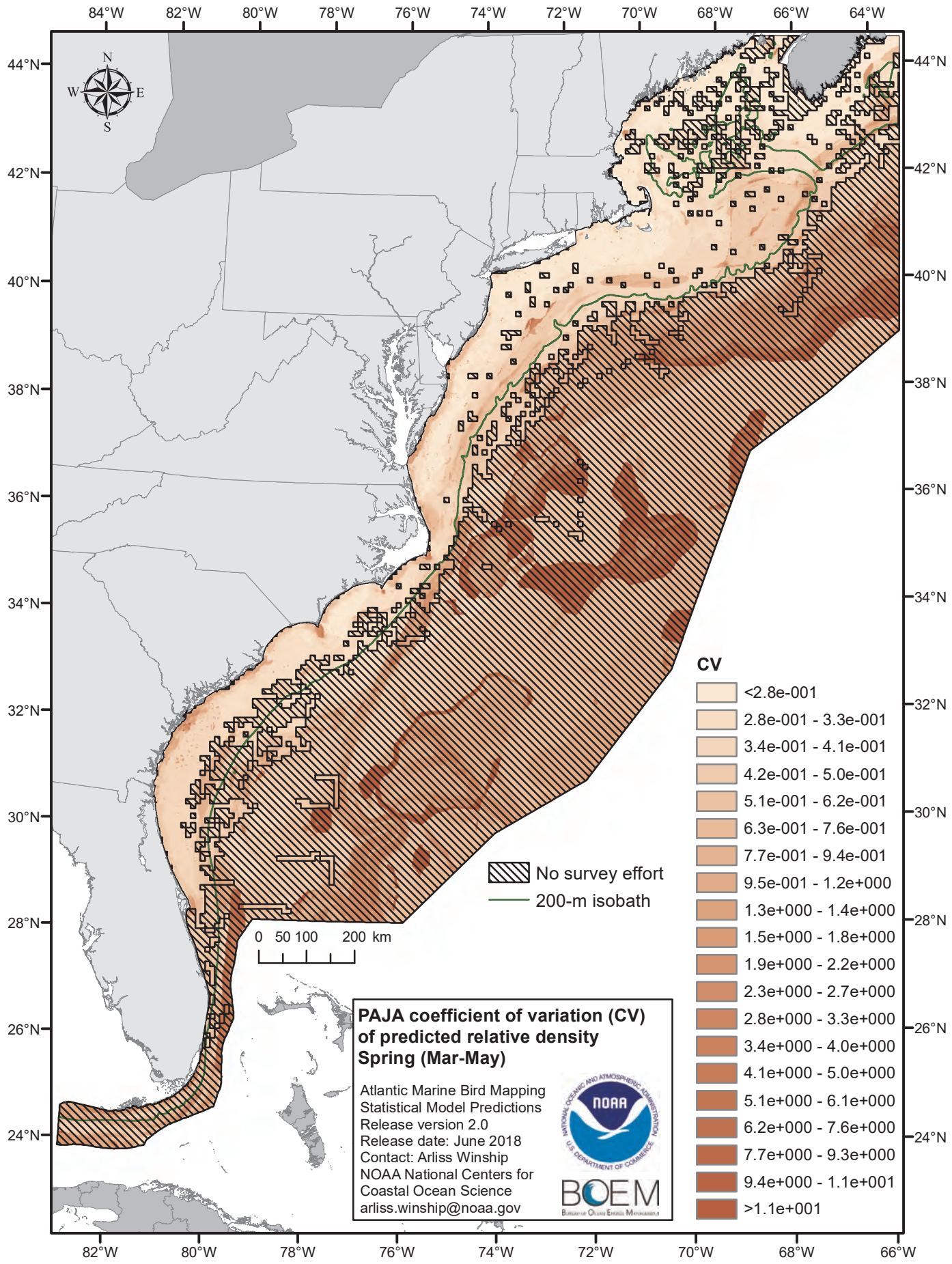
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.8e-001
2.8e-001 - 3.3e-001
3.4e-001 - 4.1e-001
4.2e-001 - 5.0e-001
5.1e-001 - 6.2e-001
6.3e-001 - 7.6e-001
7.7e-001 - 9.4e-001
9.5e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 5.0e+000
5.1e+000 - 6.1e+000
6.2e+000 - 7.6e+000
7.7e+000 - 9.3e+000
9.4e+000 - 1.1e+001
>1.1e+001
PAJA coefficient of variation (CV) of predicted relative density
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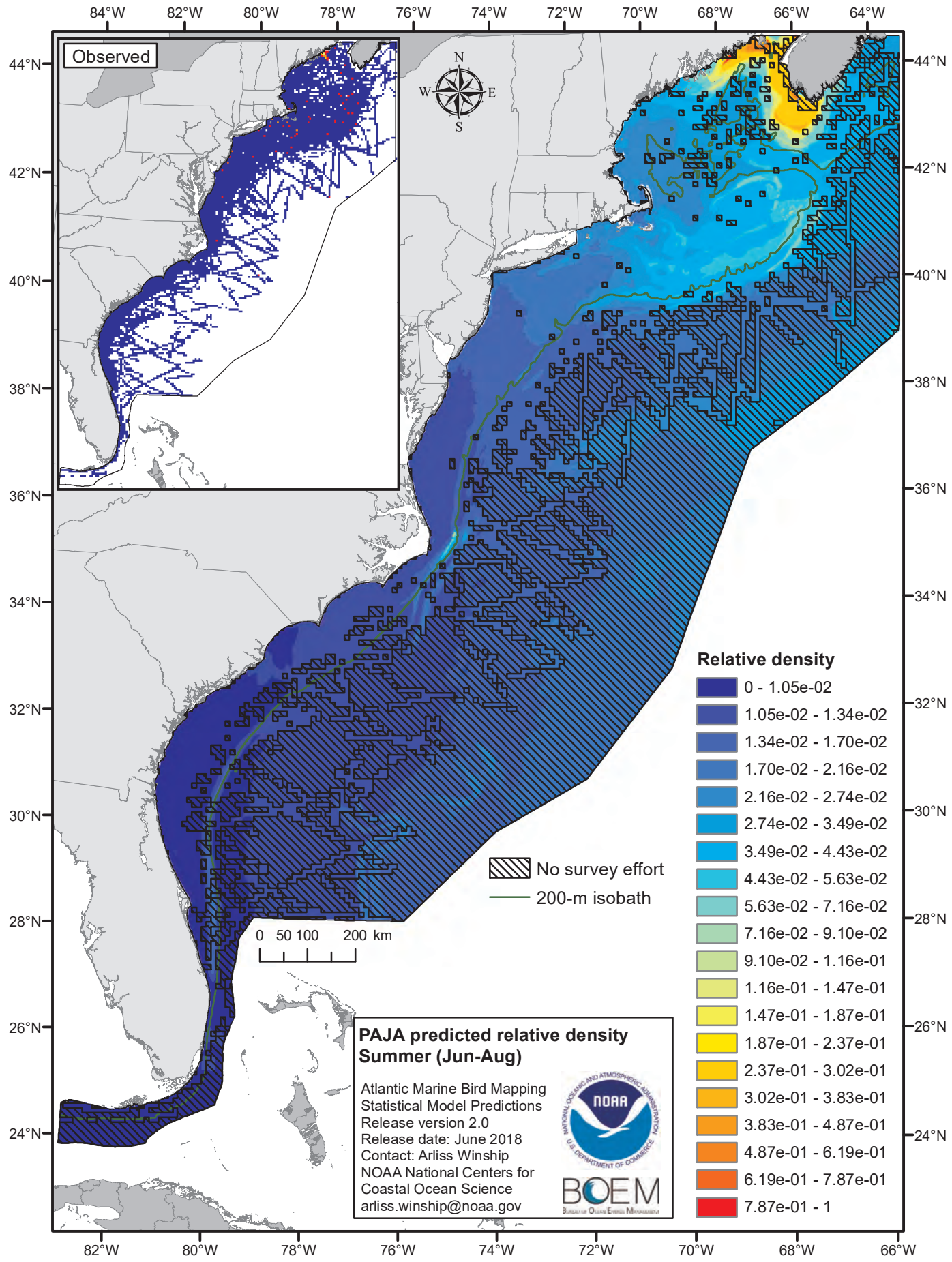
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.05e-02
1.05e-02 - 1.34e-02
1.34e-02 - 1.70e-02
1.70e-02 - 2.16e-02
2.16e-02 - 2.74e-02
2.74e-02 - 3.49e-02
3.49e-02 - 4.43e-02
4.43e-02 - 5.63e-02
5.63e-02 - 7.16e-02
7.16e-02 - 9.10e-02
9.10e-02 - 1.16e-01
1.16e-01 - 1.47e-01
1.47e-01 - 1.87e-01
1.87e-01 - 2.37e-01
2.37e-01 - 3.02e-01
3.02e-01 - 3.83e-01
3.83e-01 - 4.87e-01
4.87e-01 - 6.19e-01
6.19e-01 - 7.87e-01
7.87e-01 - 1
PAJA predicted relative density
Summer (Jun-Aug)
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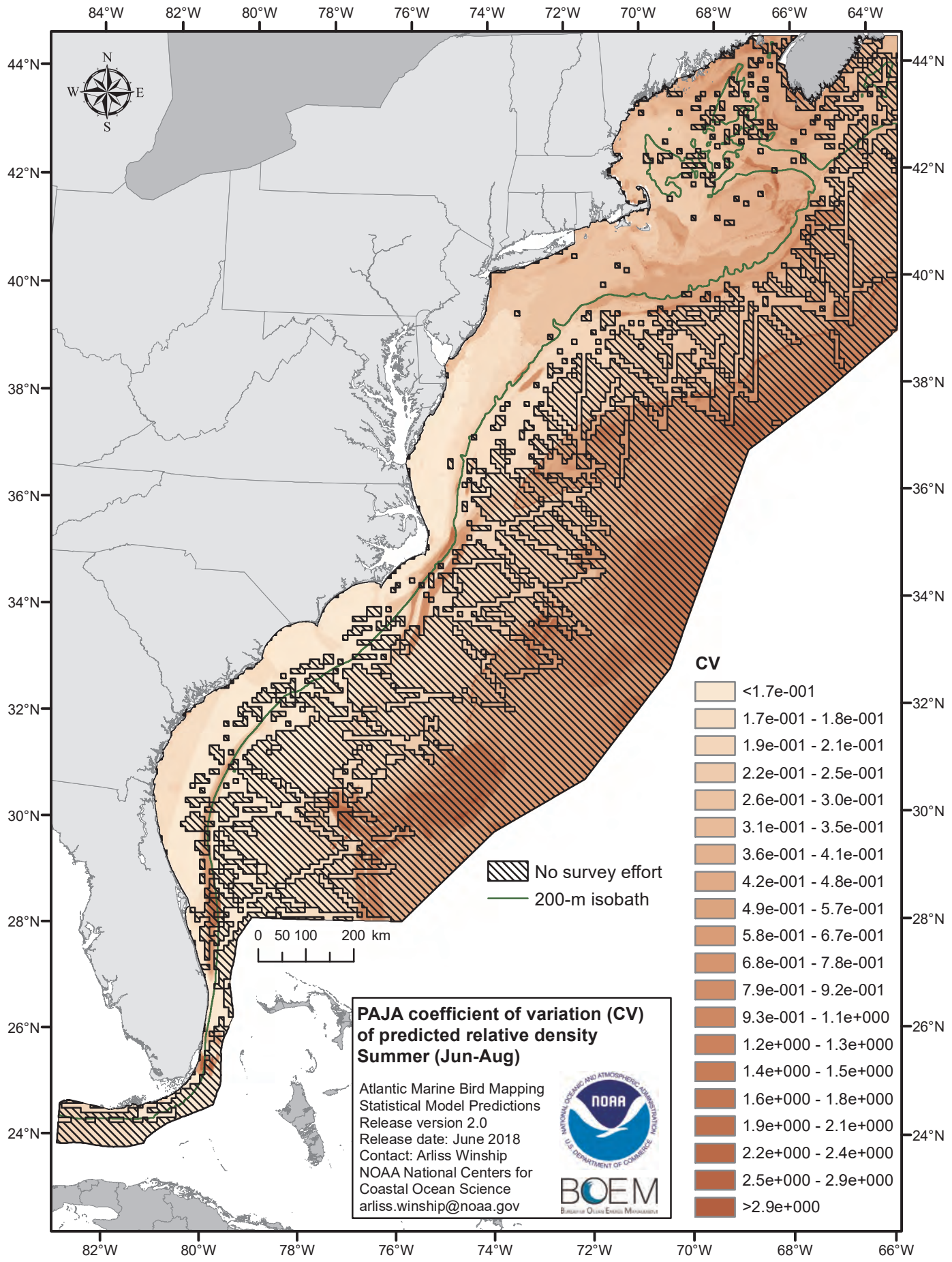
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<1.7e-001
1.7e-001 - 1.8e-001
1.9e-001 - 2.1e-001
2.2e-001 - 2.5e-001
2.6e-001 - 3.0e-001
3.1e-001 - 3.5e-001
3.6e-001 - 4.1e-001
4.2e-001 - 4.8e-001
4.9e-001 - 5.7e-001
5.8e-001 - 6.7e-001
6.8e-001 - 7.8e-001
7.9e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.9e+000
>2.9e+000
PAJA coefficient of variation (CV) of predicted relative density
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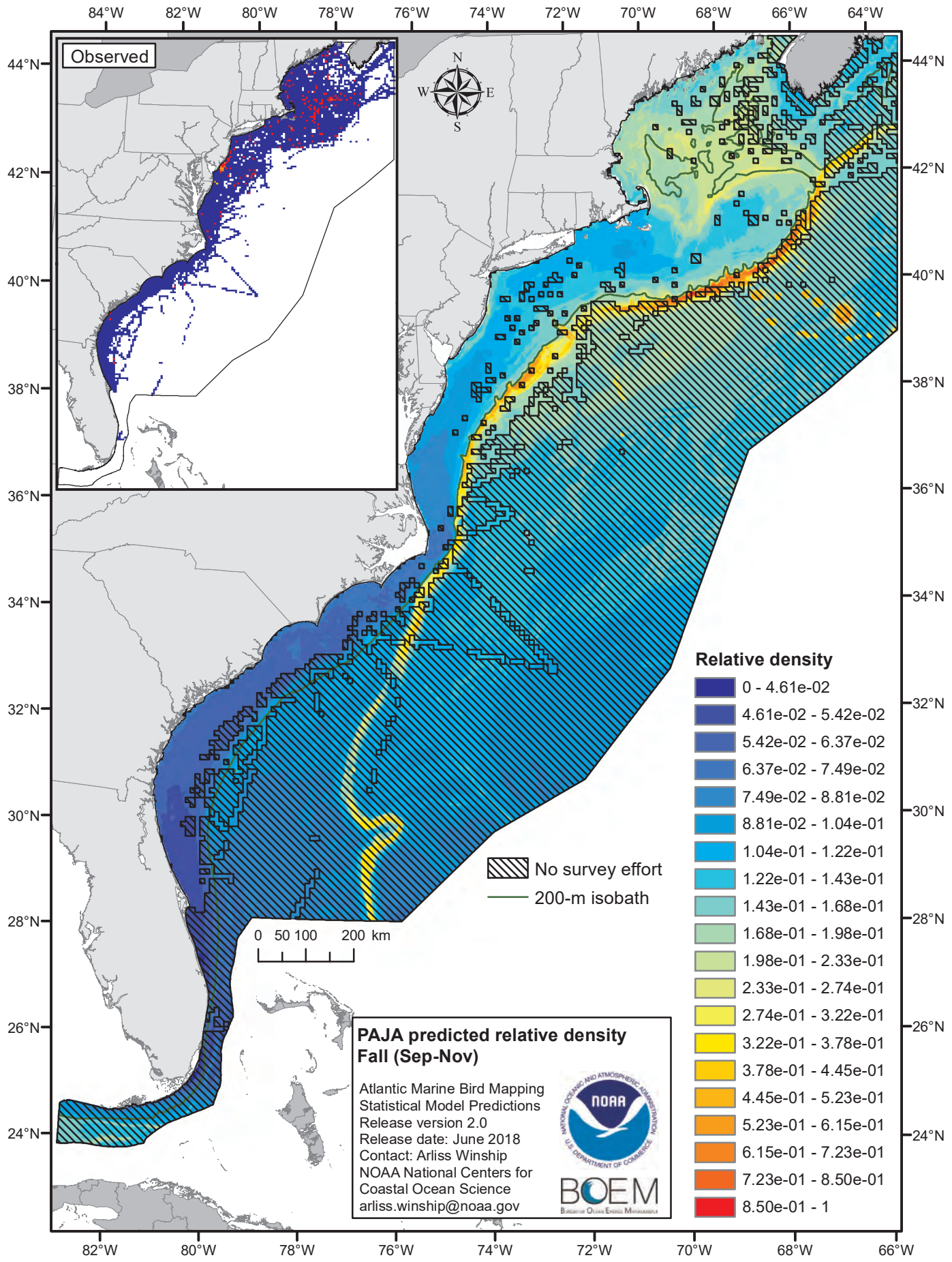
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.61e-02
4.61e-02 - 5.42e-02
5.42e-02 - 6.37e-02
6.37e-02 - 7.49e-02
7.49e-02 - 8.81e-02
8.81e-02 - 1.04e-01
1.04e-01 - 1.22e-01
1.22e-01 - 1.43e-01
1.43e-01 - 1.68e-01
1.68e-01 - 1.98e-01
1.98e-01 - 2.33e-01
2.33e-01 - 2.74e-01
2.74e-01 - 3.22e-01
3.22e-01 - 3.78e-01
3.78e-01 - 4.45e-01
4.45e-01 - 5.23e-01
5.23e-01 - 6.15e-01
6.15e-01 - 7.23e-01
7.23e-01 - 8.50e-01
8.50e-01 - 1
PAJA predicted relative density
Fall (Sep-Nov)
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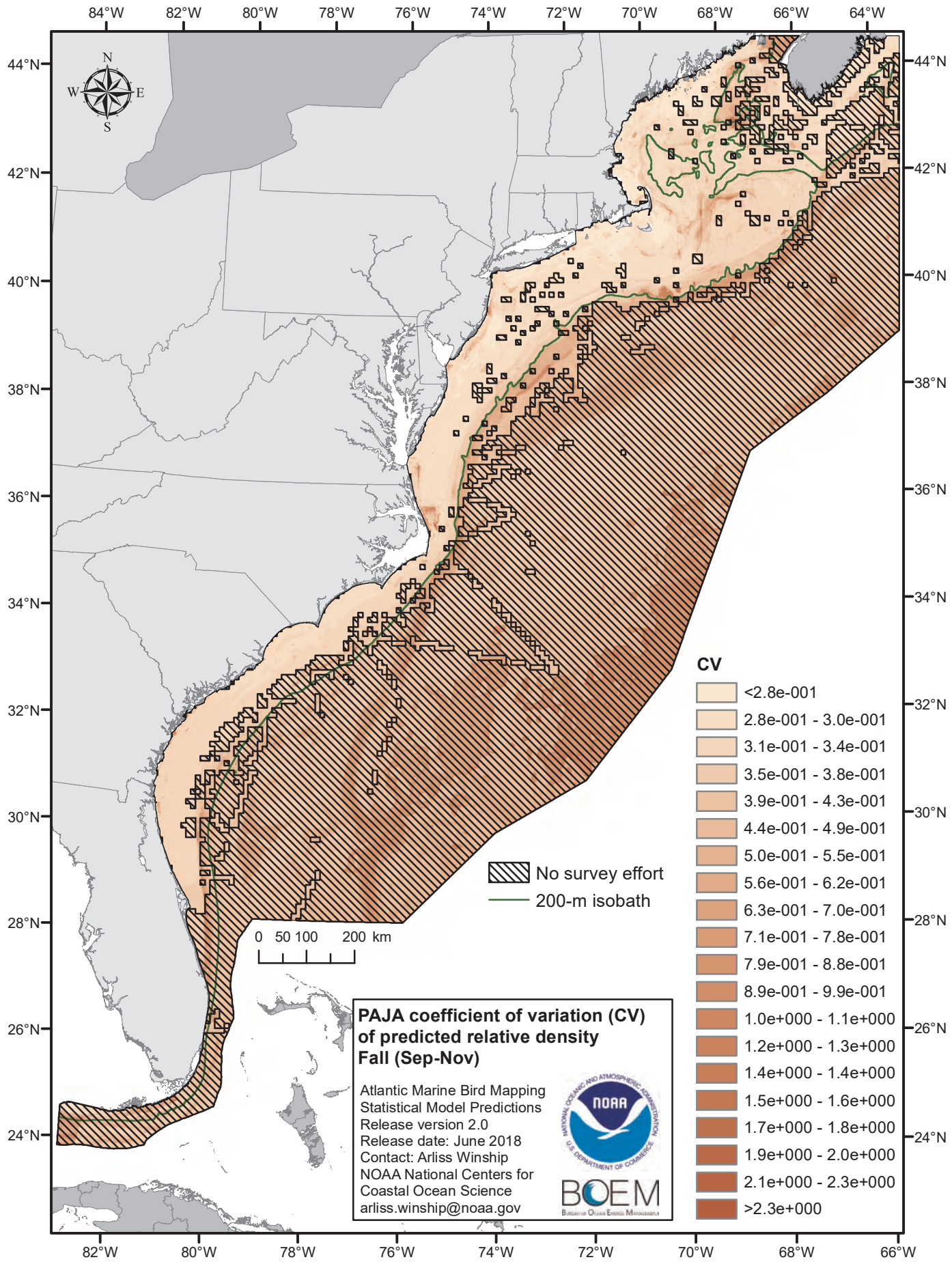
84°W
82°W
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78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.8e-001
2.8e-001 - 3.0e-001
3.1e-001 - 3.4e-001
3.5e-001 - 3.8e-001
3.9e-001 - 4.3e-001
4.4e-001 - 4.9e-001
5.0e-001 - 5.5e-001
5.6e-001 - 6.2e-001
6.3e-001 - 7.0e-001
7.1e-001 - 7.8e-001
7.9e-001 - 8.8e-001
8.9e-001 - 9.9e-001
1.0e+000 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.0e+000
2.1e+000 - 2.3e+000
>2.3e+000
PAJA coefficient of variation (CV) of predicted relative density
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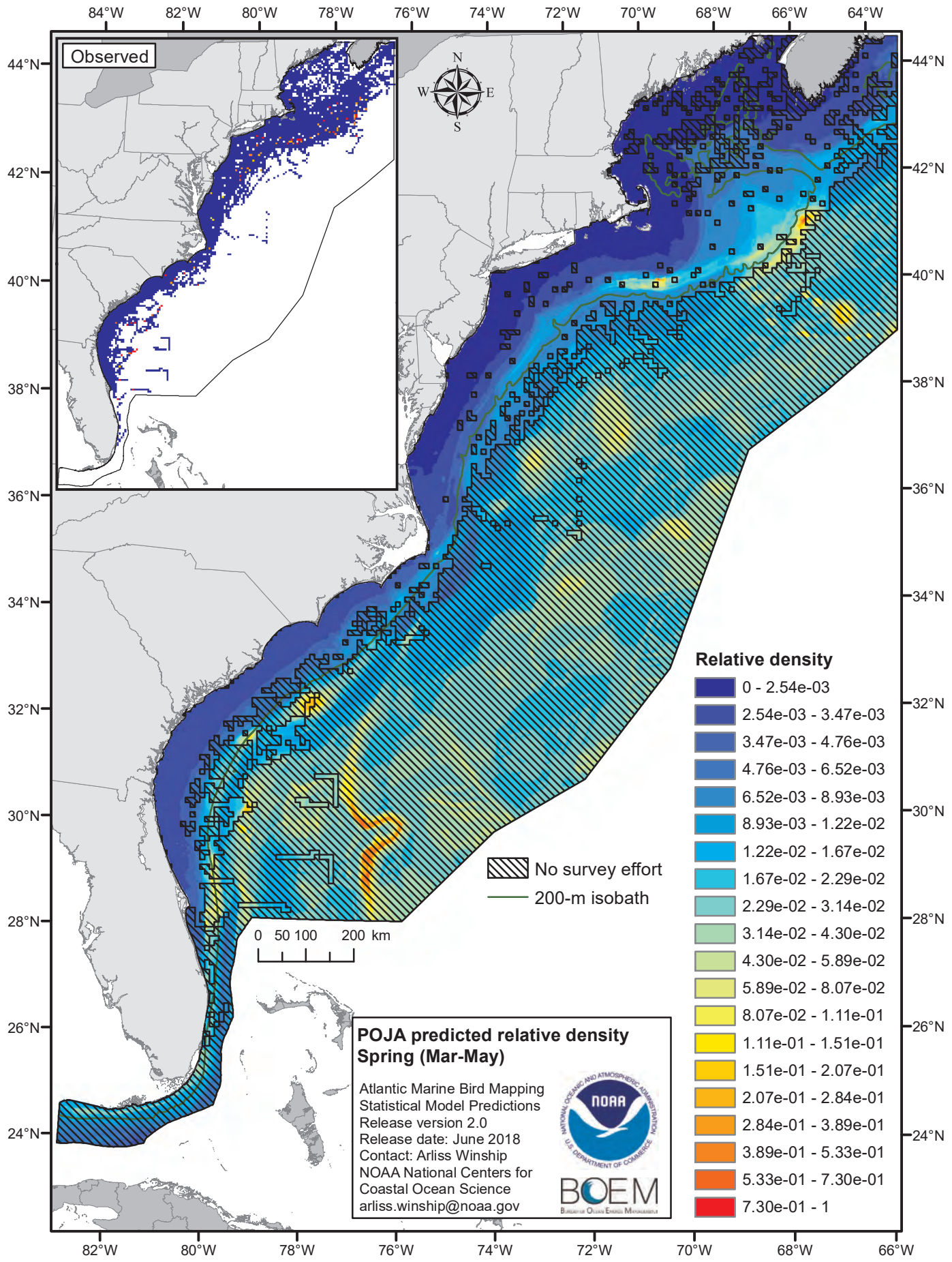
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.54e-03
2.54e-03 - 3.47e-03
3.47e-03 - 4.76e-03
4.76e-03 - 6.52e-03
6.52e-03 - 8.93e-03
8.93e-03 - 1.22e-02
1.22e-02 - 1.67e-02
1.67e-02 - 2.29e-02
2.29e-02 - 3.14e-02
3.14e-02 - 4.30e-02
4.30e-02 - 5.89e-02
5.89e-02 - 8.07e-02
8.07e-02 - 1.11e-01
1.11e-01 - 1.51e-01
1.51e-01 - 2.07e-01
2.07e-01 - 2.84e-01
2.84e-01 - 3.89e-01
3.89e-01 - 5.33e-01
5.33e-01 - 7.30e-01
7.30e-01 - 1
POJA predicted relative density
Spring (Mar-May)
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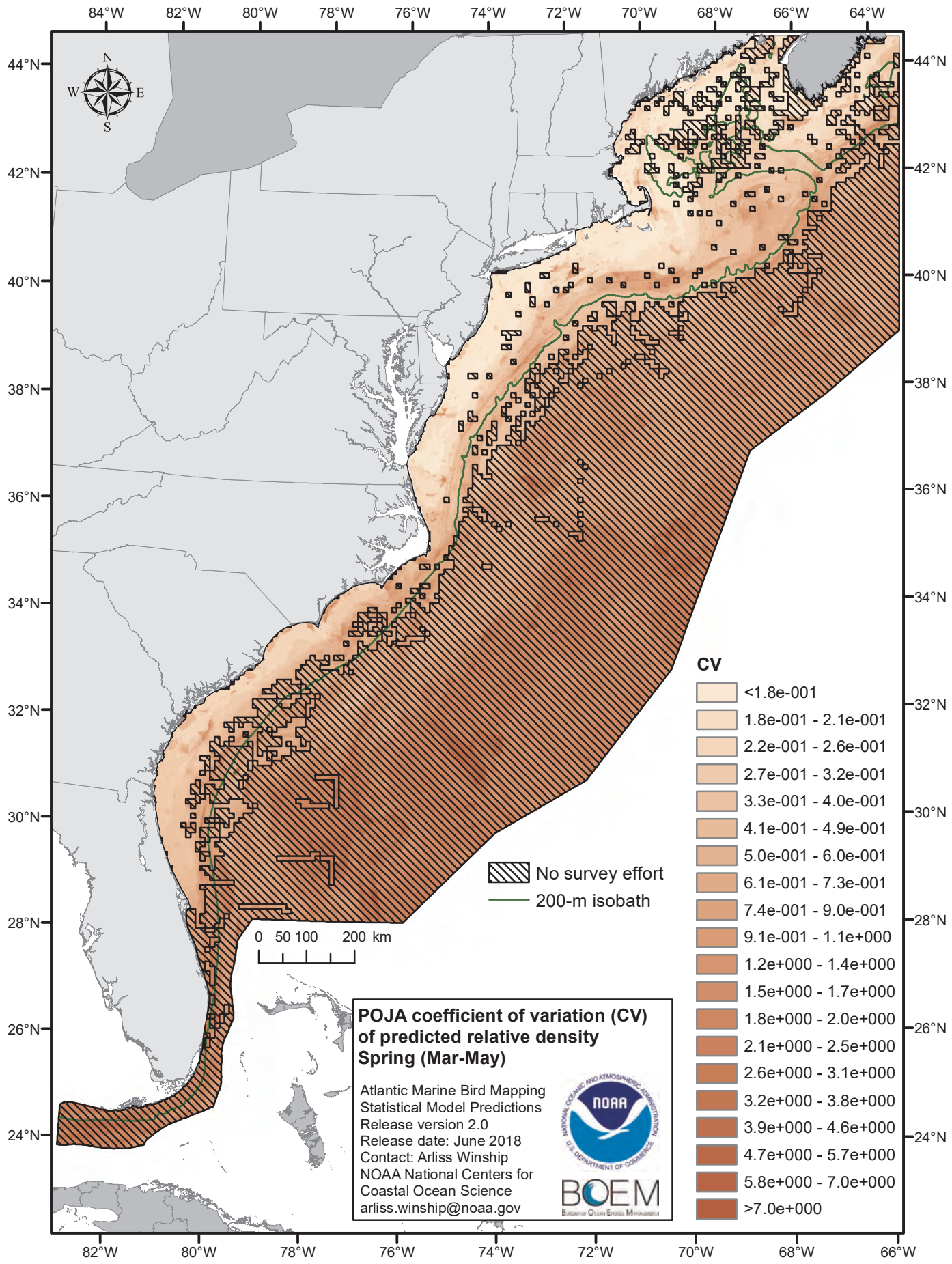
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<1.8e-001
1.8e-001 - 2.1e-001
2.2e-001 - 2.6e-001
2.7e-001 - 3.2e-001
3.3e-001 - 4.0e-001
4.1e-001 - 4.9e-001
5.0e-001 - 6.0e-001
6.1e-001 - 7.3e-001
7.4e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.8e+000
3.9e+000 - 4.6e+000
4.7e+000 - 5.7e+000
5.8e+000 - 7.0e+000
>7.0e+000
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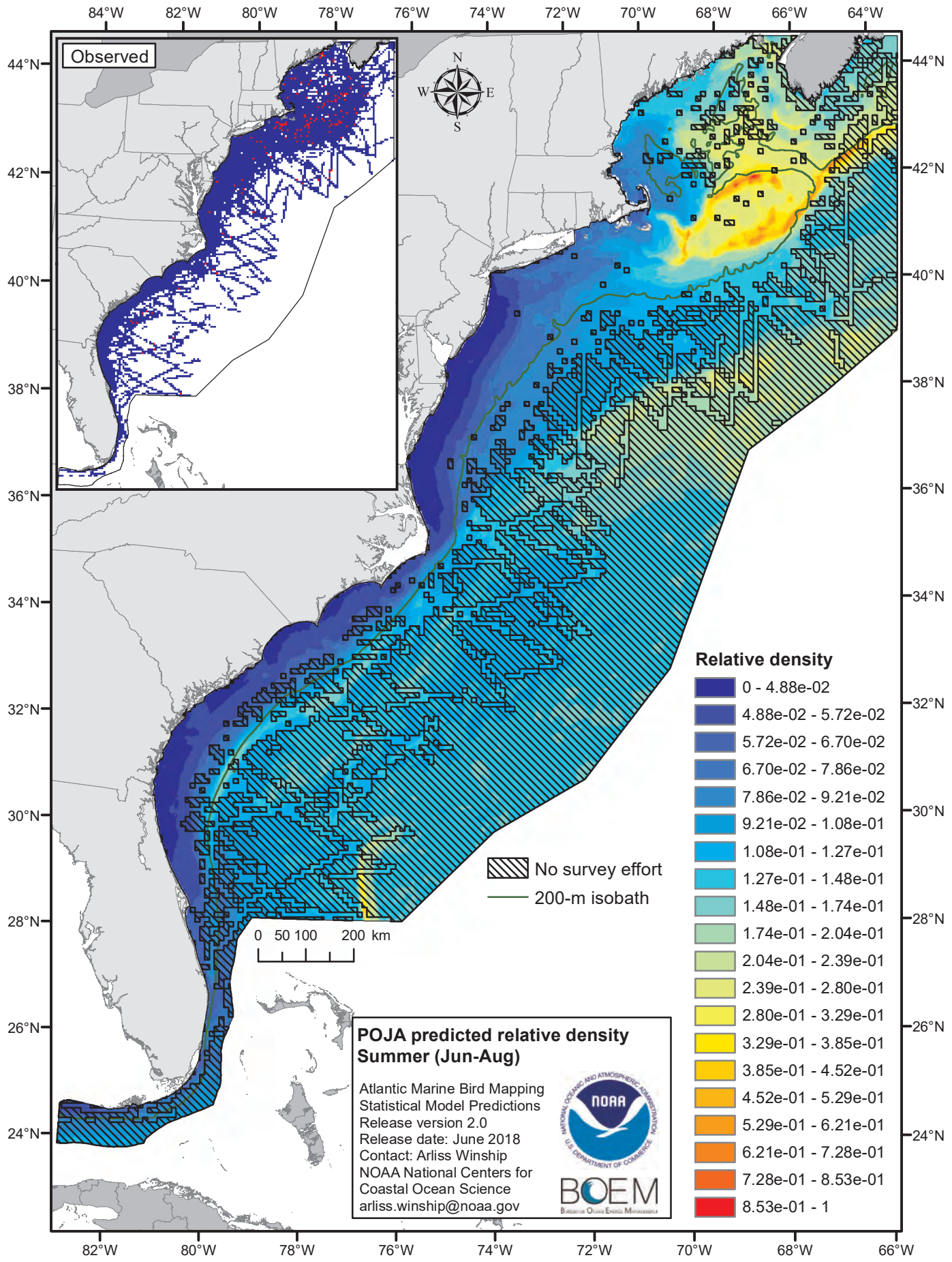
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.88e-02
4.88e-02 - 5.72e-02
5.72e-02 - 6.70e-02
6.70e-02 - 7.86e-02
7.86e-02 - 9.21e-02
9.21e-02 - 1.08e-01
1.08e-01 - 1.27e-01
1.27e-01 - 1.48e-01
1.48e-01 - 1.74e-01
1.74e-01 - 2.04e-01
2.04e-01 - 2.39e-01
2.39e-01 - 2.80e-01
2.80e-01 - 3.29e-01
3.29e-01 - 3.85e-01
3.85e-01 - 4.52e-01
4.52e-01 - 5.29e-01
5.29e-01 - 6.21e-01
6.21e-01 - 7.28e-01
7.28e-01 - 8.53e-01
8.53e-01 - 1
POJA predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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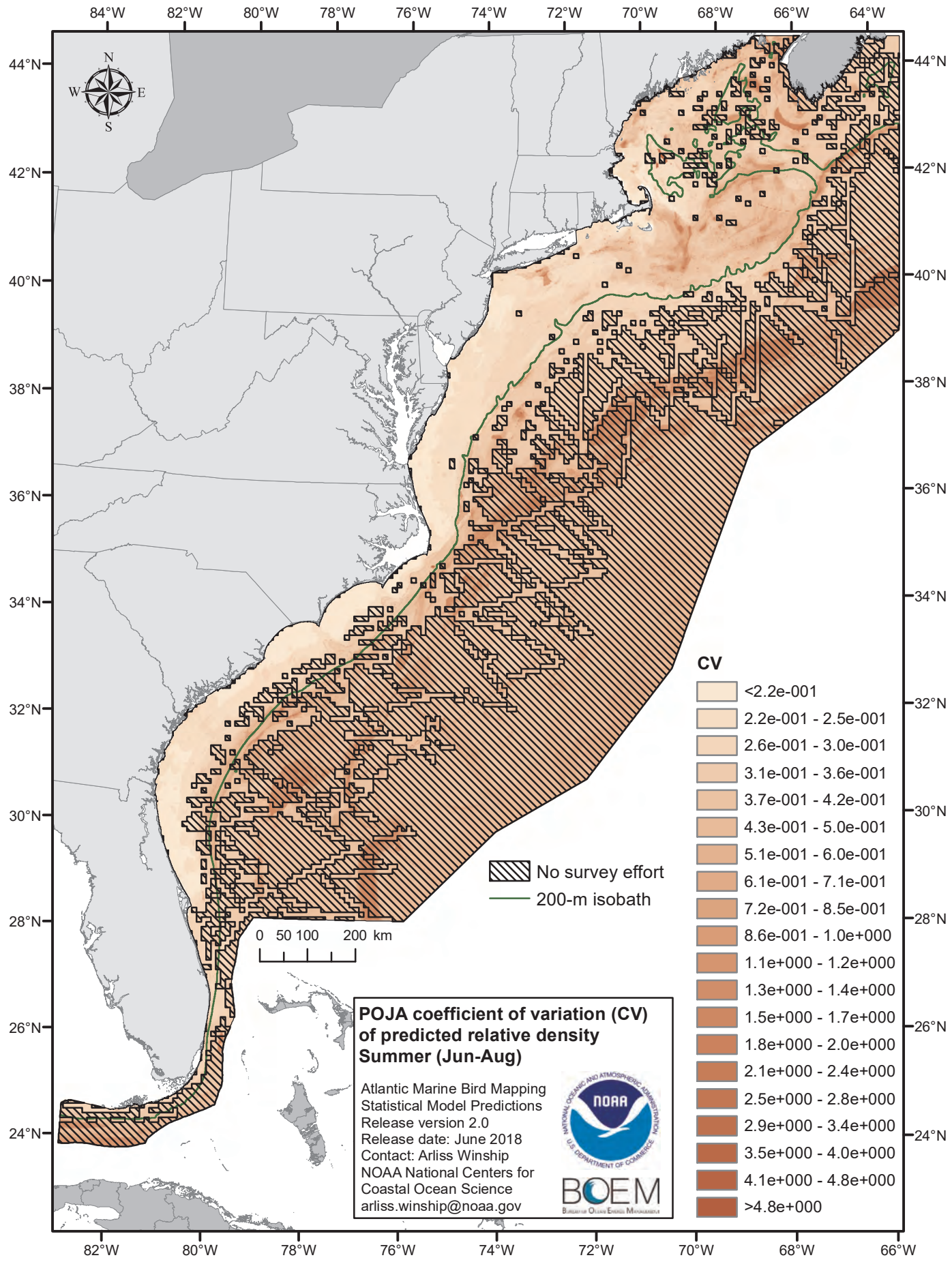
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.2e-001
2.2e-001 - 2.5e-001
2.6e-001 - 3.0e-001
3.1e-001 - 3.6e-001
3.7e-001 - 4.2e-001
4.3e-001 - 5.0e-001
5.1e-001 - 6.0e-001
6.1e-001 - 7.1e-001
7.2e-001 - 8.5e-001
8.6e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.0e+000
4.1e+000 - 4.8e+000
>4.8e+000
POJA coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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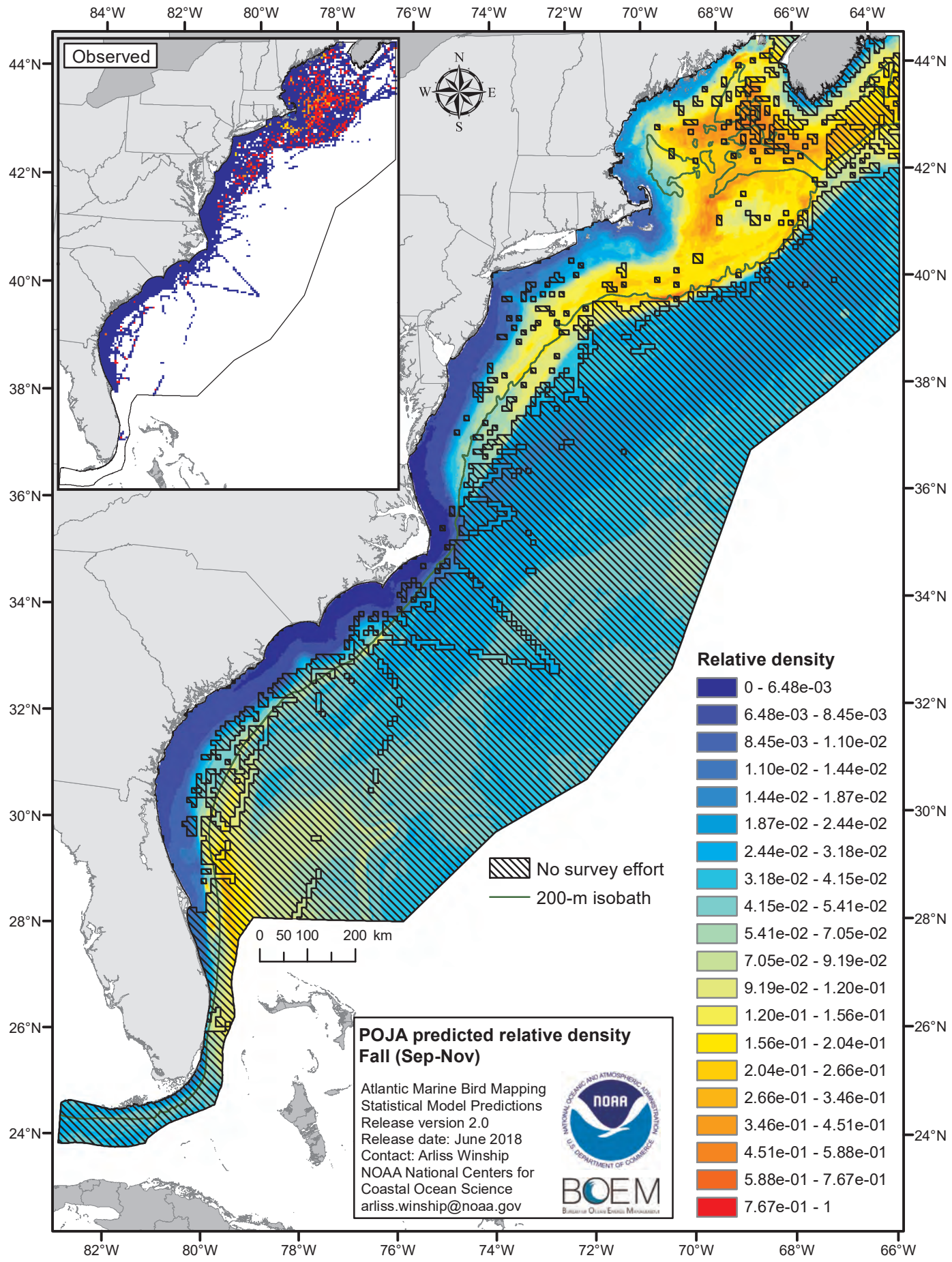
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.48e-03
6.48e-03 - 8.45e-03
8.45e-03 - 1.10e-02
1.10e-02 - 1.44e-02
1.44e-02 - 1.87e-02
1.87e-02 - 2.44e-02
2.44e-02 - 3.18e-02
3.18e-02 - 4.15e-02
4.15e-02 - 5.41e-02
5.41e-02 - 7.05e-02
7.05e-02 - 9.19e-02
9.19e-02 - 1.20e-01
1.20e-01 - 1.56e-01
1.56e-01 - 2.04e-01
2.04e-01 - 2.66e-01
2.66e-01 - 3.46e-01
3.46e-01 - 4.51e-01
4.51e-01 - 5.88e-01
5.88e-01 - 7.67e-01
7.67e-01 - 1
POJA predicted relative density
Fall (Sep-Nov)
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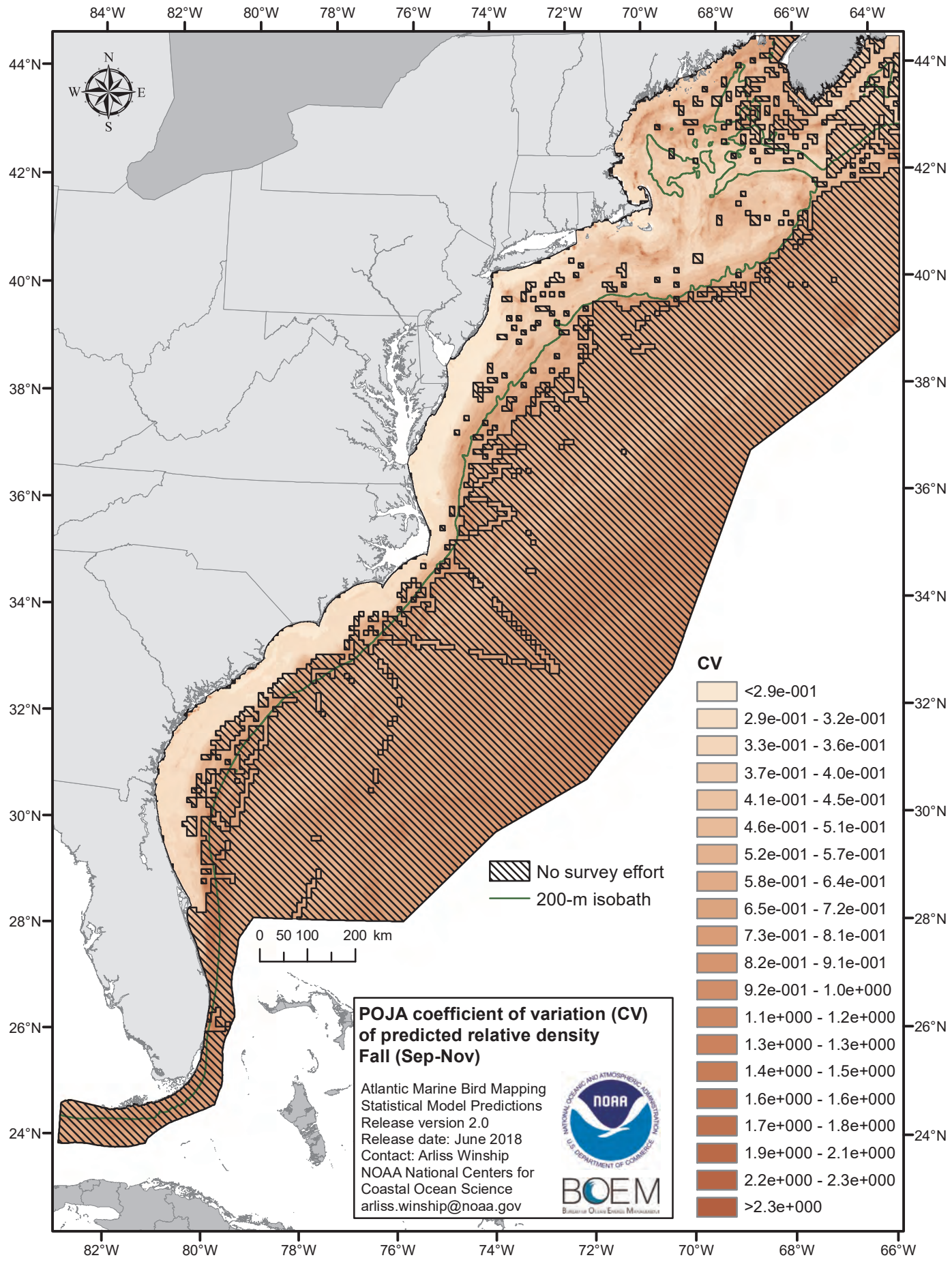
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.9e-001
2.9e-001 - 3.2e-001
3.3e-001 - 3.6e-001
3.7e-001 - 4.0e-001
4.1e-001 - 4.5e-001
4.6e-001 - 5.1e-001
5.2e-001 - 5.7e-001
5.8e-001 - 6.4e-001
6.5e-001 - 7.2e-001
7.3e-001 - 8.1e-001
8.2e-001 - 9.1e-001
9.2e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.3e+000
>2.3e+000
POJA coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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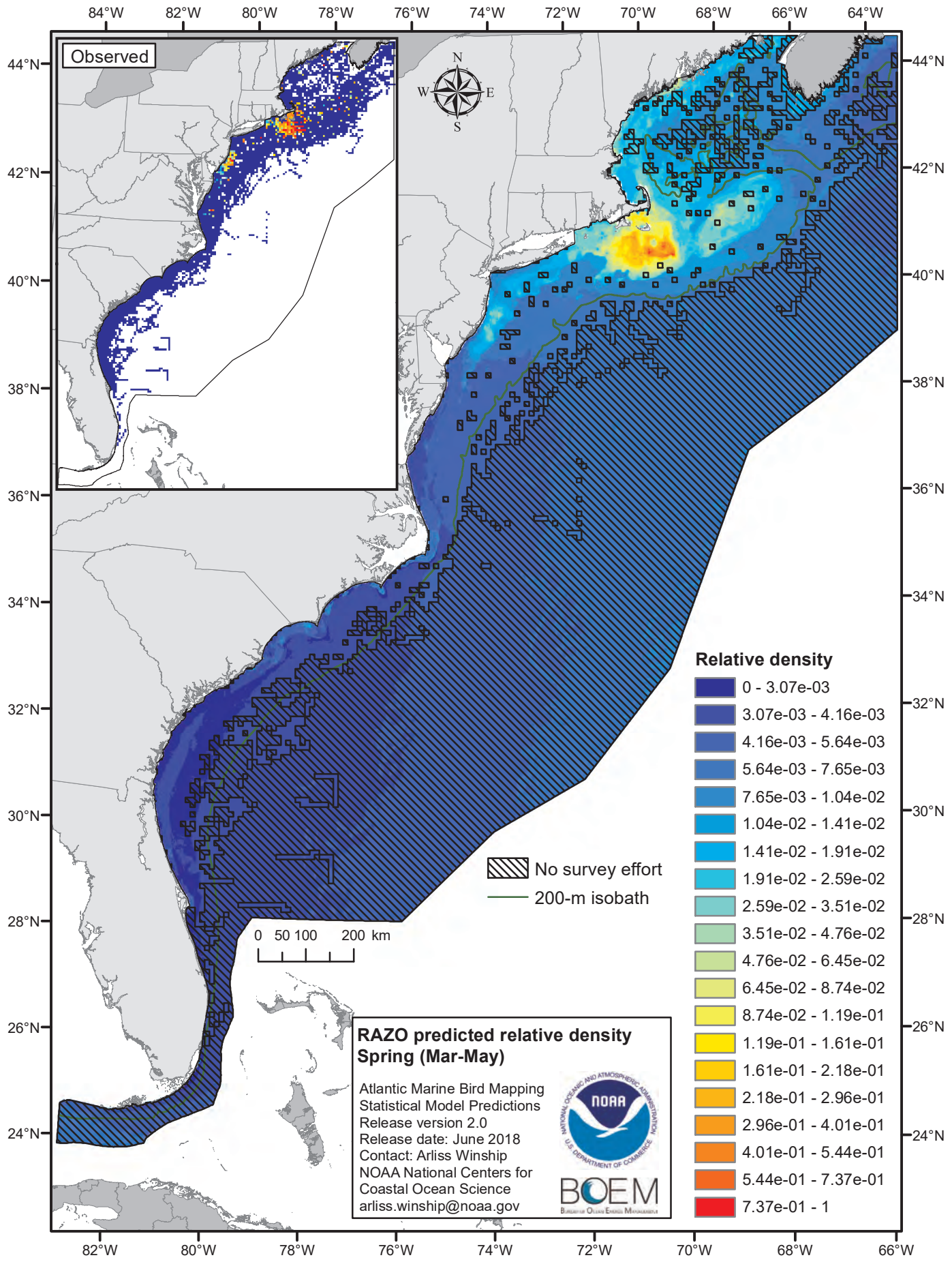
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.07e-03
3.07e-03 - 4.16e-03
4.16e-03 - 5.64e-03
5.64e-03 - 7.65e-03
7.65e-03 - 1.04e-02
1.04e-02 - 1.41e-02
1.41e-02 - 1.91e-02
1.91e-02 - 2.59e-02
2.59e-02 - 3.51e-02
3.51e-02 - 4.76e-02
4.76e-02 - 6.45e-02
6.45e-02 - 8.74e-02
8.74e-02 - 1.19e-01
1.19e-01 - 1.61e-01
1.61e-01 - 2.18e-01
2.18e-01 - 2.96e-01
2.96e-01 - 4.01e-01
4.01e-01 - 5.44e-01
5.44e-01 - 7.37e-01
7.37e-01 - 1
RAZO predicted relative density
Spring (Mar-May)
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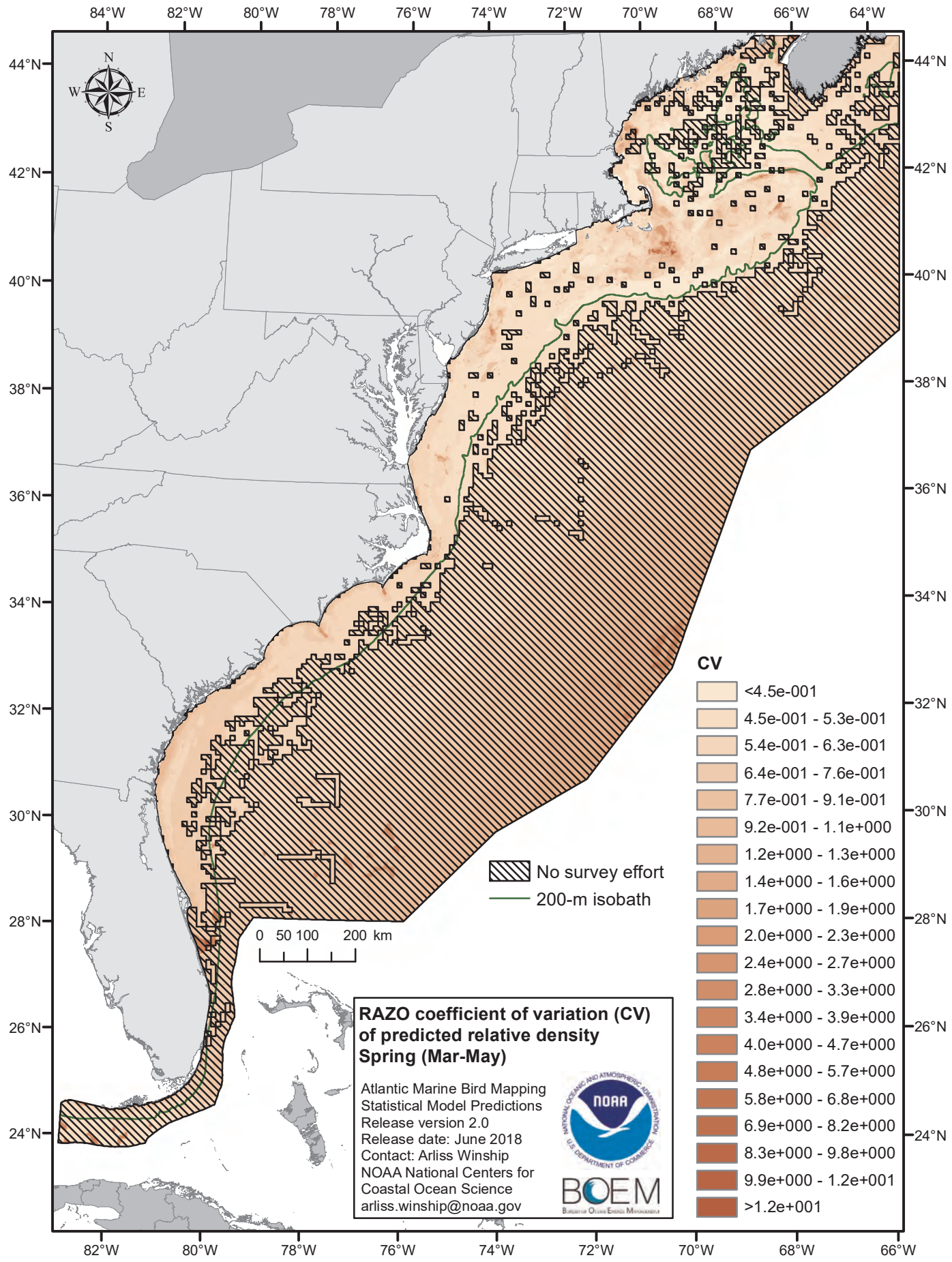
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.5e-001
4.5e-001 - 5.3e-001
5.4e-001 - 6.3e-001
6.4e-001 - 7.6e-001
7.7e-001 - 9.1e-001
9.2e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 3.9e+000
4.0e+000 - 4.7e+000
4.8e+000 - 5.7e+000
5.8e+000 - 6.8e+000
6.9e+000 - 8.2e+000
8.3e+000 - 9.8e+000
9.9e+000 - 1.2e+001
>1.2e+001
