# NEFSC Update
# Gillnet Harbor Porpoise Bycatch

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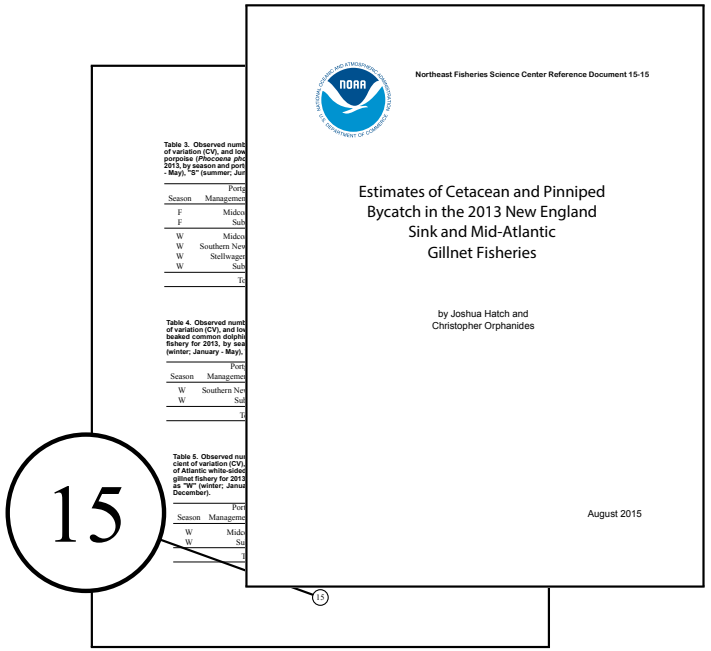
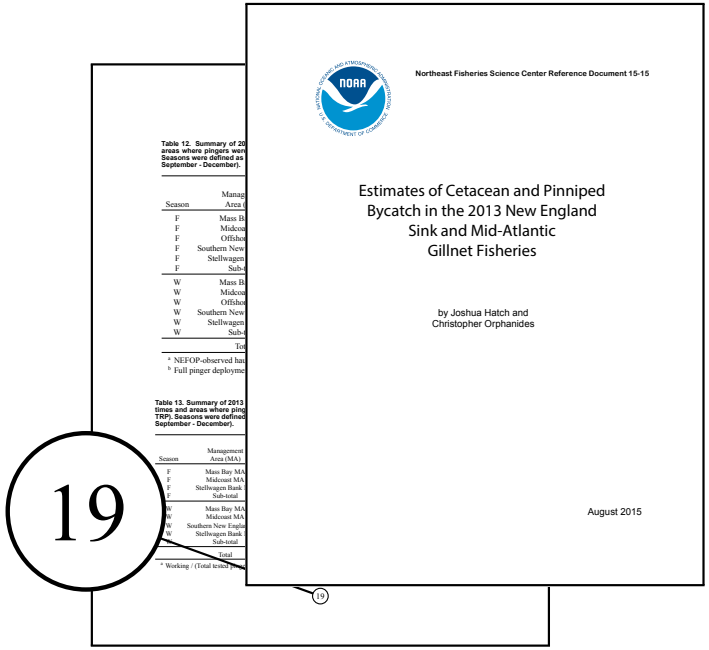
# 2013 NESG Bycatch Estimates (harbp)

| Season | Portgroup (P)/ Management Area (MA) | Observed Bycatch | Bycatch Rate | Estimated Bycatch | CV | 95% CI L | 95% CI U |
|---|---|---|---|---|---|---|---|
| W | Mid-Coast (MA) | 1 | 0.092 | 3.98 | 0.80 | 1 | 17 |
| W | Southern New England (MA) | 16 | 0.158 | 381.10 | 0.36 | 178 | 779 |
| W | Stellwagen Bank (MA) | 2 | 0.071 | 10.01 | 0.63 | 2 | 34 |
| W | Subtotal | 19 | - | 395.09 | 0.35 | 193 | 794 |
| F | Mid-Coast (MA) | 1 | 0.007 | 4.23 | 0.83 | 1 | 21 |
| F | Subtotal | 1 | - | 4.23 | 0.91 | 1 | 21 |
| | Total | 20 | - | 399.32 | 0.33 | 197 | 802 |