RAZO coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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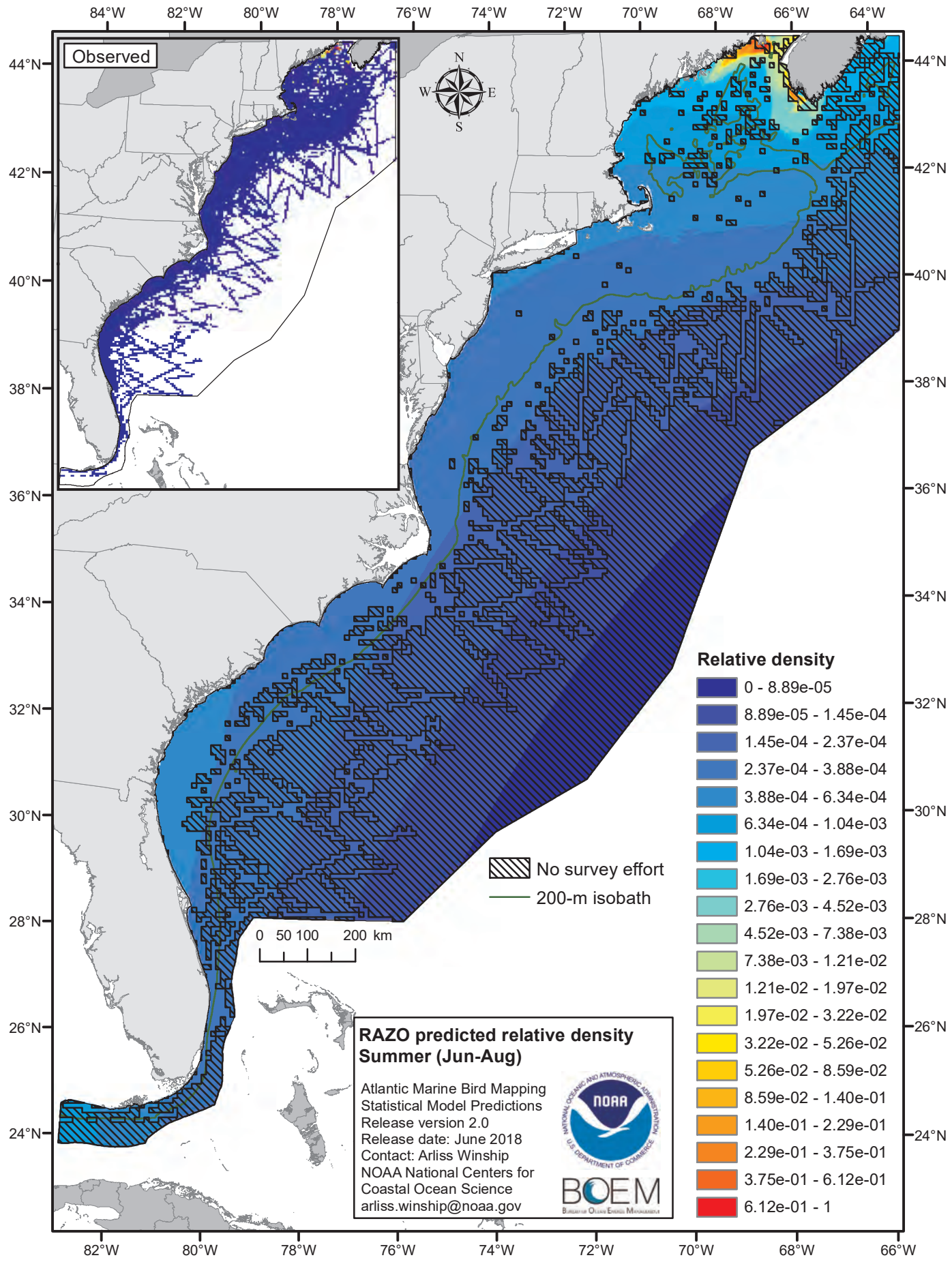
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 8.89e-05
8.89e-05 - 1.45e-04
1.45e-04 - 2.37e-04
2.37e-04 - 3.88e-04
3.88e-04 - 6.34e-04
6.34e-04 - 1.04e-03
1.04e-03 - 1.69e-03
1.69e-03 - 2.76e-03
2.76e-03 - 4.52e-03
4.52e-03 - 7.38e-03
7.38e-03 - 1.21e-02
1.21e-02 - 1.97e-02
1.97e-02 - 3.22e-02
3.22e-02 - 5.26e-02
5.26e-02 - 8.59e-02
8.59e-02 - 1.40e-01
1.40e-01 - 2.29e-01
2.29e-01 - 3.75e-01
3.75e-01 - 6.12e-01
6.12e-01 - 1
RAZO predicted relative density
Summer (Jun-Aug)
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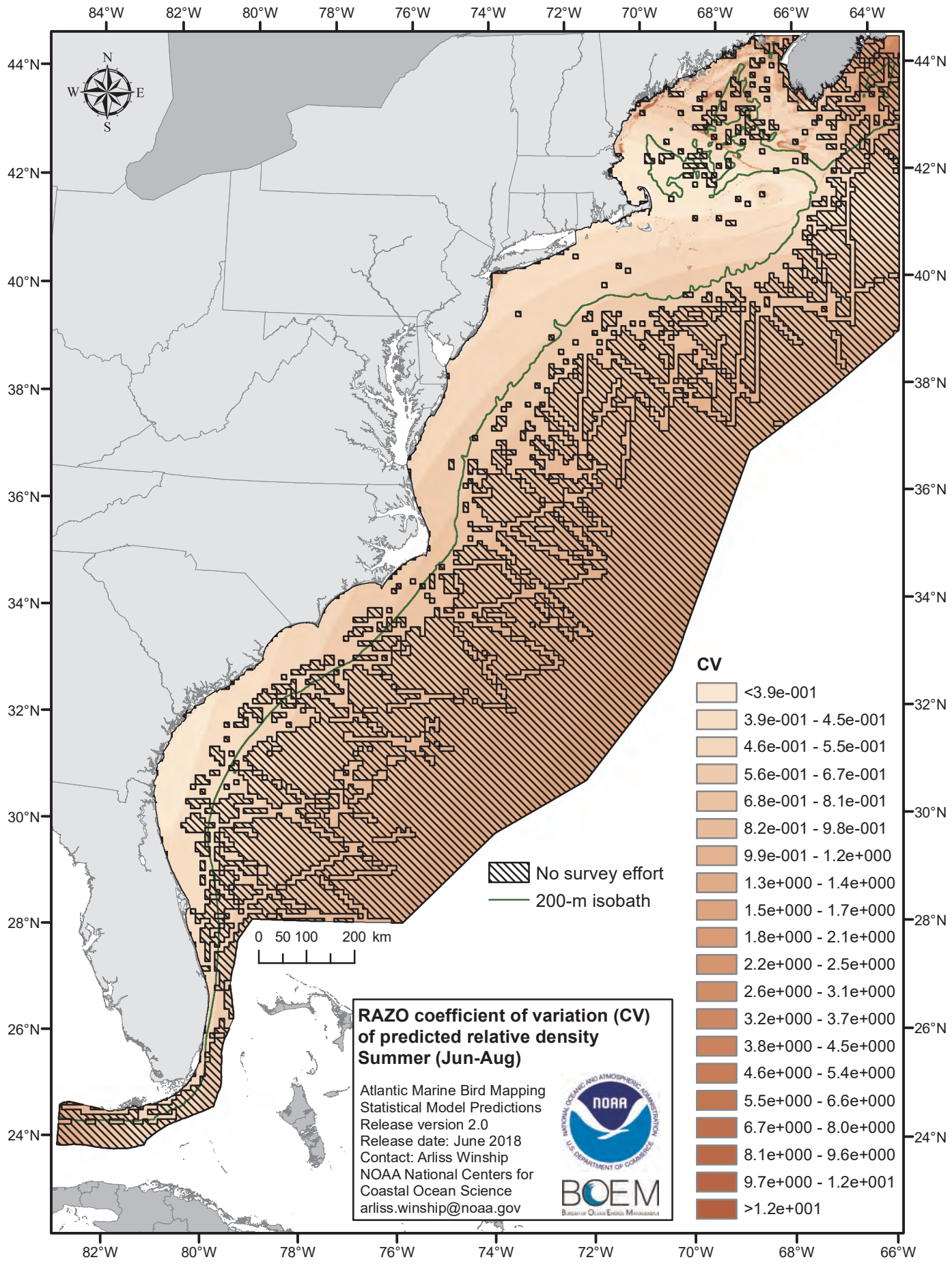
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.9e-001
3.9e-001 - 4.5e-001
4.6e-001 - 5.5e-001
5.6e-001 - 6.7e-001
6.8e-001 - 8.1e-001
8.2e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.4e+000
5.5e+000 - 6.6e+000
6.7e+000 - 8.0e+000
8.1e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
RAZO coefficient of variation (CV) of predicted relative density
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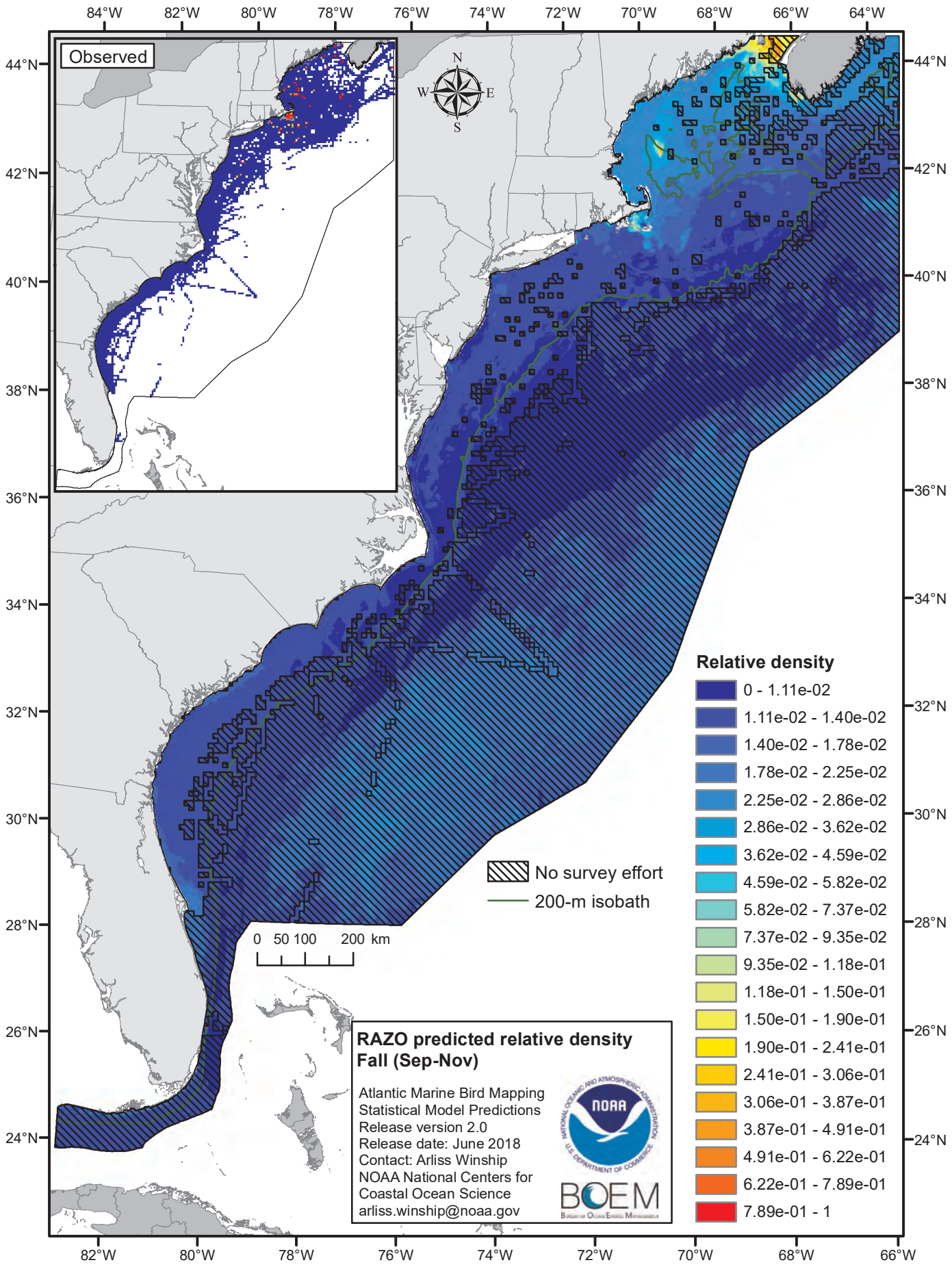
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.11e-02
1.11e-02 - 1.40e-02
1.40e-02 - 1.78e-02
1.78e-02 - 2.25e-02
2.25e-02 - 2.86e-02
2.86e-02 - 3.62e-02
3.62e-02 - 4.59e-02
4.59e-02 - 5.82e-02
5.82e-02 - 7.37e-02
7.37e-02 - 9.35e-02
9.35e-02 - 1.18e-01
1.18e-01 - 1.50e-01
1.50e-01 - 1.90e-01
1.90e-01 - 2.41e-01
2.41e-01 - 3.06e-01
3.06e-01 - 3.87e-01
3.87e-01 - 4.91e-01
4.91e-01 - 6.22e-01
6.22e-01 - 7.89e-01
7.89e-01 - 1
RAZO predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
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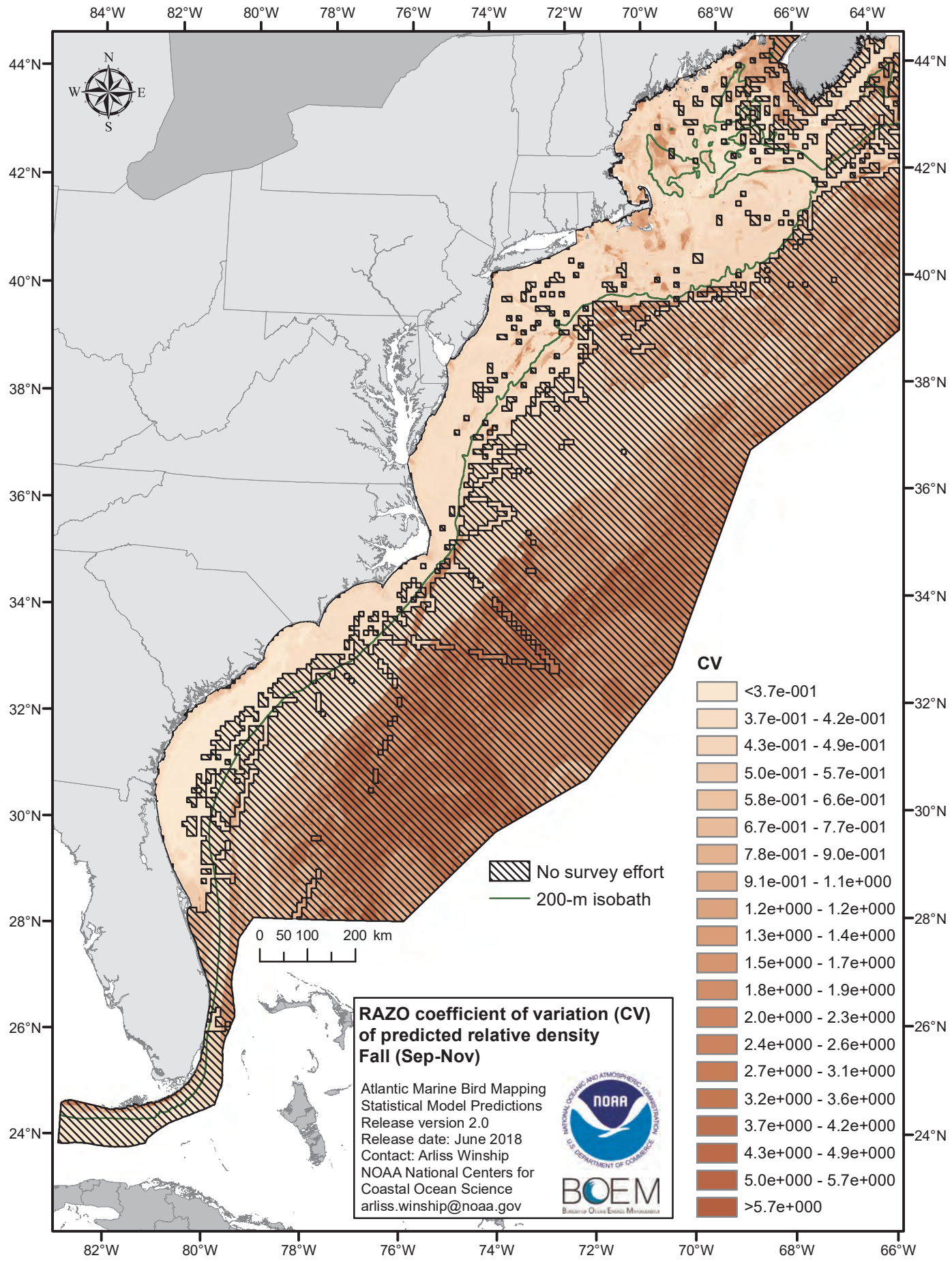
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.7e-001
3.7e-001 - 4.2e-001
4.3e-001 - 4.9e-001
5.0e-001 - 5.7e-001
5.8e-001 - 6.6e-001
6.7e-001 - 7.7e-001
7.8e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.6e+000
2.7e+000 - 3.1e+000
3.2e+000 - 3.6e+000
3.7e+000 - 4.2e+000
4.3e+000 - 4.9e+000
5.0e+000 - 5.7e+000
>5.7e+000
RAZO coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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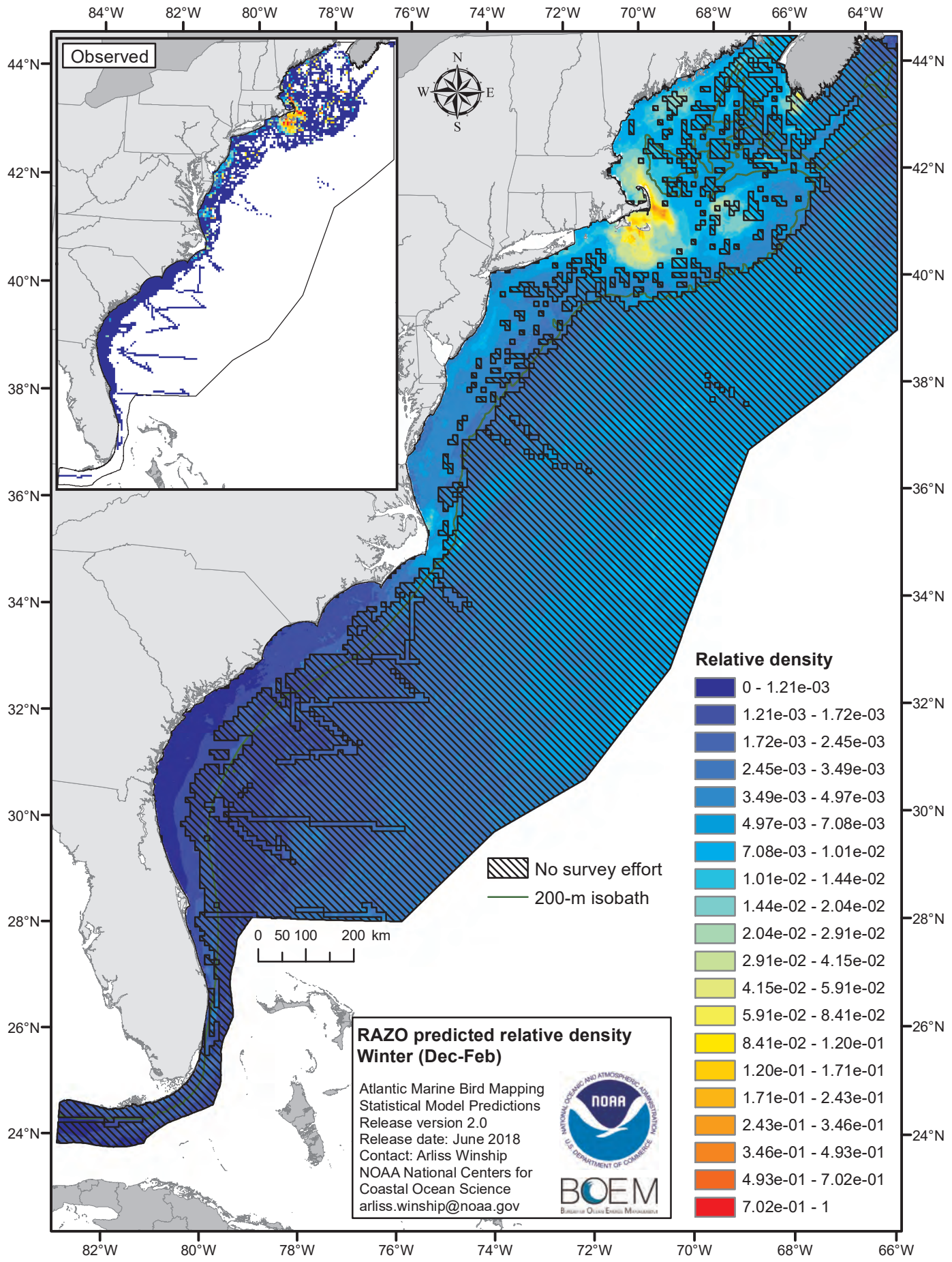
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 1.21e-03
1.21e-03 - 1.72e-03
1.72e-03 - 2.45e-03
2.45e-03 - 3.49e-03
3.49e-03 - 4.97e-03
4.97e-03 - 7.08e-03
7.08e-03 - 1.01e-02
1.01e-02 - 1.44e-02
1.44e-02 - 2.04e-02
2.04e-02 - 2.91e-02
2.91e-02 - 4.15e-02
4.15e-02 - 5.91e-02
5.91e-02 - 8.41e-02
8.41e-02 - 1.20e-01
1.20e-01 - 1.71e-01
1.71e-01 - 2.43e-01
2.43e-01 - 3.46e-01
3.46e-01 - 4.93e-01
4.93e-01 - 7.02e-01
7.02e-01 - 1
RAZO predicted relative density
Winter (Dec-Feb)
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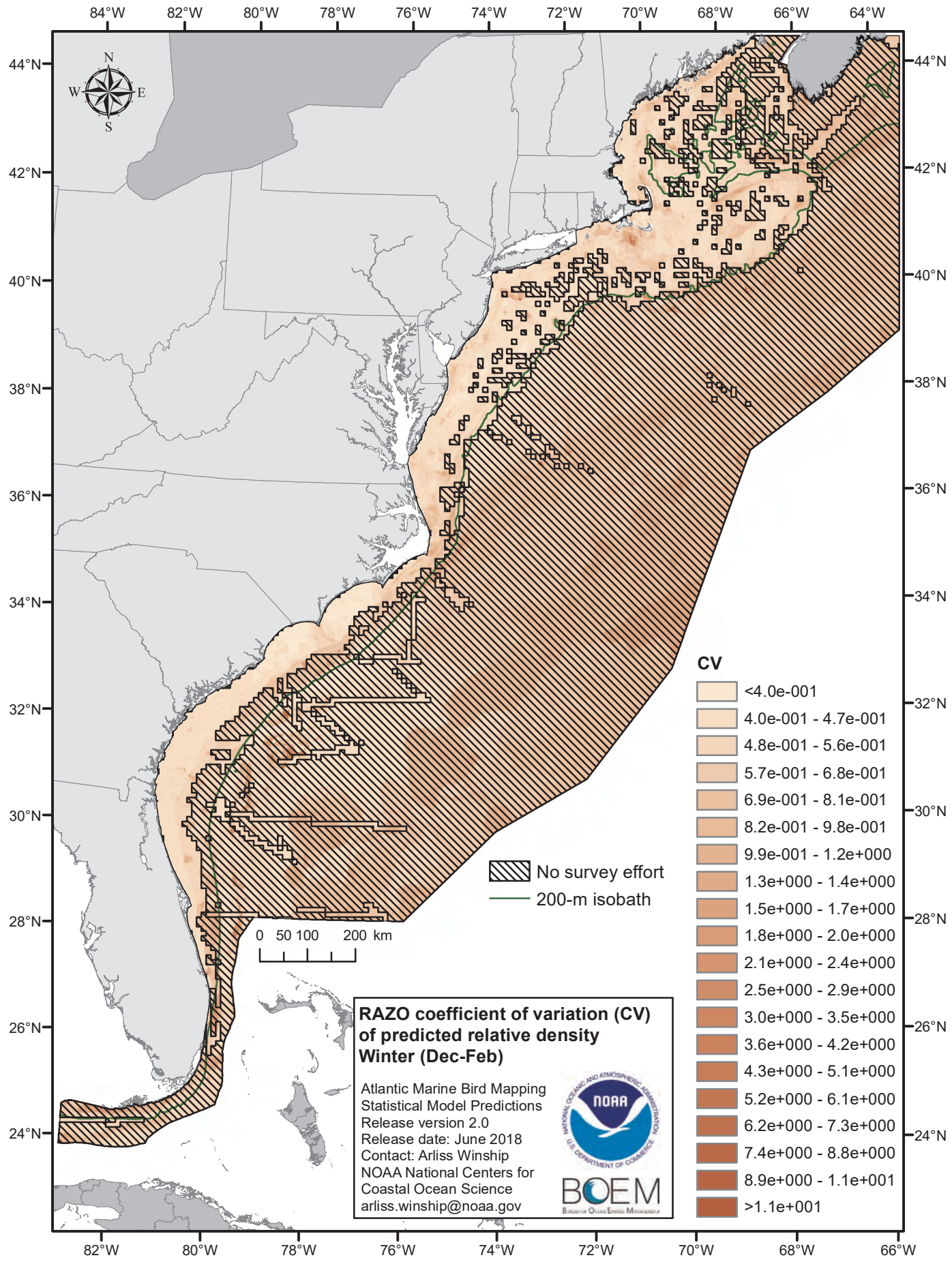
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.0e-001
4.0e-001 - 4.7e-001
4.8e-001 - 5.6e-001
5.7e-001 - 6.8e-001
6.9e-001 - 8.1e-001
8.2e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.2e+000
4.3e+000 - 5.1e+000
5.2e+000 - 6.1e+000
6.2e+000 - 7.3e+000
7.4e+000 - 8.8e+000
8.9e+000 - 1.1e+001
>1.1e+001
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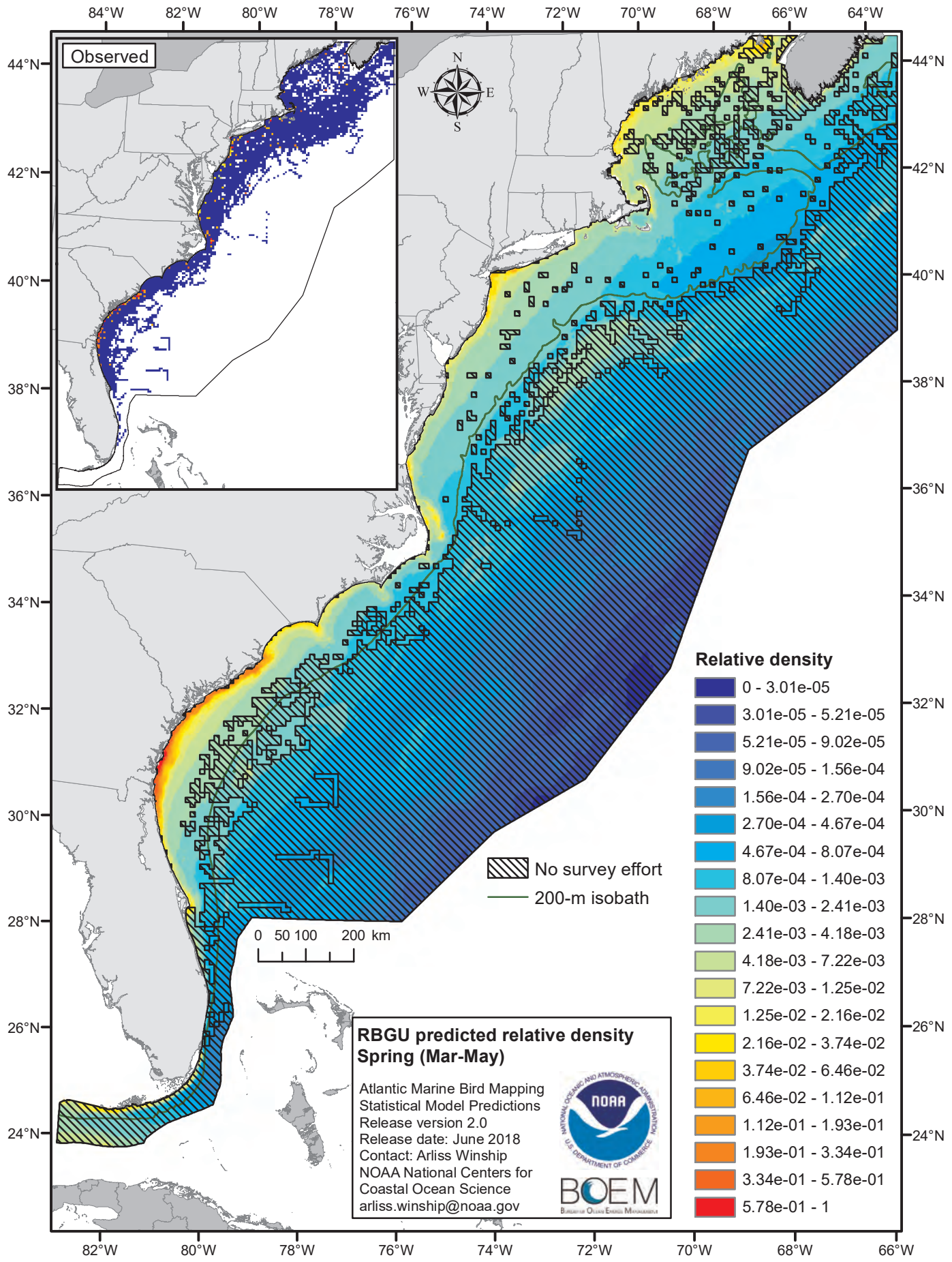
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.01e-05
3.01e-05 - 5.21e-05
5.21e-05 - 9.02e-05
9.02e-05 - 1.56e-04
1.56e-04 - 2.70e-04
2.70e-04 - 4.67e-04
4.67e-04 - 8.07e-04
8.07e-04 - 1.40e-03
1.40e-03 - 2.41e-03
2.41e-03 - 4.18e-03
4.18e-03 - 7.22e-03
7.22e-03 - 1.25e-02
1.25e-02 - 2.16e-02
2.16e-02 - 3.74e-02
3.74e-02 - 6.46e-02
6.46e-02 - 1.12e-01
1.12e-01 - 1.93e-01
1.93e-01 - 3.34e-01
3.34e-01 - 5.78e-01
5.78e-01 - 1
RBGU predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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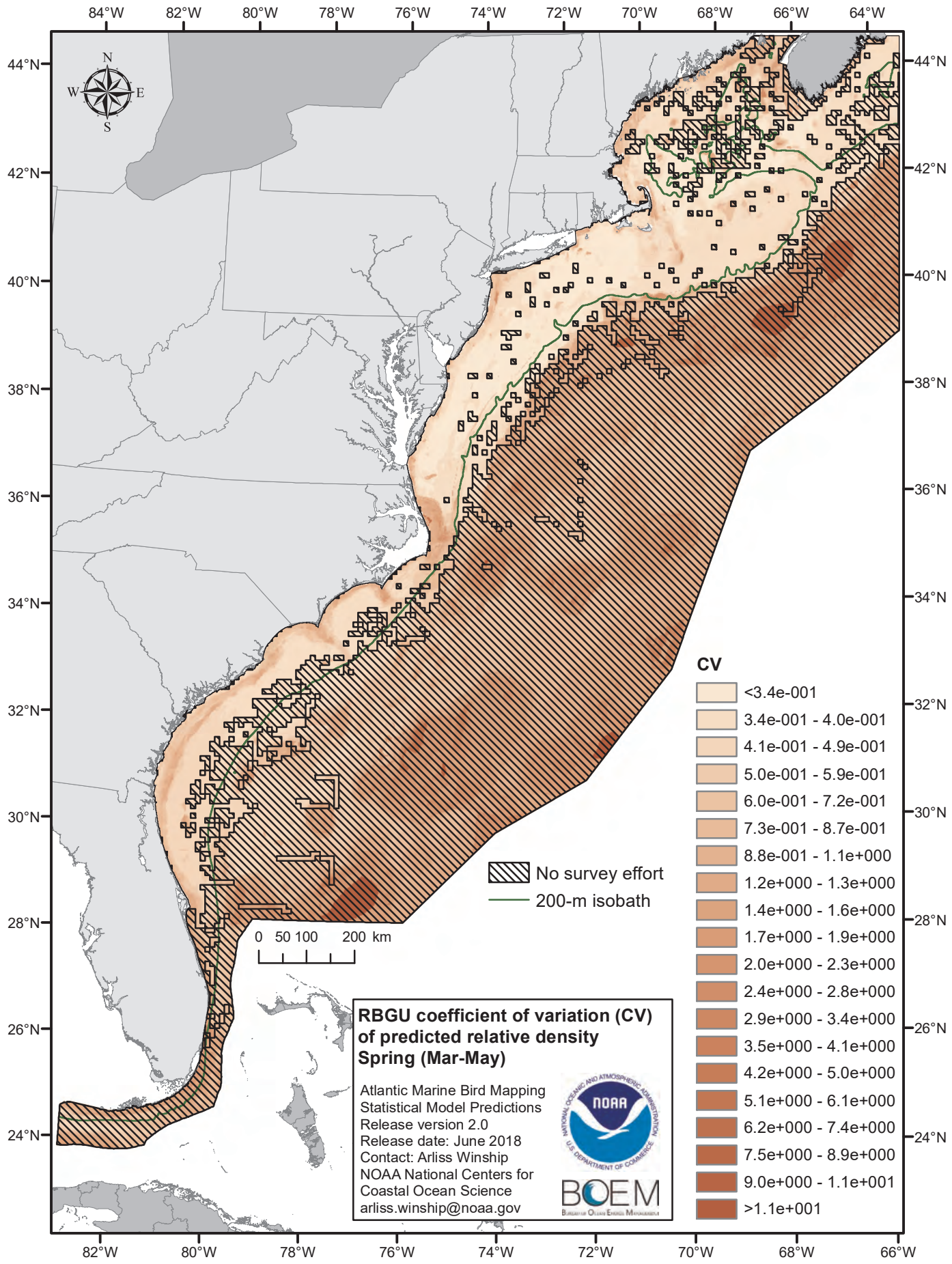
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82°W
80°W
78°W
76°W
74°W
72°W
70°W
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66°W
64°W
44°N
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40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.4e-001
3.4e-001 - 4.0e-001
4.1e-001 - 4.9e-001
5.0e-001 - 5.9e-001
6.0e-001 - 7.2e-001
7.3e-001 - 8.7e-001
8.8e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.1e+000
4.2e+000 - 5.0e+000
5.1e+000 - 6.1e+000
6.2e+000 - 7.4e+000
7.5e+000 - 8.9e+000
9.0e+000 - 1.1e+001
>1.1e+001
RBGU coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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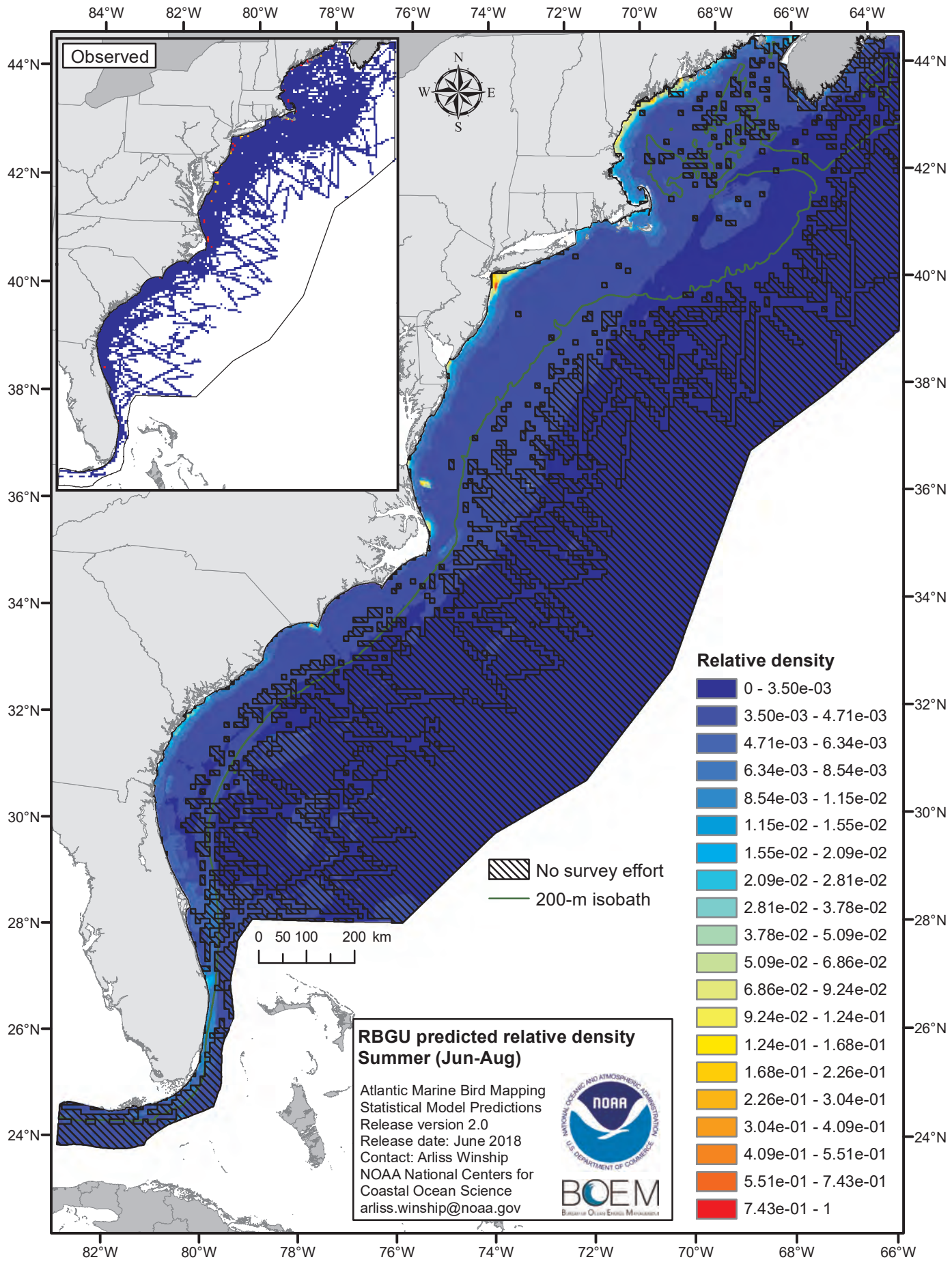
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 3.50e-03
3.50e-03 - 4.71e-03
4.71e-03 - 6.34e-03
6.34e-03 - 8.54e-03
8.54e-03 - 1.15e-02
1.15e-02 - 1.55e-02
1.55e-02 - 2.09e-02
2.09e-02 - 2.81e-02
2.81e-02 - 3.78e-02
3.78e-02 - 5.09e-02
5.09e-02 - 6.86e-02
6.86e-02 - 9.24e-02
9.24e-02 - 1.24e-01
1.24e-01 - 1.68e-01
1.68e-01 - 2.26e-01
2.26e-01 - 3.04e-01
3.04e-01 - 4.09e-01
4.09e-01 - 5.51e-01
5.51e-01 - 7.43e-01
7.43e-01 - 1
RBGU predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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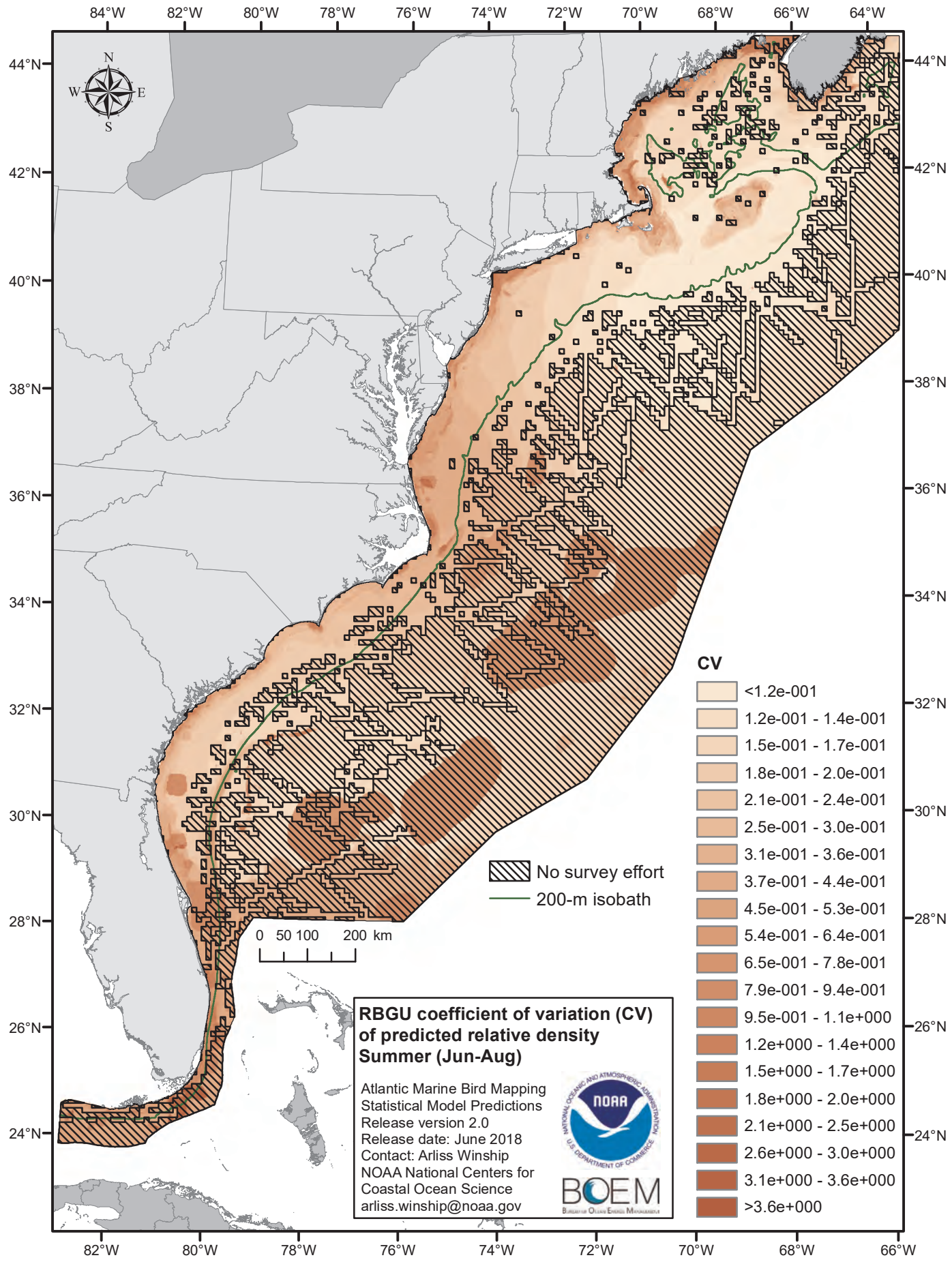
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.2e-001
1.2e-001 - 1.4e-001
1.5e-001 - 1.7e-001
1.8e-001 - 2.0e-001
2.1e-001 - 2.4e-001
2.5e-001 - 3.0e-001
3.1e-001 - 3.6e-001
3.7e-001 - 4.4e-001
4.5e-001 - 5.3e-001
5.4e-001 - 6.4e-001
6.5e-001 - 7.8e-001
7.9e-001 - 9.4e-001
9.5e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.6e+000
>3.6e+000
RBGU coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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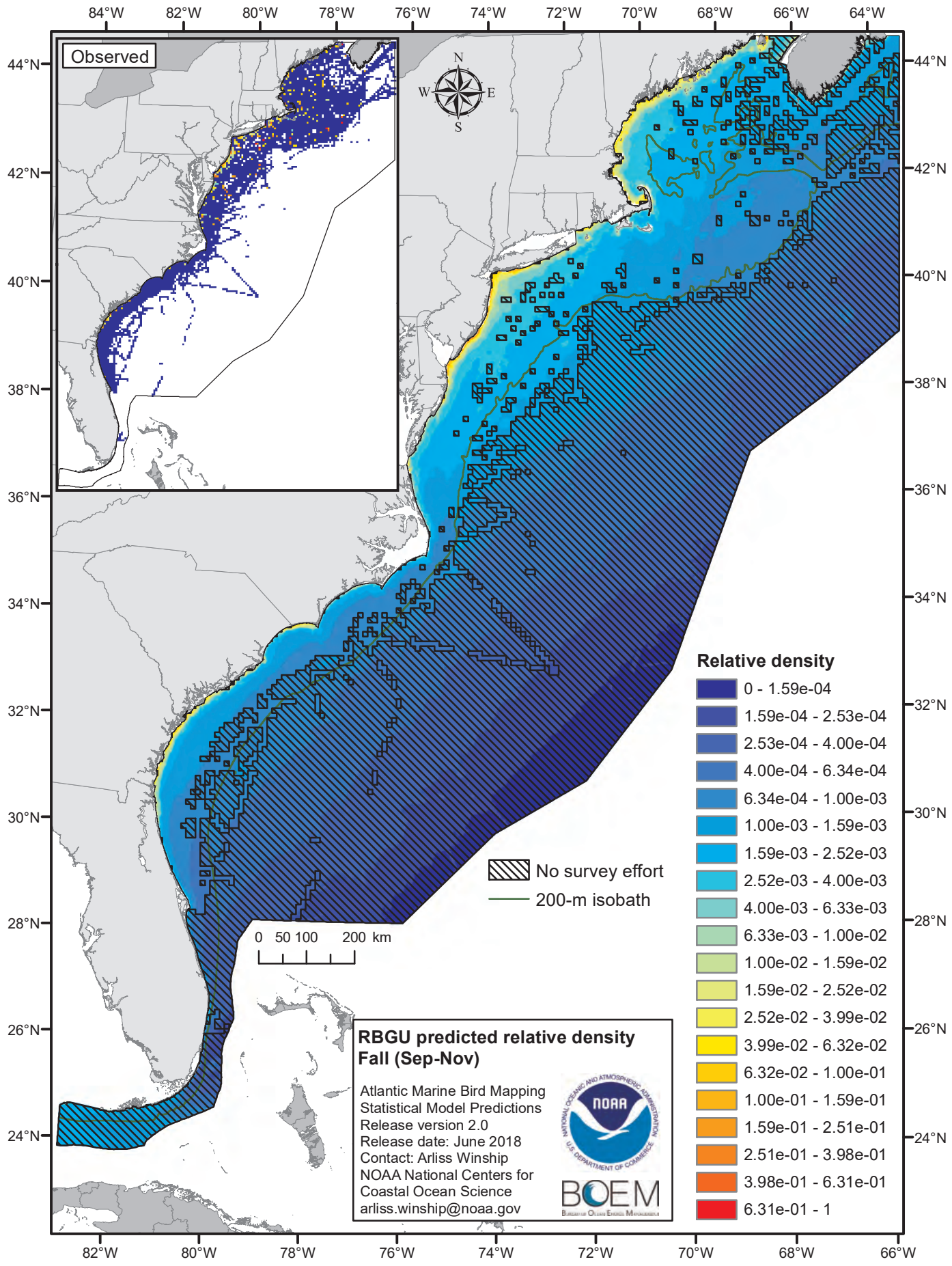
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
Relative density
0 - 1.59e-04
1.59e-04 - 2.53e-04
2.53e-04 - 4.00e-04
4.00e-04 - 6.34e-04
6.34e-04 - 1.00e-03
1.00e-03 - 1.59e-03
1.59e-03 - 2.52e-03
2.52e-03 - 4.00e-03
4.00e-03 - 6.33e-03
6.33e-03 - 1.00e-02
1.00e-02 - 1.59e-02
1.59e-02 - 2.52e-02
2.52e-02 - 3.99e-02
3.99e-02 - 6.32e-02
6.32e-02 - 1.00e-01
1.00e-01 - 1.59e-01
1.59e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1
No survey effort
200-m isobath
0 50 100 200 km
RBGU predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
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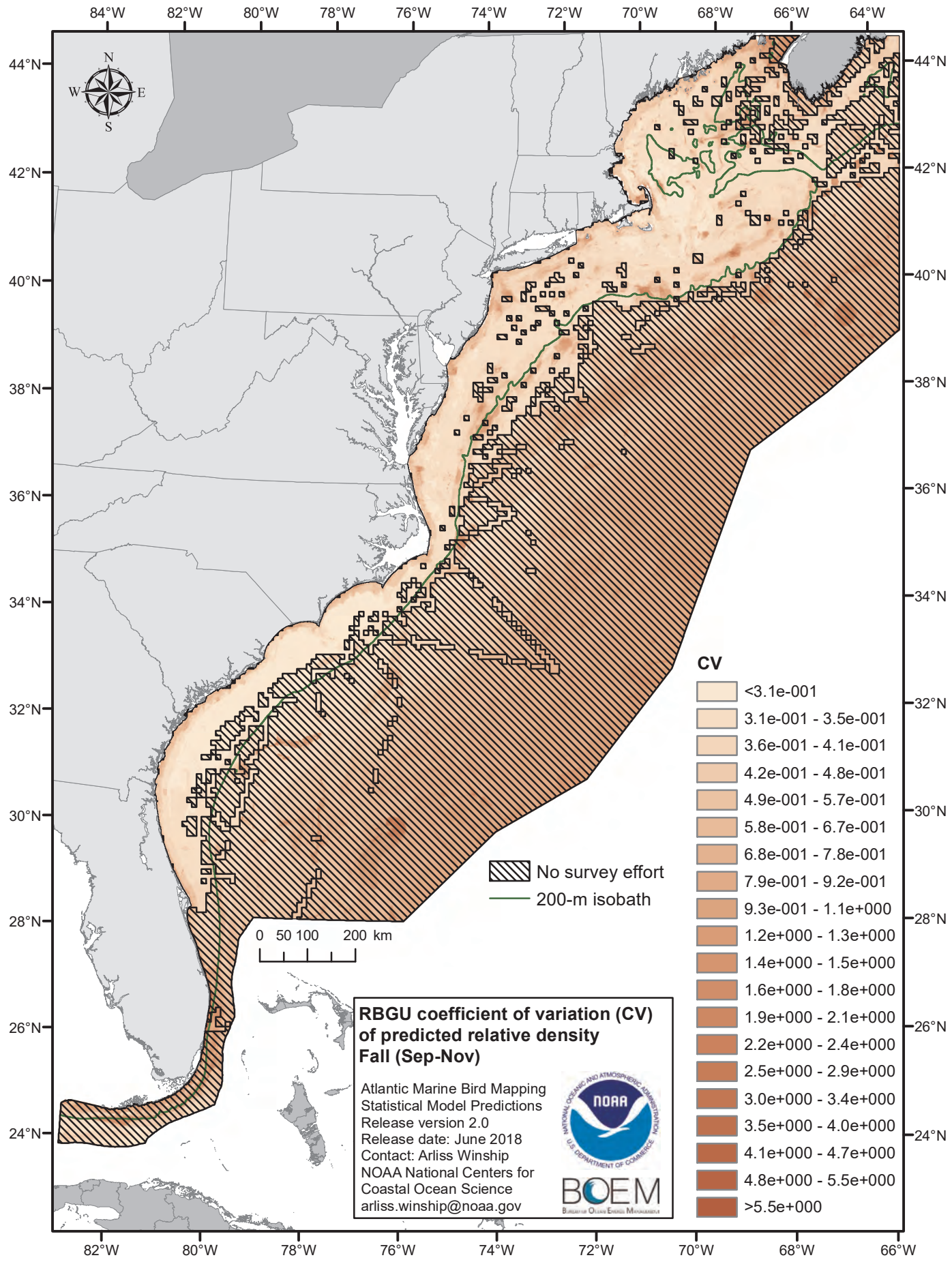
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.1e-001
3.1e-001 - 3.5e-001
3.6e-001 - 4.1e-001
4.2e-001 - 4.8e-001
4.9e-001 - 5.7e-001
5.8e-001 - 6.7e-001
6.8e-001 - 7.8e-001
7.9e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.4e+000
3.5e+000 - 4.0e+000
4.1e+000 - 4.7e+000
4.8e+000 - 5.5e+000
>5.5e+000
RBGU coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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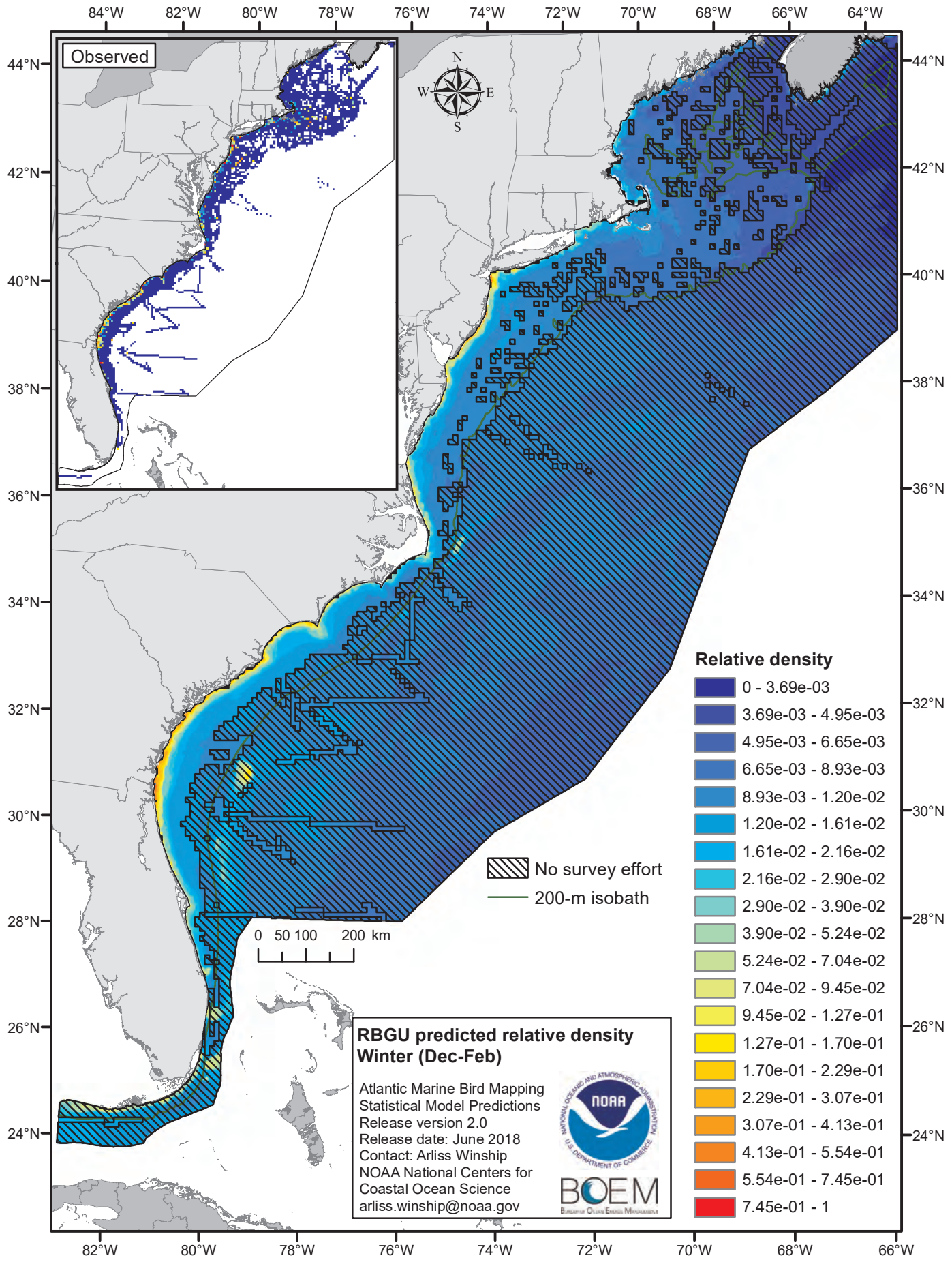
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.69e-03
3.69e-03 - 4.95e-03
4.95e-03 - 6.65e-03
6.65e-03 - 8.93e-03
8.93e-03 - 1.20e-02
1.20e-02 - 1.61e-02
1.61e-02 - 2.16e-02
2.16e-02 - 2.90e-02
2.90e-02 - 3.90e-02
3.90e-02 - 5.24e-02
5.24e-02 - 7.04e-02
7.04e-02 - 9.45e-02
9.45e-02 - 1.27e-01
1.27e-01 - 1.70e-01
1.70e-01 - 2.29e-01
2.29e-01 - 3.07e-01
3.07e-01 - 4.13e-01
4.13e-01 - 5.54e-01
5.54e-01 - 7.45e-01
7.45e-01 - 1
RBGU predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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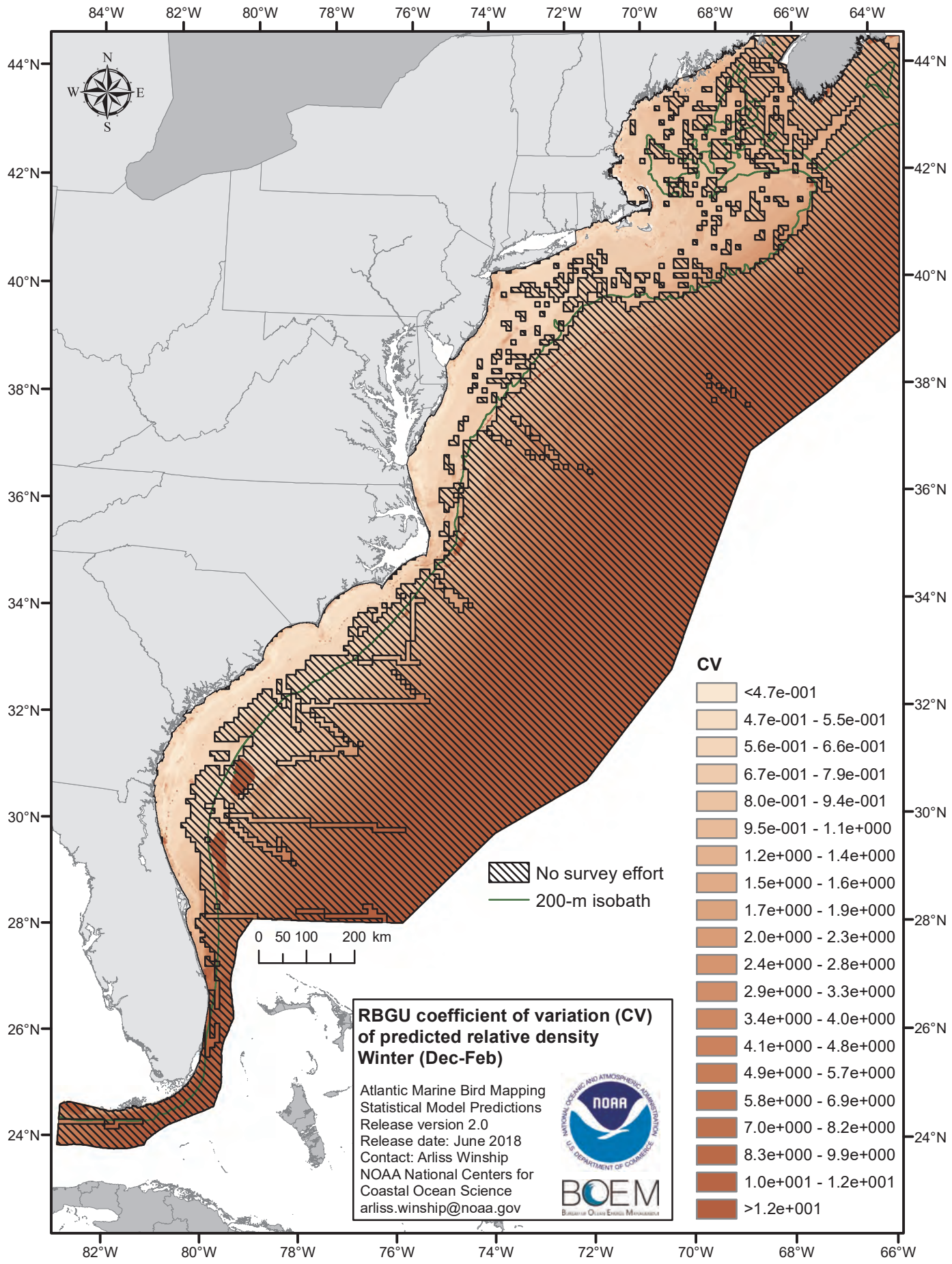
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.7e-001
4.7e-001 - 5.5e-001
5.6e-001 - 6.6e-001
6.7e-001 - 7.9e-001
8.0e-001 - 9.4e-001
9.5e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.3e+000
3.4e+000 - 4.0e+000
4.1e+000 - 4.8e+000
4.9e+000 - 5.7e+000
5.8e+000 - 6.9e+000
7.0e+000 - 8.2e+000
8.3e+000 - 9.9e+000
1.0e+001 - 1.2e+001
>1.2e+001
RBGU coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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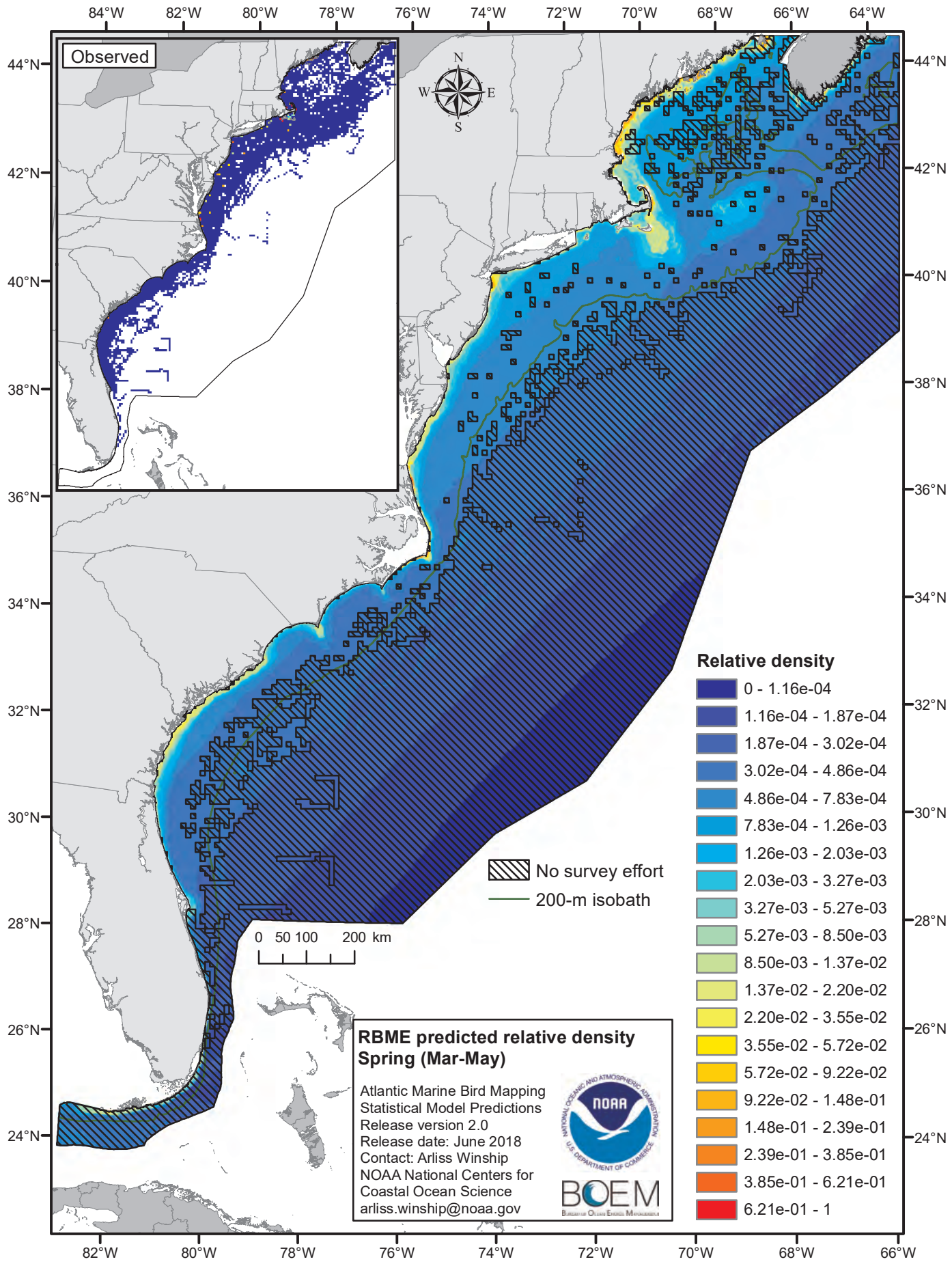
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.16e-04
1.16e-04 - 1.87e-04
1.87e-04 - 3.02e-04
3.02e-04 - 4.86e-04
4.86e-04 - 7.83e-04
7.83e-04 - 1.26e-03
1.26e-03 - 2.03e-03
2.03e-03 - 3.27e-03
3.27e-03 - 5.27e-03
5.27e-03 - 8.50e-03
8.50e-03 - 1.37e-02
1.37e-02 - 2.20e-02
2.20e-02 - 3.55e-02
3.55e-02 - 5.72e-02
5.72e-02 - 9.22e-02
9.22e-02 - 1.48e-01
1.48e-01 - 2.39e-01
2.39e-01 - 3.85e-01
3.85e-01 - 6.21e-01
6.21e-01 - 1
RBME predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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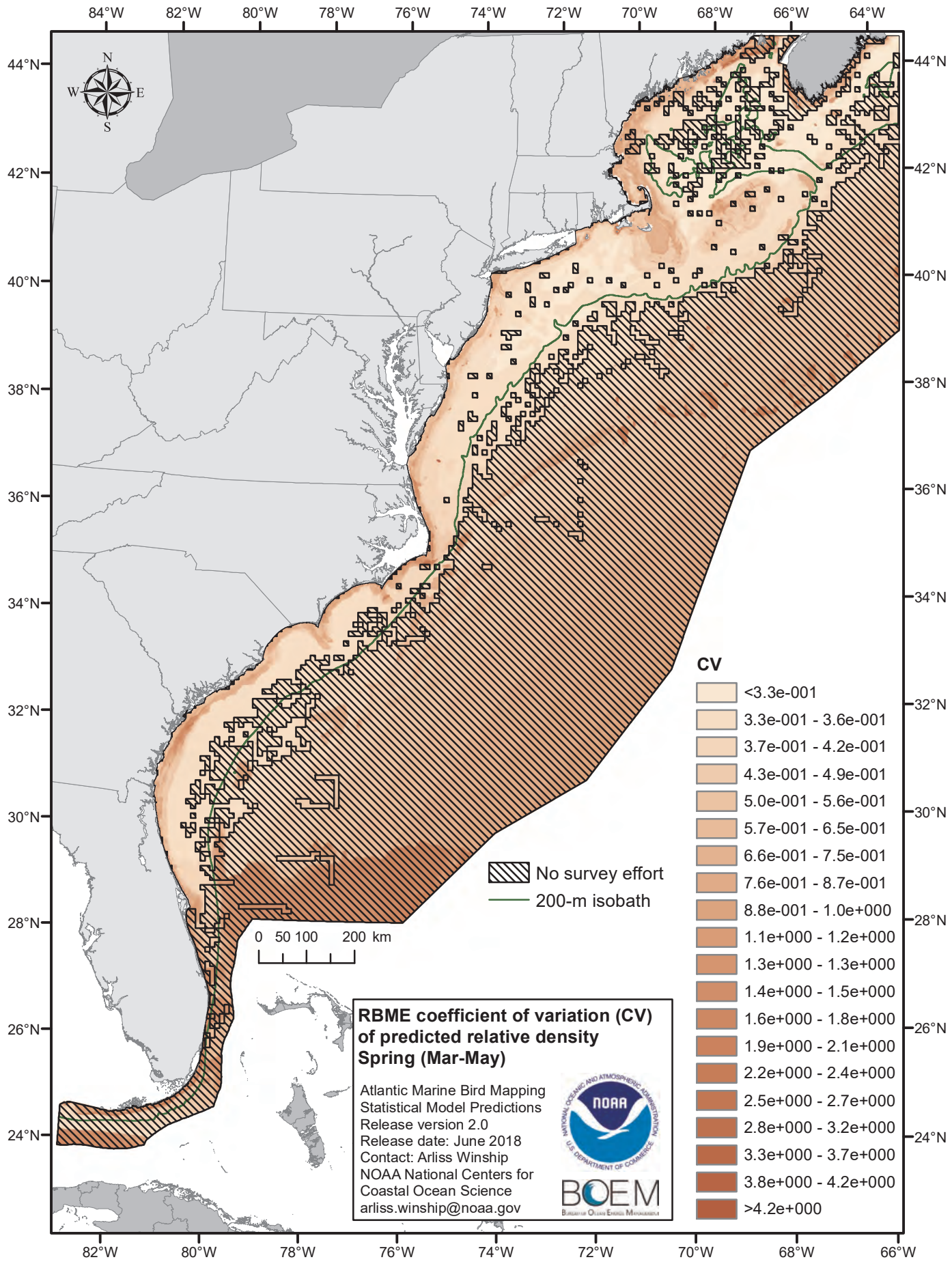
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.3e-001
3.3e-001 - 3.6e-001
3.7e-001 - 4.2e-001
4.3e-001 - 4.9e-001
5.0e-001 - 5.6e-001
5.7e-001 - 6.5e-001
6.6e-001 - 7.5e-001
7.6e-001 - 8.7e-001
8.8e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.7e+000
3.8e+000 - 4.2e+000
>4.2e+000
RBME coefficient of variation (CV) of predicted relative density
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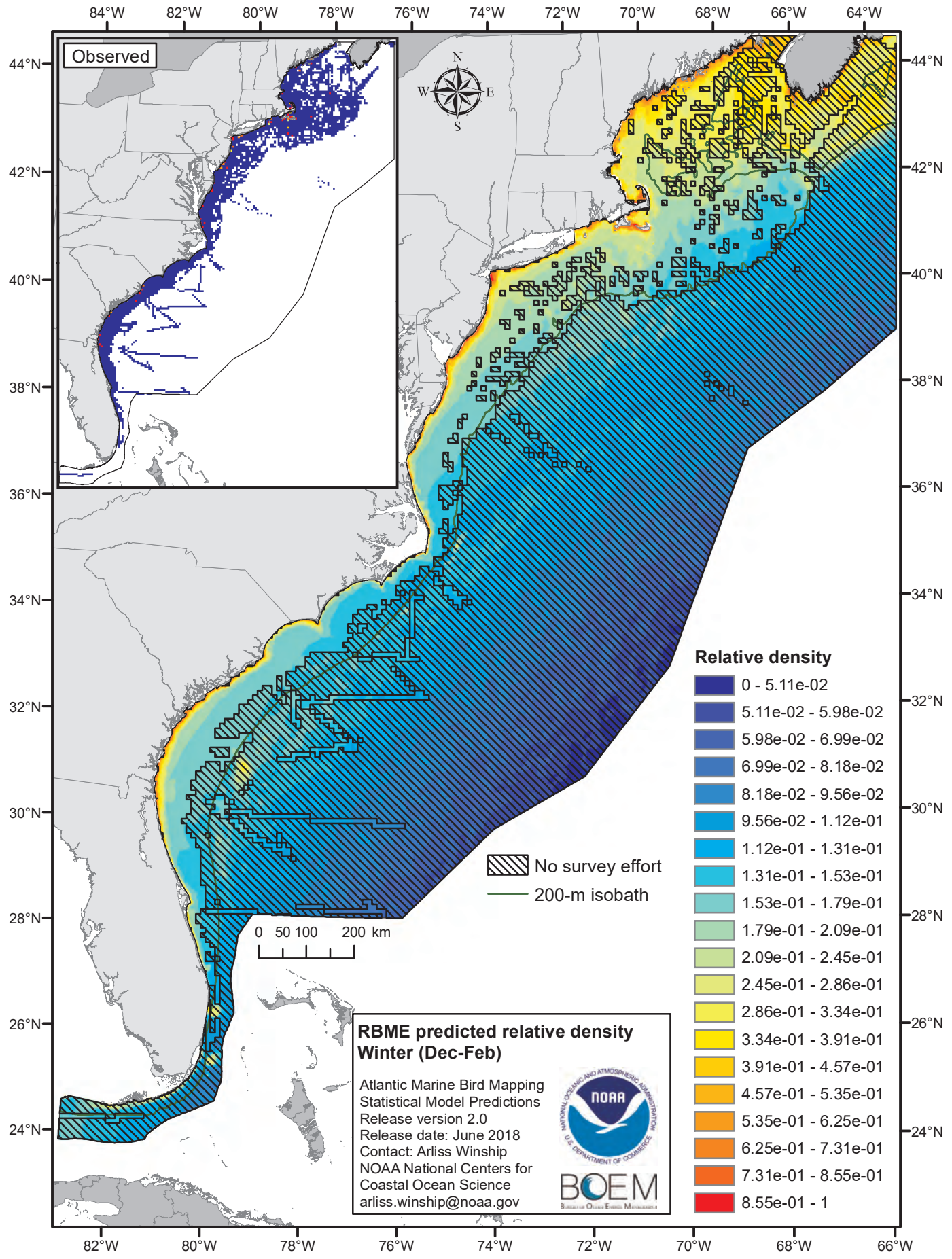
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 5.11e-02
5.11e-02 - 5.98e-02
5.98e-02 - 6.99e-02
6.99e-02 - 8.18e-02
8.18e-02 - 9.56e-02
9.56e-02 - 1.12e-01
1.12e-01 - 1.31e-01
1.31e-01 - 1.53e-01
1.53e-01 - 1.79e-01
1.79e-01 - 2.09e-01
2.09e-01 - 2.45e-01
2.45e-01 - 2.86e-01
2.86e-01 - 3.34e-01
3.34e-01 - 3.91e-01
3.91e-01 - 4.57e-01
4.57e-01 - 5.35e-01
5.35e-01 - 6.25e-01
6.25e-01 - 7.31e-01
7.31e-01 - 8.55e-01
8.55e-01 - 1
RBME predicted relative density
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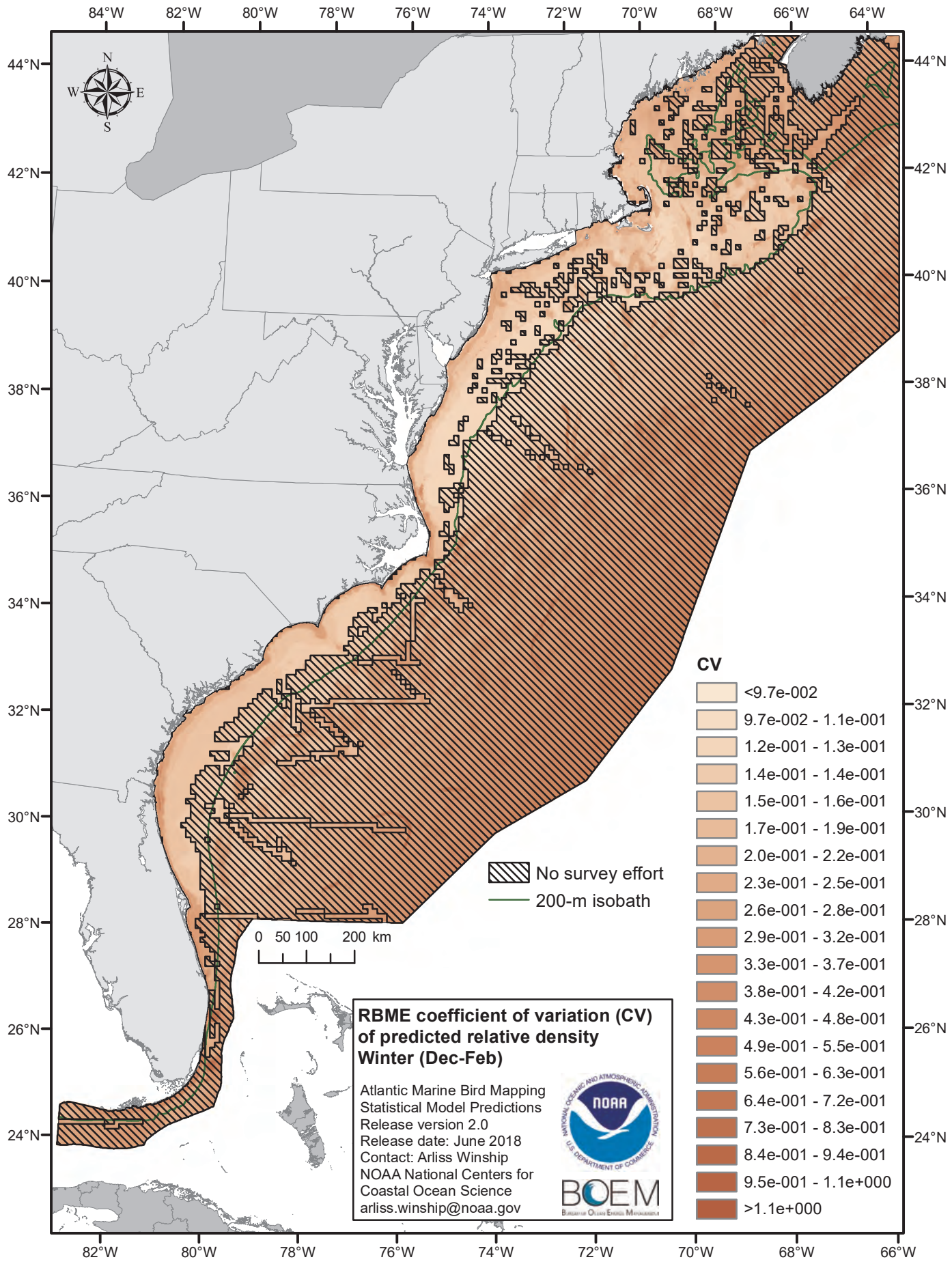
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<9.7e-002
9.7e-002 - 1.1e-001
1.2e-001 - 1.3e-001
1.4e-001 - 1.4e-001
1.5e-001 - 1.6e-001
1.7e-001 - 1.9e-001
2.0e-001 - 2.2e-001
2.3e-001 - 2.5e-001
2.6e-001 - 2.8e-001
2.9e-001 - 3.2e-001
3.3e-001 - 3.7e-001
3.8e-001 - 4.2e-001
4.3e-001 - 4.8e-001
4.9e-001 - 5.5e-001
5.6e-001 - 6.3e-001
6.4e-001 - 7.2e-001
7.3e-001 - 8.3e-001
8.4e-001 - 9.4e-001
9.5e-001 - 1.1e+000
>1.1e+000
RBME coefficient of variation (CV) of predicted relative density
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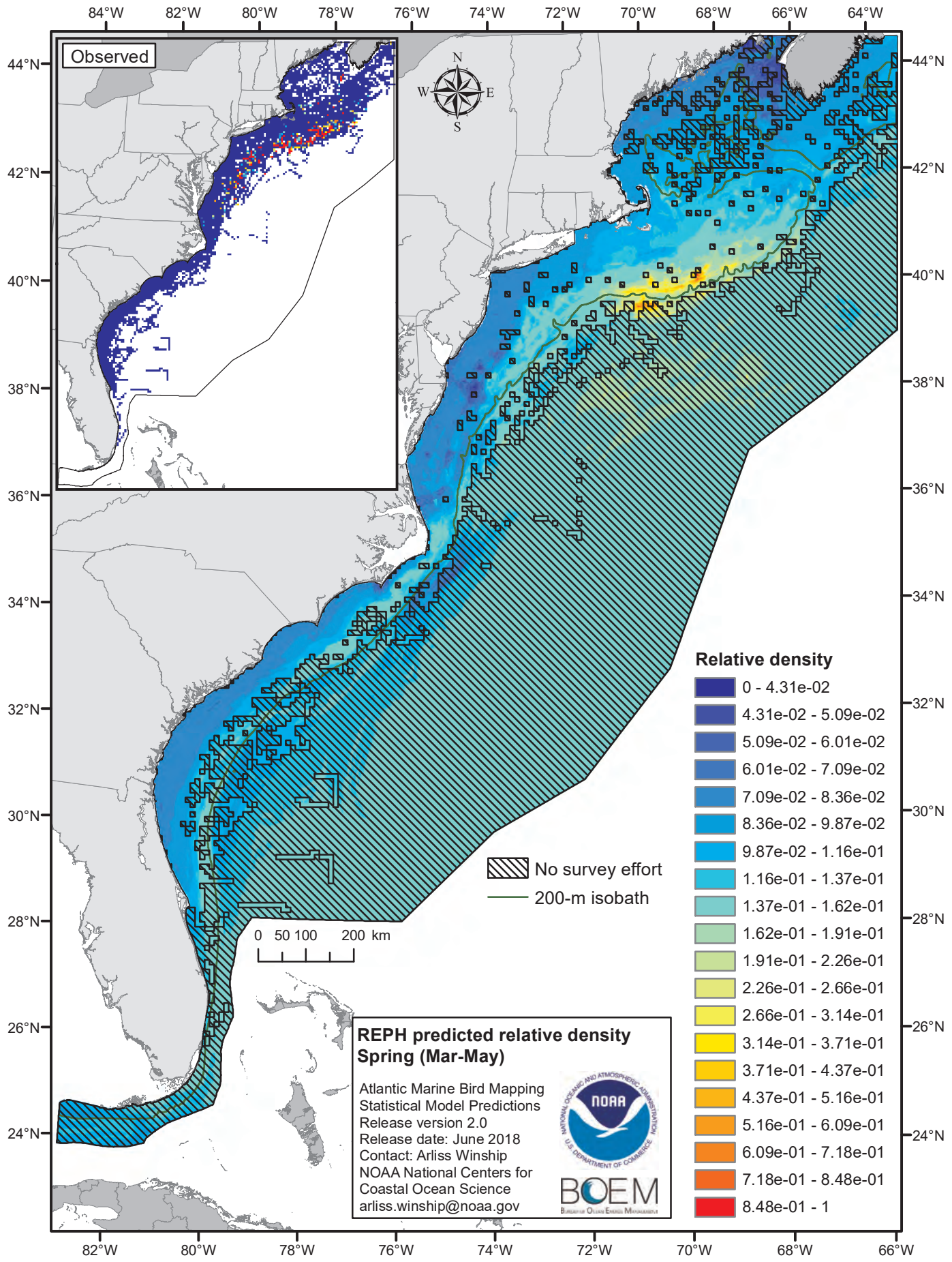
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.31e-02
4.31e-02 - 5.09e-02
5.09e-02 - 6.01e-02
6.01e-02 - 7.09e-02
7.09e-02 - 8.36e-02
8.36e-02 - 9.87e-02
9.87e-02 - 1.16e-01
1.16e-01 - 1.37e-01
1.37e-01 - 1.62e-01
1.62e-01 - 1.91e-01
1.91e-01 - 2.26e-01
2.26e-01 - 2.66e-01
2.66e-01 - 3.14e-01
3.14e-01 - 3.71e-01
3.71e-01 - 4.37e-01
4.37e-01 - 5.16e-01
5.16e-01 - 6.09e-01
6.09e-01 - 7.18e-01
7.18e-01 - 8.48e-01
8.48e-01 - 1
REPH predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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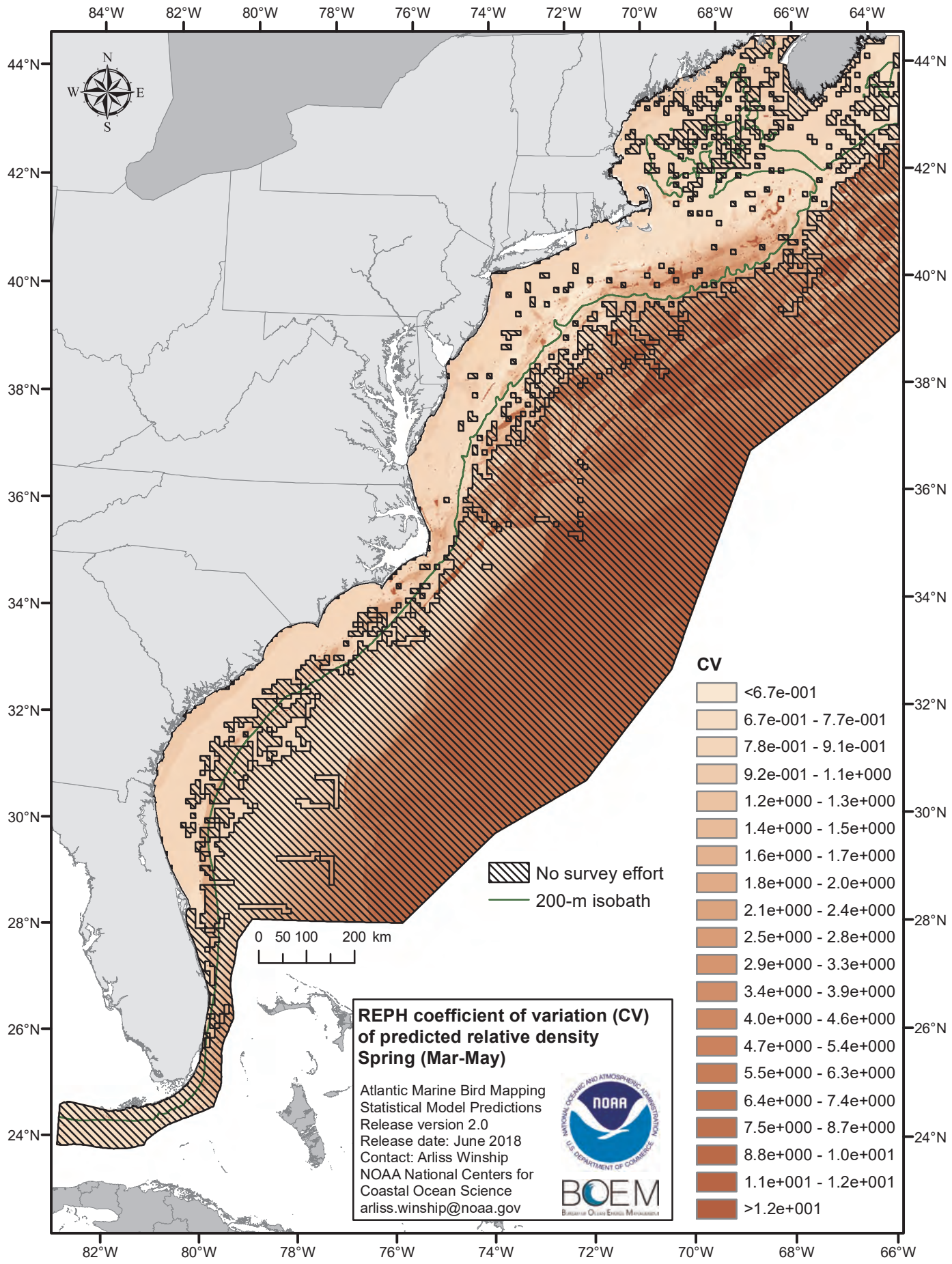
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<6.7e-001
6.7e-001 - 7.7e-001
7.8e-001 - 9.1e-001
9.2e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.3e+000
3.4e+000 - 3.9e+000
4.0e+000 - 4.6e+000
4.7e+000 - 5.4e+000
5.5e+000 - 6.3e+000
6.4e+000 - 7.4e+000
7.5e+000 - 8.7e+000
8.8e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
REPH coefficient of variation (CV) of predicted relative density
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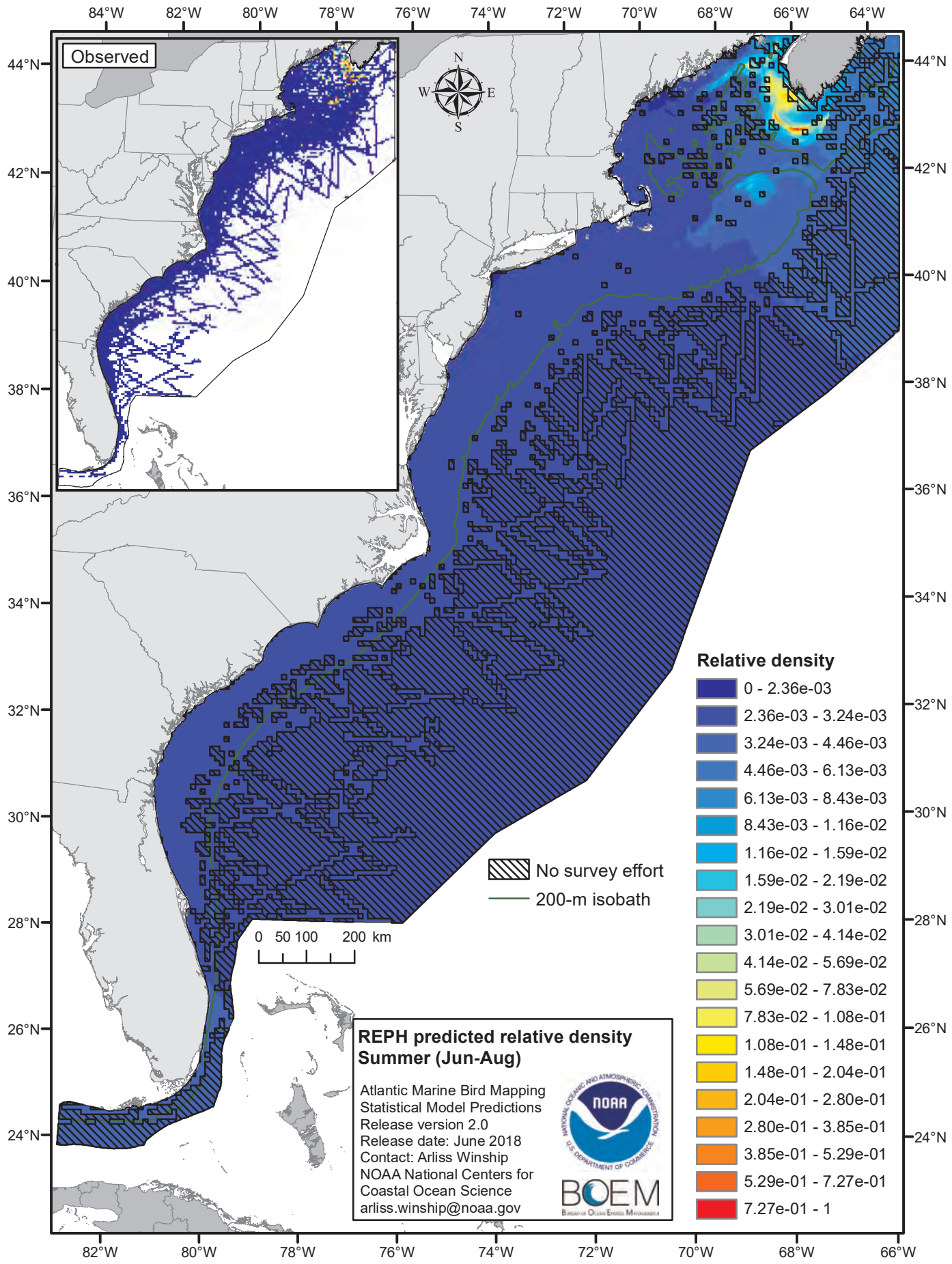
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 2.36e-03
2.36e-03 - 3.24e-03
3.24e-03 - 4.46e-03
4.46e-03 - 6.13e-03
6.13e-03 - 8.43e-03
8.43e-03 - 1.16e-02
1.16e-02 - 1.59e-02
1.59e-02 - 2.19e-02
2.19e-02 - 3.01e-02
3.01e-02 - 4.14e-02
4.14e-02 - 5.69e-02
5.69e-02 - 7.83e-02
7.83e-02 - 1.08e-01
1.08e-01 - 1.48e-01
1.48e-01 - 2.04e-01
2.04e-01 - 2.80e-01
2.80e-01 - 3.85e-01
3.85e-01 - 5.29e-01
5.29e-01 - 7.27e-01
7.27e-01 - 1
REPH predicted relative density
Summer (Jun-Aug)
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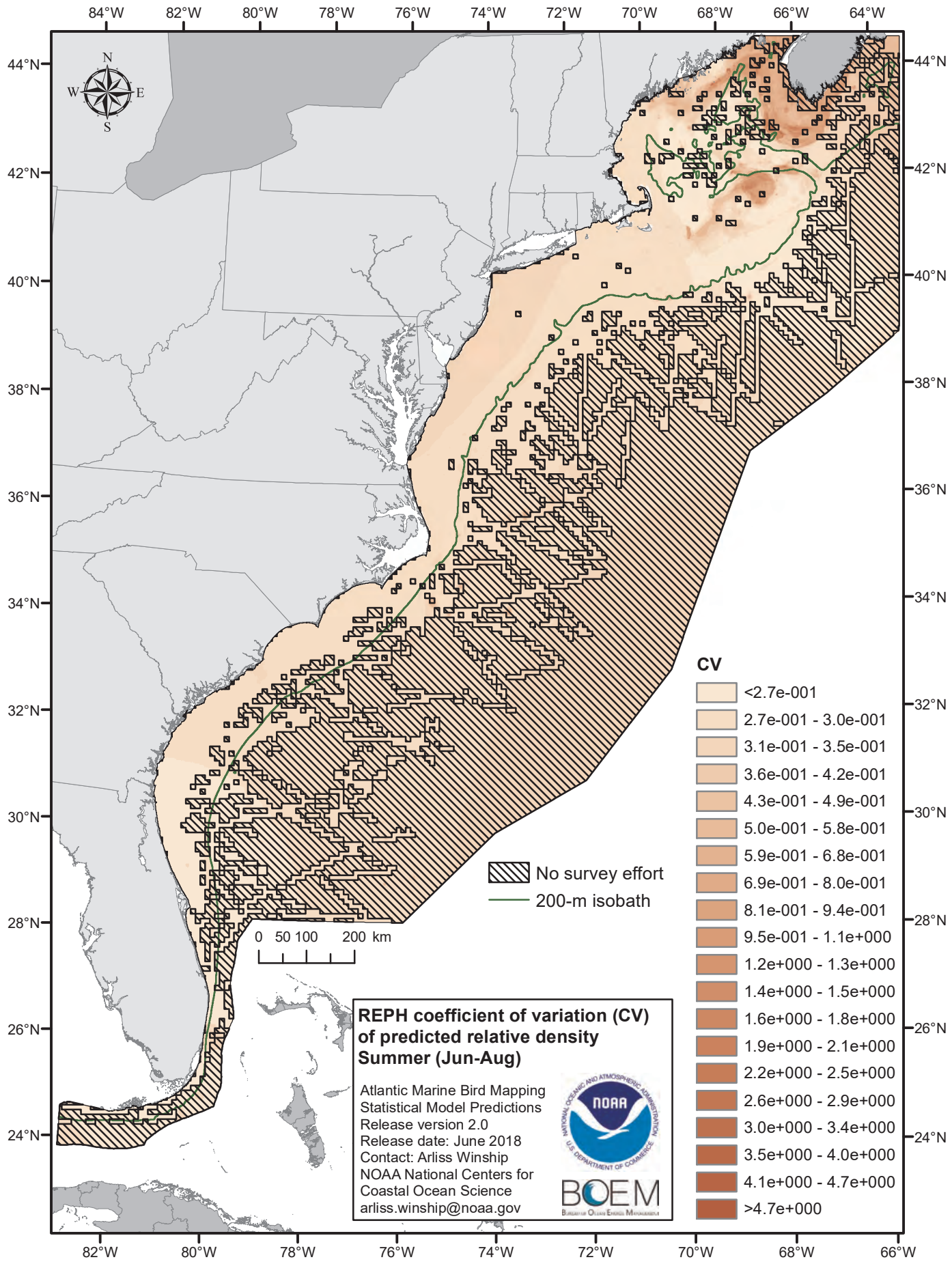
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.7e-001
2.7e-001 - 3.0e-001
3.1e-001 - 3.5e-001
3.6e-001 - 4.2e-001
4.3e-001 - 4.9e-001
5.0e-001 - 5.8e-001
5.9e-001 - 6.8e-001
6.9e-001 - 8.0e-001
8.1e-001 - 9.4e-001
9.5e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.4e+000
3.5e+000 - 4.0e+000
4.1e+000 - 4.7e+000
>4.7e+000
REPH coefficient of variation (CV) of predicted relative density
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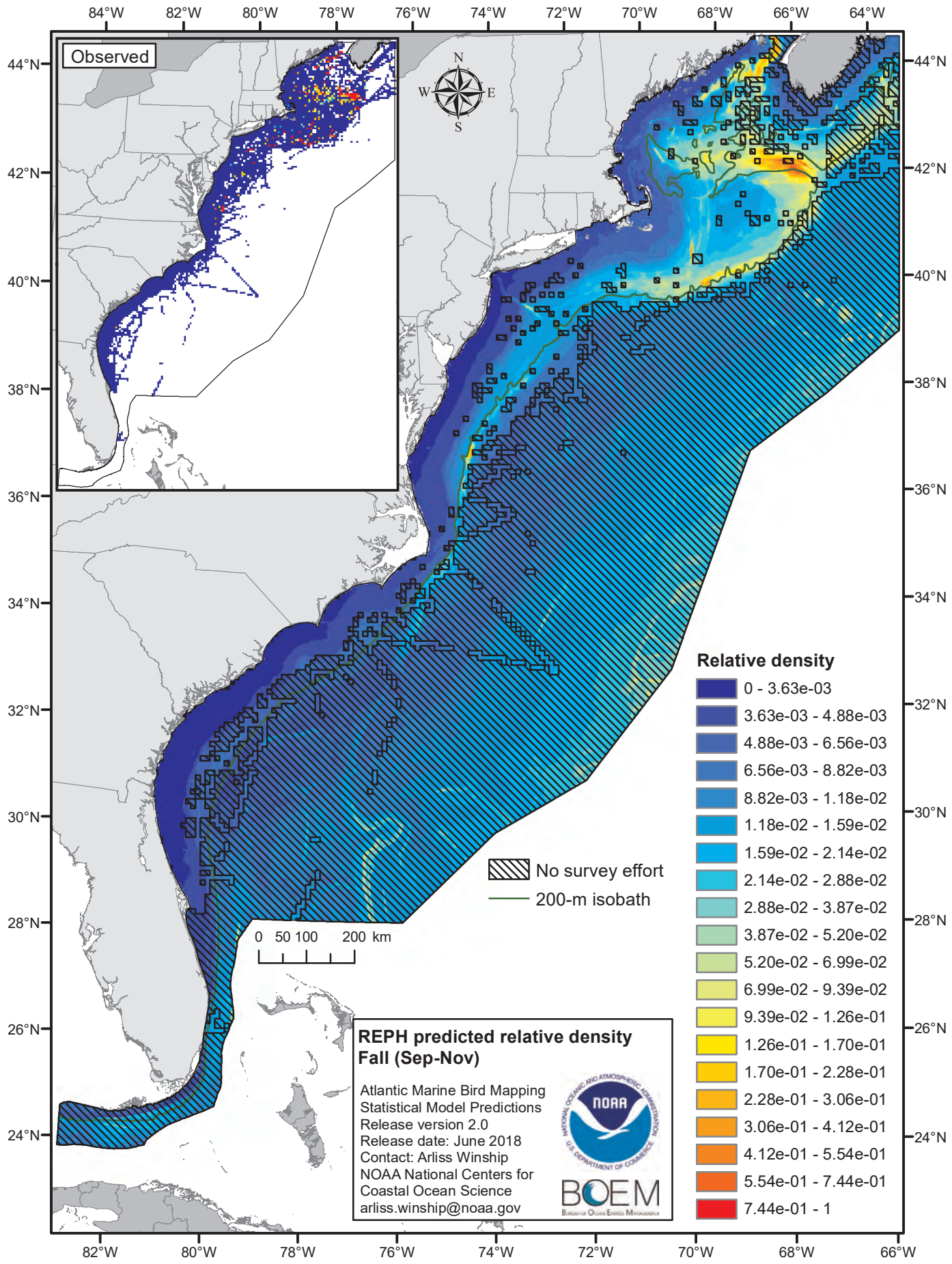
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.63e-03
3.63e-03 - 4.88e-03
4.88e-03 - 6.56e-03
6.56e-03 - 8.82e-03
8.82e-03 - 1.18e-02
1.18e-02 - 1.59e-02
1.59e-02 - 2.14e-02
2.14e-02 - 2.88e-02
2.88e-02 - 3.87e-02
3.87e-02 - 5.20e-02
5.20e-02 - 6.99e-02
6.99e-02 - 9.39e-02
9.39e-02 - 1.26e-01
1.26e-01 - 1.70e-01
1.70e-01 - 2.28e-01
2.28e-01 - 3.06e-01
3.06e-01 - 4.12e-01
4.12e-01 - 5.54e-01
5.54e-01 - 7.44e-01
7.44e-01 - 1
REPH predicted relative density
Fall (Sep-Nov)
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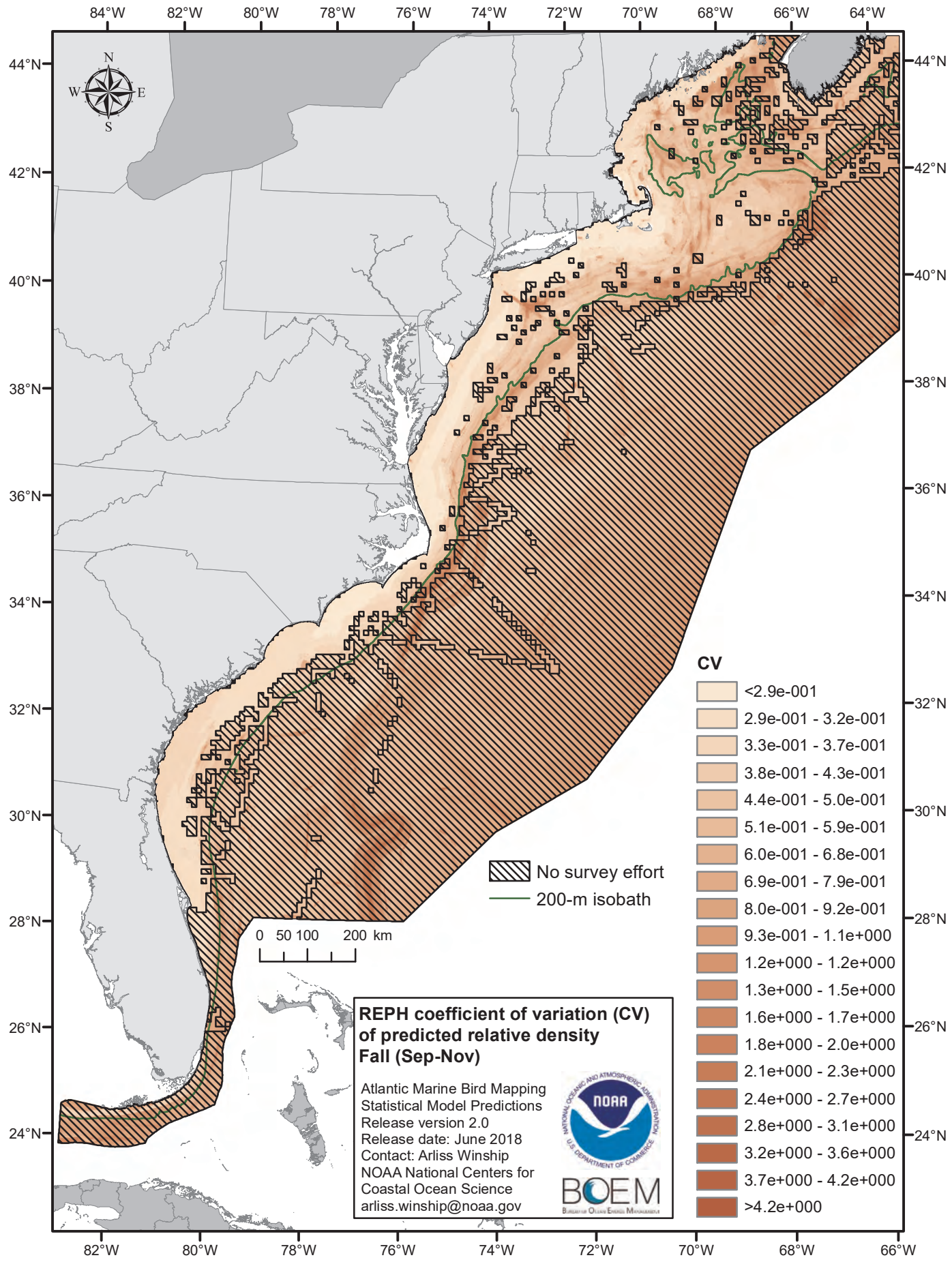
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.9e-001
2.9e-001 - 3.2e-001
3.3e-001 - 3.7e-001
3.8e-001 - 4.3e-001
4.4e-001 - 5.0e-001
5.1e-001 - 5.9e-001
6.0e-001 - 6.8e-001
6.9e-001 - 7.9e-001
8.0e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.1e+000
3.2e+000 - 3.6e+000
3.7e+000 - 4.2e+000
>4.2e+000
REPH coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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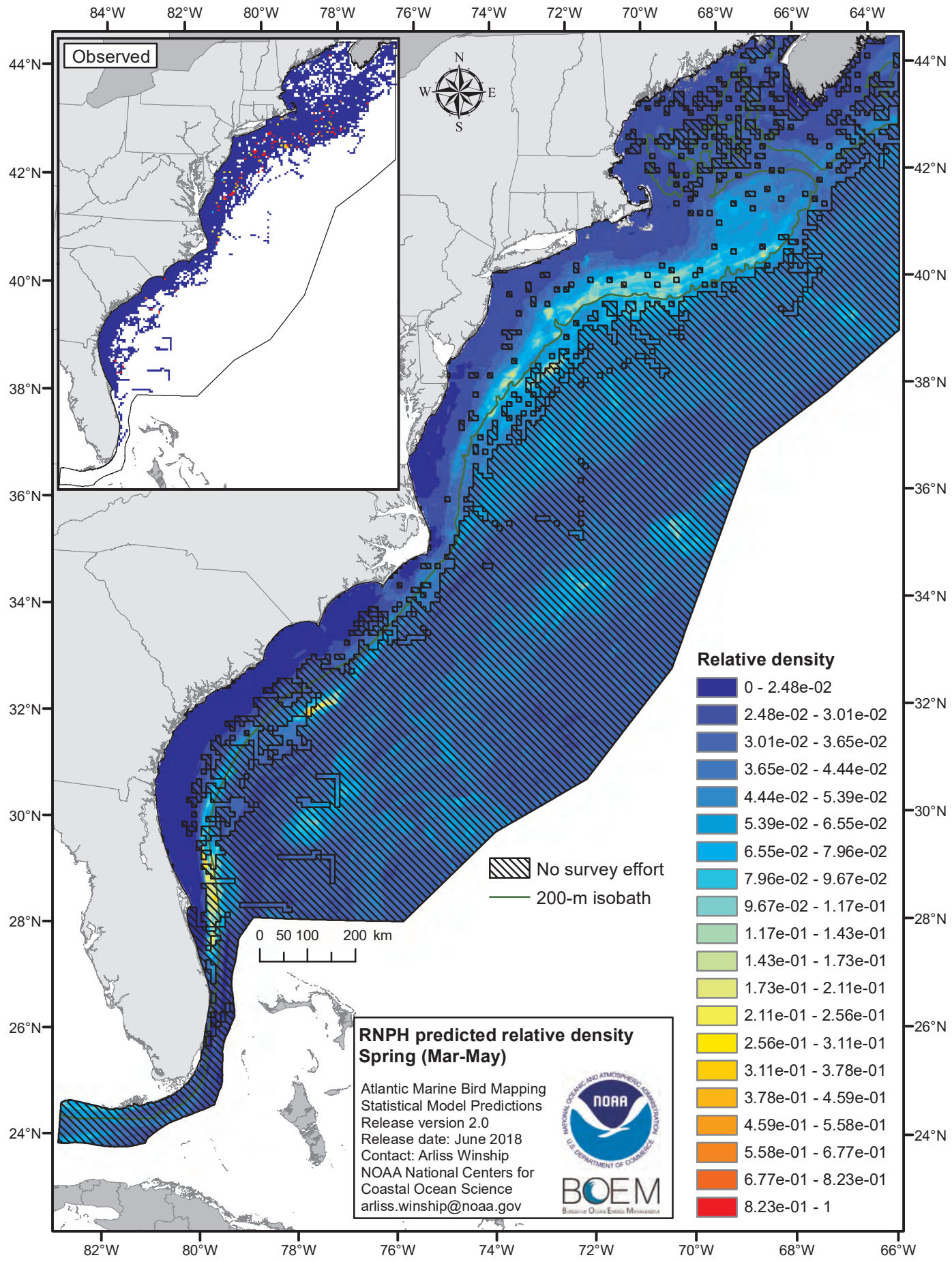
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 2.48e-02
2.48e-02 - 3.01e-02
3.01e-02 - 3.65e-02
3.65e-02 - 4.44e-02
4.44e-02 - 5.39e-02
5.39e-02 - 6.55e-02
6.55e-02 - 7.96e-02
7.96e-02 - 9.67e-02
9.67e-02 - 1.17e-01
1.17e-01 - 1.43e-01
1.43e-01 - 1.73e-01
1.73e-01 - 2.11e-01
2.11e-01 - 2.56e-01
2.56e-01 - 3.11e-01
3.11e-01 - 3.78e-01
3.78e-01 - 4.59e-01
4.59e-01 - 5.58e-01
5.58e-01 - 6.77e-01
6.77e-01 - 8.23e-01
8.23e-01 - 1
RNPH predicted relative density
Spring (Mar-May)