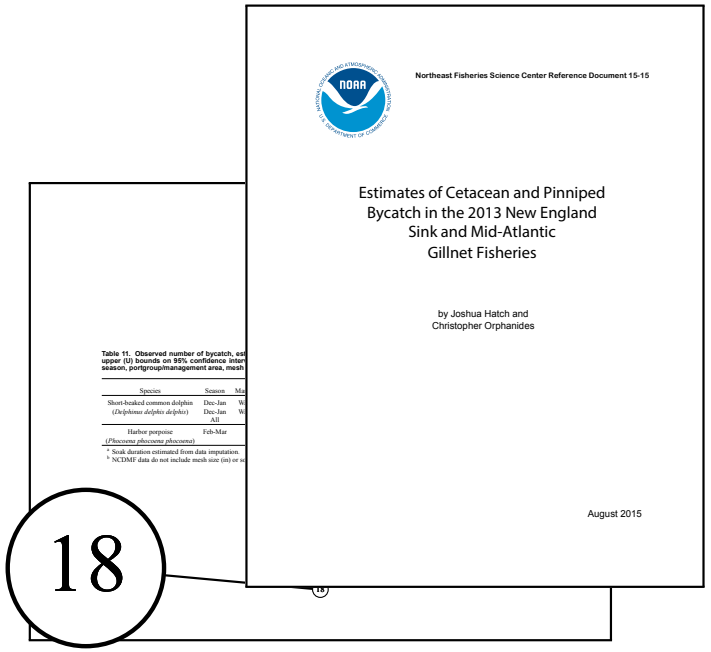
# 2013 NESG Compliance

- Full pinger deployment (i.e., correct # of pingers on a gillnet string)
  - High, ranged from 89 - 100%
  - Lowest compliance was observed in the Southern New England Management Area during the winter season
- Pinger functionality
  - Of the 2657 pingers tested, only 78 were found to be nonfunctioning (5%) and 19 were of unknown condition



# 2013 MAG Bycatch Estimates (harbp)

| Season | Region | Observed Bycatch | Bycatch Rate | Estimated Bycatch | CV | 95% CI | |
|---|---|---|---|---|---|---|---|
| | | | | | | L | U |
| Feb-Mar | North Carolina | 1 | 0.021 | 19.36 | 1.06 | 1 | 116 |

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# PRELIMINARY 2014 NESG Bycatch Estimates (harbp)

| Season | Portgroup (P)/ Management Area (MA) | Observed Bycatch | Bycatch Rate | Estimated Bycatch | CV | 95% CI L | 95% CI U |
|---|---|---|---|---|---|---|---|
| W | Mid-Coast (MA) | 11 | 0.183 | 27.52 | 0.45 | 11 | 80 |
| W | Cape Cod South (MA) | 3 | 0.037 | 32.46 | 0.74 | 3 | 121 |
| W | Southern New England (MA) | 3 | 0.014 | 24.32 | 0.72 | 3 | 99 |
| W | Subtotal | 17 | - | 84.30 | 0.38 | 35 | 182 |
| F | Mid-Coast (MA) | 10 | 0.040 | 31.86 | 0.25 | 16 | 56 |
| F | South of Cape Cod (P) | 1 | 0.008 | 12.16 | 1.11 | 1 | 65 |
| F | Subtotal | 11 | - | 44.02 | 0.34 | 22 | 95 |
| | Total | 28 | - | 128.32 | 0.27 | 69 | 225 |

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# PRELIMINARY 2014 NESG Compliance

- Full pinger deployment (i.e., correct # of pingers on a gillnet string)
  - High, ranged from 86 - 96% for management areas with harbp bycatch (see next slide)
- Pinger functionality was not assessed