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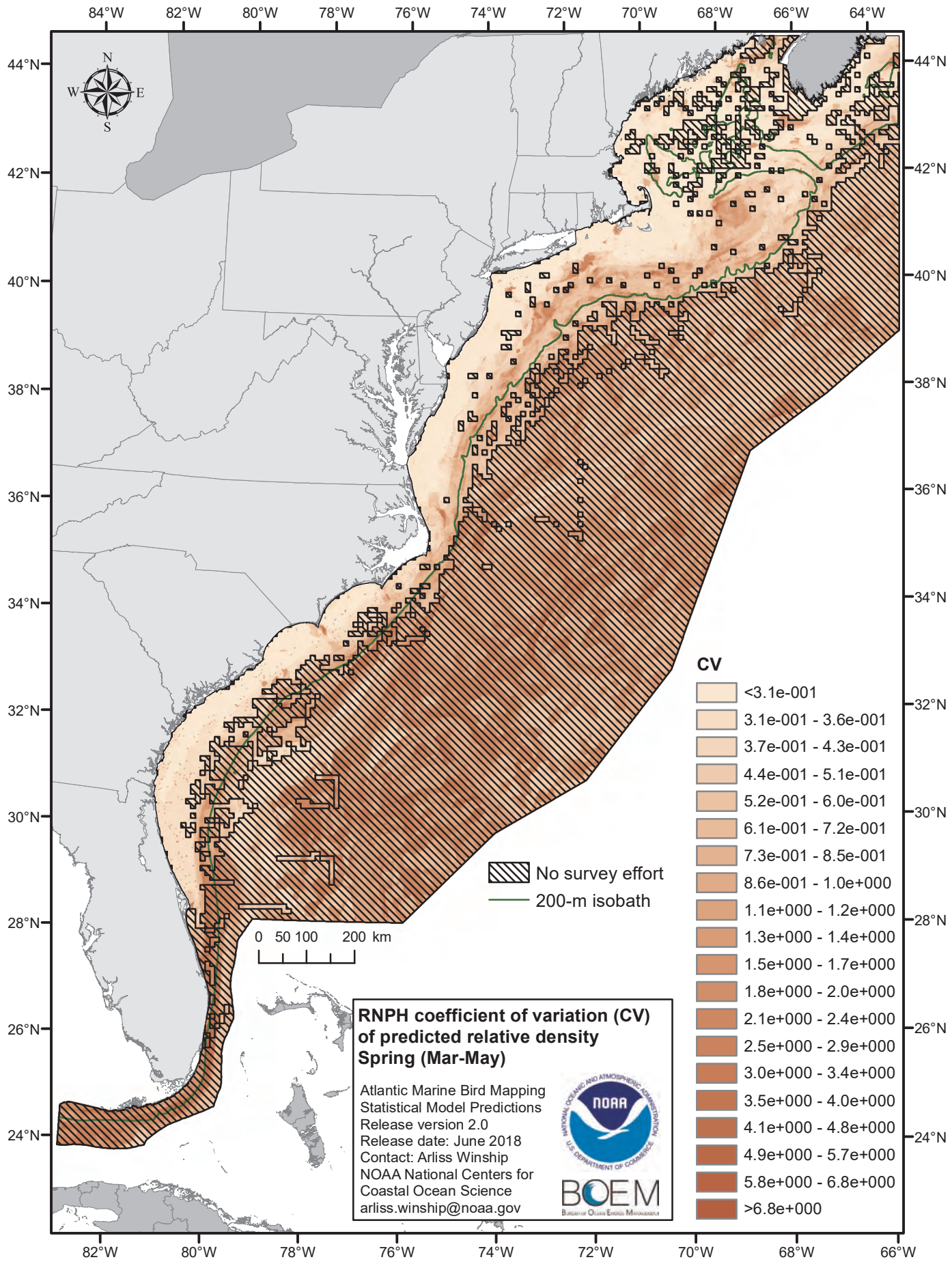
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.1e-001
3.1e-001 - 3.6e-001
3.7e-001 - 4.3e-001
4.4e-001 - 5.1e-001
5.2e-001 - 6.0e-001
6.1e-001 - 7.2e-001
7.3e-001 - 8.5e-001
8.6e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.4e+000
3.5e+000 - 4.0e+000
4.1e+000 - 4.8e+000
4.9e+000 - 5.7e+000
5.8e+000 - 6.8e+000
>6.8e+000
RNPH coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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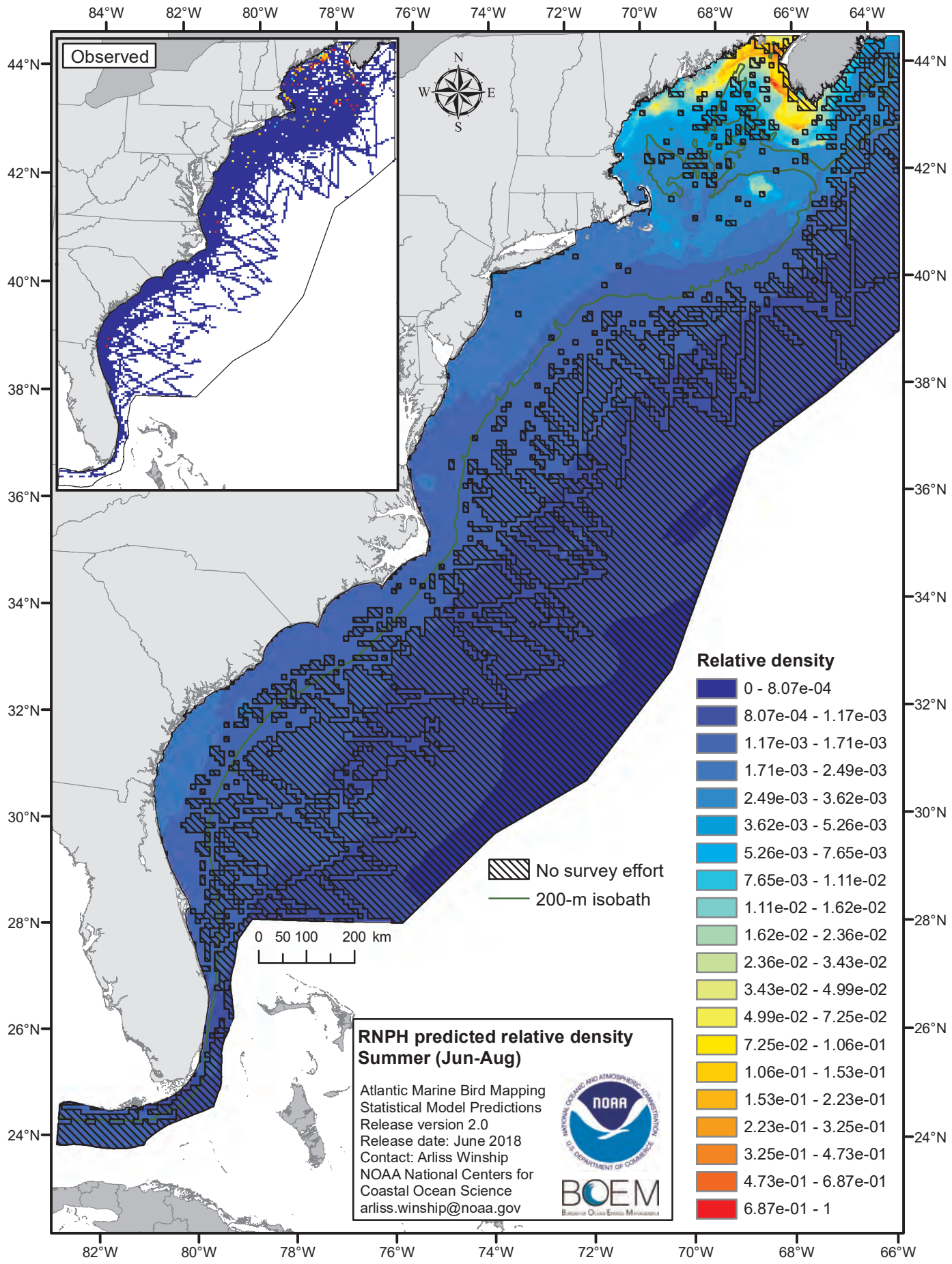
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 8.07e-04
8.07e-04 - 1.17e-03
1.17e-03 - 1.71e-03
1.71e-03 - 2.49e-03
2.49e-03 - 3.62e-03
3.62e-03 - 5.26e-03
5.26e-03 - 7.65e-03
7.65e-03 - 1.11e-02
1.11e-02 - 1.62e-02
1.62e-02 - 2.36e-02
2.36e-02 - 3.43e-02
3.43e-02 - 4.99e-02
4.99e-02 - 7.25e-02
7.25e-02 - 1.06e-01
1.06e-01 - 1.53e-01
1.53e-01 - 2.23e-01
2.23e-01 - 3.25e-01
3.25e-01 - 4.73e-01
4.73e-01 - 6.87e-01
6.87e-01 - 1
RNPH predicted relative density
Summer (Jun-Aug)
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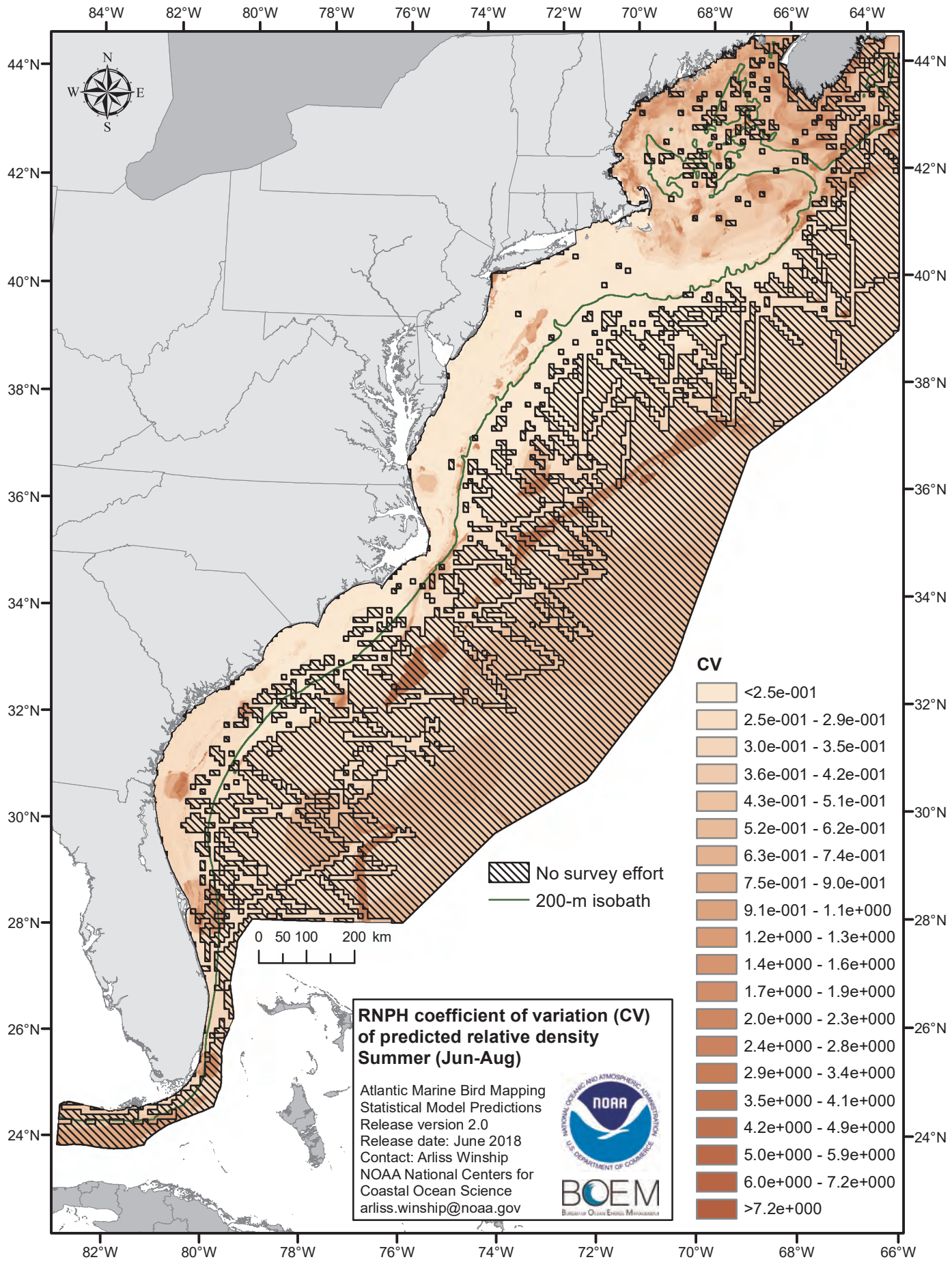
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.5e-001
2.5e-001 - 2.9e-001
3.0e-001 - 3.5e-001
3.6e-001 - 4.2e-001
4.3e-001 - 5.1e-001
5.2e-001 - 6.2e-001
6.3e-001 - 7.4e-001
7.5e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.1e+000
4.2e+000 - 4.9e+000
5.0e+000 - 5.9e+000
6.0e+000 - 7.2e+000
>7.2e+000
RNPH coefficient of variation (CV) of predicted relative density
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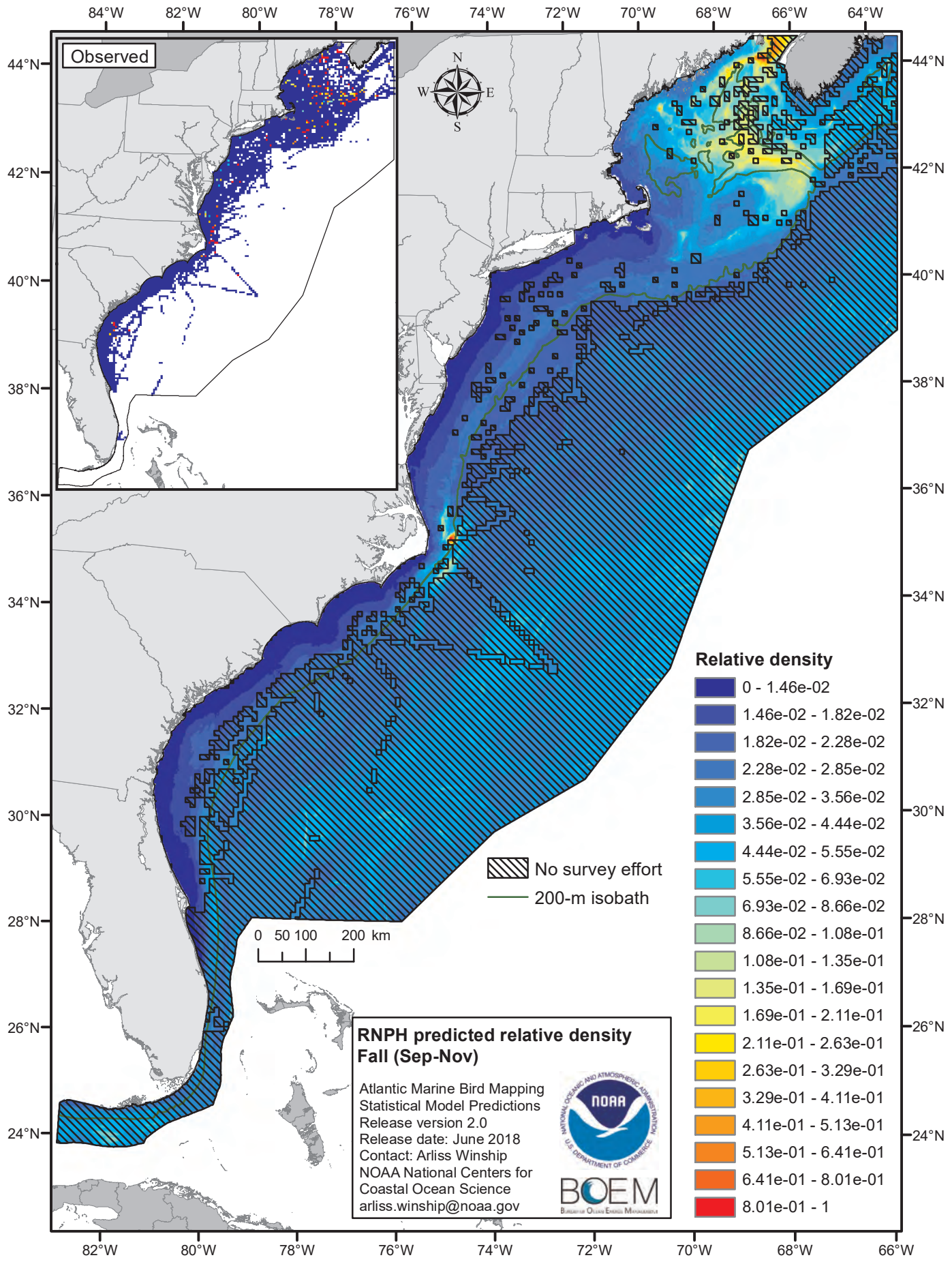
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 1.46e-02
1.46e-02 - 1.82e-02
1.82e-02 - 2.28e-02
2.28e-02 - 2.85e-02
2.85e-02 - 3.56e-02
3.56e-02 - 4.44e-02
4.44e-02 - 5.55e-02
5.55e-02 - 6.93e-02
6.93e-02 - 8.66e-02
8.66e-02 - 1.08e-01
1.08e-01 - 1.35e-01
1.35e-01 - 1.69e-01
1.69e-01 - 2.11e-01
2.11e-01 - 2.63e-01
2.63e-01 - 3.29e-01
3.29e-01 - 4.11e-01
4.11e-01 - 5.13e-01
5.13e-01 - 6.41e-01
6.41e-01 - 8.01e-01
8.01e-01 - 1
RNPH predicted relative density
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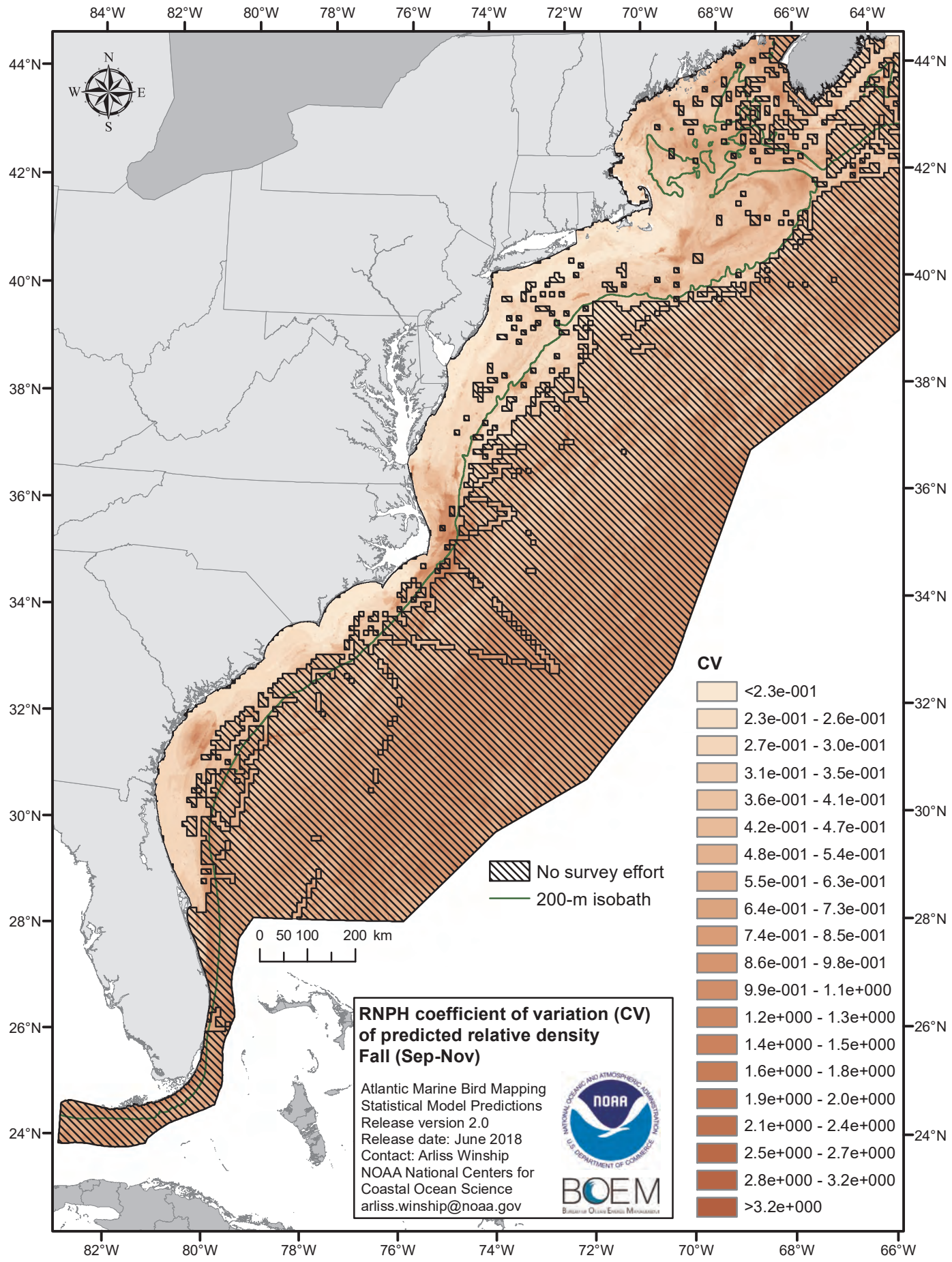
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.3e-001
2.3e-001 - 2.6e-001
2.7e-001 - 3.0e-001
3.1e-001 - 3.5e-001
3.6e-001 - 4.1e-001
4.2e-001 - 4.7e-001
4.8e-001 - 5.4e-001
5.5e-001 - 6.3e-001
6.4e-001 - 7.3e-001
7.4e-001 - 8.5e-001
8.6e-001 - 9.8e-001
9.9e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.7e+000
2.8e+000 - 3.2e+000
>3.2e+000
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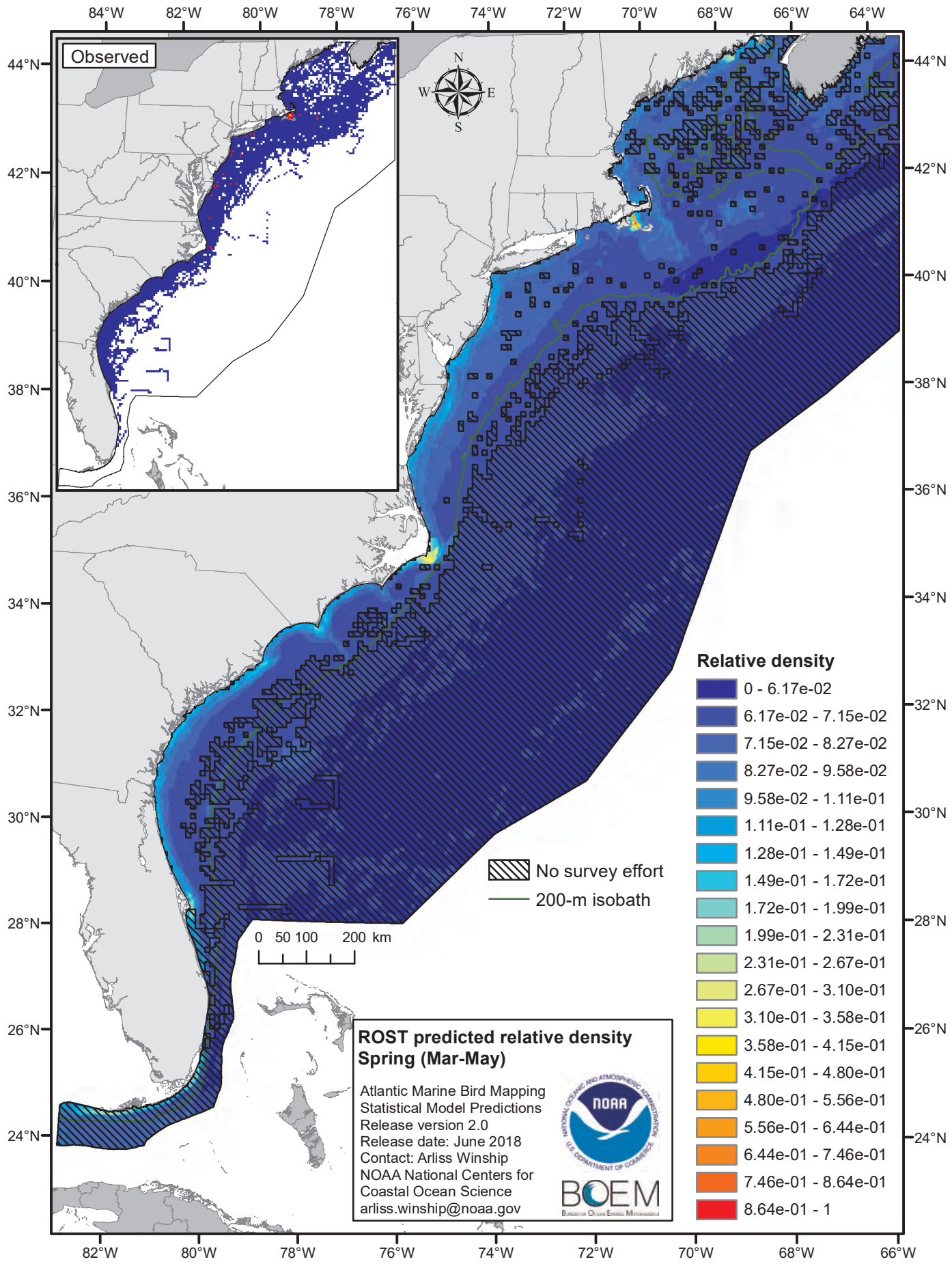
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.17e-02
6.17e-02 - 7.15e-02
7.15e-02 - 8.27e-02
8.27e-02 - 9.58e-02
9.58e-02 - 1.11e-01
1.11e-01 - 1.28e-01
1.28e-01 - 1.49e-01
1.49e-01 - 1.72e-01
1.72e-01 - 1.99e-01
1.99e-01 - 2.31e-01
2.31e-01 - 2.67e-01
2.67e-01 - 3.10e-01
3.10e-01 - 3.58e-01
3.58e-01 - 4.15e-01
4.15e-01 - 4.80e-01
4.80e-01 - 5.56e-01
5.56e-01 - 6.44e-01
6.44e-01 - 7.46e-01
7.46e-01 - 8.64e-01
8.64e-01 - 1
ROST predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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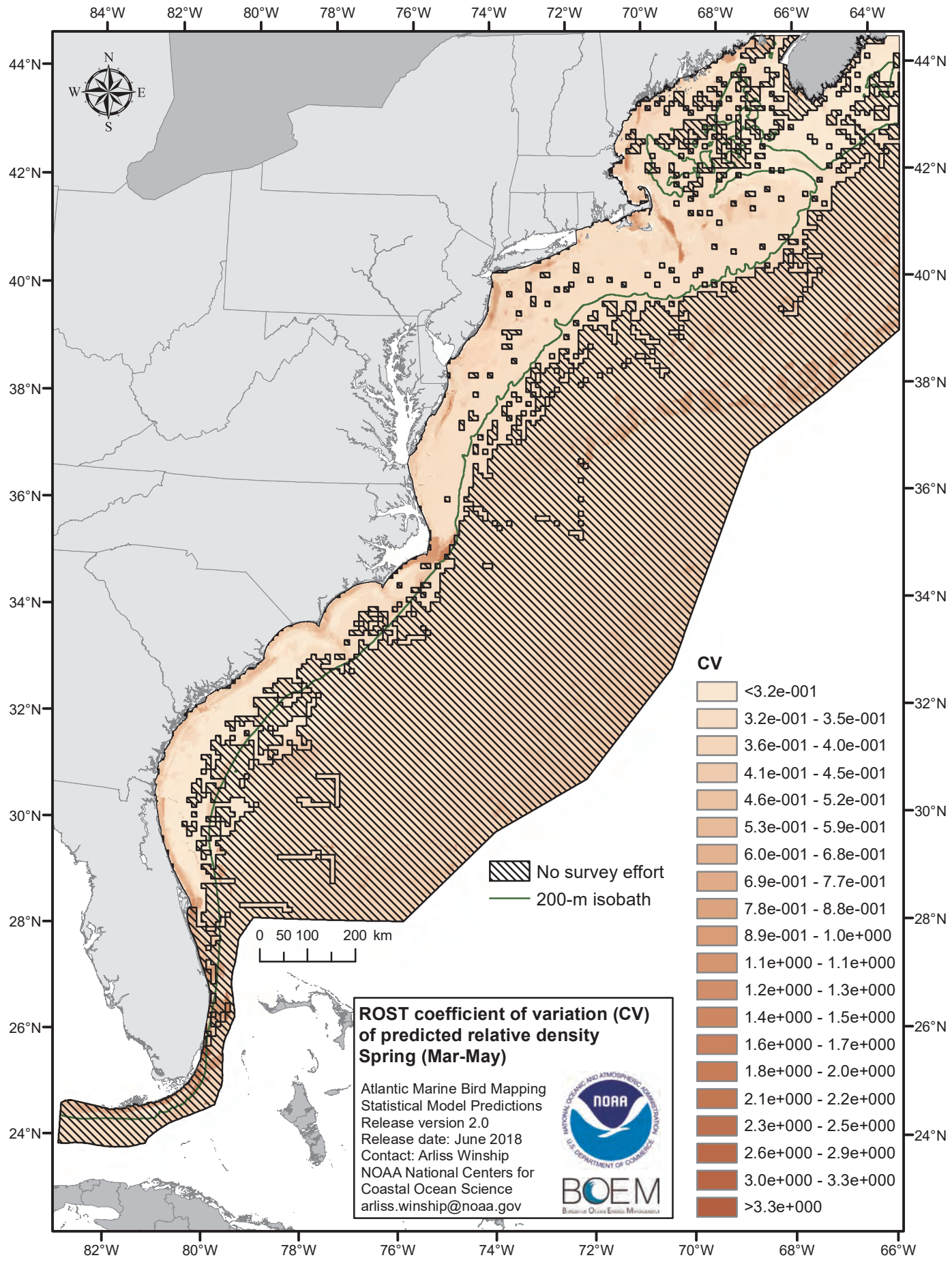
BOEM


84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.2e-001
3.2e-001 - 3.5e-001
3.6e-001 - 4.0e-001
4.1e-001 - 4.5e-001
4.6e-001 - 5.2e-001
5.3e-001 - 5.9e-001
6.0e-001 - 6.8e-001
6.9e-001 - 7.7e-001
7.8e-001 - 8.8e-001
8.9e-001 - 1.0e+000
1.1e+000 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.2e+000
2.3e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.3e+000
>3.3e+000
ROST coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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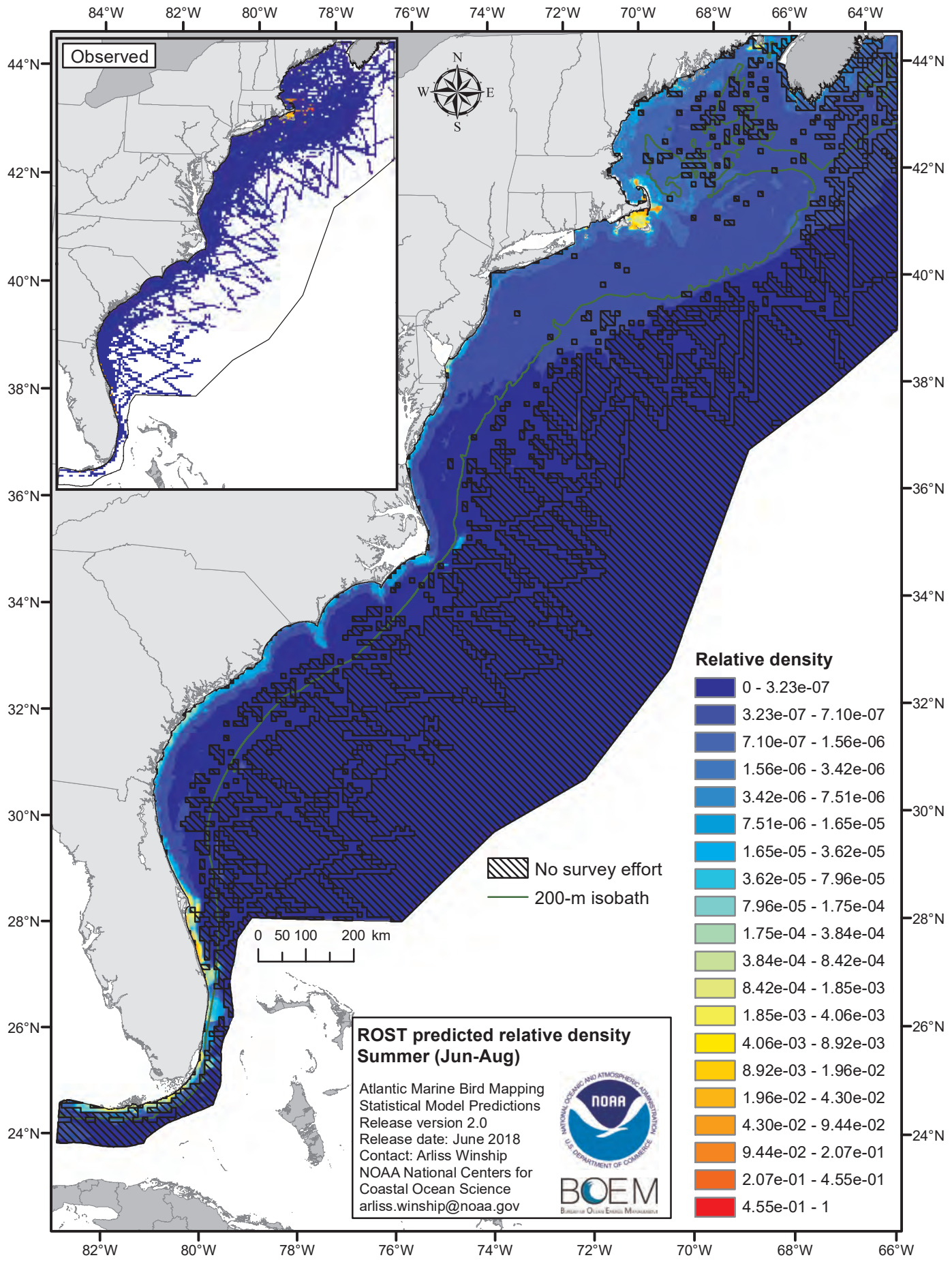
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.23e-07
3.23e-07 - 7.10e-07
7.10e-07 - 1.56e-06
1.56e-06 - 3.42e-06
3.42e-06 - 7.51e-06
7.51e-06 - 1.65e-05
1.65e-05 - 3.62e-05
3.62e-05 - 7.96e-05
7.96e-05 - 1.75e-04
1.75e-04 - 3.84e-04
3.84e-04 - 8.42e-04
8.42e-04 - 1.85e-03
1.85e-03 - 4.06e-03
4.06e-03 - 8.92e-03
8.92e-03 - 1.96e-02
1.96e-02 - 4.30e-02
4.30e-02 - 9.44e-02
9.44e-02 - 2.07e-01
2.07e-01 - 4.55e-01
4.55e-01 - 1
ROST predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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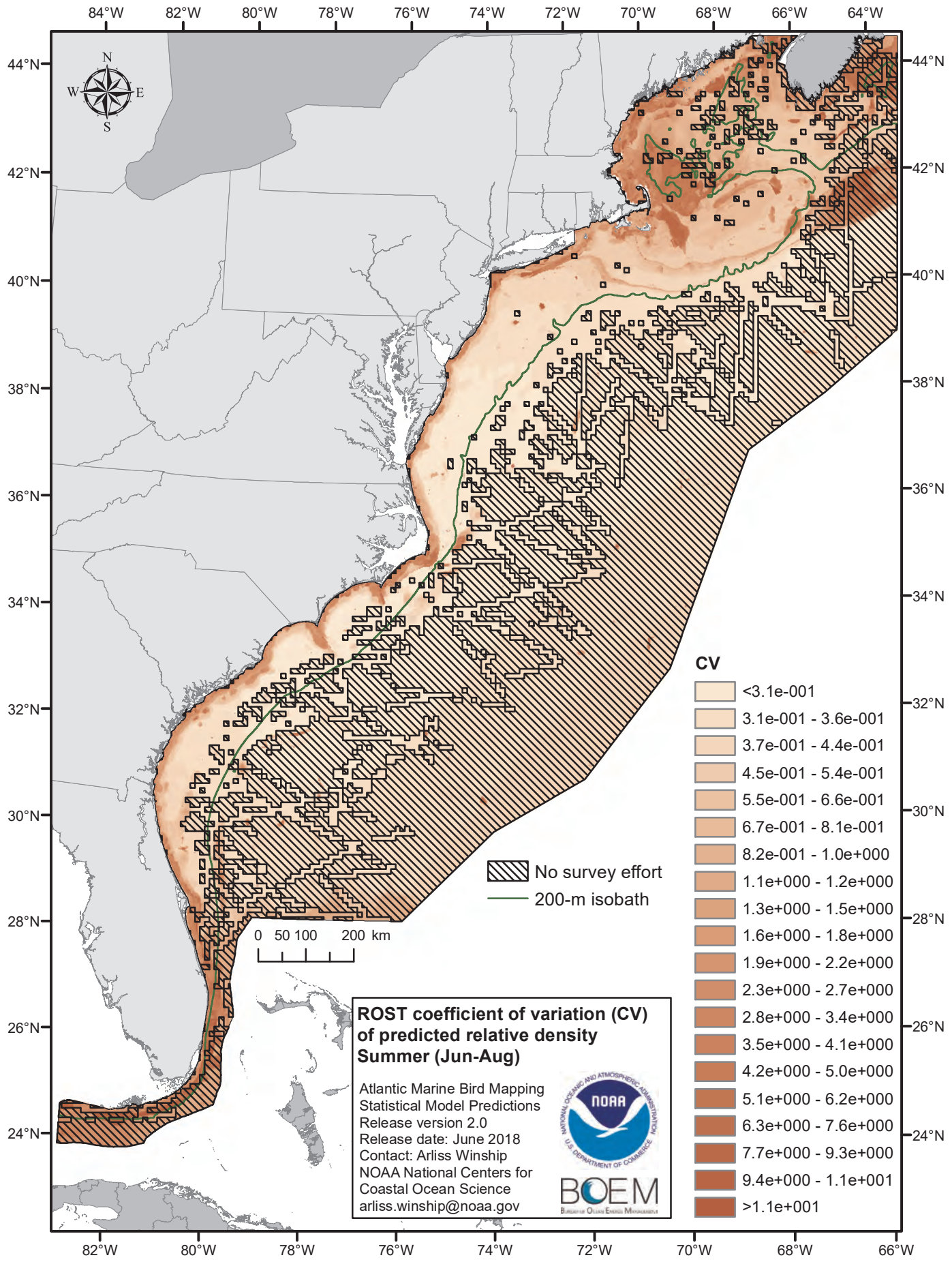
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.1e-001
3.1e-001 - 3.6e-001
3.7e-001 - 4.4e-001
4.5e-001 - 5.4e-001
5.5e-001 - 6.6e-001
6.7e-001 - 8.1e-001
8.2e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.7e+000
2.8e+000 - 3.4e+000
3.5e+000 - 4.1e+000
4.2e+000 - 5.0e+000
5.1e+000 - 6.2e+000
6.3e+000 - 7.6e+000
7.7e+000 - 9.3e+000
9.4e+000 - 1.1e+001
>1.1e+001
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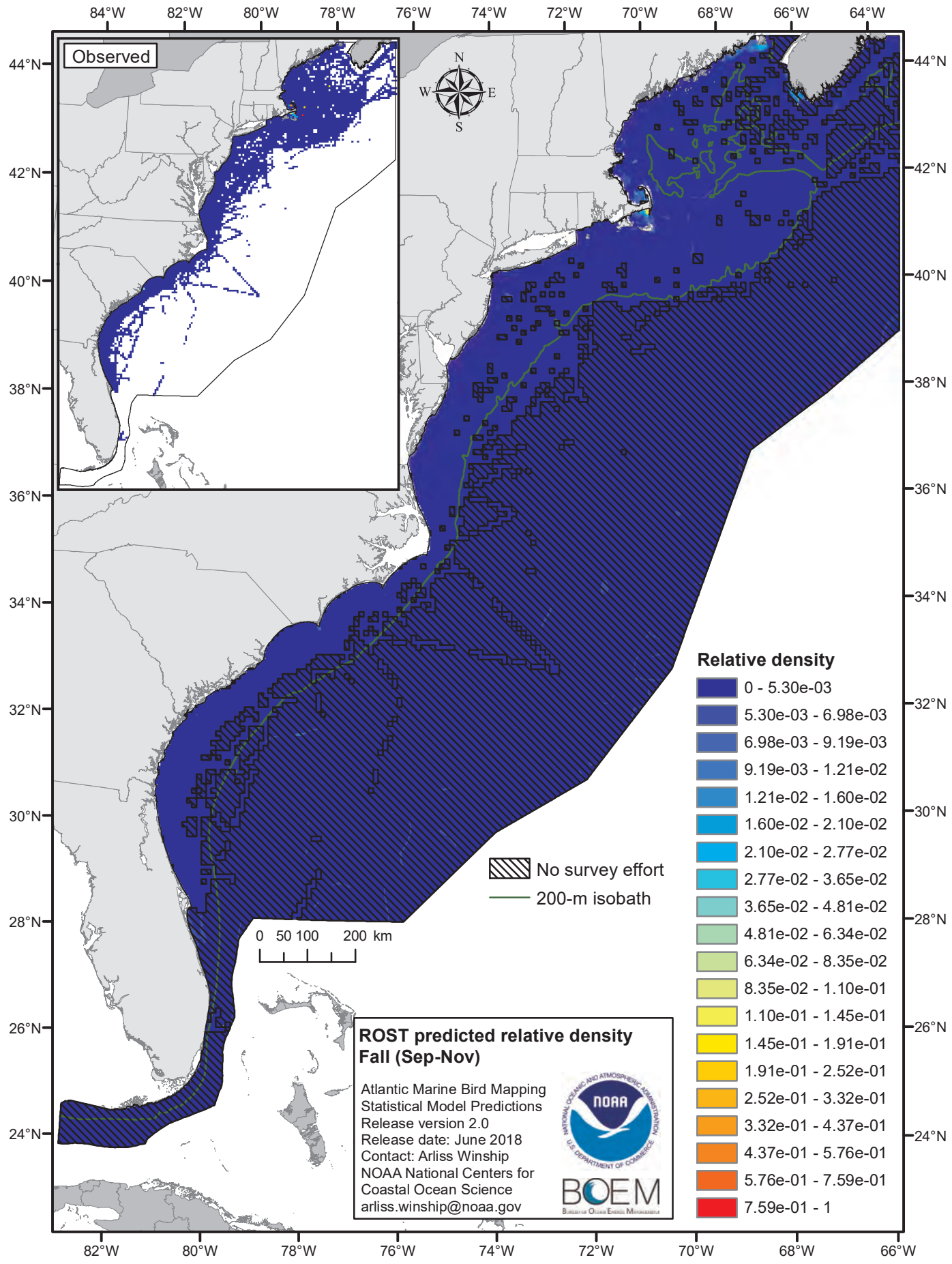
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 5.30e-03
5.30e-03 - 6.98e-03
6.98e-03 - 9.19e-03
9.19e-03 - 1.21e-02
1.21e-02 - 1.60e-02
1.60e-02 - 2.10e-02
2.10e-02 - 2.77e-02
2.77e-02 - 3.65e-02
3.65e-02 - 4.81e-02
4.81e-02 - 6.34e-02
6.34e-02 - 8.35e-02
8.35e-02 - 1.10e-01
1.10e-01 - 1.45e-01
1.45e-01 - 1.91e-01
1.91e-01 - 2.52e-01
2.52e-01 - 3.32e-01
3.32e-01 - 4.37e-01
4.37e-01 - 5.76e-01
5.76e-01 - 7.59e-01
7.59e-01 - 1
ROST predicted relative density
Fall (Sep-Nov)
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Statistical Model Predictions
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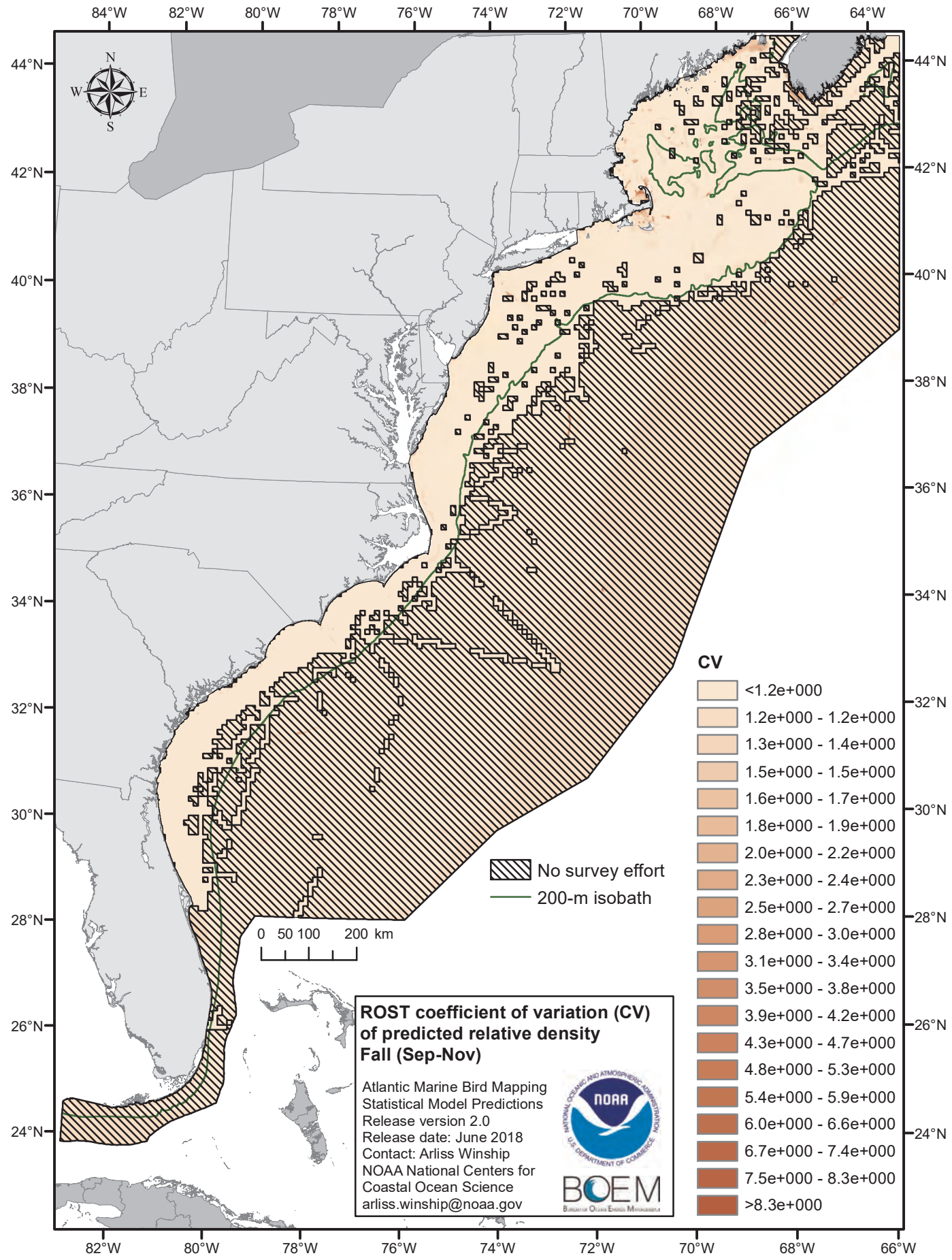
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.2e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 1.9e+000
2.0e+000 - 2.2e+000
2.3e+000 - 2.4e+000
2.5e+000 - 2.7e+000
2.8e+000 - 3.0e+000
3.1e+000 - 3.4e+000
3.5e+000 - 3.8e+000
3.9e+000 - 4.2e+000
4.3e+000 - 4.7e+000
4.8e+000 - 5.3e+000
5.4e+000 - 5.9e+000
6.0e+000 - 6.6e+000
6.7e+000 - 7.4e+000
7.5e+000 - 8.3e+000
>8.3e+000
ROST coefficient of variation (CV) of predicted relative density
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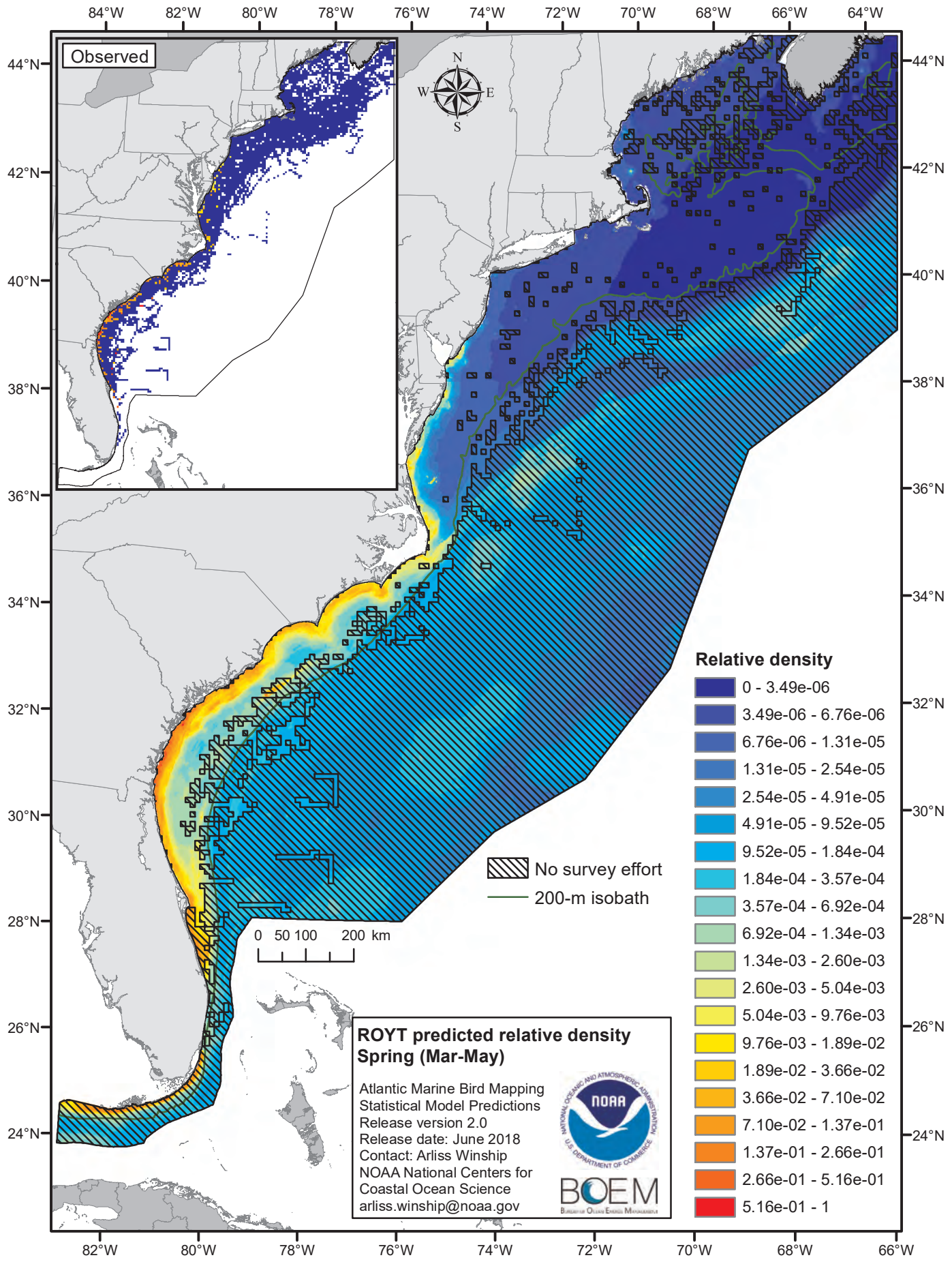
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.49e-06
3.49e-06 - 6.76e-06
6.76e-06 - 1.31e-05
1.31e-05 - 2.54e-05
2.54e-05 - 4.91e-05
4.91e-05 - 9.52e-05
9.52e-05 - 1.84e-04
1.84e-04 - 3.57e-04
3.57e-04 - 6.92e-04
6.92e-04 - 1.34e-03
1.34e-03 - 2.60e-03
2.60e-03 - 5.04e-03
5.04e-03 - 9.76e-03
9.76e-03 - 1.89e-02
1.89e-02 - 3.66e-02
3.66e-02 - 7.10e-02
7.10e-02 - 1.37e-01
1.37e-01 - 2.66e-01
2.66e-01 - 5.16e-01
5.16e-01 - 1
ROYT predicted relative density
Spring (Mar-May)
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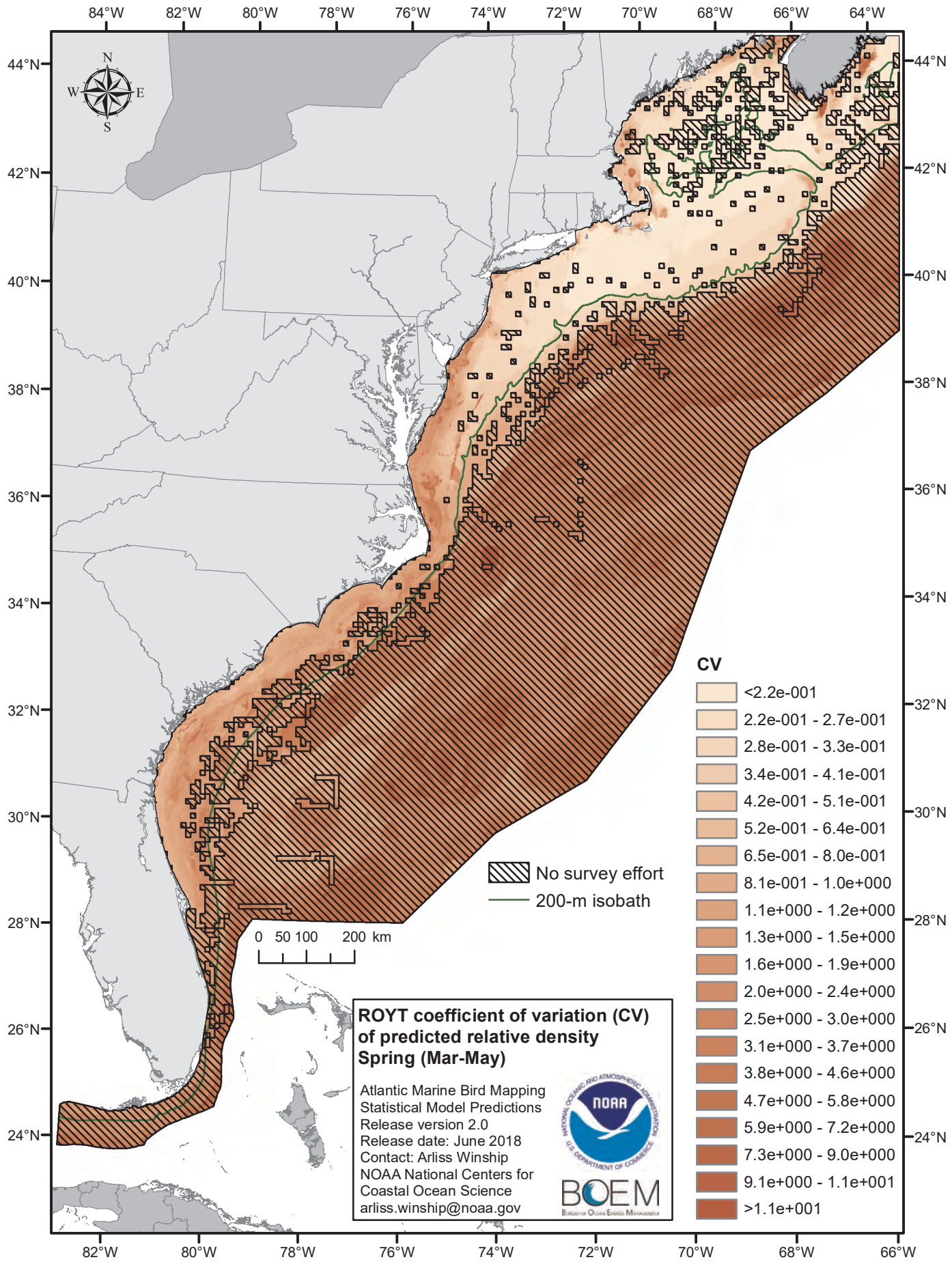
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.2e-001
2.2e-001 - 2.7e-001
2.8e-001 - 3.3e-001
3.4e-001 - 4.1e-001
4.2e-001 - 5.1e-001
5.2e-001 - 6.4e-001
6.5e-001 - 8.0e-001
8.1e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.9e+000
2.0e+000 - 2.4e+000
2.5e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.6e+000
4.7e+000 - 5.8e+000
5.9e+000 - 7.2e+000
7.3e+000 - 9.0e+000
9.1e+000 - 1.1e+001
>1.1e+001
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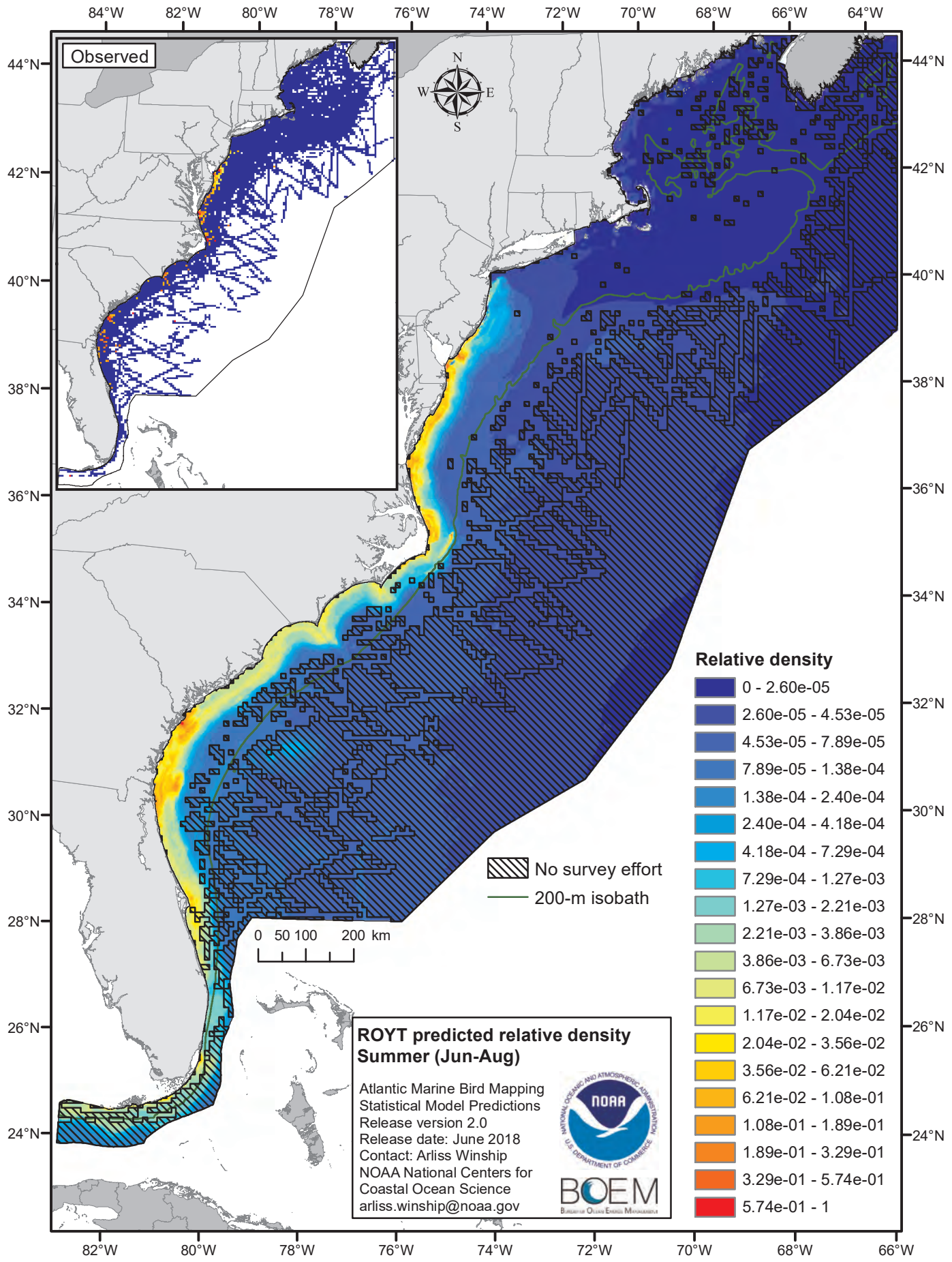
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.60e-05
2.60e-05 - 4.53e-05
4.53e-05 - 7.89e-05
7.89e-05 - 1.38e-04
1.38e-04 - 2.40e-04
2.40e-04 - 4.18e-04
4.18e-04 - 7.29e-04
7.29e-04 - 1.27e-03
1.27e-03 - 2.21e-03
2.21e-03 - 3.86e-03
3.86e-03 - 6.73e-03
6.73e-03 - 1.17e-02
1.17e-02 - 2.04e-02
2.04e-02 - 3.56e-02
3.56e-02 - 6.21e-02
6.21e-02 - 1.08e-01
1.08e-01 - 1.89e-01
1.89e-01 - 3.29e-01
3.29e-01 - 5.74e-01
5.74e-01 - 1
ROYT predicted relative density
Summer (Jun-Aug)
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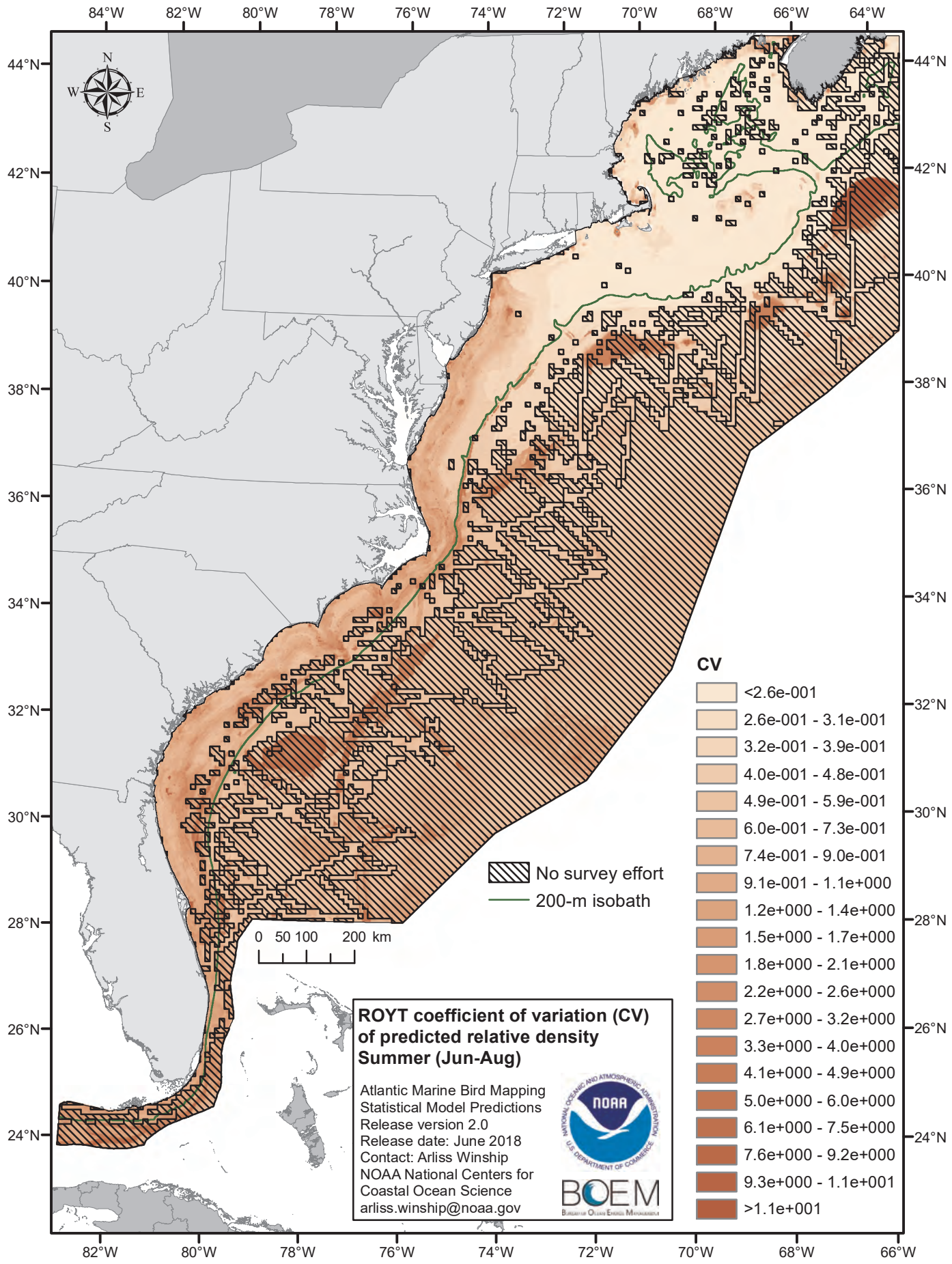
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.6e-001
2.6e-001 - 3.1e-001
3.2e-001 - 3.9e-001
4.0e-001 - 4.8e-001
4.9e-001 - 5.9e-001
6.0e-001 - 7.3e-001
7.4e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.0e+000
6.1e+000 - 7.5e+000
7.6e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
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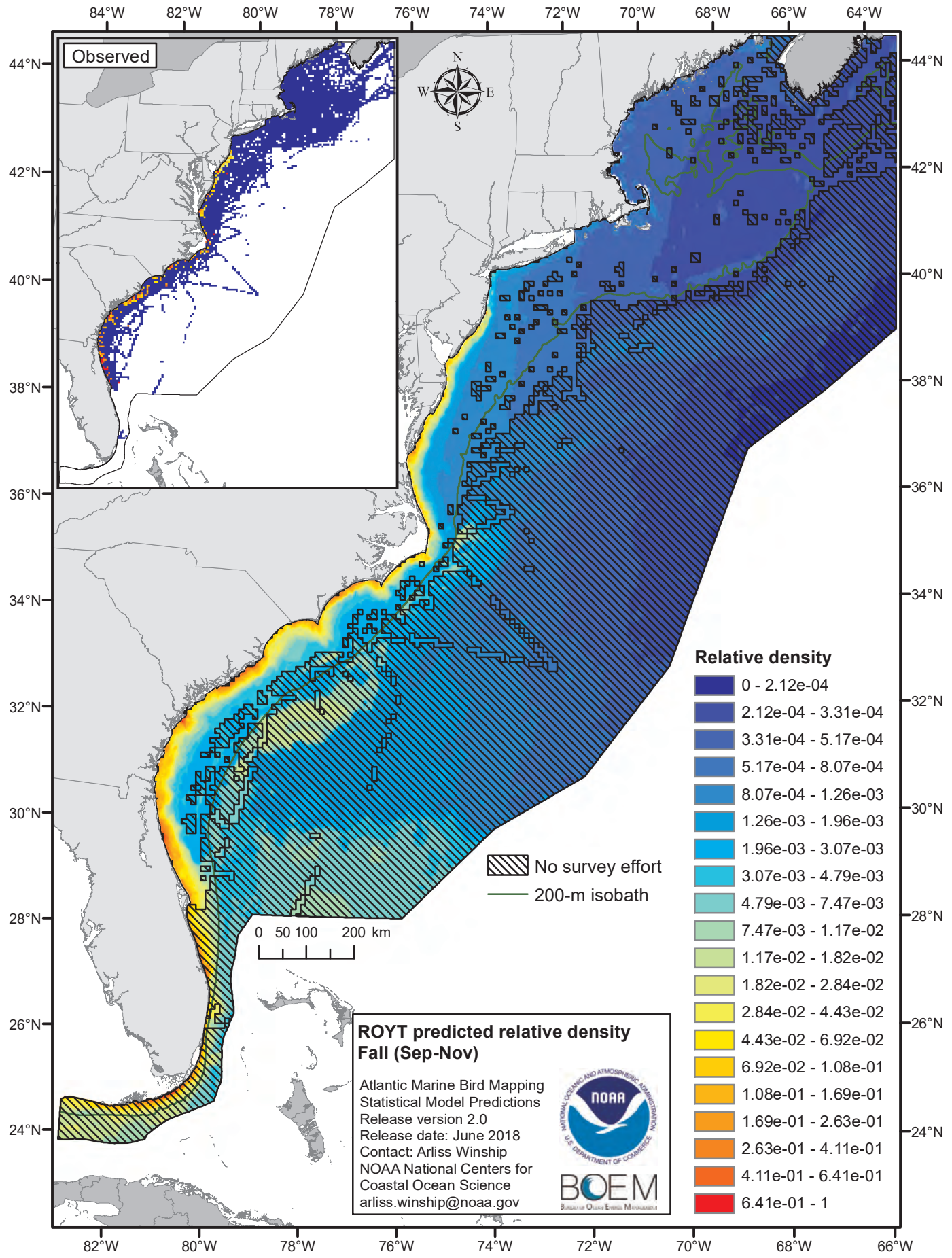
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.12e-04
2.12e-04 - 3.31e-04
3.31e-04 - 5.17e-04
5.17e-04 - 8.07e-04
8.07e-04 - 1.26e-03
1.26e-03 - 1.96e-03
1.96e-03 - 3.07e-03
3.07e-03 - 4.79e-03
4.79e-03 - 7.47e-03
7.47e-03 - 1.17e-02
1.17e-02 - 1.82e-02
1.82e-02 - 2.84e-02
2.84e-02 - 4.43e-02
4.43e-02 - 6.92e-02
6.92e-02 - 1.08e-01
1.08e-01 - 1.69e-01
1.69e-01 - 2.63e-01
2.63e-01 - 4.11e-01
4.11e-01 - 6.41e-01
6.41e-01 - 1
ROYT predicted relative density
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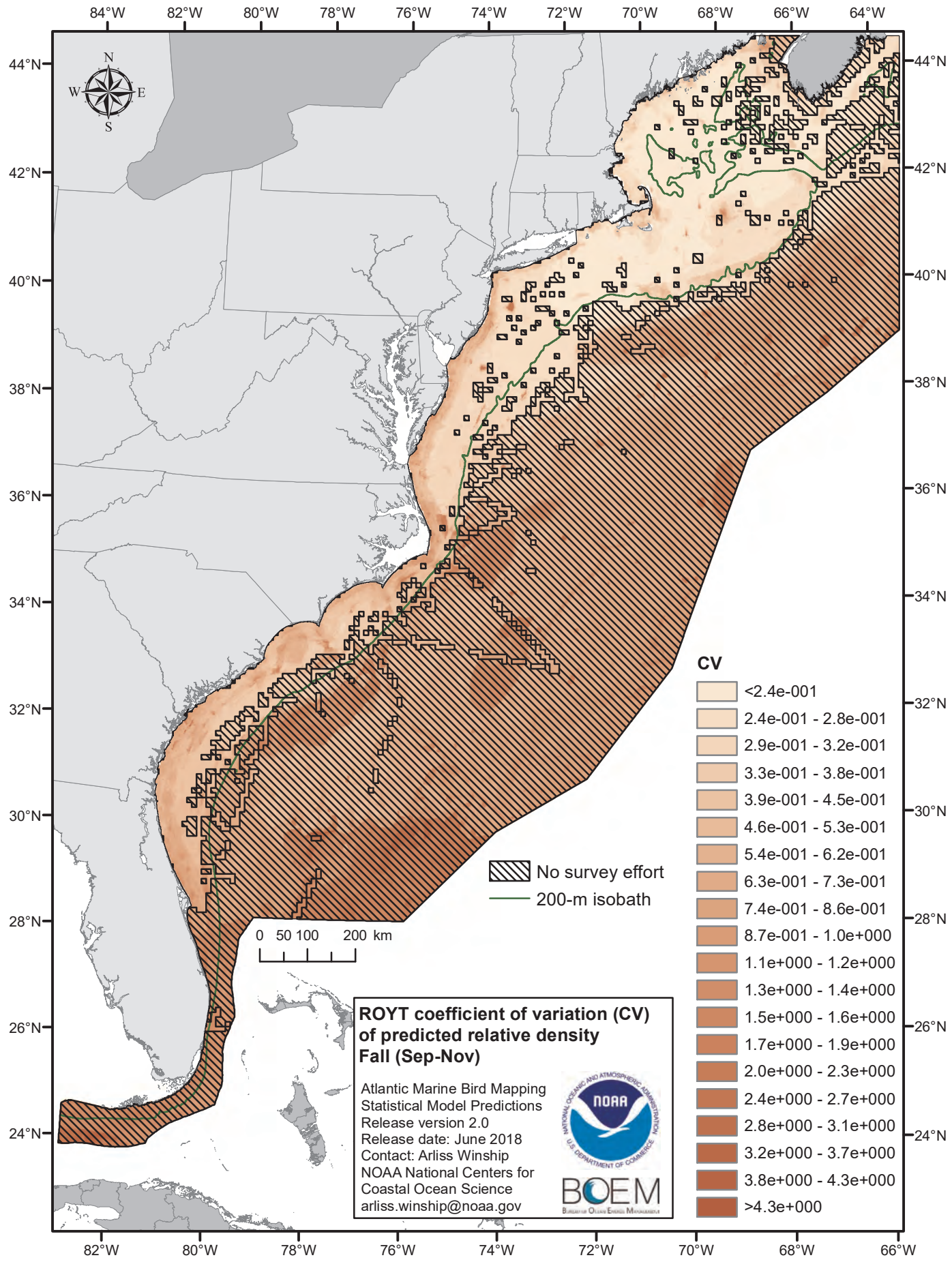
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.4e-001
2.4e-001 - 2.8e-001
2.9e-001 - 3.2e-001
3.3e-001 - 3.8e-001
3.9e-001 - 4.5e-001
4.6e-001 - 5.3e-001
5.4e-001 - 6.2e-001
6.3e-001 - 7.3e-001
7.4e-001 - 8.6e-001
8.7e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.3e+000
>4.3e+000
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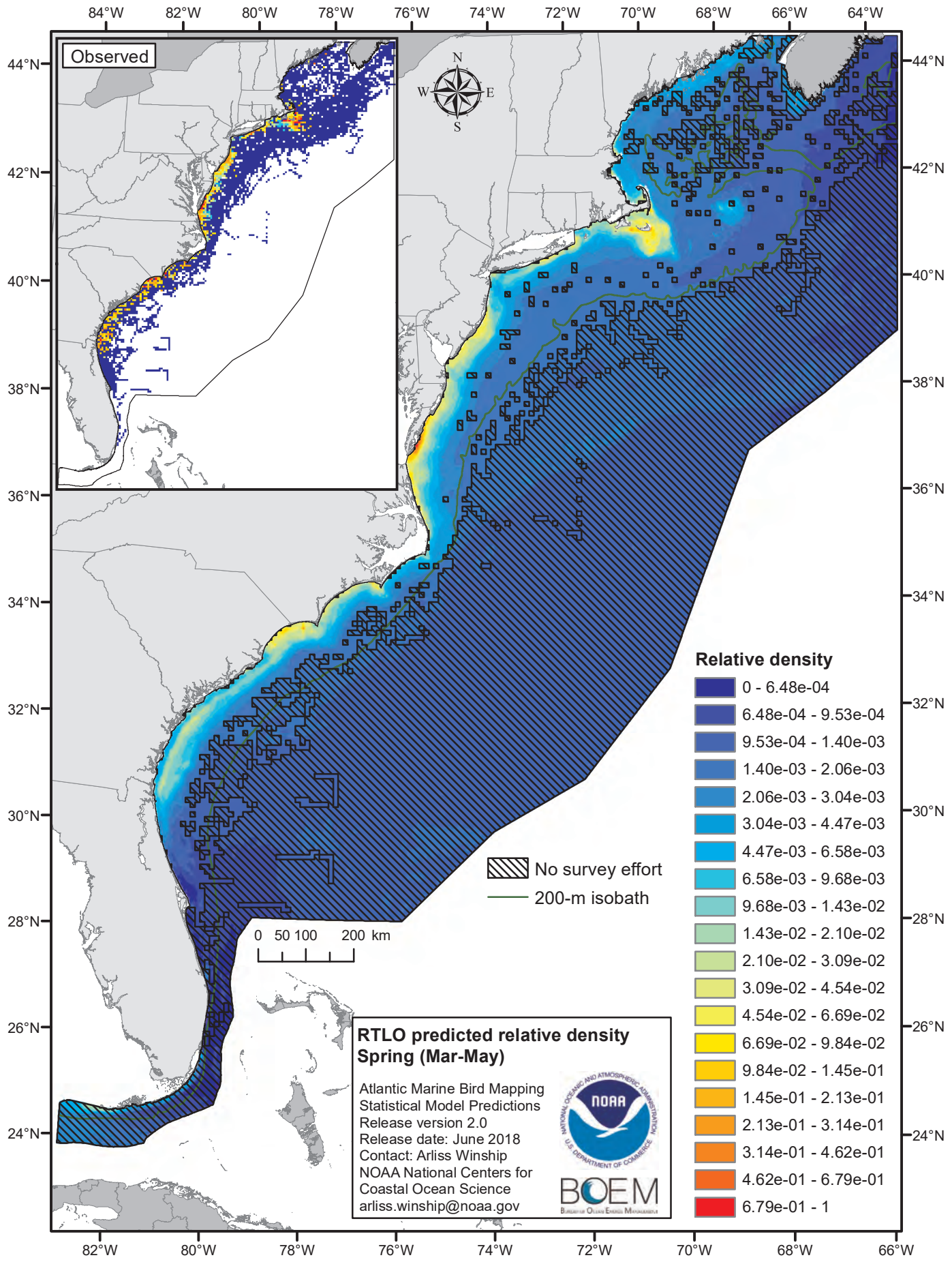
Observed
Relative density
0 - 6.48e-04
6.48e-04 - 9.53e-04
9.53e-04 - 1.40e-03
1.40e-03 - 2.06e-03
2.06e-03 - 3.04e-03
3.04e-03 - 4.47e-03
4.47e-03 - 6.58e-03
6.58e-03 - 9.68e-03
9.68e-03 - 1.43e-02
1.43e-02 - 2.10e-02
2.10e-02 - 3.09e-02
3.09e-02 - 4.54e-02
4.54e-02 - 6.69e-02
6.69e-02 - 9.84e-02
9.84e-02 - 1.45e-01
1.45e-01 - 2.13e-01
2.13e-01 - 3.14e-01
3.14e-01 - 4.62e-01
4.62e-01 - 6.79e-01
6.79e-01 - 1
No survey effort
200-m isobath
0 50 100 200 km
RTLO predicted relative density
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BOEM
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
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28°N
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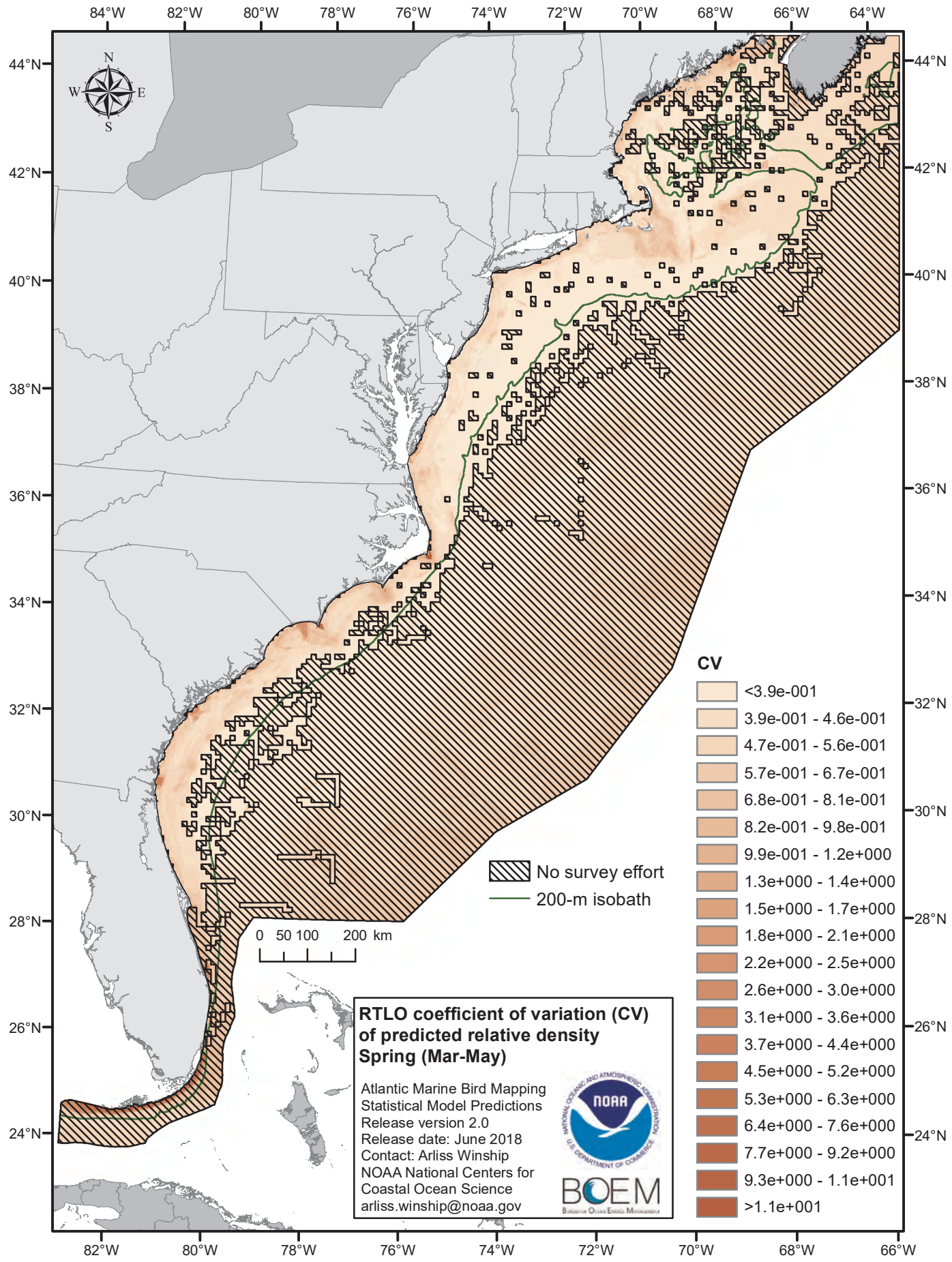
24°N
N
W
E
S


84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.9e-001
3.9e-001 - 4.6e-001
4.7e-001 - 5.6e-001
5.7e-001 - 6.7e-001
6.8e-001 - 8.1e-001
8.2e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.6e+000
3.7e+000 - 4.4e+000
4.5e+000 - 5.2e+000
5.3e+000 - 6.3e+000
6.4e+000 - 7.6e+000
7.7e+000 - 9.2e+000
9.3e+000 - 1.1e+001
>1.1e+001
RTLO coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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Statistical Model Predictions
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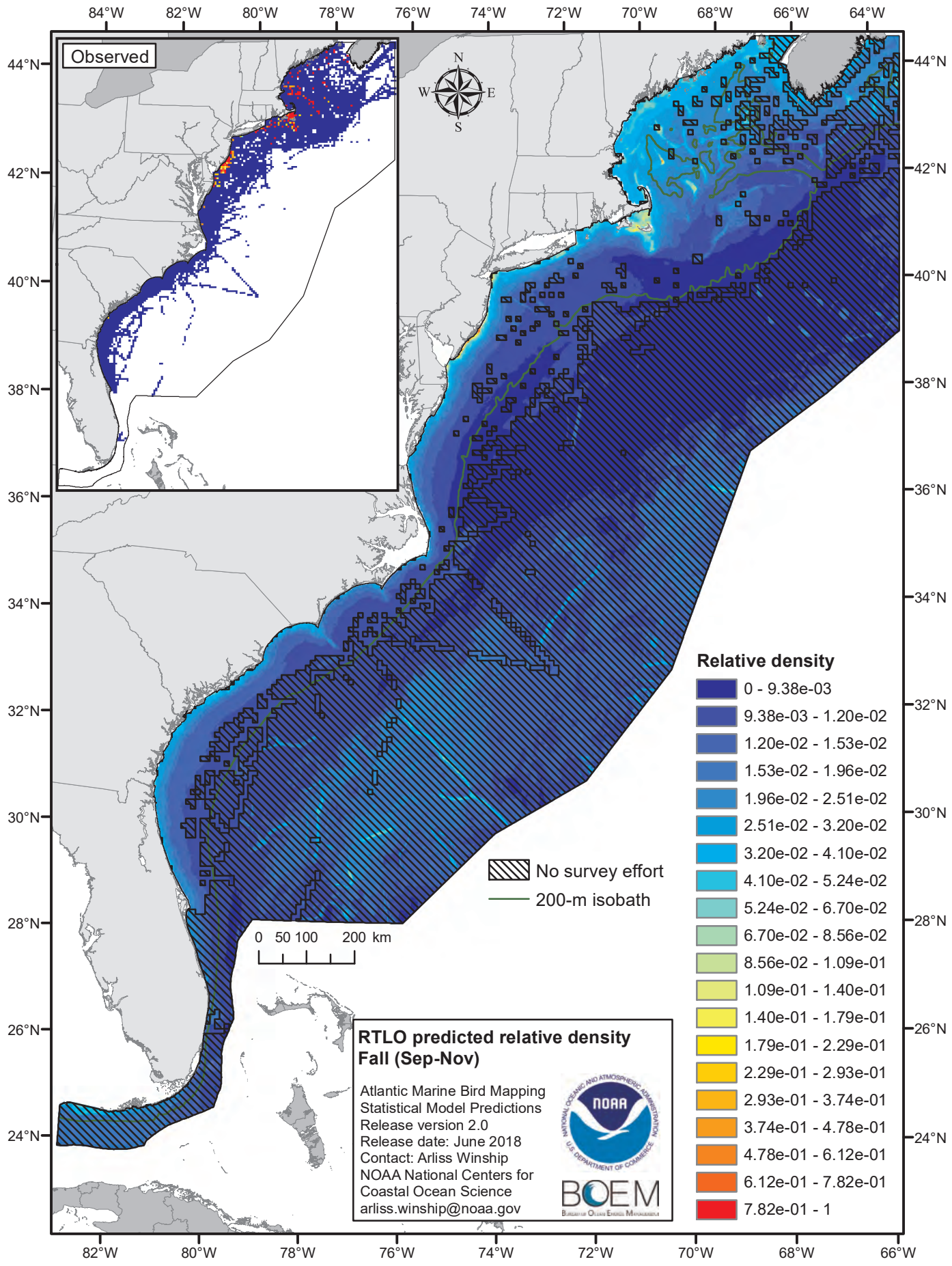
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 9.38e-03
9.38e-03 - 1.20e-02
1.20e-02 - 1.53e-02
1.53e-02 - 1.96e-02
1.96e-02 - 2.51e-02
2.51e-02 - 3.20e-02
3.20e-02 - 4.10e-02
4.10e-02 - 5.24e-02
5.24e-02 - 6.70e-02
6.70e-02 - 8.56e-02
8.56e-02 - 1.09e-01
1.09e-01 - 1.40e-01
1.40e-01 - 1.79e-01
1.79e-01 - 2.29e-01
2.29e-01 - 2.93e-01
2.93e-01 - 3.74e-01
3.74e-01 - 4.78e-01
4.78e-01 - 6.12e-01
6.12e-01 - 7.82e-01
7.82e-01 - 1
RTLO predicted relative density
Fall (Sep-Nov)
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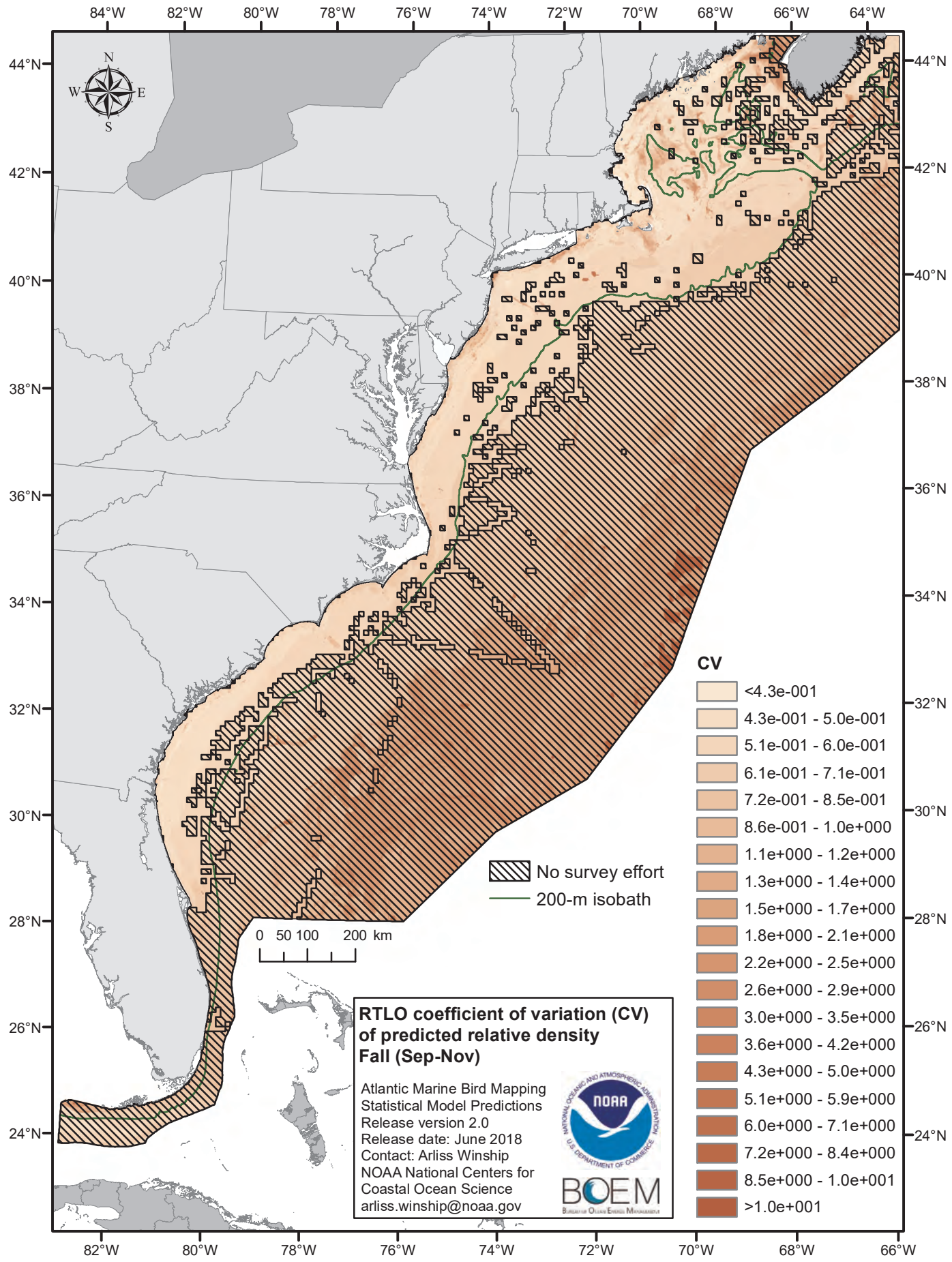
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.3e-001
4.3e-001 - 5.0e-001
5.1e-001 - 6.0e-001
6.1e-001 - 7.1e-001
7.2e-001 - 8.5e-001
8.6e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.2e+000
4.3e+000 - 5.0e+000
5.1e+000 - 5.9e+000
6.0e+000 - 7.1e+000
7.2e+000 - 8.4e+000
8.5e+000 - 1.0e+001
>1.0e+001
RTLO coefficient of variation (CV) of predicted relative density
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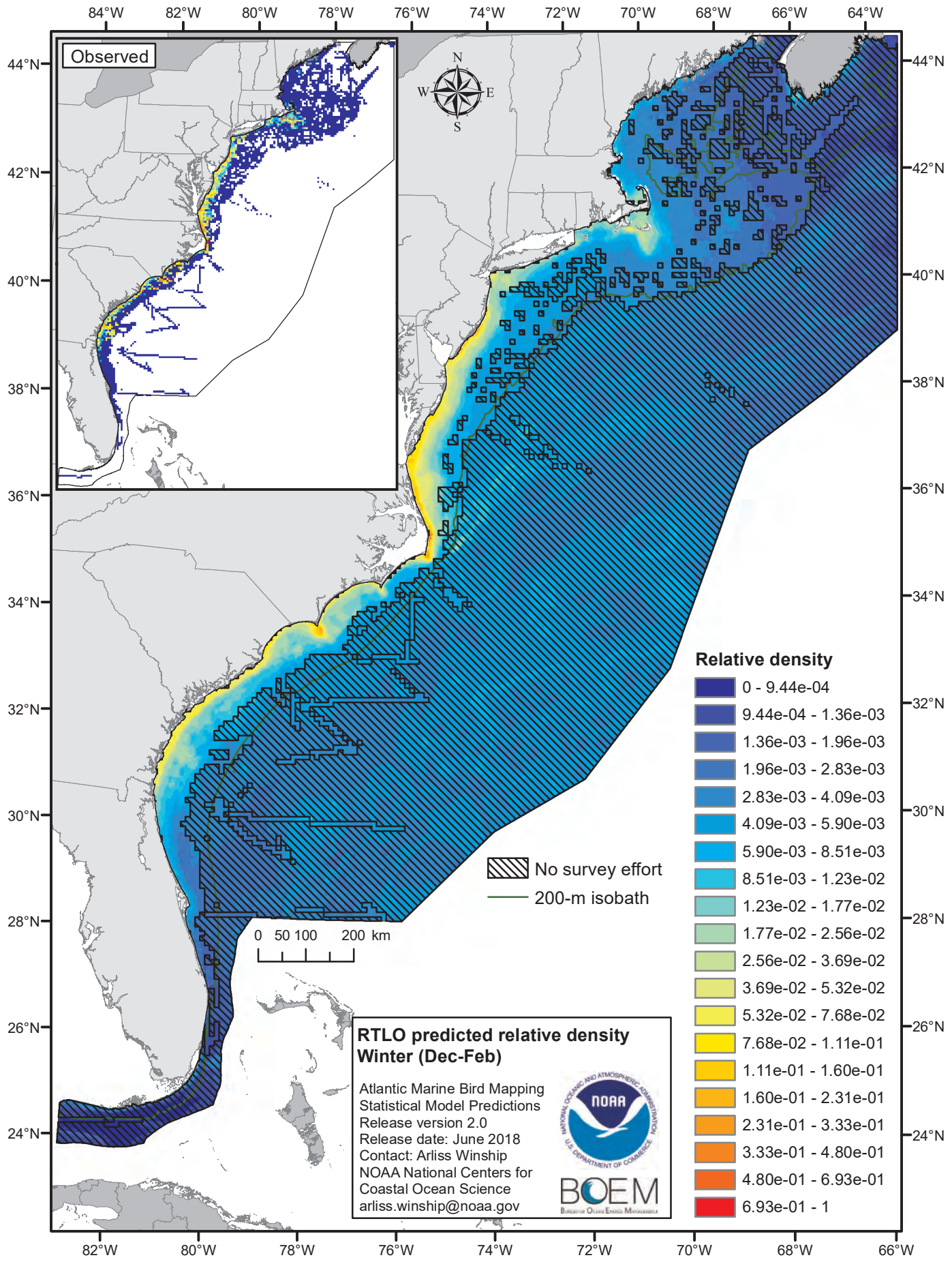
Observed
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 9.44e-04
9.44e-04 - 1.36e-03
1.36e-03 - 1.96e-03
1.96e-03 - 2.83e-03
2.83e-03 - 4.09e-03
4.09e-03 - 5.90e-03
5.90e-03 - 8.51e-03
8.51e-03 - 1.23e-02
1.23e-02 - 1.77e-02
1.77e-02 - 2.56e-02
2.56e-02 - 3.69e-02
3.69e-02 - 5.32e-02
5.32e-02 - 7.68e-02
7.68e-02 - 1.11e-01
1.11e-01 - 1.60e-01
1.60e-01 - 2.31e-01
2.31e-01 - 3.33e-01
3.33e-01 - 4.80e-01
4.80e-01 - 6.93e-01
6.93e-01 - 1
RTLO predicted relative density
Winter (Dec-Feb)
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Statistical Model Predictions
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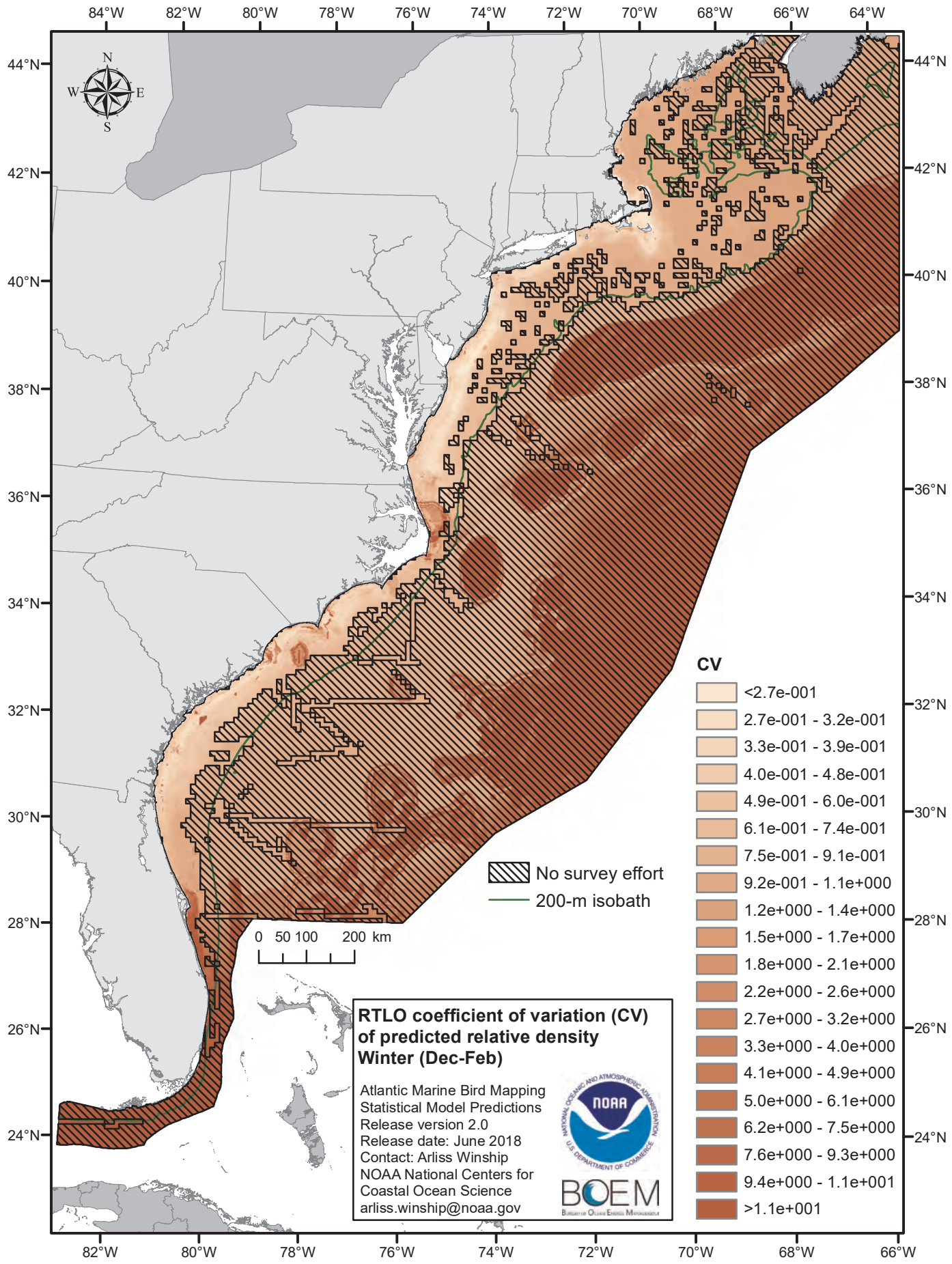
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.7e-001
2.7e-001 - 3.2e-001
3.3e-001 - 3.9e-001
4.0e-001 - 4.8e-001
4.9e-001 - 6.0e-001
6.1e-001 - 7.4e-001
7.5e-001 - 9.1e-001
9.2e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.1e+000
6.2e+000 - 7.5e+000
7.6e+000 - 9.3e+000
9.4e+000 - 1.1e+001
>1.1e+001
RTLO coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
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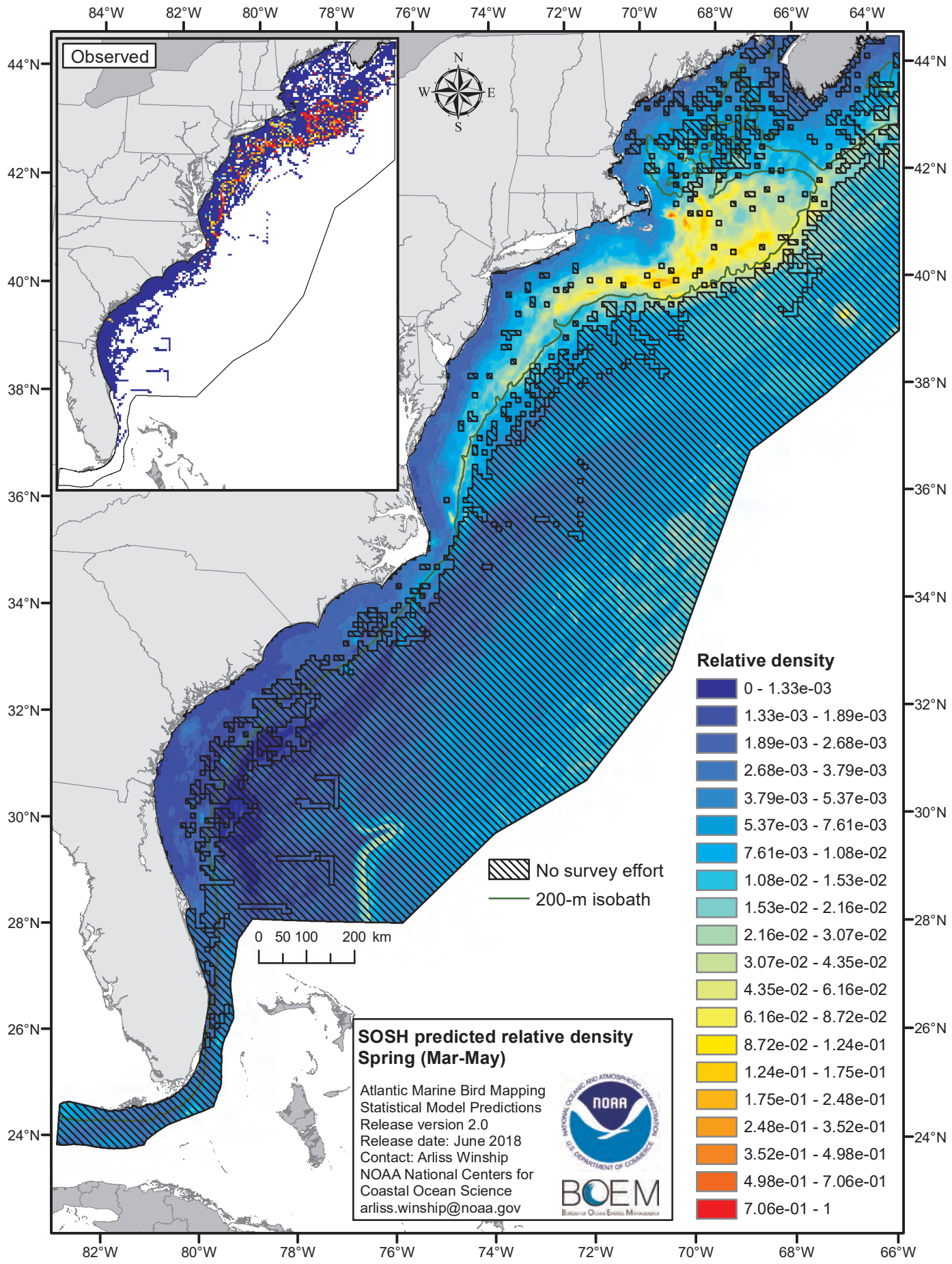
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.33e-03
1.33e-03 - 1.89e-03
1.89e-03 - 2.68e-03
2.68e-03 - 3.79e-03
3.79e-03 - 5.37e-03
5.37e-03 - 7.61e-03
7.61e-03 - 1.08e-02
1.08e-02 - 1.53e-02
1.53e-02 - 2.16e-02
2.16e-02 - 3.07e-02
3.07e-02 - 4.35e-02
4.35e-02 - 6.16e-02
6.16e-02 - 8.72e-02
8.72e-02 - 1.24e-01
1.24e-01 - 1.75e-01
1.75e-01 - 2.48e-01
2.48e-01 - 3.52e-01
3.52e-01 - 4.98e-01
4.98e-01 - 7.06e-01
7.06e-01 - 1
SOSH predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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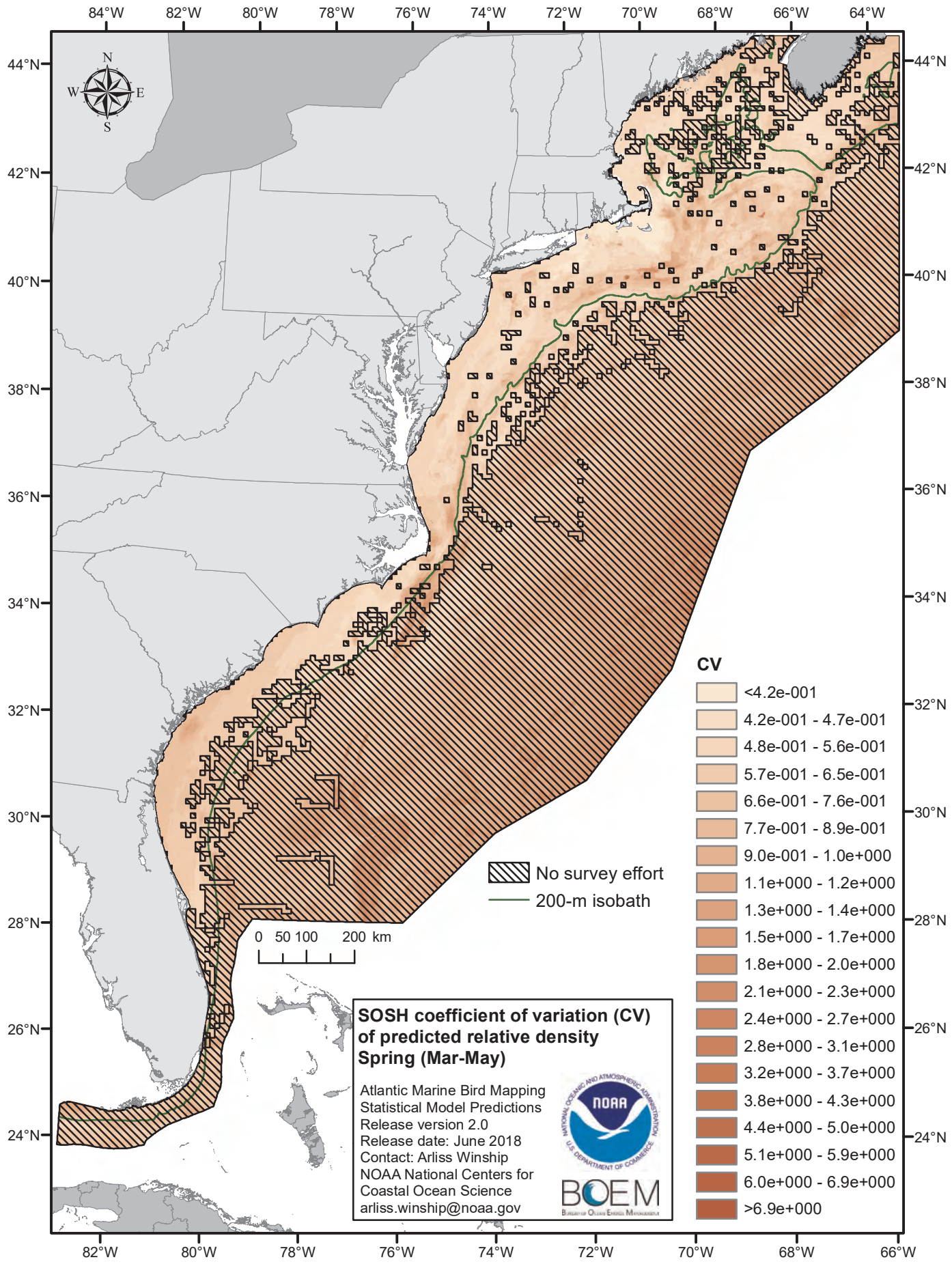
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.2e-001
4.2e-001 - 4.7e-001
4.8e-001 - 5.6e-001
5.7e-001 - 6.5e-001
6.6e-001 - 7.6e-001
7.7e-001 - 8.9e-001
9.0e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.3e+000
4.4e+000 - 5.0e+000
5.1e+000 - 5.9e+000
6.0e+000 - 6.9e+000
>6.9e+000
SOSH coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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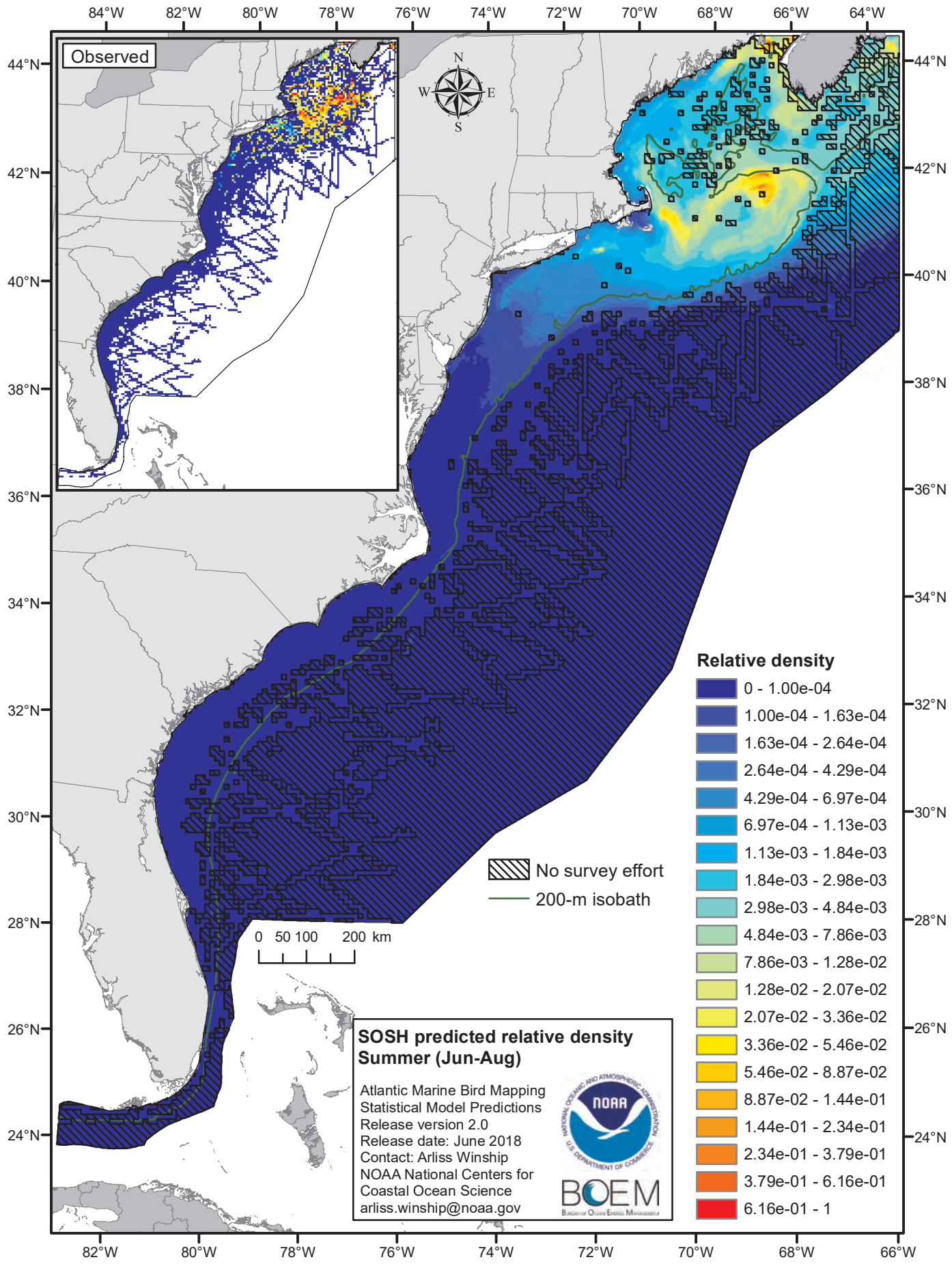
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.00e-04
1.00e-04 - 1.63e-04
1.63e-04 - 2.64e-04
2.64e-04 - 4.29e-04
4.29e-04 - 6.97e-04
6.97e-04 - 1.13e-03
1.13e-03 - 1.84e-03
1.84e-03 - 2.98e-03
2.98e-03 - 4.84e-03
4.84e-03 - 7.86e-03
7.86e-03 - 1.28e-02
1.28e-02 - 2.07e-02
2.07e-02 - 3.36e-02
3.36e-02 - 5.46e-02
5.46e-02 - 8.87e-02
8.87e-02 - 1.44e-01
1.44e-01 - 2.34e-01
2.34e-01 - 3.79e-01
3.79e-01 - 6.16e-01
6.16e-01 - 1
SOSH predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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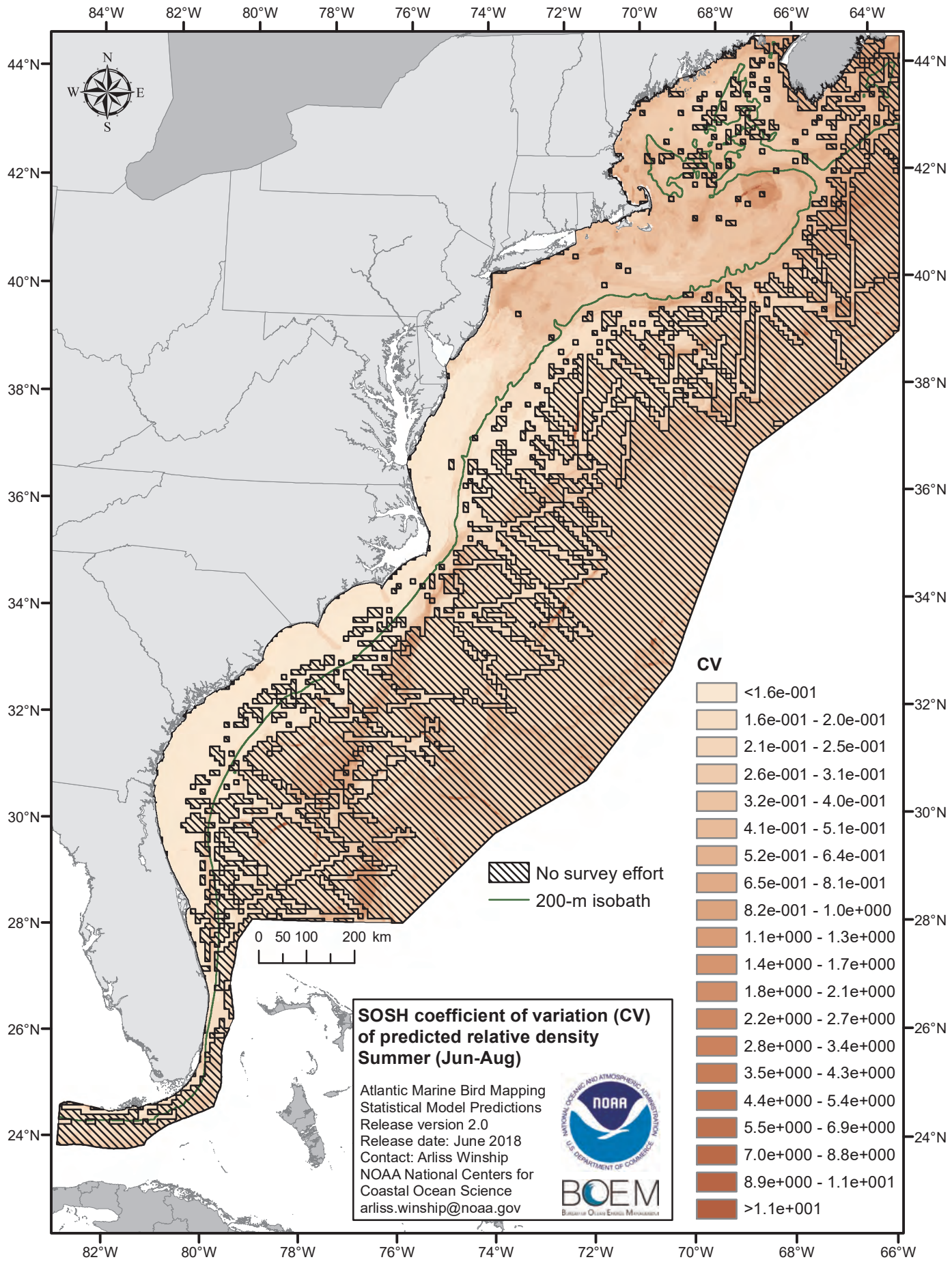
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<1.6e-001
1.6e-001 - 2.0e-001
2.1e-001 - 2.5e-001
2.6e-001 - 3.1e-001
3.2e-001 - 4.0e-001
4.1e-001 - 5.1e-001
5.2e-001 - 6.4e-001
6.5e-001 - 8.1e-001
8.2e-001 - 1.0e+000
1.1e+000 - 1.3e+000
1.4e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.7e+000
2.8e+000 - 3.4e+000
3.5e+000 - 4.3e+000
4.4e+000 - 5.4e+000
5.5e+000 - 6.9e+000
7.0e+000 - 8.8e+000
8.9e+000 - 1.1e+001
>1.1e+001
SOSH coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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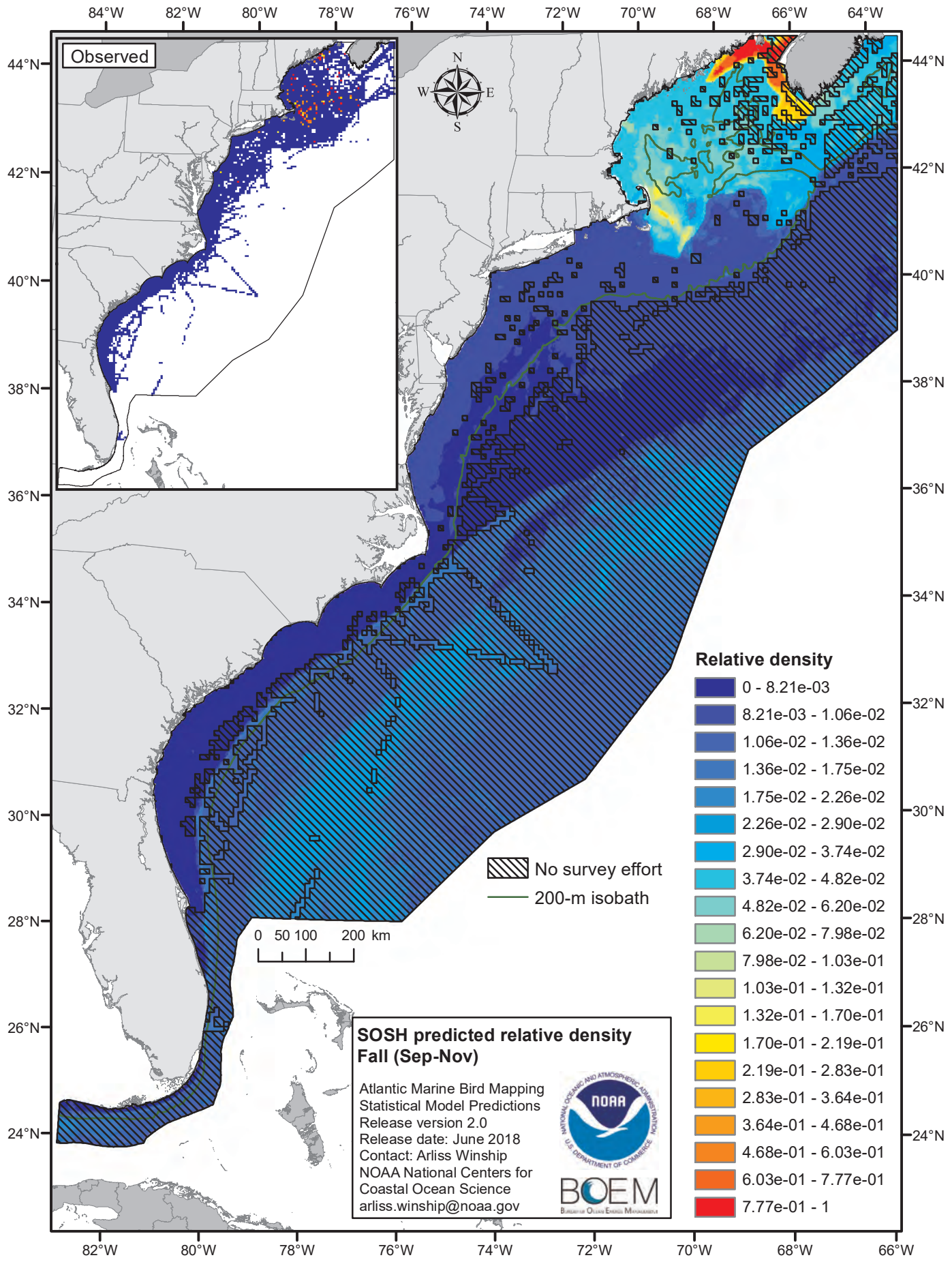
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 8.21e-03
8.21e-03 - 1.06e-02
1.06e-02 - 1.36e-02
1.36e-02 - 1.75e-02
1.75e-02 - 2.26e-02
2.26e-02 - 2.90e-02
2.90e-02 - 3.74e-02
3.74e-02 - 4.82e-02
4.82e-02 - 6.20e-02
6.20e-02 - 7.98e-02
7.98e-02 - 1.03e-01
1.03e-01 - 1.32e-01
1.32e-01 - 1.70e-01
1.70e-01 - 2.19e-01
2.19e-01 - 2.83e-01
2.83e-01 - 3.64e-01
3.64e-01 - 4.68e-01
4.68e-01 - 6.03e-01
6.03e-01 - 7.77e-01
7.77e-01 - 1
SOSH predicted relative density
Fall (Sep-Nov)
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Statistical Model Predictions
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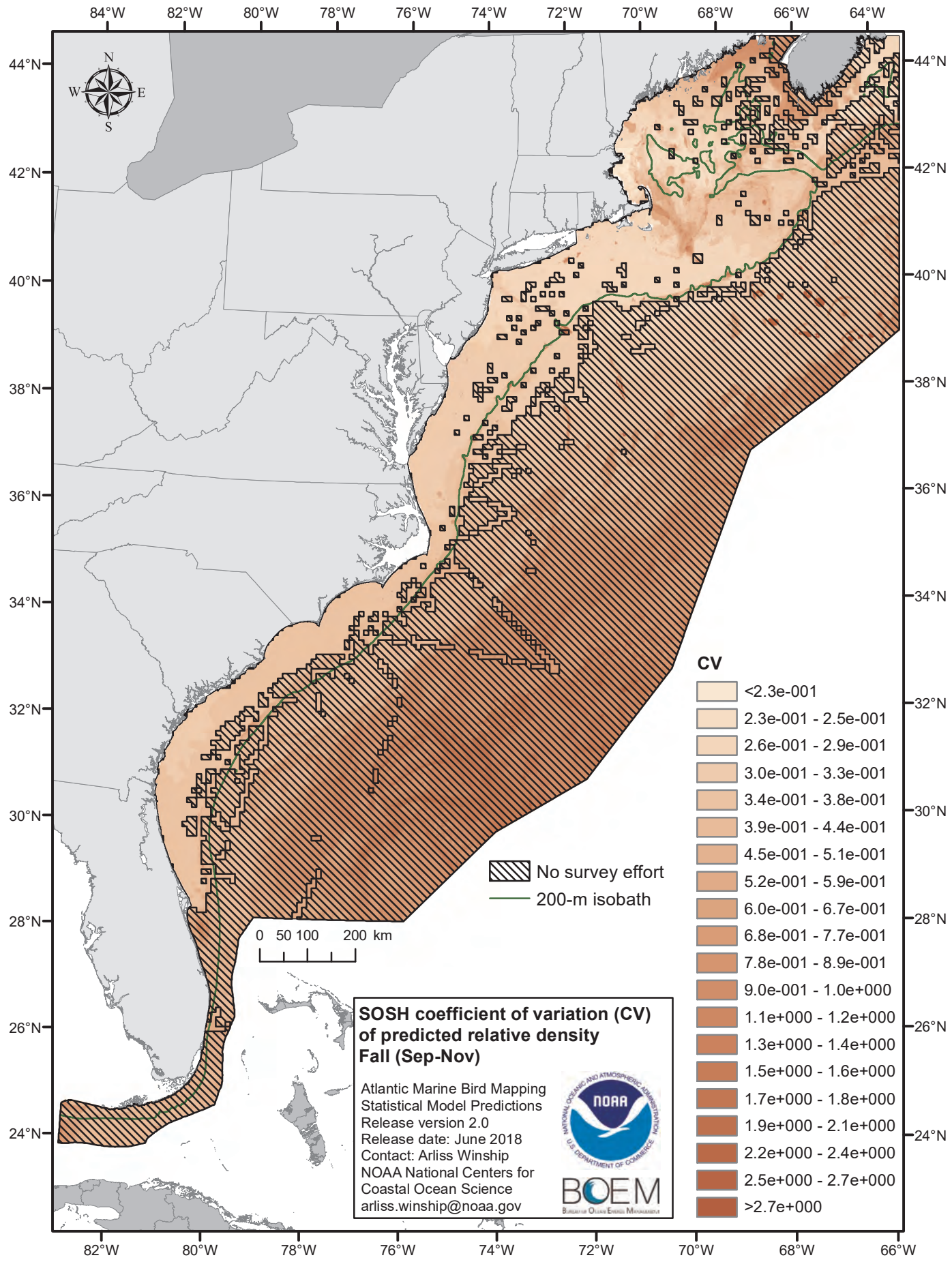
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.3e-001
2.3e-001 - 2.5e-001
2.6e-001 - 2.9e-001
3.0e-001 - 3.3e-001
3.4e-001 - 3.8e-001
3.9e-001 - 4.4e-001
4.5e-001 - 5.1e-001
5.2e-001 - 5.9e-001
6.0e-001 - 6.7e-001
6.8e-001 - 7.7e-001
7.8e-001 - 8.9e-001
9.0e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.4e+000
2.5e+000 - 2.7e+000
>2.7e+000
SOSH coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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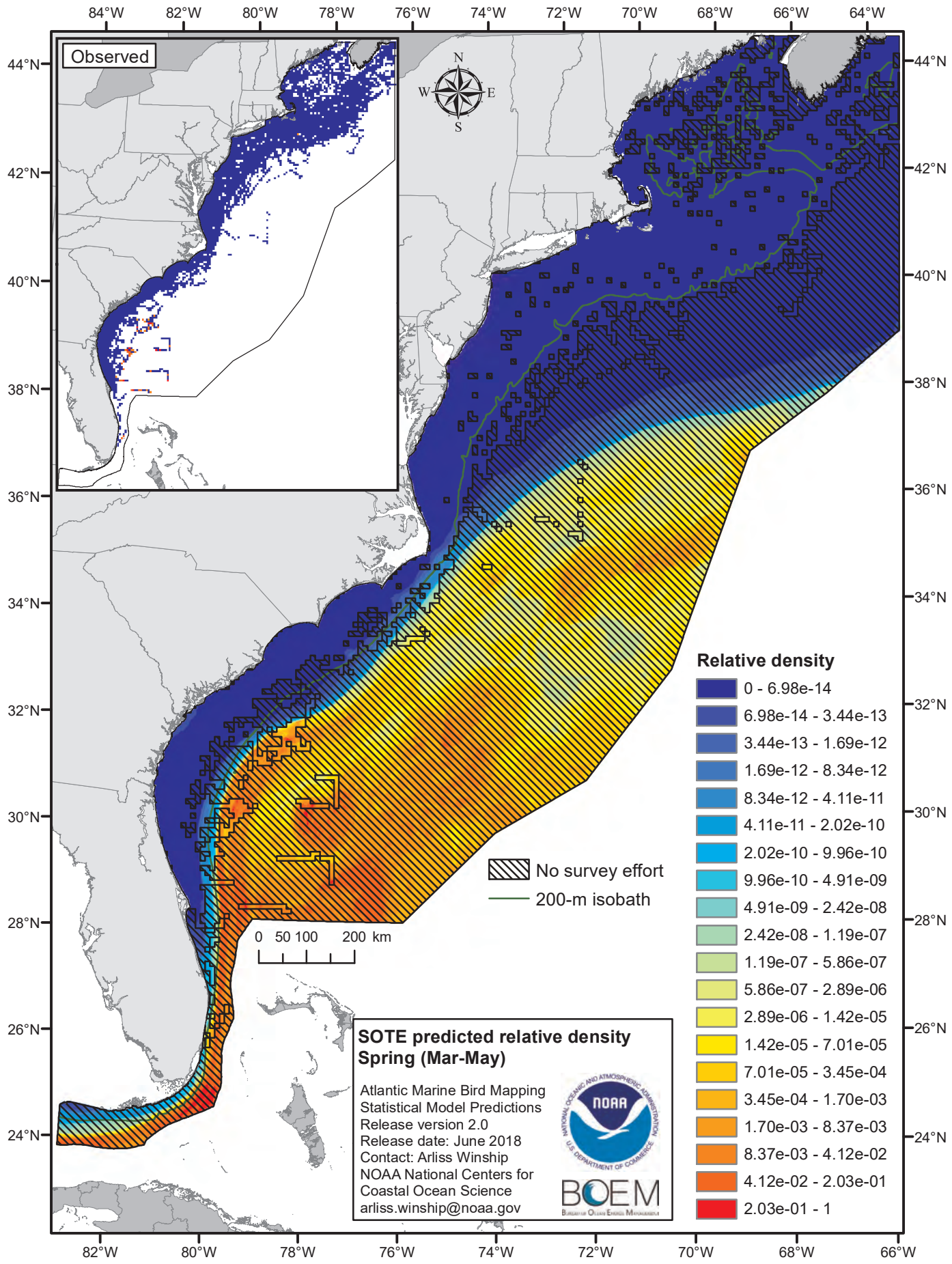
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 6.98e-14
6.98e-14 - 3.44e-13
3.44e-13 - 1.69e-12
1.69e-12 - 8.34e-12
8.34e-12 - 4.11e-11
4.11e-11 - 2.02e-10
2.02e-10 - 9.96e-10
9.96e-10 - 4.91e-09
4.91e-09 - 2.42e-08
2.42e-08 - 1.19e-07
1.19e-07 - 5.86e-07
5.86e-07 - 2.89e-06
2.89e-06 - 1.42e-05
1.42e-05 - 7.01e-05
7.01e-05 - 3.45e-04
3.45e-04 - 1.70e-03
1.70e-03 - 8.37e-03
8.37e-03 - 4.12e-02
4.12e-02 - 2.03e-01
2.03e-01 - 1
SOTE predicted relative density
Spring (Mar-May)
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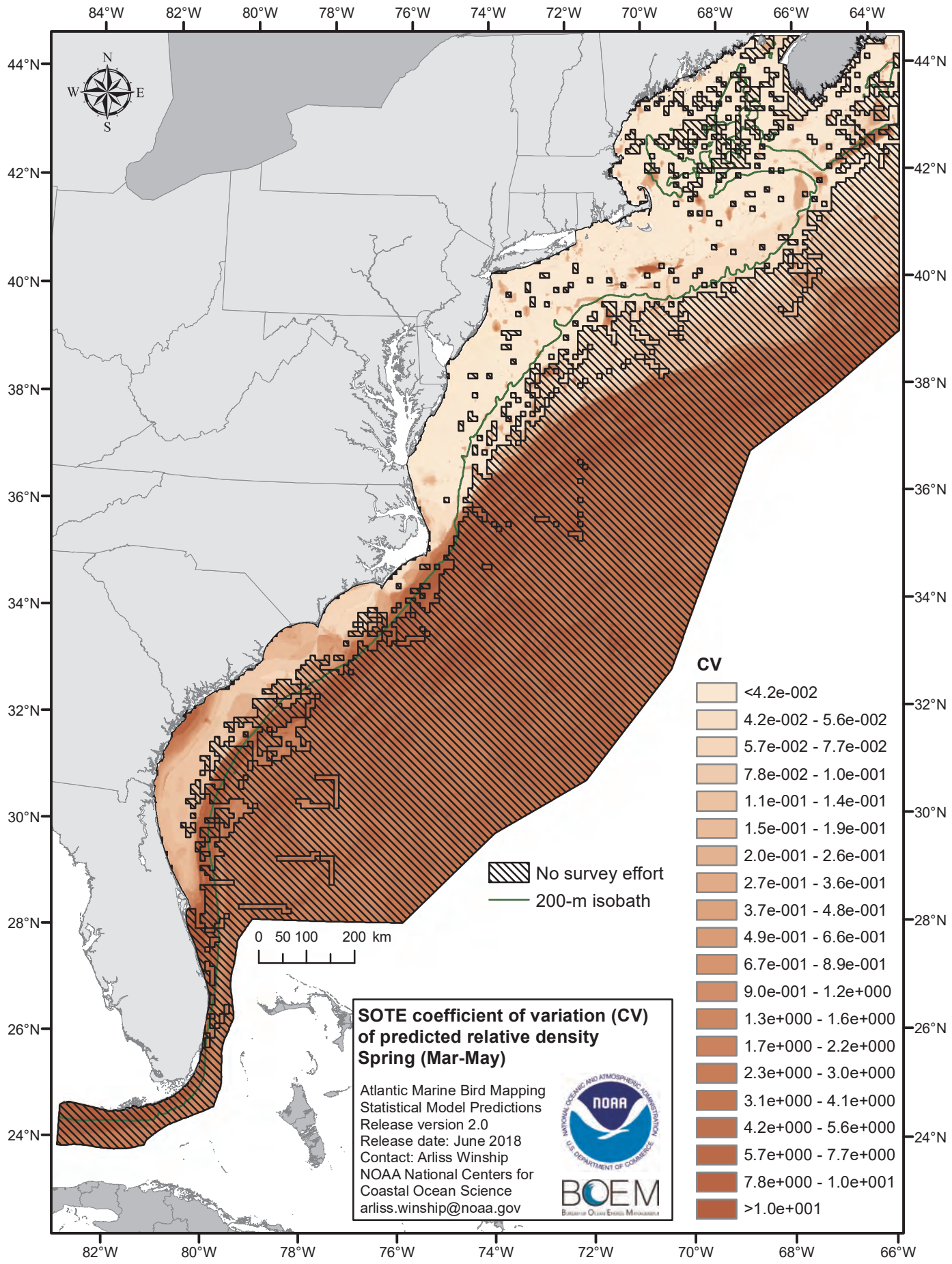
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.2e-002
4.2e-002 - 5.6e-002
5.7e-002 - 7.7e-002
7.8e-002 - 1.0e-001
1.1e-001 - 1.4e-001
1.5e-001 - 1.9e-001
2.0e-001 - 2.6e-001
2.7e-001 - 3.6e-001
3.7e-001 - 4.8e-001
4.9e-001 - 6.6e-001
6.7e-001 - 8.9e-001
9.0e-001 - 1.2e+000
1.3e+000 - 1.6e+000
1.7e+000 - 2.2e+000
2.3e+000 - 3.0e+000
3.1e+000 - 4.1e+000
4.2e+000 - 5.6e+000
5.7e+000 - 7.7e+000
7.8e+000 - 1.0e+001
>1.0e+001
SOTE coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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Contact: Arliss Winship
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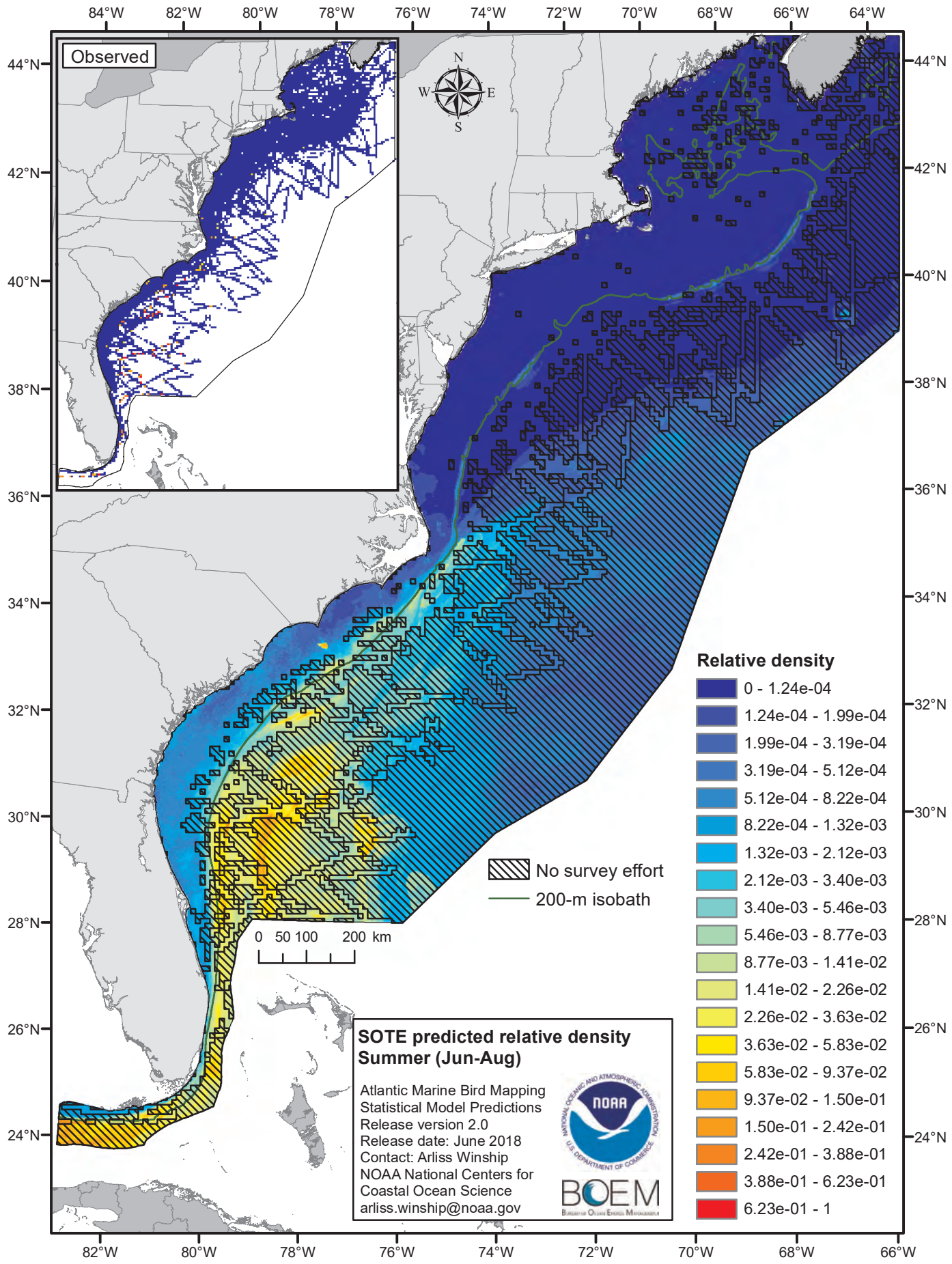
BOEM


Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.24e-04
1.24e-04 - 1.99e-04
1.99e-04 - 3.19e-04
3.19e-04 - 5.12e-04
5.12e-04 - 8.22e-04
8.22e-04 - 1.32e-03
1.32e-03 - 2.12e-03
2.12e-03 - 3.40e-03
3.40e-03 - 5.46e-03
5.46e-03 - 8.77e-03
8.77e-03 - 1.41e-02
1.41e-02 - 2.26e-02
2.26e-02 - 3.63e-02
3.63e-02 - 5.83e-02
5.83e-02 - 9.37e-02
9.37e-02 - 1.50e-01
1.50e-01 - 2.42e-01
2.42e-01 - 3.88e-01
3.88e-01 - 6.23e-01
6.23e-01 - 1
SOTE predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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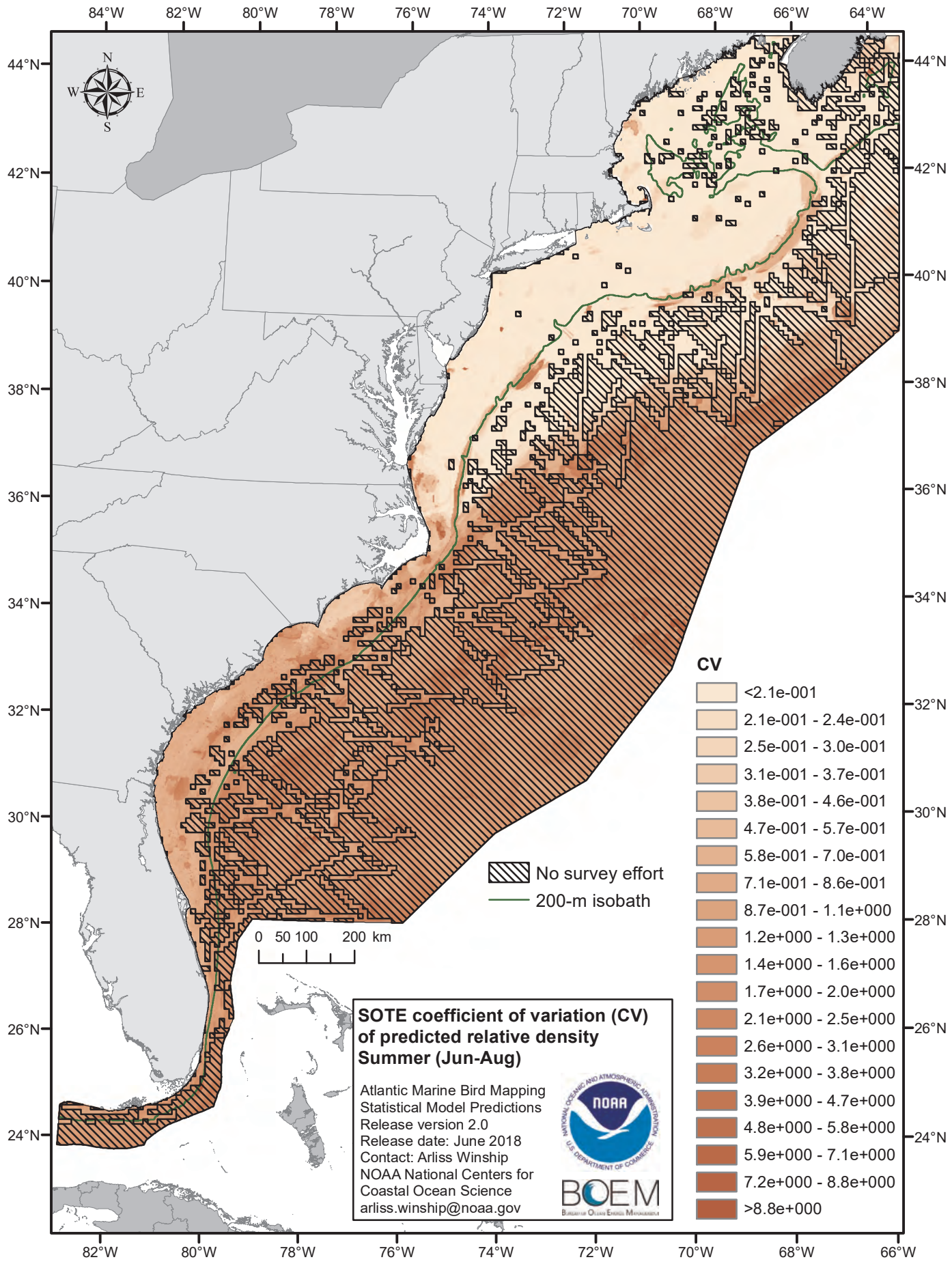
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.1e-001
2.1e-001 - 2.4e-001
2.5e-001 - 3.0e-001
3.1e-001 - 3.7e-001
3.8e-001 - 4.6e-001
4.7e-001 - 5.7e-001
5.8e-001 - 7.0e-001
7.1e-001 - 8.6e-001
8.7e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.1e+000
3.2e+000 - 3.8e+000
3.9e+000 - 4.7e+000
4.8e+000 - 5.8e+000
5.9e+000 - 7.1e+000
7.2e+000 - 8.8e+000
>8.8e+000
SOTE coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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Statistical Model Predictions
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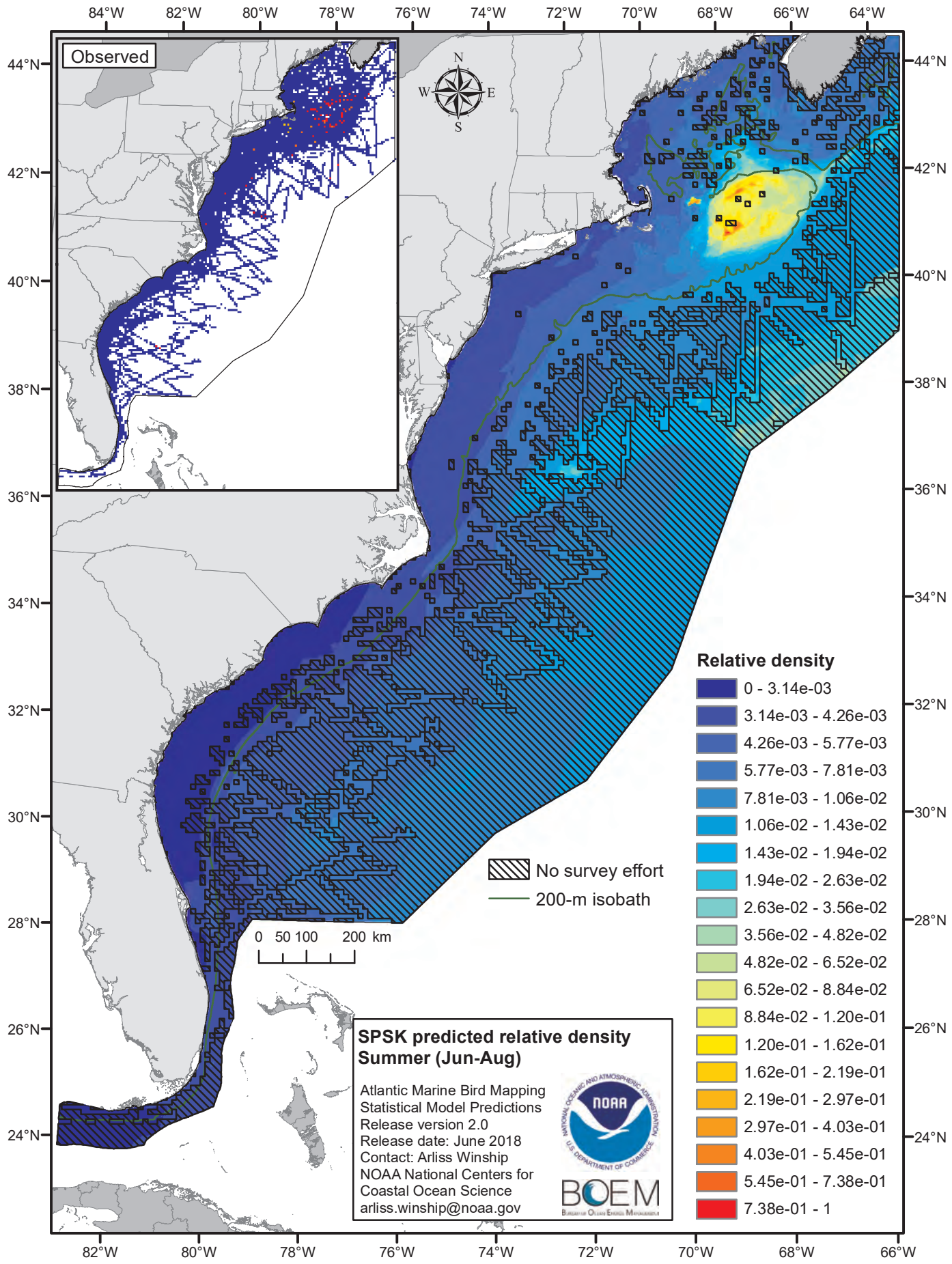
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.14e-03
3.14e-03 - 4.26e-03
4.26e-03 - 5.77e-03
5.77e-03 - 7.81e-03
7.81e-03 - 1.06e-02
1.06e-02 - 1.43e-02
1.43e-02 - 1.94e-02
1.94e-02 - 2.63e-02
2.63e-02 - 3.56e-02
3.56e-02 - 4.82e-02
4.82e-02 - 6.52e-02
6.52e-02 - 8.84e-02
8.84e-02 - 1.20e-01
1.20e-01 - 1.62e-01
1.62e-01 - 2.19e-01
2.19e-01 - 2.97e-01
2.97e-01 - 4.03e-01
4.03e-01 - 5.45e-01
5.45e-01 - 7.38e-01
7.38e-01 - 1
SPSK predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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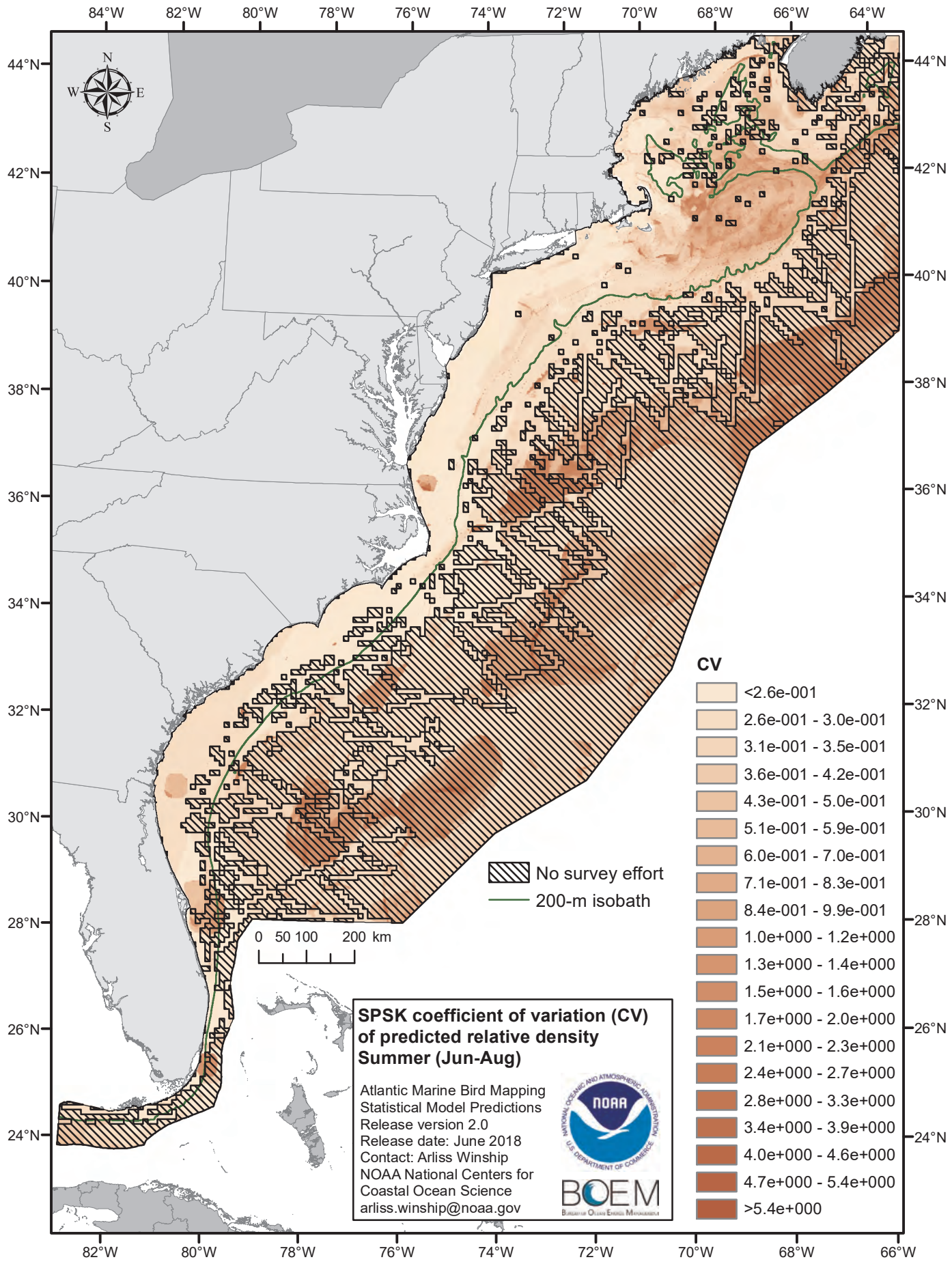
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.6e-001
2.6e-001 - 3.0e-001
3.1e-001 - 3.5e-001
3.6e-001 - 4.2e-001
4.3e-001 - 5.0e-001
5.1e-001 - 5.9e-001
6.0e-001 - 7.0e-001
7.1e-001 - 8.3e-001
8.4e-001 - 9.9e-001
1.0e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.3e+000
3.4e+000 - 3.9e+000
4.0e+000 - 4.6e+000
4.7e+000 - 5.4e+000
>5.4e+000
SPSK coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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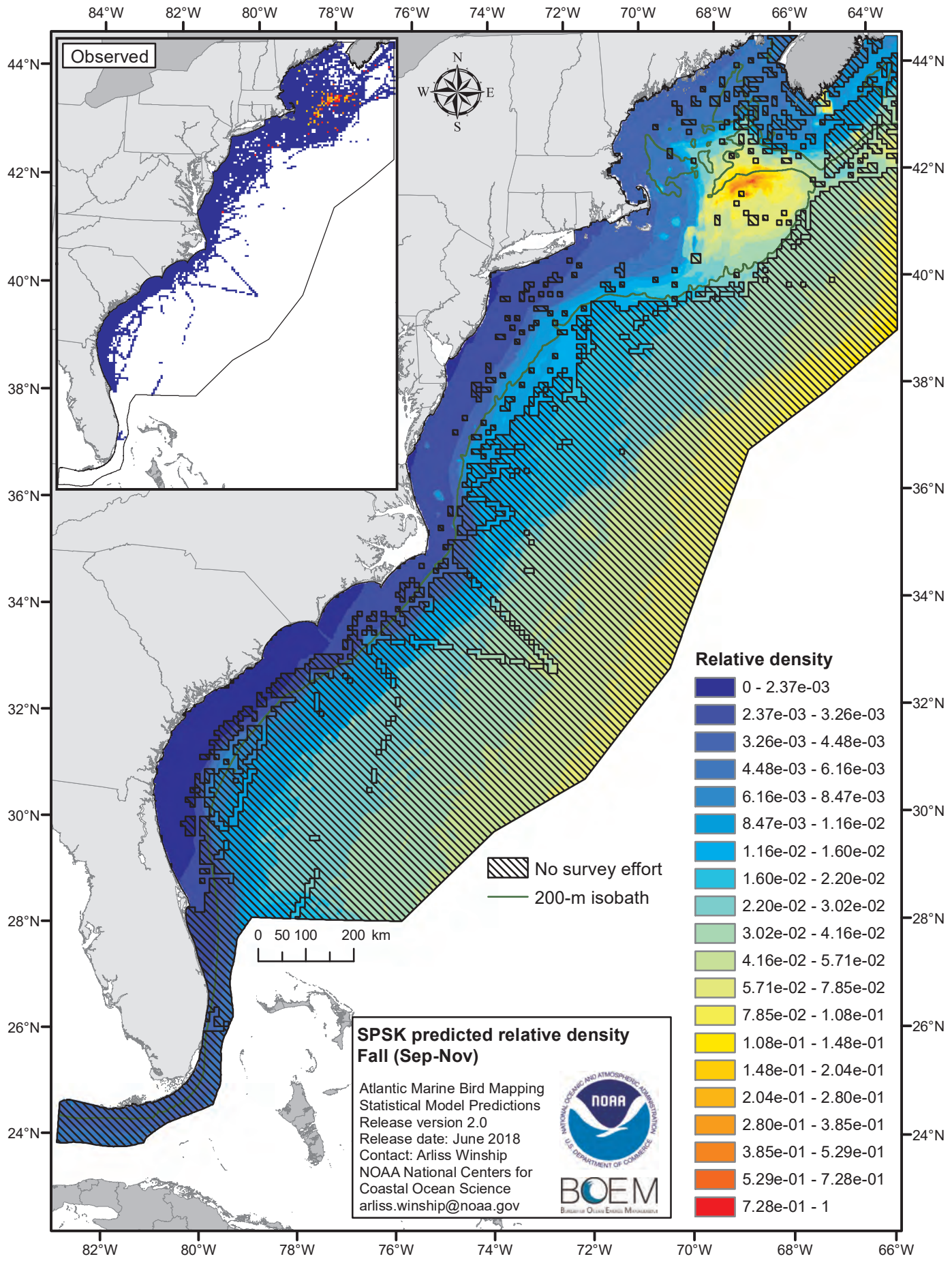
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.37e-03
2.37e-03 - 3.26e-03
3.26e-03 - 4.48e-03
4.48e-03 - 6.16e-03
6.16e-03 - 8.47e-03
8.47e-03 - 1.16e-02
1.16e-02 - 1.60e-02
1.60e-02 - 2.20e-02
2.20e-02 - 3.02e-02
3.02e-02 - 4.16e-02
4.16e-02 - 5.71e-02
5.71e-02 - 7.85e-02
7.85e-02 - 1.08e-01
1.08e-01 - 1.48e-01
1.48e-01 - 2.04e-01
2.04e-01 - 2.80e-01
2.80e-01 - 3.85e-01
3.85e-01 - 5.29e-01
5.29e-01 - 7.28e-01
7.28e-01 - 1
SPSK predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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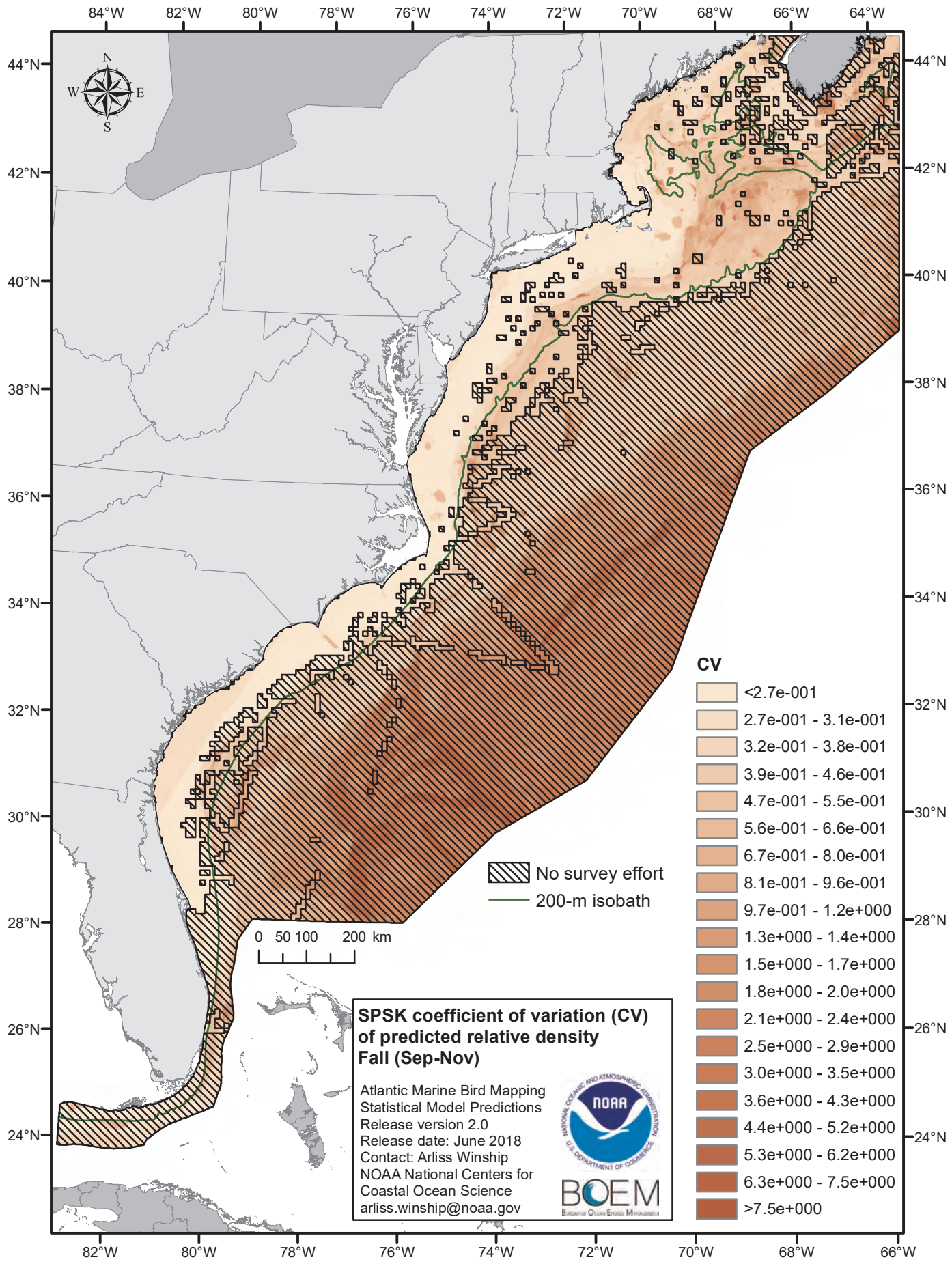
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<2.7e-001
2.7e-001 - 3.1e-001
3.2e-001 - 3.8e-001
3.9e-001 - 4.6e-001
4.7e-001 - 5.5e-001
5.6e-001 - 6.6e-001
6.7e-001 - 8.0e-001
8.1e-001 - 9.6e-001
9.7e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.9e+000
3.0e+000 - 3.5e+000
3.6e+000 - 4.3e+000
4.4e+000 - 5.2e+000
5.3e+000 - 6.2e+000
6.3e+000 - 7.5e+000
>7.5e+000
SPSK coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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Statistical Model Predictions
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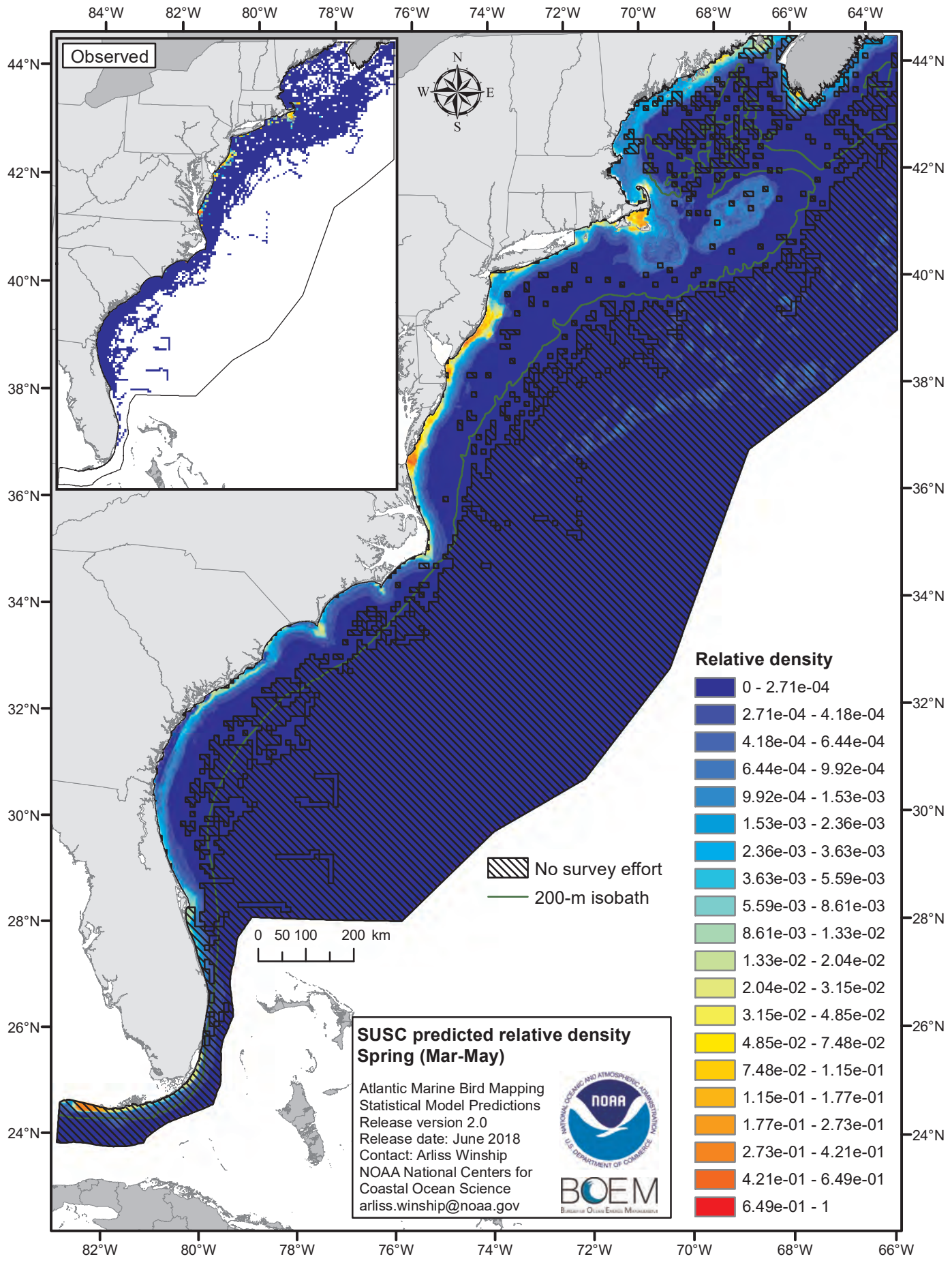
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.71e-04
2.71e-04 - 4.18e-04
4.18e-04 - 6.44e-04
6.44e-04 - 9.92e-04
9.92e-04 - 1.53e-03
1.53e-03 - 2.36e-03
2.36e-03 - 3.63e-03
3.63e-03 - 5.59e-03
5.59e-03 - 8.61e-03
8.61e-03 - 1.33e-02
1.33e-02 - 2.04e-02
2.04e-02 - 3.15e-02
3.15e-02 - 4.85e-02
4.85e-02 - 7.48e-02
7.48e-02 - 1.15e-01
1.15e-01 - 1.77e-01
1.77e-01 - 2.73e-01
2.73e-01 - 4.21e-01
4.21e-01 - 6.49e-01
6.49e-01 - 1
SUSC predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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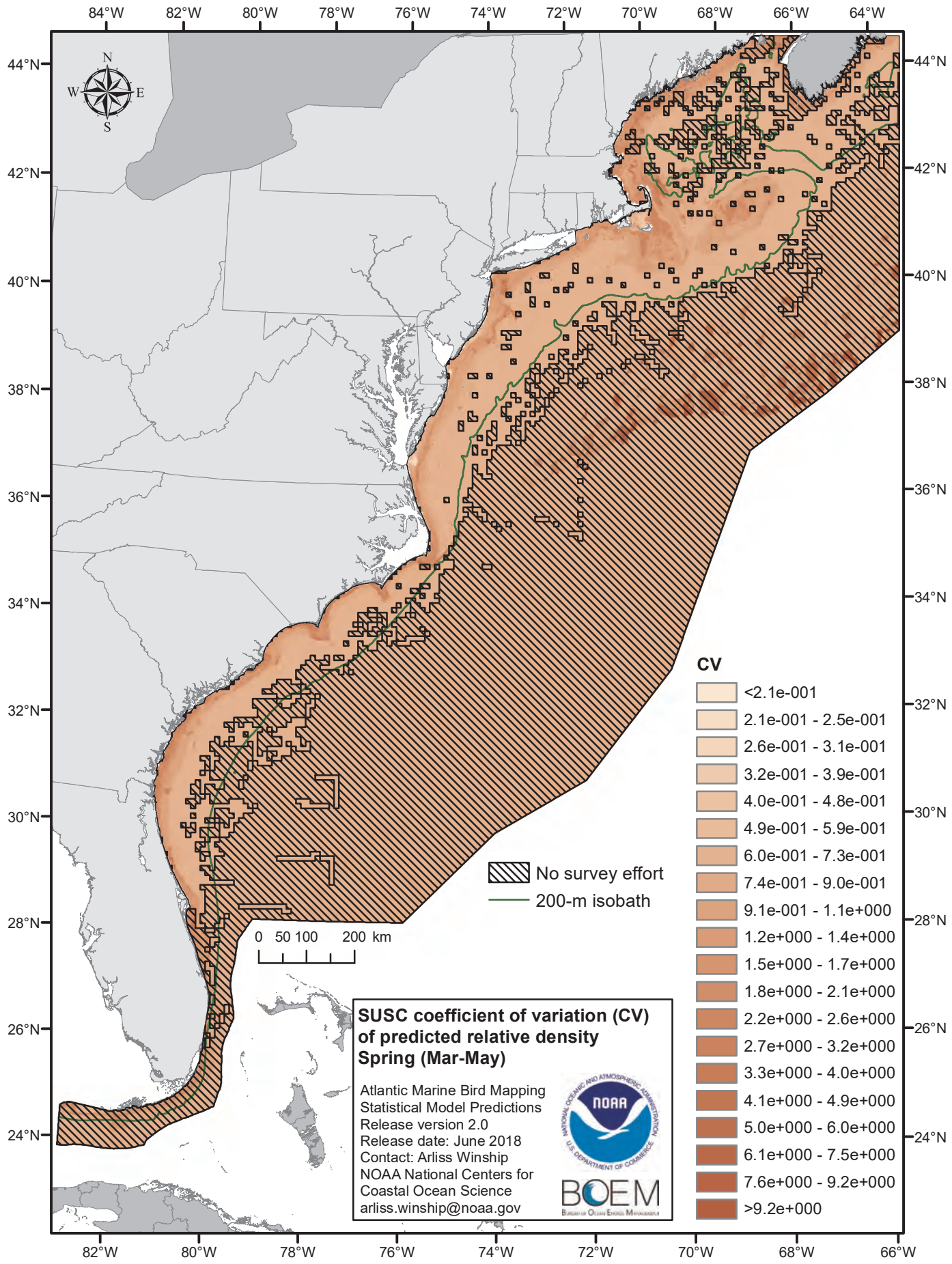
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<2.1e-001
2.1e-001 - 2.5e-001
2.6e-001 - 3.1e-001
3.2e-001 - 3.9e-001
4.0e-001 - 4.8e-001
4.9e-001 - 5.9e-001
6.0e-001 - 7.3e-001
7.4e-001 - 9.0e-001
9.1e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 4.0e+000
4.1e+000 - 4.9e+000
5.0e+000 - 6.0e+000
6.1e+000 - 7.5e+000
7.6e+000 - 9.2e+000
>9.2e+000
SUSC coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
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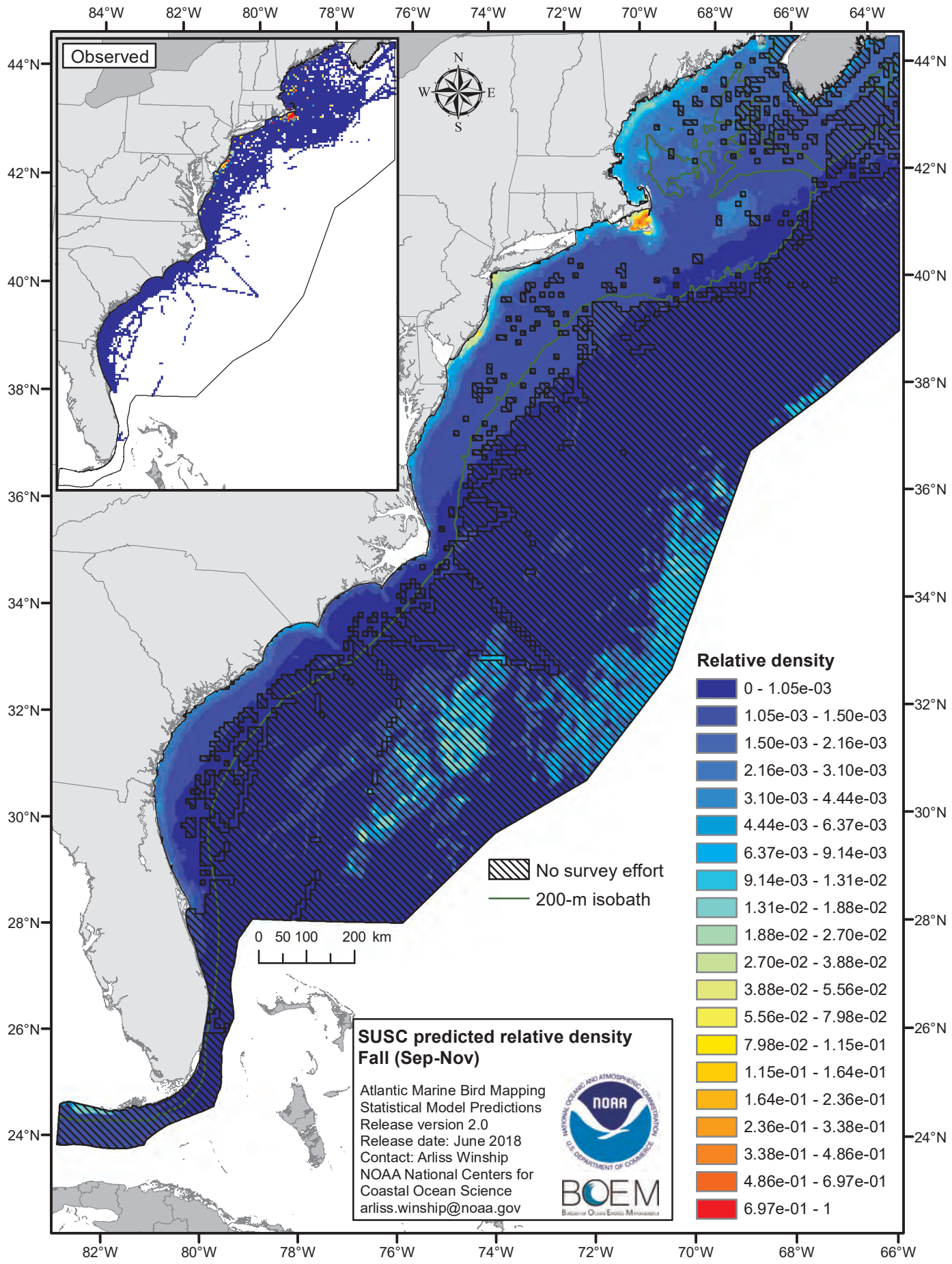
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
Relative density
0 - 1.05e-03
1.05e-03 - 1.50e-03
1.50e-03 - 2.16e-03
2.16e-03 - 3.10e-03
3.10e-03 - 4.44e-03
4.44e-03 - 6.37e-03
6.37e-03 - 9.14e-03
9.14e-03 - 1.31e-02
1.31e-02 - 1.88e-02
1.88e-02 - 2.70e-02
2.70e-02 - 3.88e-02
3.88e-02 - 5.56e-02
5.56e-02 - 7.98e-02
7.98e-02 - 1.15e-01
1.15e-01 - 1.64e-01
1.64e-01 - 2.36e-01
2.36e-01 - 3.38e-01
3.38e-01 - 4.86e-01
4.86e-01 - 6.97e-01
6.97e-01 - 1
No survey effort
200-m isobath
0 50 100 200 km
SUSC predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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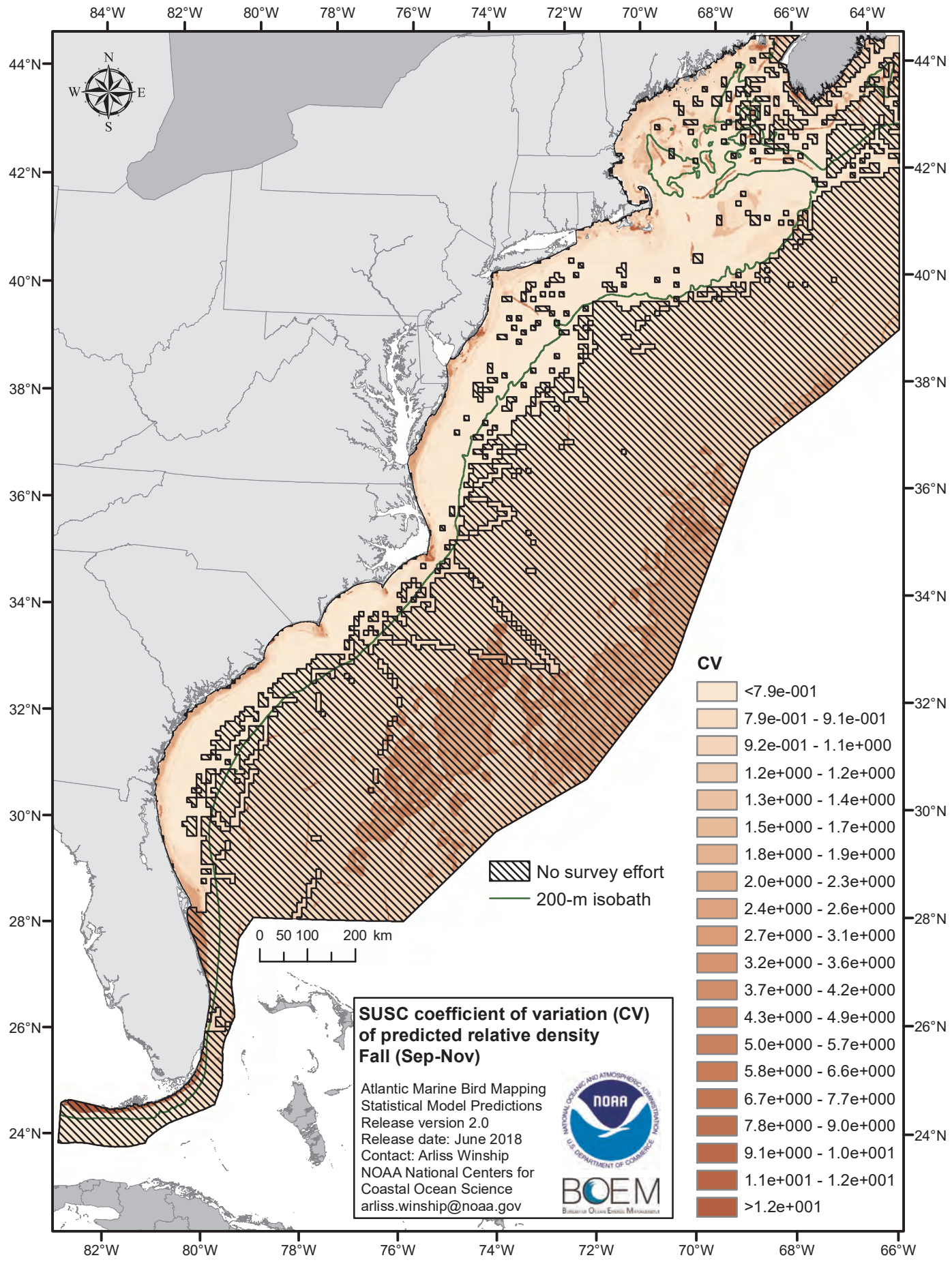
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<7.9e-001
7.9e-001 - 9.1e-001
9.2e-001 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.6e+000
2.7e+000 - 3.1e+000
3.2e+000 - 3.6e+000
3.7e+000 - 4.2e+000
4.3e+000 - 4.9e+000
5.0e+000 - 5.7e+000
5.8e+000 - 6.6e+000
6.7e+000 - 7.7e+000
7.8e+000 - 9.0e+000
9.1e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
SUSC coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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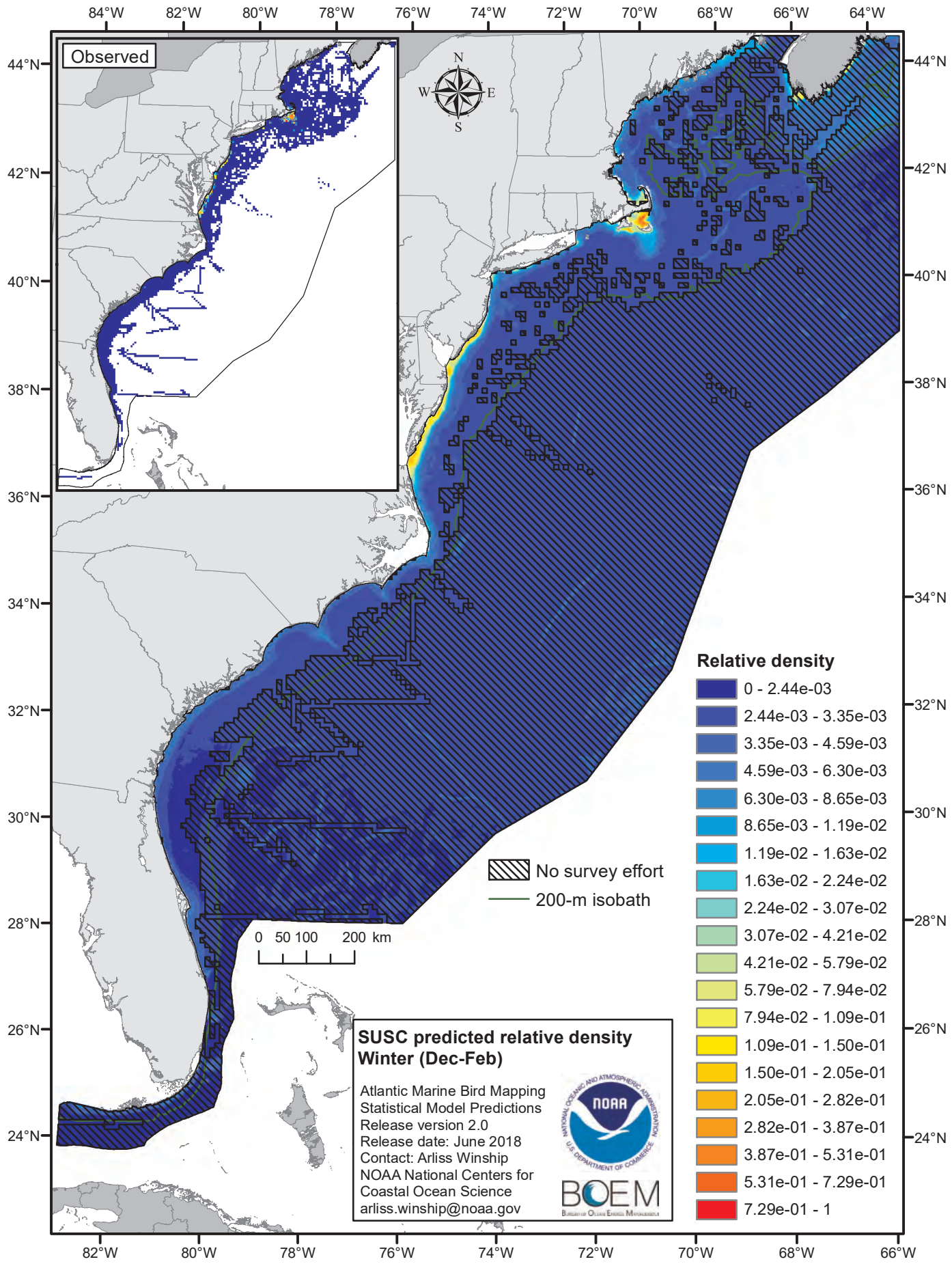
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 2.44e-03
2.44e-03 - 3.35e-03
3.35e-03 - 4.59e-03
4.59e-03 - 6.30e-03
6.30e-03 - 8.65e-03
8.65e-03 - 1.19e-02
1.19e-02 - 1.63e-02
1.63e-02 - 2.24e-02
2.24e-02 - 3.07e-02
3.07e-02 - 4.21e-02
4.21e-02 - 5.79e-02
5.79e-02 - 7.94e-02
7.94e-02 - 1.09e-01
1.09e-01 - 1.50e-01
1.50e-01 - 2.05e-01
2.05e-01 - 2.82e-01
2.82e-01 - 3.87e-01
3.87e-01 - 5.31e-01
5.31e-01 - 7.29e-01
7.29e-01 - 1
SUSC predicted relative density
Winter (Dec-Feb)
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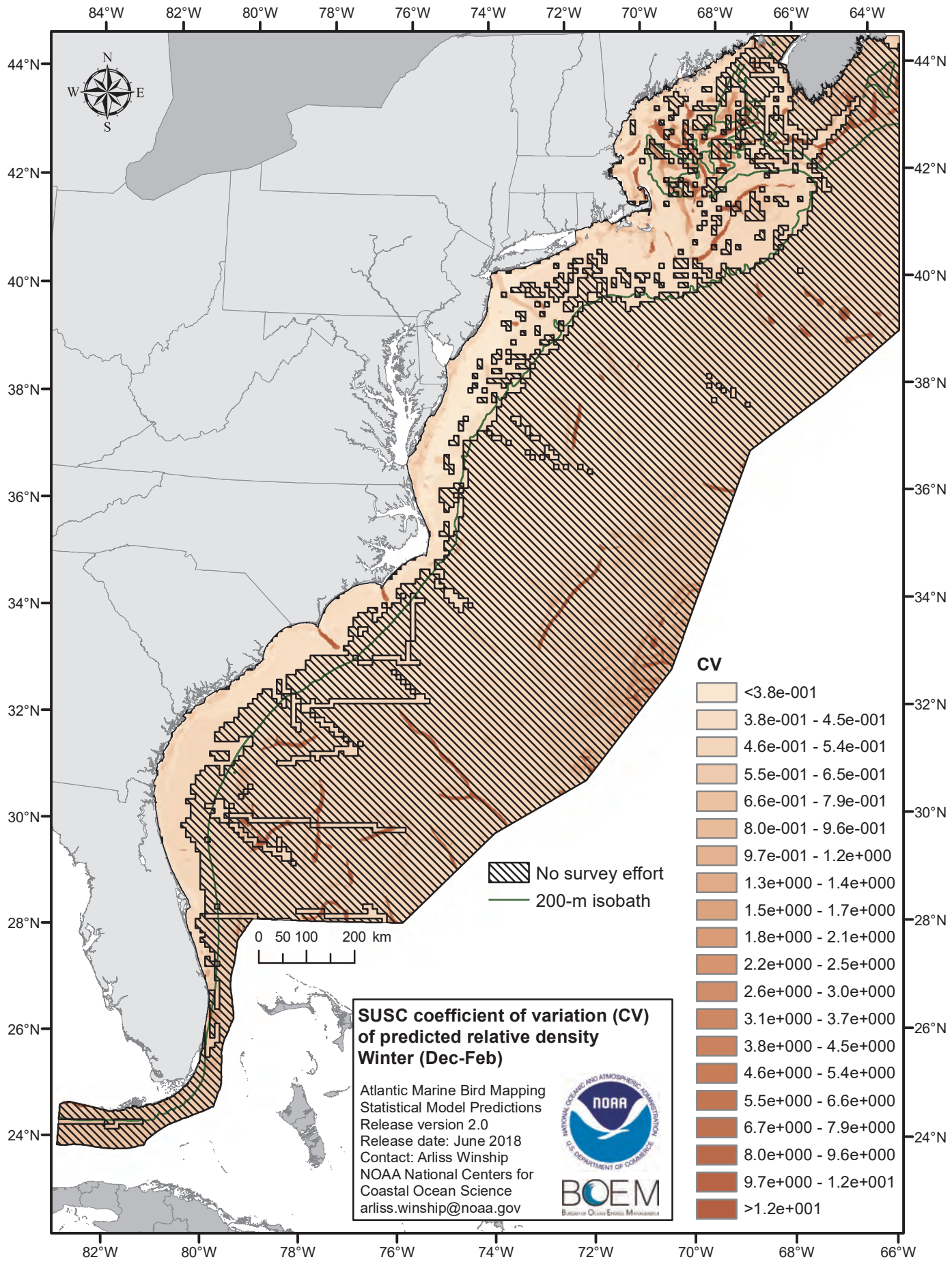
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.8e-001
3.8e-001 - 4.5e-001
4.6e-001 - 5.4e-001
5.5e-001 - 6.5e-001
6.6e-001 - 7.9e-001
8.0e-001 - 9.6e-001
9.7e-001 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.4e+000
5.5e+000 - 6.6e+000
6.7e+000 - 7.9e+000
8.0e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
SUSC coefficient of variation (CV) of predicted relative density
Winter (Dec-Feb)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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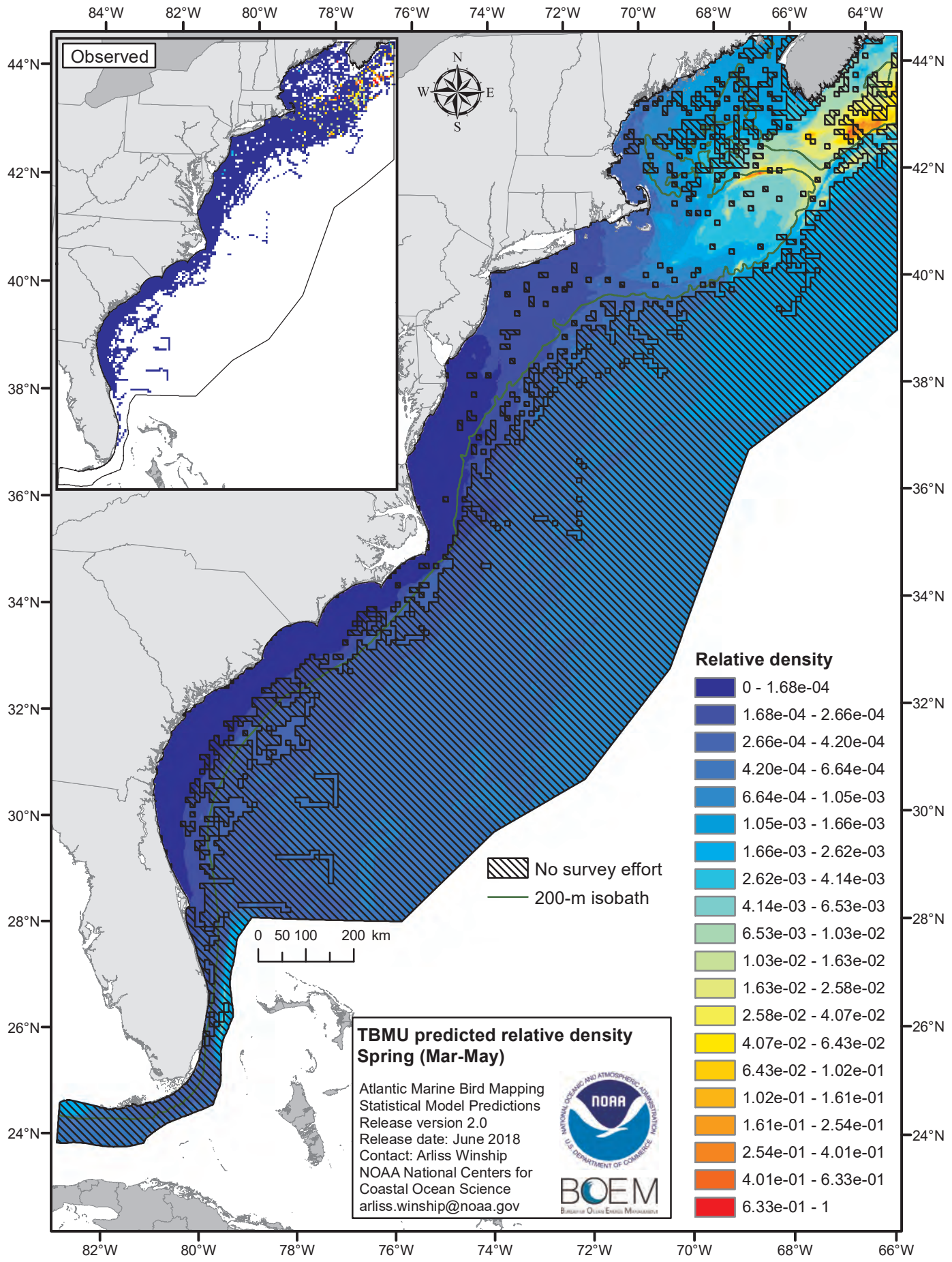
BOEM


Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.68e-04
1.68e-04 - 2.66e-04
2.66e-04 - 4.20e-04
4.20e-04 - 6.64e-04
6.64e-04 - 1.05e-03
1.05e-03 - 1.66e-03
1.66e-03 - 2.62e-03
2.62e-03 - 4.14e-03
4.14e-03 - 6.53e-03
6.53e-03 - 1.03e-02
1.03e-02 - 1.63e-02
1.63e-02 - 2.58e-02
2.58e-02 - 4.07e-02
4.07e-02 - 6.43e-02
6.43e-02 - 1.02e-01
1.02e-01 - 1.61e-01
1.61e-01 - 2.54e-01
2.54e-01 - 4.01e-01
4.01e-01 - 6.33e-01
6.33e-01 - 1
TBMU predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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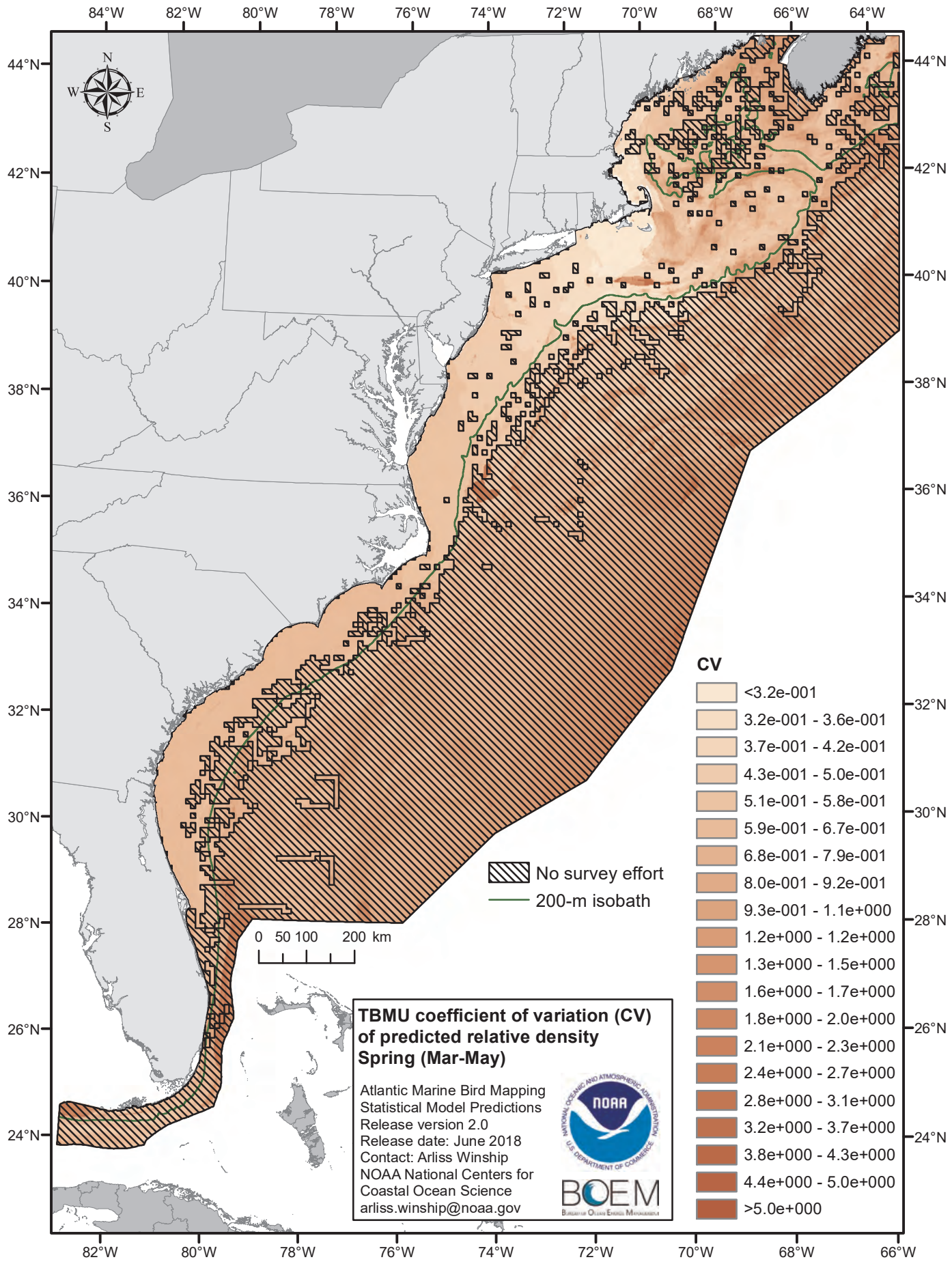
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.2e-001
3.2e-001 - 3.6e-001
3.7e-001 - 4.2e-001
4.3e-001 - 5.0e-001
5.1e-001 - 5.8e-001
5.9e-001 - 6.7e-001
6.8e-001 - 7.9e-001
8.0e-001 - 9.2e-001
9.3e-001 - 1.1e+000
1.2e+000 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.3e+000
4.4e+000 - 5.0e+000
>5.0e+000
TBMU coefficient of variation (CV) of predicted relative density
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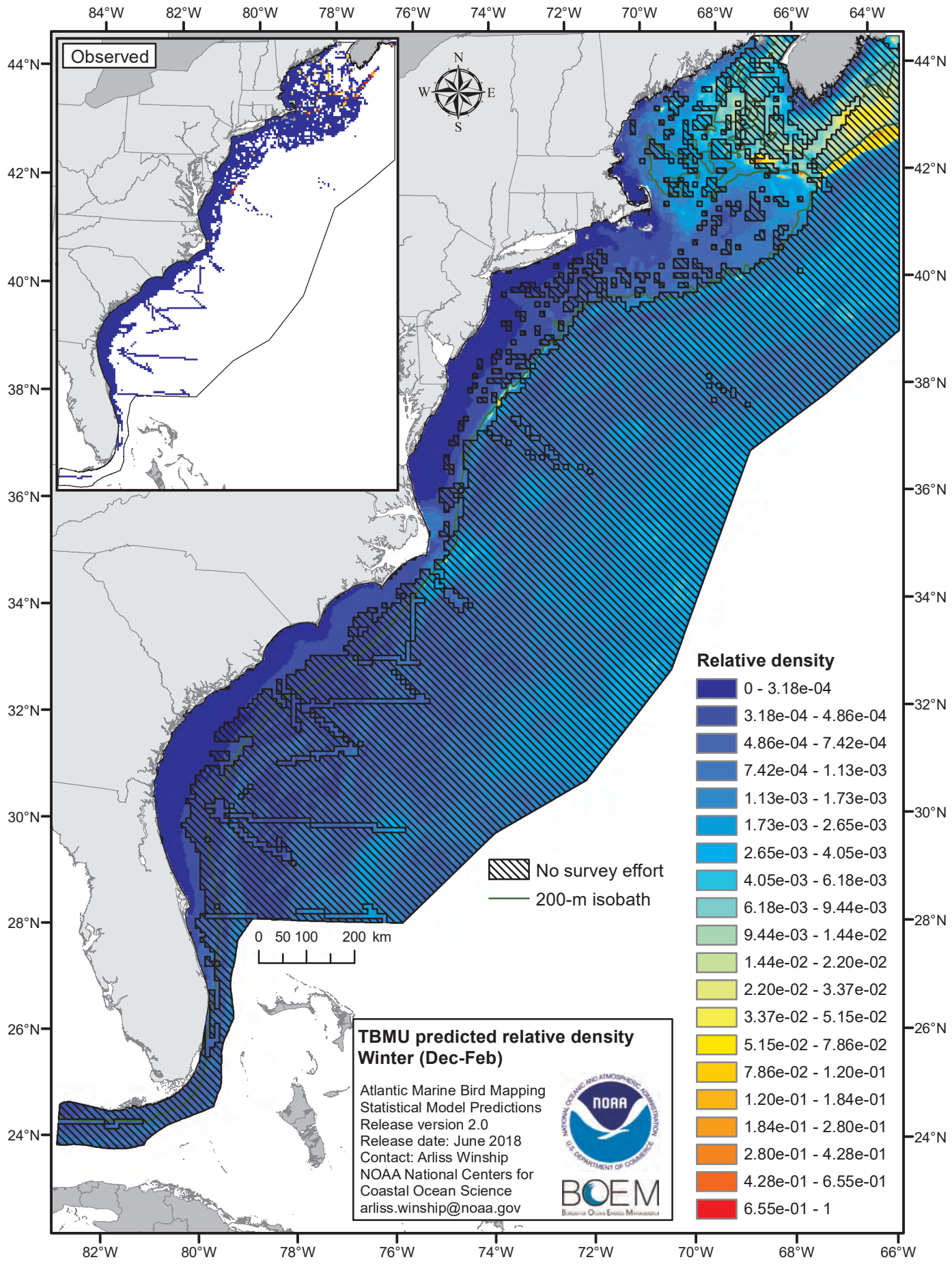
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 3.18e-04
3.18e-04 - 4.86e-04
4.86e-04 - 7.42e-04
7.42e-04 - 1.13e-03
1.13e-03 - 1.73e-03
1.73e-03 - 2.65e-03
2.65e-03 - 4.05e-03
4.05e-03 - 6.18e-03
6.18e-03 - 9.44e-03
9.44e-03 - 1.44e-02
1.44e-02 - 2.20e-02
2.20e-02 - 3.37e-02
3.37e-02 - 5.15e-02
5.15e-02 - 7.86e-02
7.86e-02 - 1.20e-01
1.20e-01 - 1.84e-01
1.84e-01 - 2.80e-01
2.80e-01 - 4.28e-01
4.28e-01 - 6.55e-01
6.55e-01 - 1
TBMU predicted relative density
Winter (Dec-Feb)
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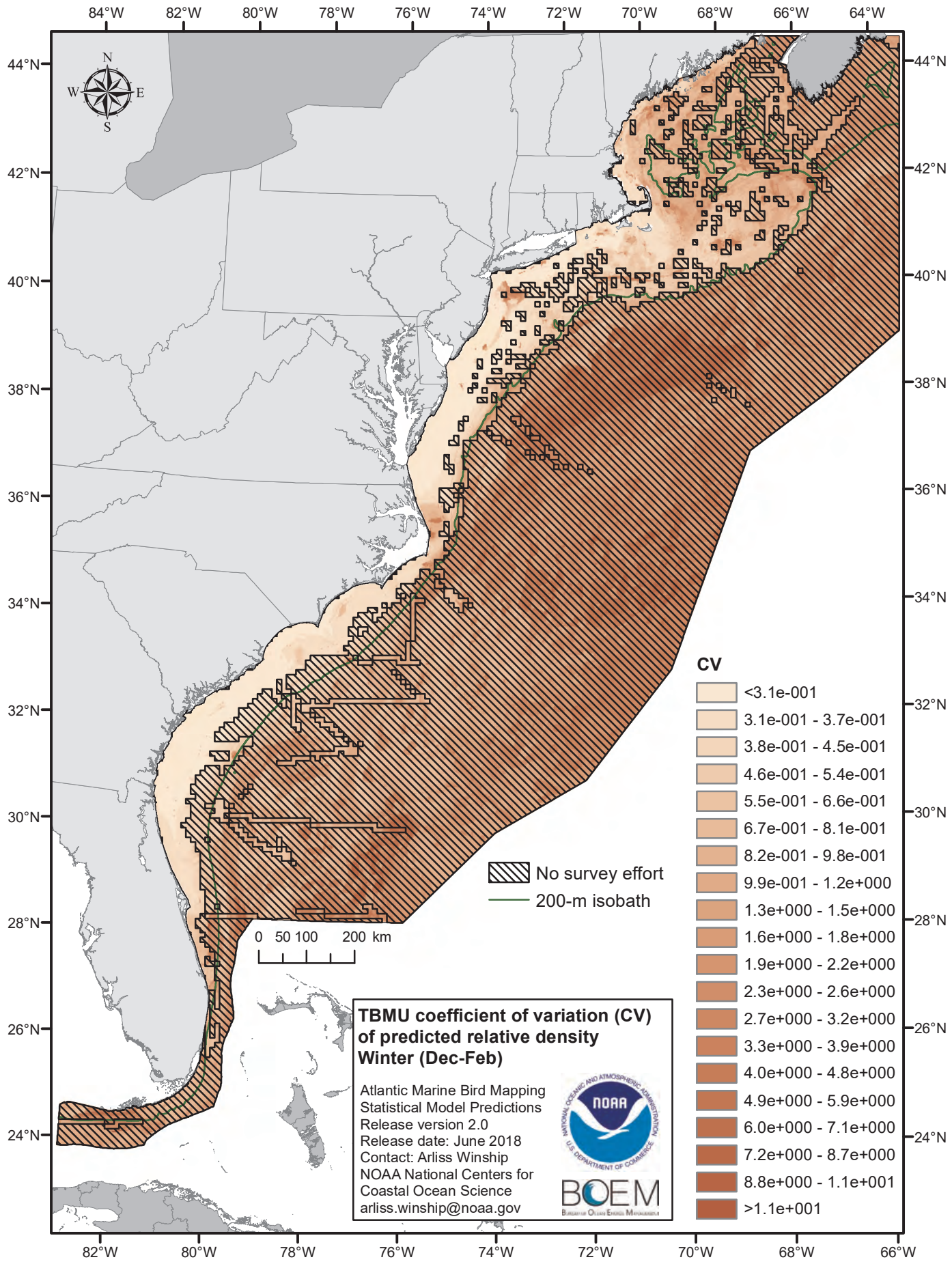
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.1e-001
3.1e-001 - 3.7e-001
3.8e-001 - 4.5e-001
4.6e-001 - 5.4e-001
5.5e-001 - 6.6e-001
6.7e-001 - 8.1e-001
8.2e-001 - 9.8e-001
9.9e-001 - 1.2e+000
1.3e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.6e+000
2.7e+000 - 3.2e+000
3.3e+000 - 3.9e+000
4.0e+000 - 4.8e+000
4.9e+000 - 5.9e+000
6.0e+000 - 7.1e+000
7.2e+000 - 8.7e+000
8.8e+000 - 1.1e+001
>1.1e+001
TBMU coefficient of variation (CV) of predicted relative density
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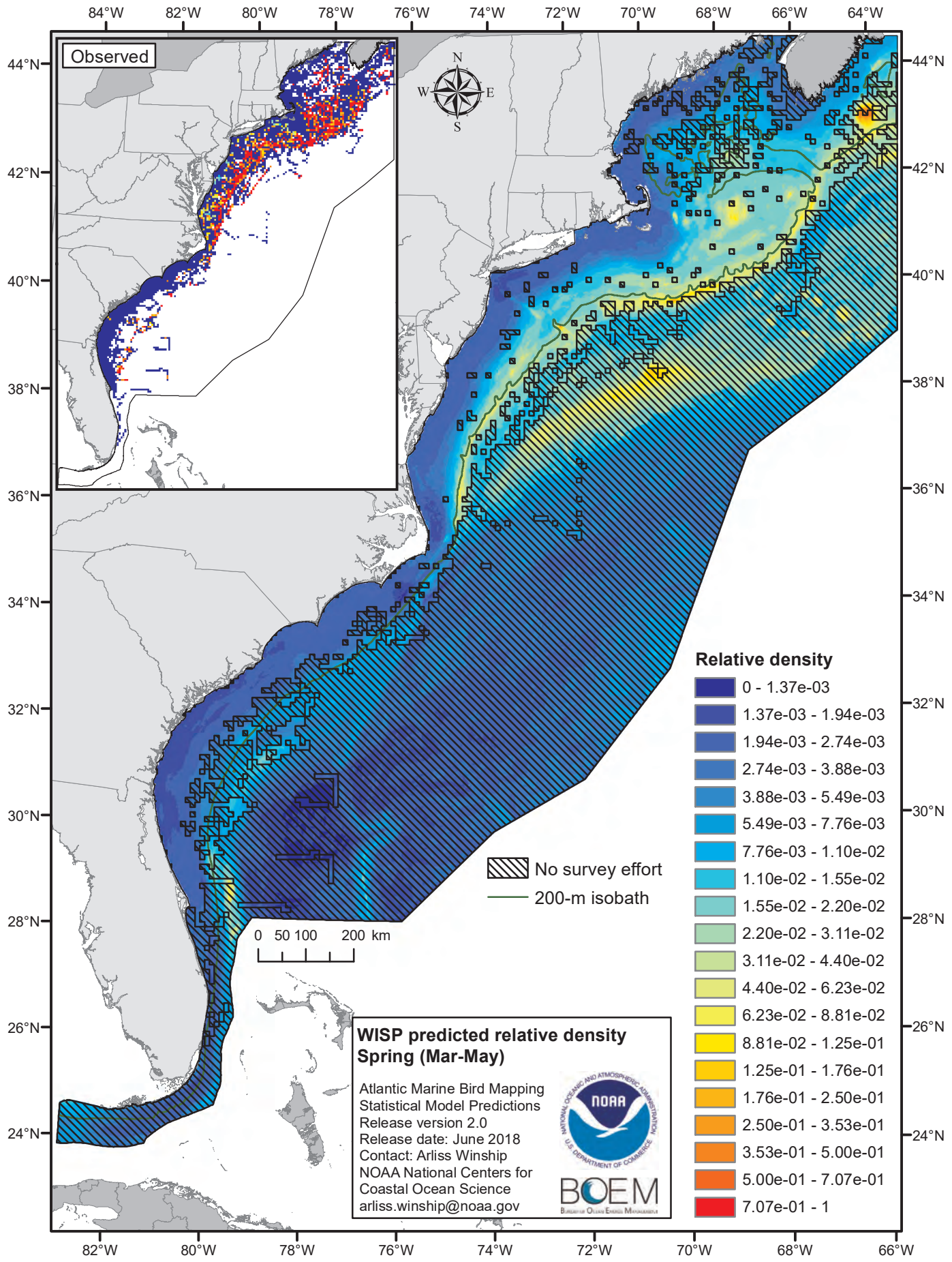
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 1.37e-03
1.37e-03 - 1.94e-03
1.94e-03 - 2.74e-03
2.74e-03 - 3.88e-03
3.88e-03 - 5.49e-03
5.49e-03 - 7.76e-03
7.76e-03 - 1.10e-02
1.10e-02 - 1.55e-02
1.55e-02 - 2.20e-02
2.20e-02 - 3.11e-02
3.11e-02 - 4.40e-02
4.40e-02 - 6.23e-02
6.23e-02 - 8.81e-02
8.81e-02 - 1.25e-01
1.25e-01 - 1.76e-01
1.76e-01 - 2.50e-01
2.50e-01 - 3.53e-01
3.53e-01 - 5.00e-01
5.00e-01 - 7.07e-01
7.07e-01 - 1
WISP predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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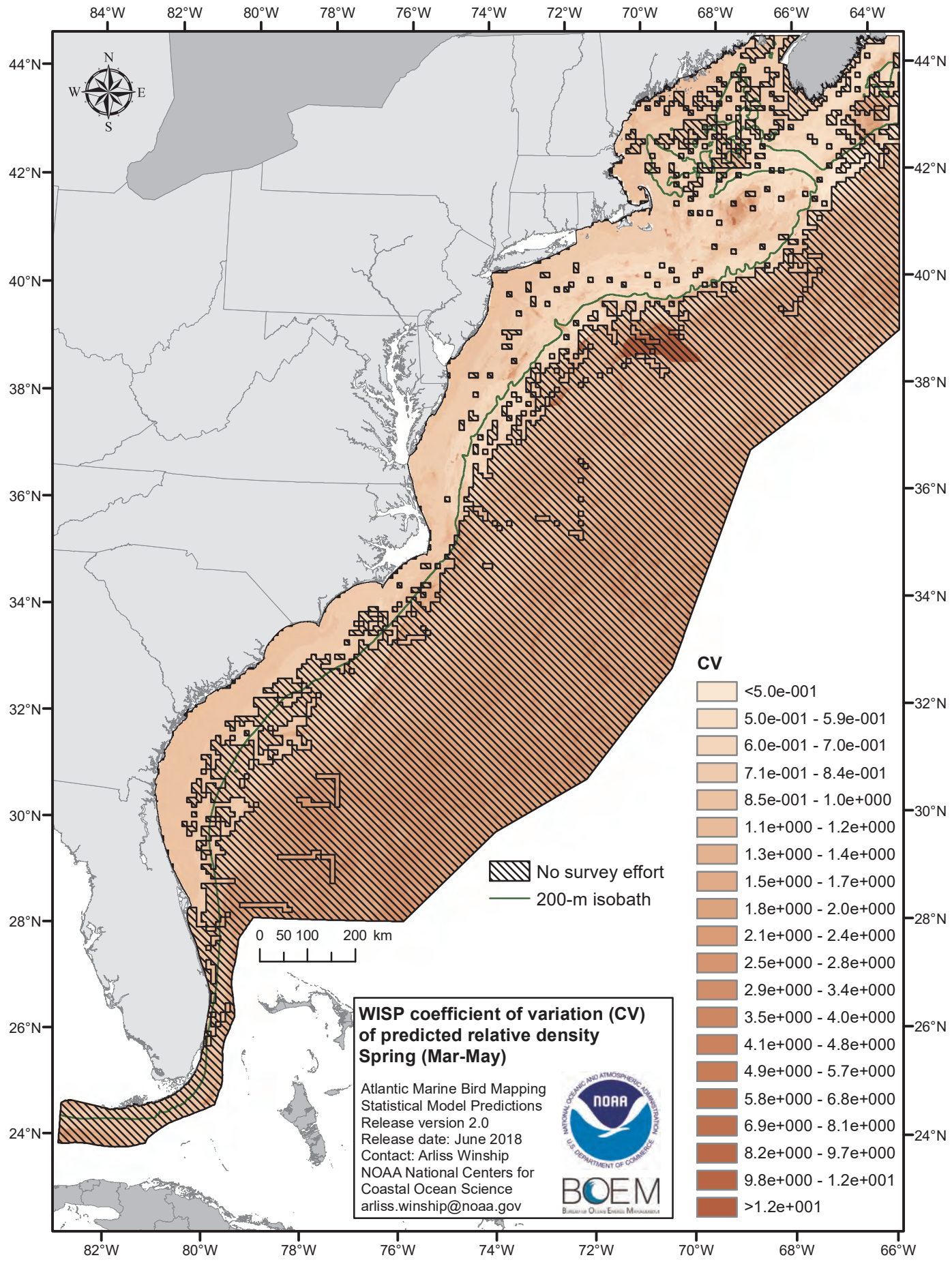
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.0e-001
5.0e-001 - 5.9e-001
6.0e-001 - 7.0e-001
7.1e-001 - 8.4e-001
8.5e-001 - 1.0e+000
1.1e+000 - 1.2e+000
1.3e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.4e+000
2.5e+000 - 2.8e+000
2.9e+000 - 3.4e+000
3.5e+000 - 4.0e+000
4.1e+000 - 4.8e+000
4.9e+000 - 5.7e+000
5.8e+000 - 6.8e+000
6.9e+000 - 8.1e+000
8.2e+000 - 9.7e+000
9.8e+000 - 1.2e+001
>1.2e+001
WISP coefficient of variation (CV) of predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
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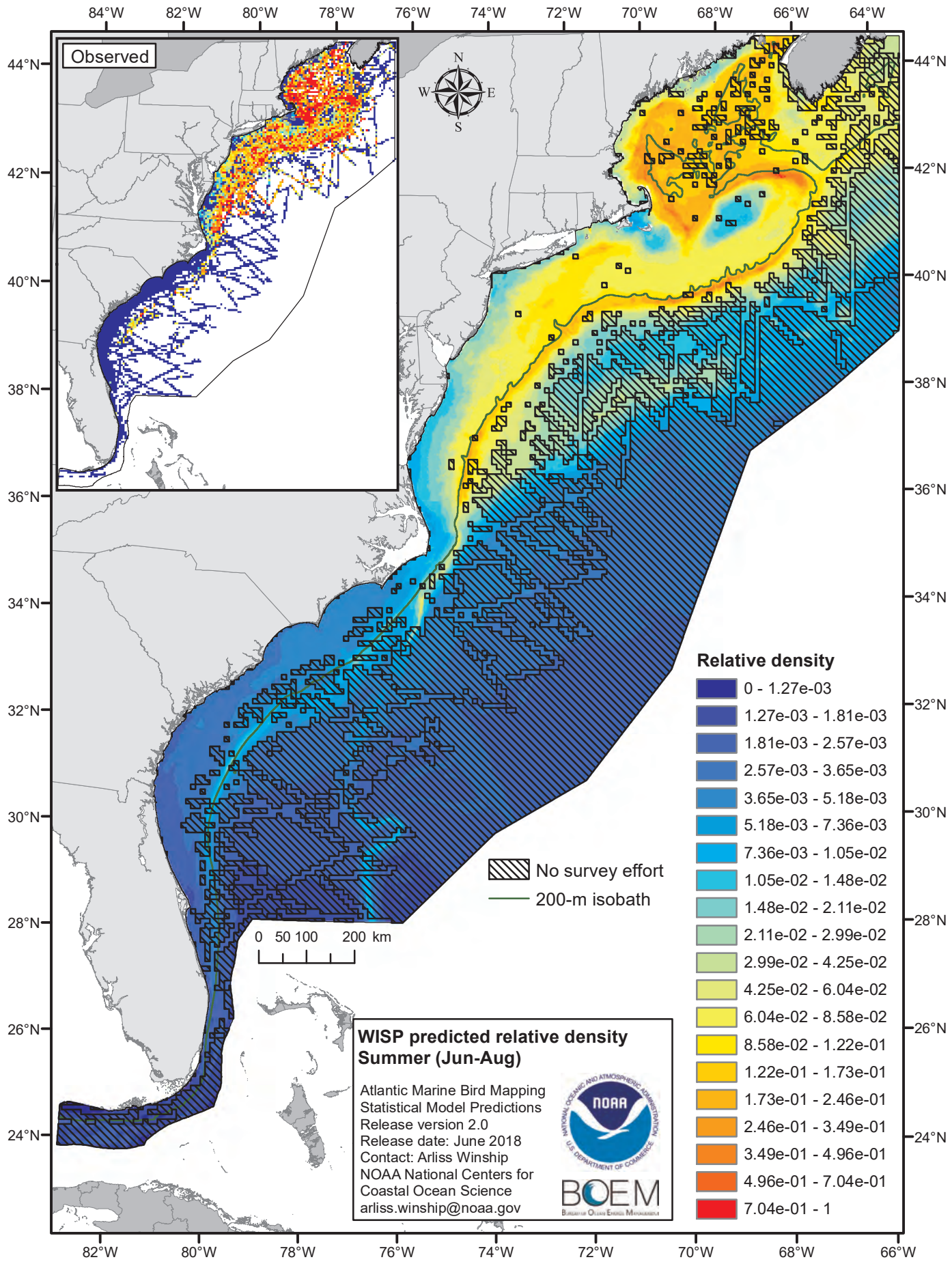
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
Relative density
0 - 1.27e-03
1.27e-03 - 1.81e-03
1.81e-03 - 2.57e-03
2.57e-03 - 3.65e-03
3.65e-03 - 5.18e-03
5.18e-03 - 7.36e-03
7.36e-03 - 1.05e-02
1.05e-02 - 1.48e-02
1.48e-02 - 2.11e-02
2.11e-02 - 2.99e-02
2.99e-02 - 4.25e-02
4.25e-02 - 6.04e-02
6.04e-02 - 8.58e-02
8.58e-02 - 1.22e-01
1.22e-01 - 1.73e-01
1.73e-01 - 2.46e-01
2.46e-01 - 3.49e-01
3.49e-01 - 4.96e-01
4.96e-01 - 7.04e-01
7.04e-01 - 1
No survey effort
200-m isobath
0 50 100 200 km
WISP predicted relative density
Summer (Jun-Aug)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
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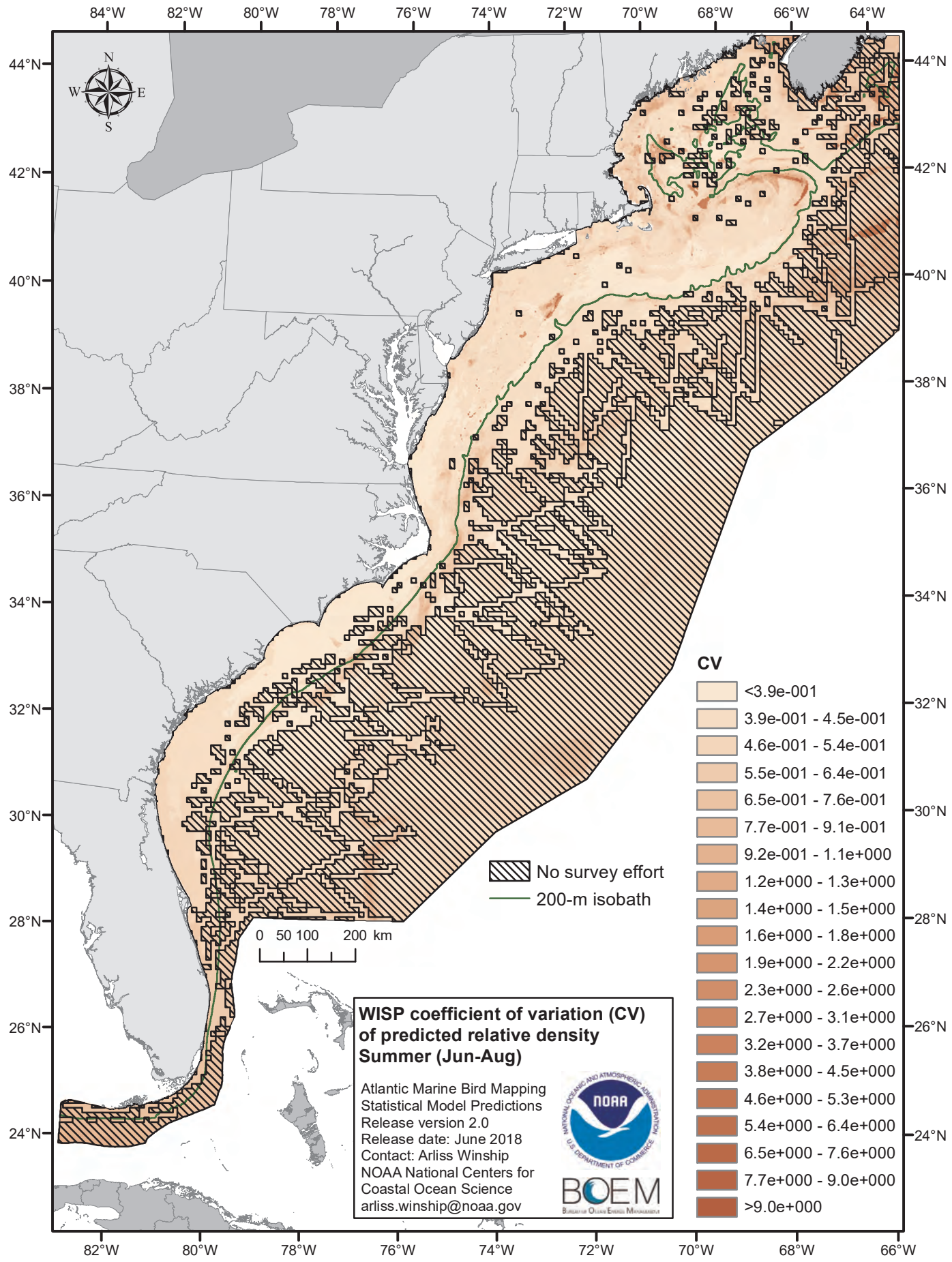
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.9e-001
3.9e-001 - 4.5e-001
4.6e-001 - 5.4e-001
5.5e-001 - 6.4e-001
6.5e-001 - 7.6e-001
7.7e-001 - 9.1e-001
9.2e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.2e+000
2.3e+000 - 2.6e+000
2.7e+000 - 3.1e+000
3.2e+000 - 3.7e+000
3.8e+000 - 4.5e+000
4.6e+000 - 5.3e+000
5.4e+000 - 6.4e+000
6.5e+000 - 7.6e+000
7.7e+000 - 9.0e+000
>9.0e+000
WISP coefficient of variation (CV) of predicted relative density
Summer (Jun-Aug)
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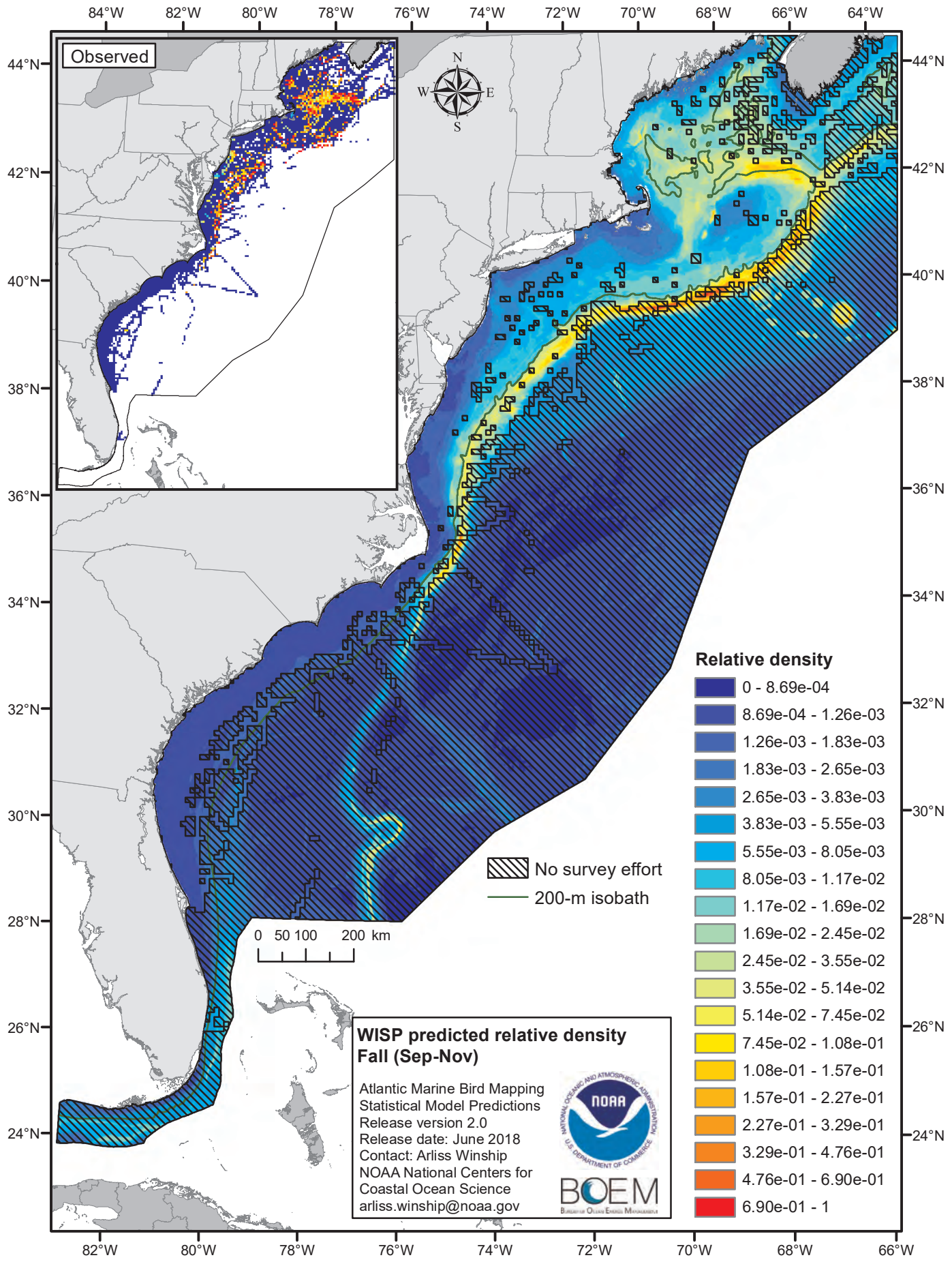
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 8.69e-04
8.69e-04 - 1.26e-03
1.26e-03 - 1.83e-03
1.83e-03 - 2.65e-03
2.65e-03 - 3.83e-03
3.83e-03 - 5.55e-03
5.55e-03 - 8.05e-03
8.05e-03 - 1.17e-02
1.17e-02 - 1.69e-02
1.69e-02 - 2.45e-02
2.45e-02 - 3.55e-02
3.55e-02 - 5.14e-02
5.14e-02 - 7.45e-02
7.45e-02 - 1.08e-01
1.08e-01 - 1.57e-01
1.57e-01 - 2.27e-01
2.27e-01 - 3.29e-01
3.29e-01 - 4.76e-01
4.76e-01 - 6.90e-01
6.90e-01 - 1
WISP predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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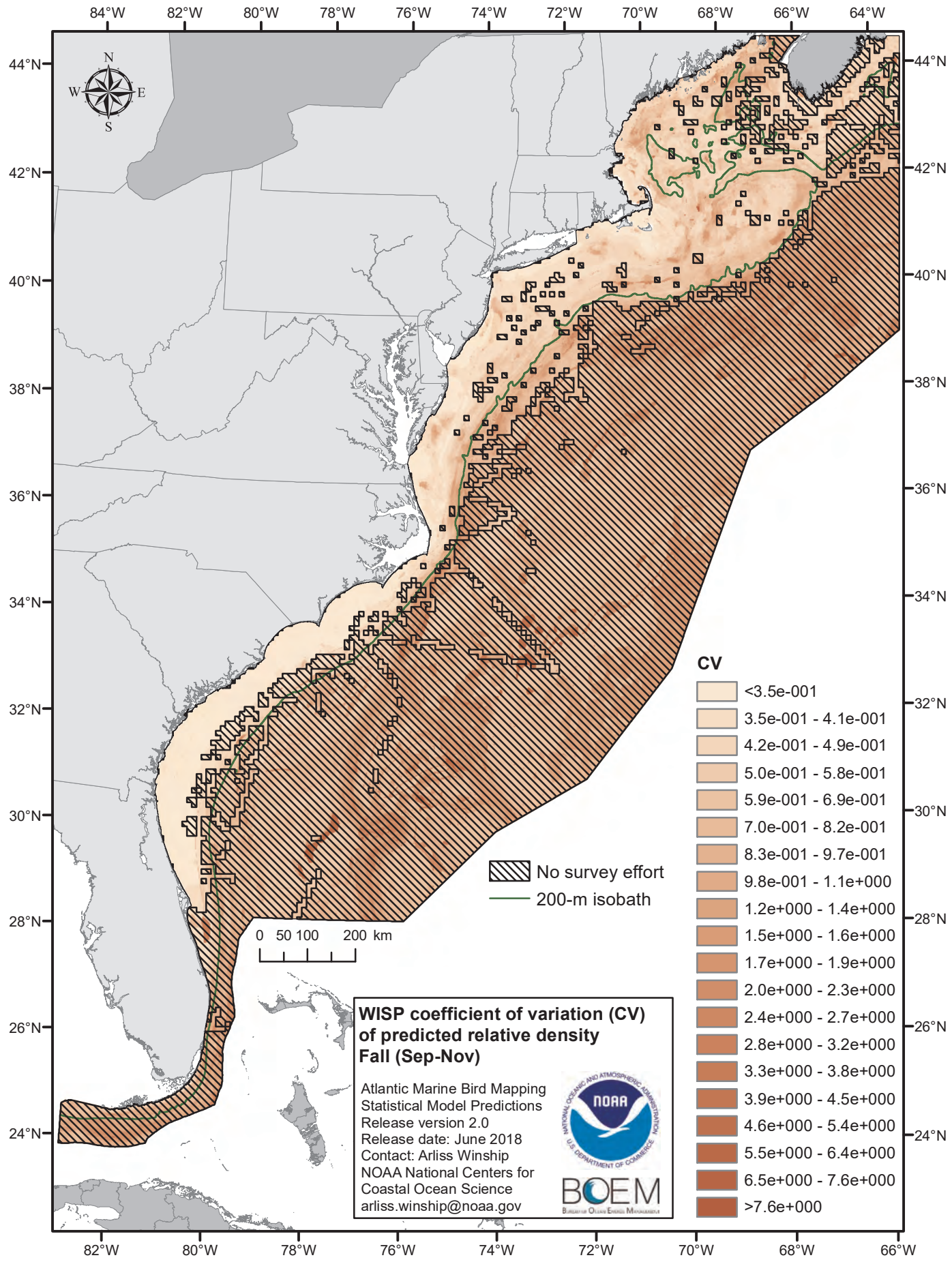
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
No survey effort
200-m isobath
0 50 100 200 km
CV
<3.5e-001
3.5e-001 - 4.1e-001
4.2e-001 - 4.9e-001
5.0e-001 - 5.8e-001
5.9e-001 - 6.9e-001
7.0e-001 - 8.2e-001
8.3e-001 - 9.7e-001
9.8e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.6e+000
1.7e+000 - 1.9e+000
2.0e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.8e+000
3.9e+000 - 4.5e+000
4.6e+000 - 5.4e+000
5.5e+000 - 6.4e+000
6.5e+000 - 7.6e+000
>7.6e+000
WISP coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
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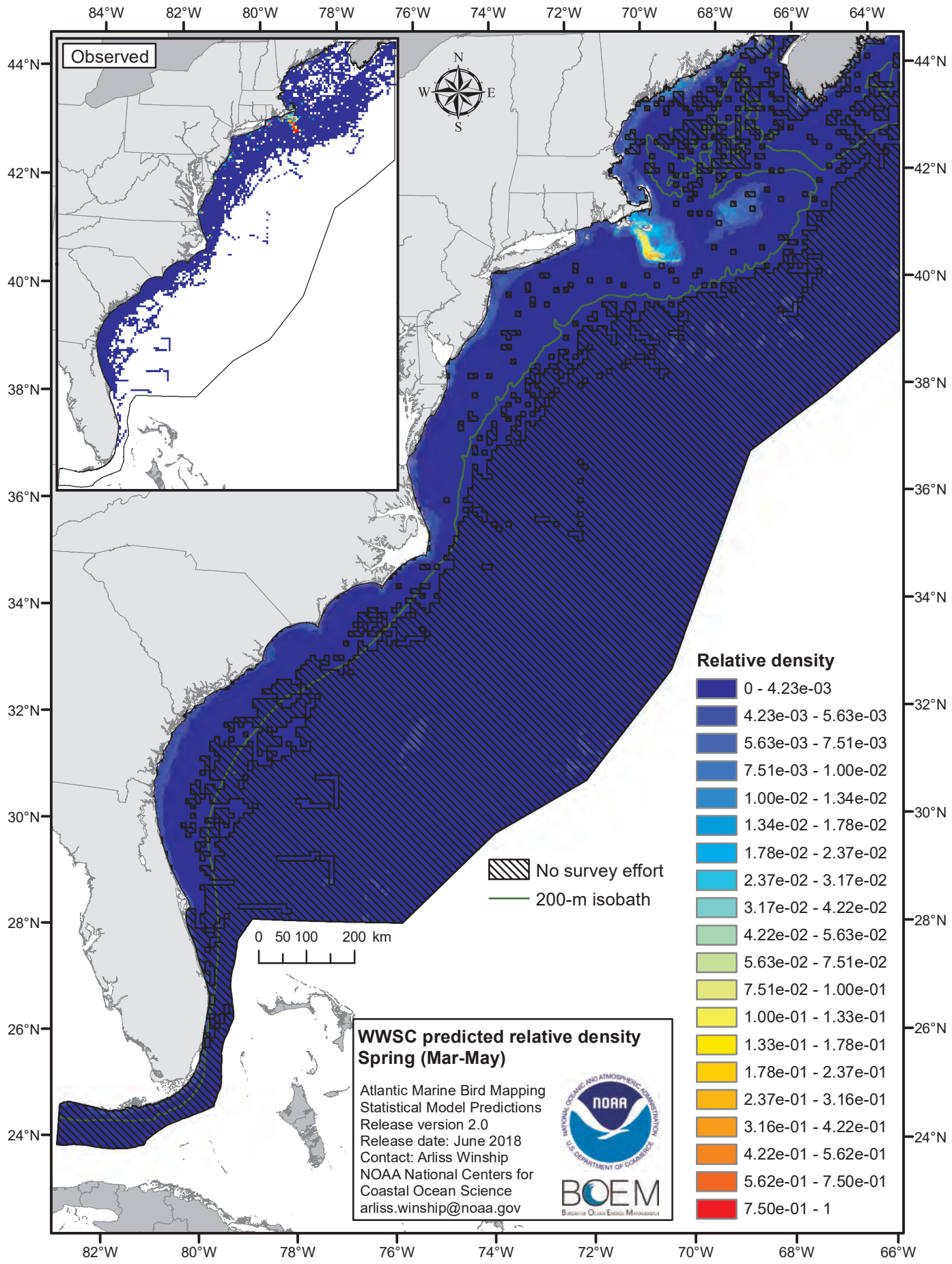
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 4.23e-03
4.23e-03 - 5.63e-03
5.63e-03 - 7.51e-03
7.51e-03 - 1.00e-02
1.00e-02 - 1.34e-02
1.34e-02 - 1.78e-02
1.78e-02 - 2.37e-02
2.37e-02 - 3.17e-02
3.17e-02 - 4.22e-02
4.22e-02 - 5.63e-02
5.63e-02 - 7.51e-02
7.51e-02 - 1.00e-01
1.00e-01 - 1.33e-01
1.33e-01 - 1.78e-01
1.78e-01 - 2.37e-01
2.37e-01 - 3.16e-01
3.16e-01 - 4.22e-01
4.22e-01 - 5.62e-01
5.62e-01 - 7.50e-01
7.50e-01 - 1
WWSC predicted relative density
Spring (Mar-May)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
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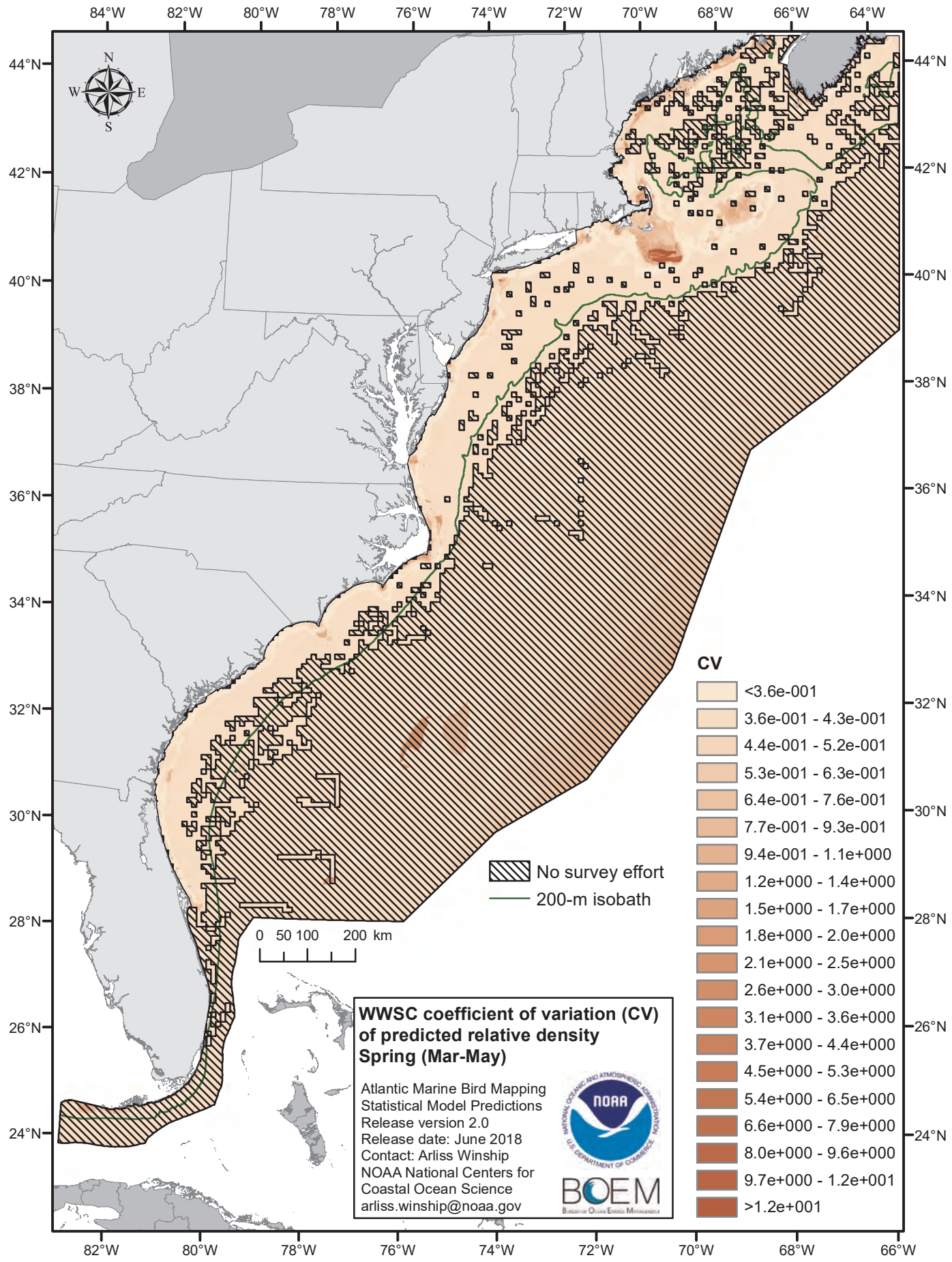
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<3.6e-001
3.6e-001 - 4.3e-001
4.4e-001 - 5.2e-001
5.3e-001 - 6.3e-001
6.4e-001 - 7.6e-001
7.7e-001 - 9.3e-001
9.4e-001 - 1.1e+000
1.2e+000 - 1.4e+000
1.5e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.6e+000
3.7e+000 - 4.4e+000
4.5e+000 - 5.3e+000
5.4e+000 - 6.5e+000
6.6e+000 - 7.9e+000
8.0e+000 - 9.6e+000
9.7e+000 - 1.2e+001
>1.2e+001
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NOAA
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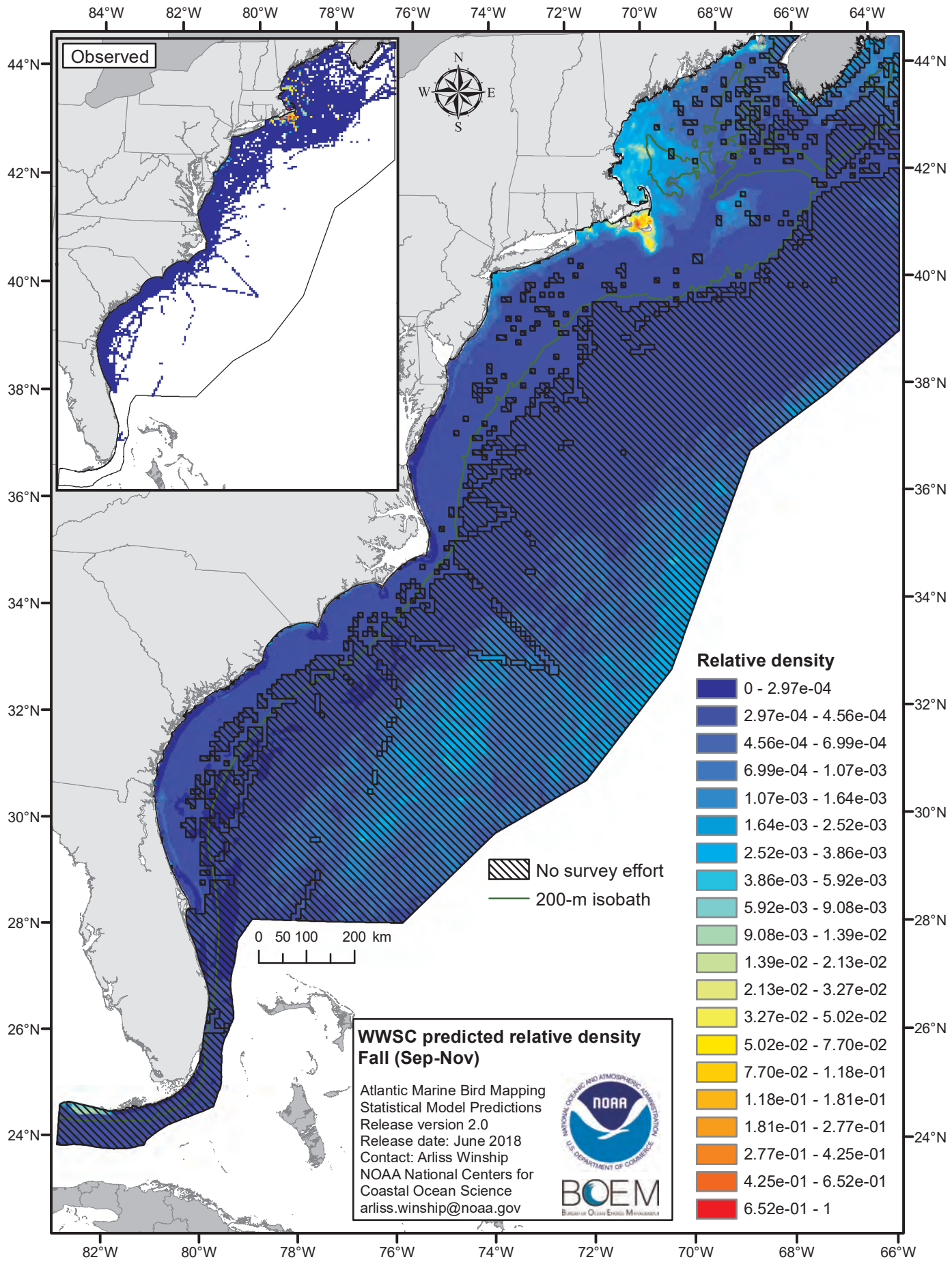
Observed
N
W
E
S
84°W
82°W
80°W
78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
0 50 100 200 km
No survey effort
200-m isobath
Relative density
0 - 2.97e-04
2.97e-04 - 4.56e-04
4.56e-04 - 6.99e-04
6.99e-04 - 1.07e-03
1.07e-03 - 1.64e-03
1.64e-03 - 2.52e-03
2.52e-03 - 3.86e-03
3.86e-03 - 5.92e-03
5.92e-03 - 9.08e-03
9.08e-03 - 1.39e-02
1.39e-02 - 2.13e-02
2.13e-02 - 3.27e-02
3.27e-02 - 5.02e-02
5.02e-02 - 7.70e-02
7.70e-02 - 1.18e-01
1.18e-01 - 1.81e-01
1.81e-01 - 2.77e-01
2.77e-01 - 4.25e-01
4.25e-01 - 6.52e-01
6.52e-01 - 1
WWSC predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
Statistical Model Predictions
Release version 2.0
Release date: June 2018
Contact: Arliss Winship
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NOAA
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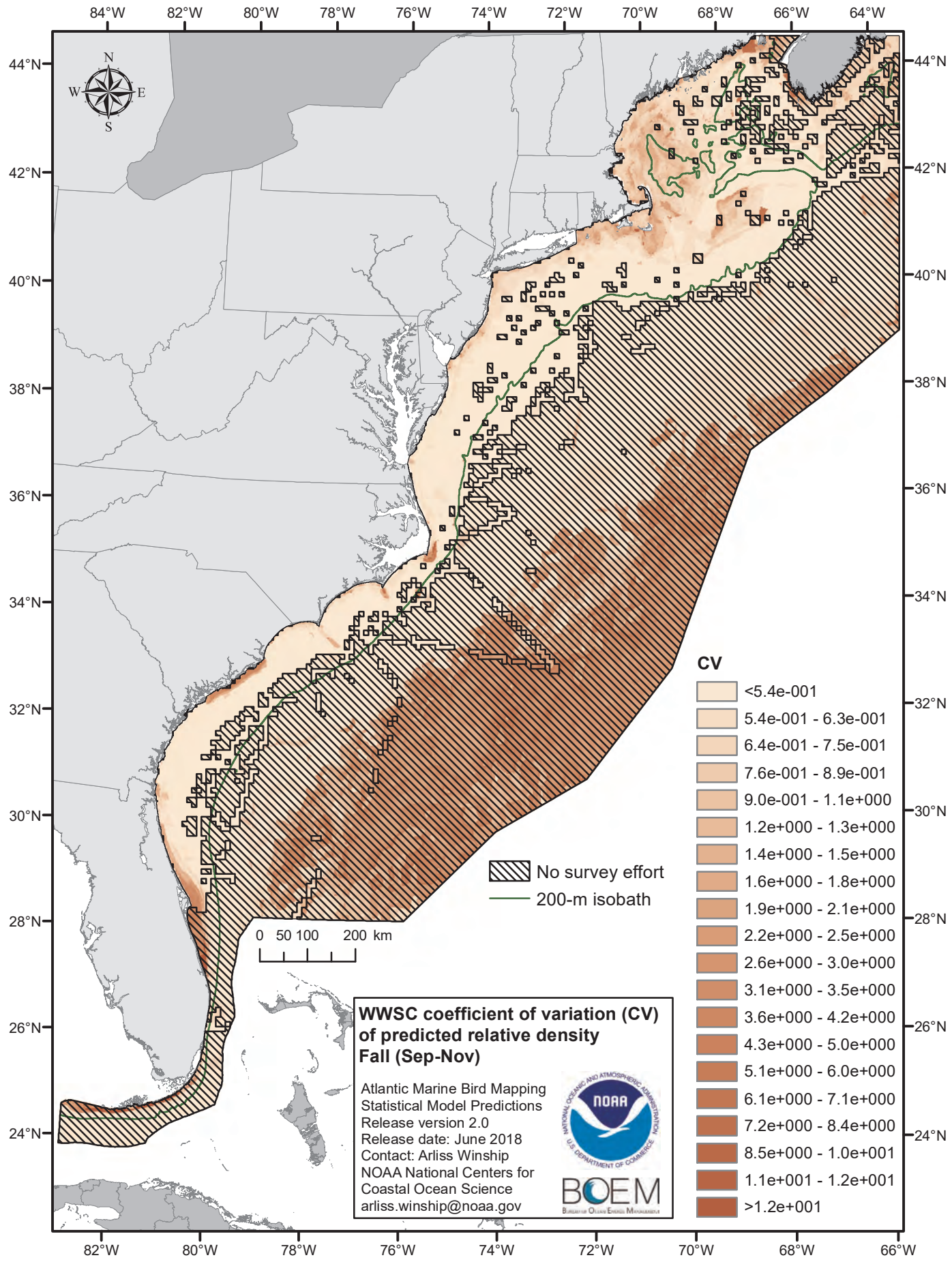
84°W
82°W
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78°W
76°W
74°W
72°W
70°W
68°W
66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<5.4e-001
5.4e-001 - 6.3e-001
6.4e-001 - 7.5e-001
7.6e-001 - 8.9e-001
9.0e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.8e+000
1.9e+000 - 2.1e+000
2.2e+000 - 2.5e+000
2.6e+000 - 3.0e+000
3.1e+000 - 3.5e+000
3.6e+000 - 4.2e+000
4.3e+000 - 5.0e+000
5.1e+000 - 6.0e+000
6.1e+000 - 7.1e+000
7.2e+000 - 8.4e+000
8.5e+000 - 1.0e+001
1.1e+001 - 1.2e+001
>1.2e+001
WWSC coefficient of variation (CV) of predicted relative density
Fall (Sep-Nov)
Atlantic Marine Bird Mapping
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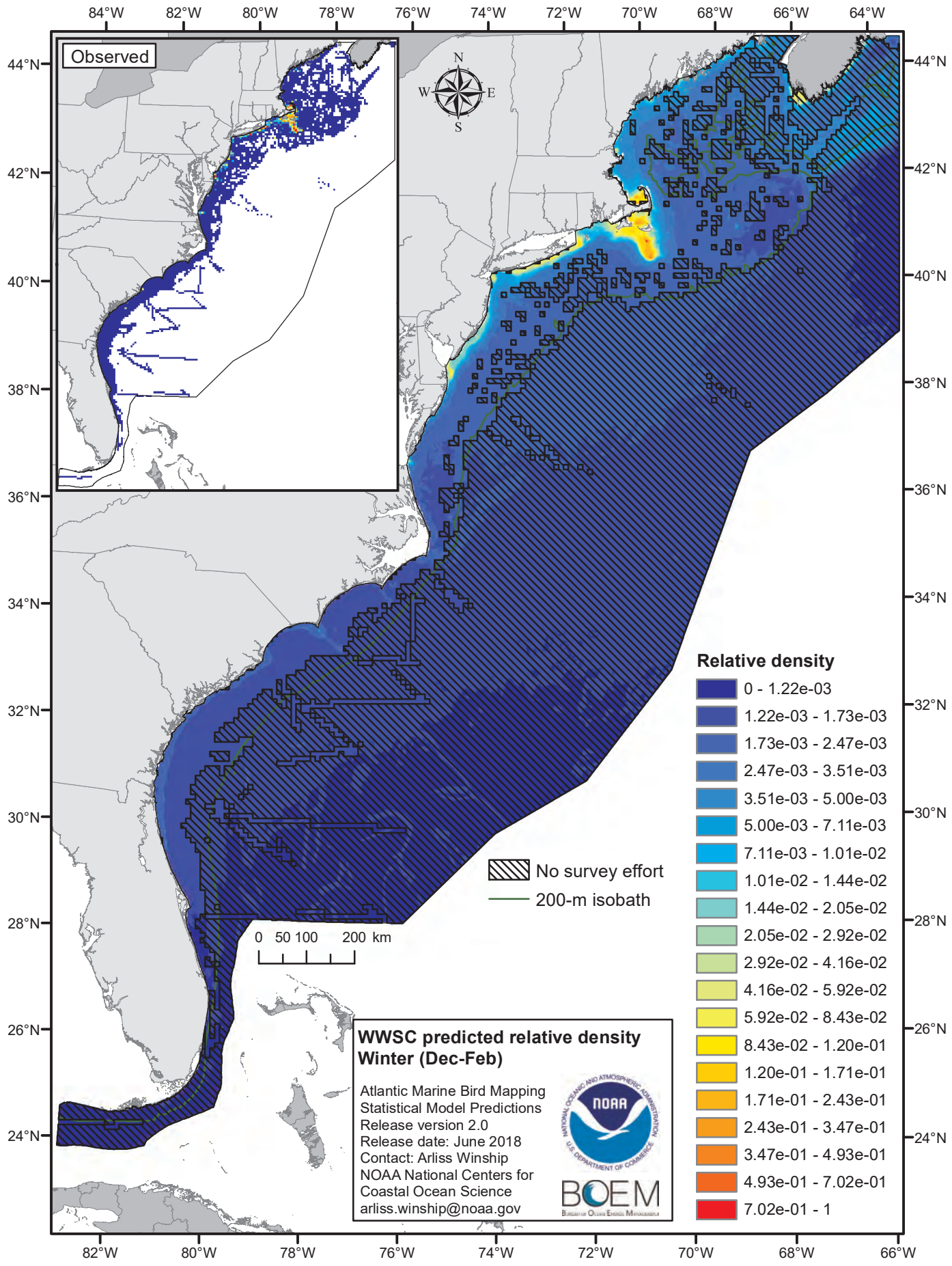
Observed
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84°W
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78°W
76°W
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66°W
64°W
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
No survey effort
200-m isobath
0 50 100 200 km
Relative density
0 - 1.22e-03
1.22e-03 - 1.73e-03
1.73e-03 - 2.47e-03
2.47e-03 - 3.51e-03
3.51e-03 - 5.00e-03
5.00e-03 - 7.11e-03
7.11e-03 - 1.01e-02
1.01e-02 - 1.44e-02
1.44e-02 - 2.05e-02
2.05e-02 - 2.92e-02
2.92e-02 - 4.16e-02
4.16e-02 - 5.92e-02
5.92e-02 - 8.43e-02
8.43e-02 - 1.20e-01
1.20e-01 - 1.71e-01
1.71e-01 - 2.43e-01
2.43e-01 - 3.47e-01
3.47e-01 - 4.93e-01
4.93e-01 - 7.02e-01
7.02e-01 - 1
WWSC predicted relative density
Winter (Dec-Feb)
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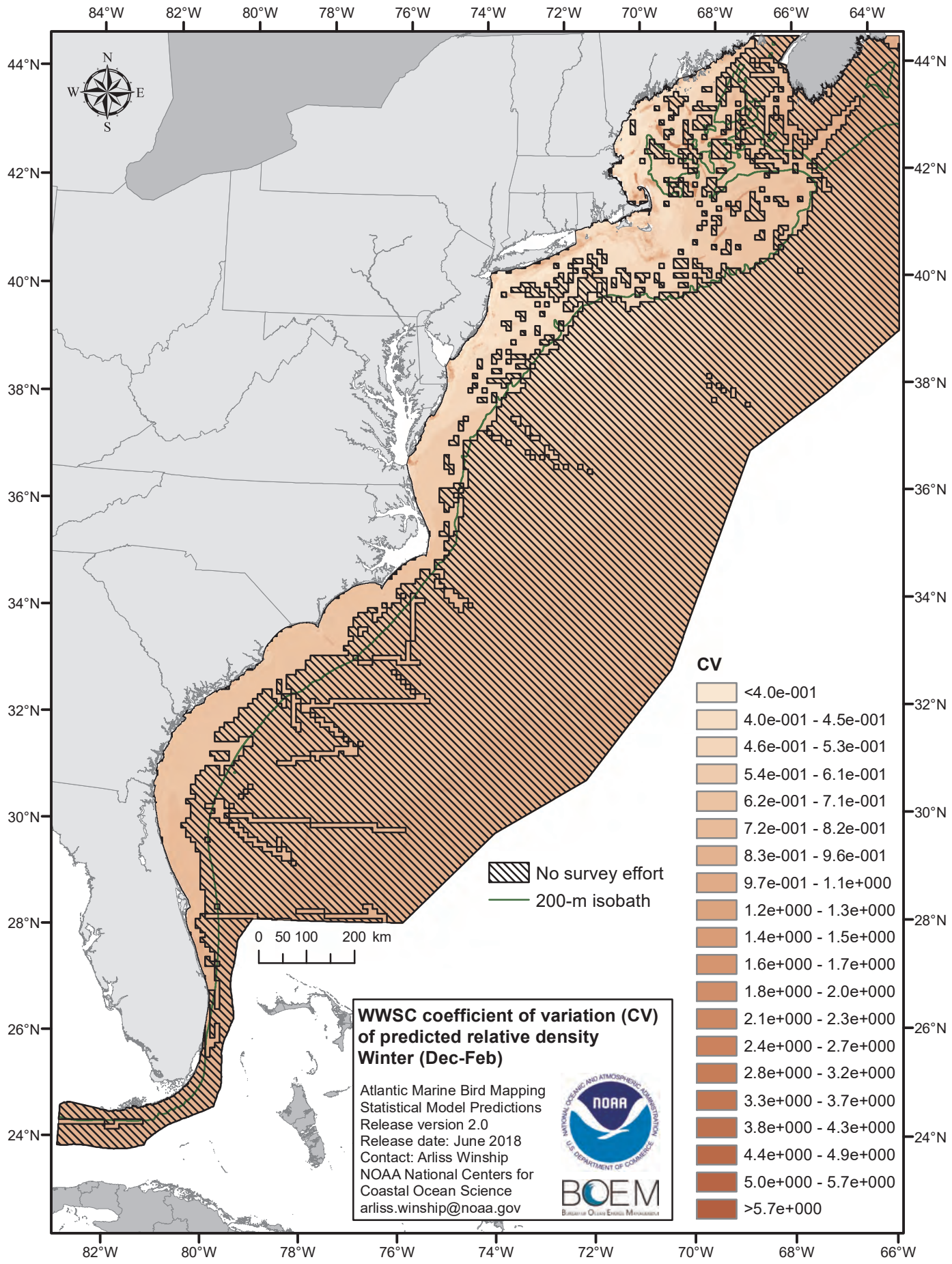
84°W
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44°N
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38°N
36°N
34°N
32°N
30°N
28°N
26°N
24°N
N
W
E
S
0 50 100 200 km
No survey effort
200-m isobath
CV
<4.0e-001
4.0e-001 - 4.5e-001
4.6e-001 - 5.3e-001
5.4e-001 - 6.1e-001
6.2e-001 - 7.1e-001
7.2e-001 - 8.2e-001
8.3e-001 - 9.6e-001
9.7e-001 - 1.1e+000
1.2e+000 - 1.3e+000
1.4e+000 - 1.5e+000
1.6e+000 - 1.7e+000
1.8e+000 - 2.0e+000
2.1e+000 - 2.3e+000
2.4e+000 - 2.7e+000
2.8e+000 - 3.2e+000
3.3e+000 - 3.7e+000
3.8e+000 - 4.3e+000
4.4e+000 - 4.9e+000
5.0e+000 - 5.7e+000
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WWSC coefficient of variation (CV) of predicted relative density
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