# PRELIMINARY 2014 NESG Compliance cont.

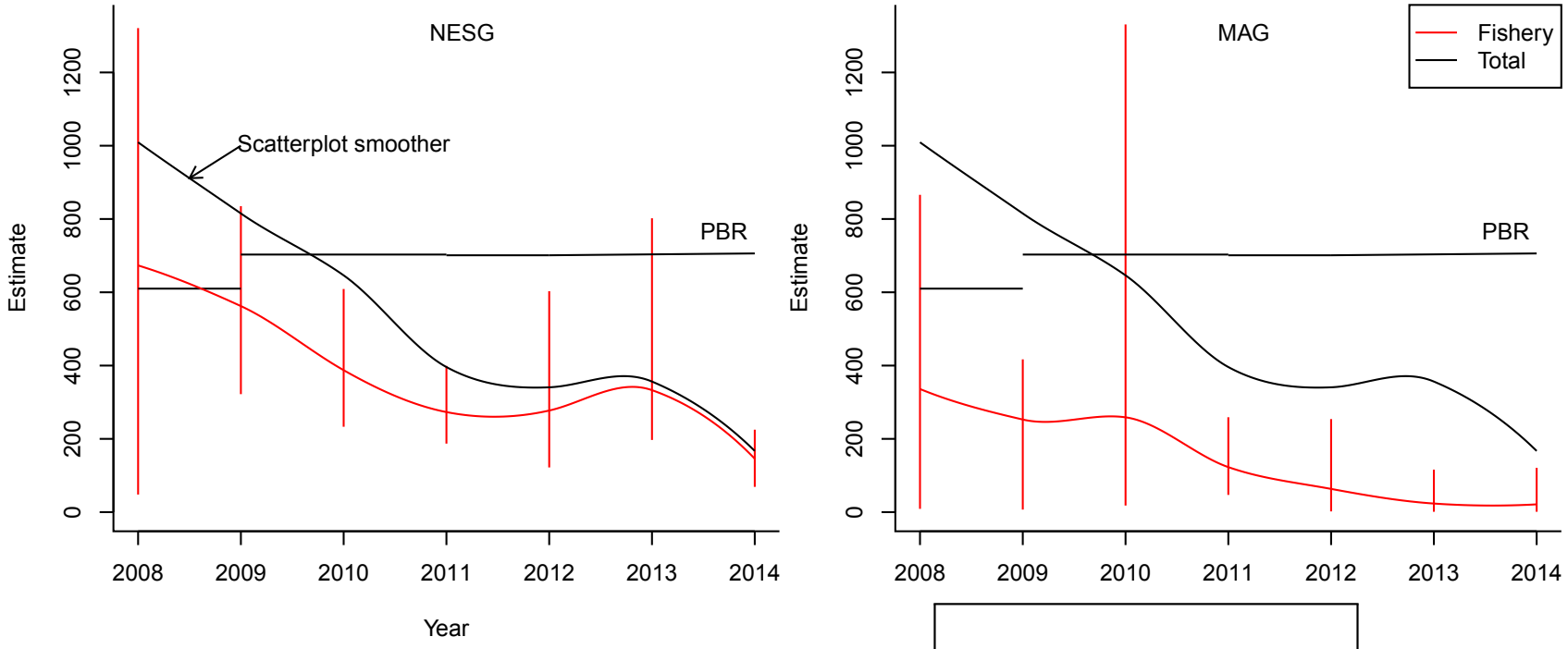
| Season | Management Area | Full Pinger Deployment Hauls | Total Observed Hauls | Full Pinger Deployment Proportion |
|---|---|---|---|---|
| W | Mid-Coast | 130 | 136 | 0.96 |
| W | Cape Cod South | 108 | 113 | 0.96 |
| W | Southern New England | 252 | 293 | 0.86 |
| W | Sub-total | 737 | 809 | 0.91 |
| F | Mid-Coast | 280 | 307 | 0.91 |
| F | Sub-total | 372 | 472 | 0.79 |

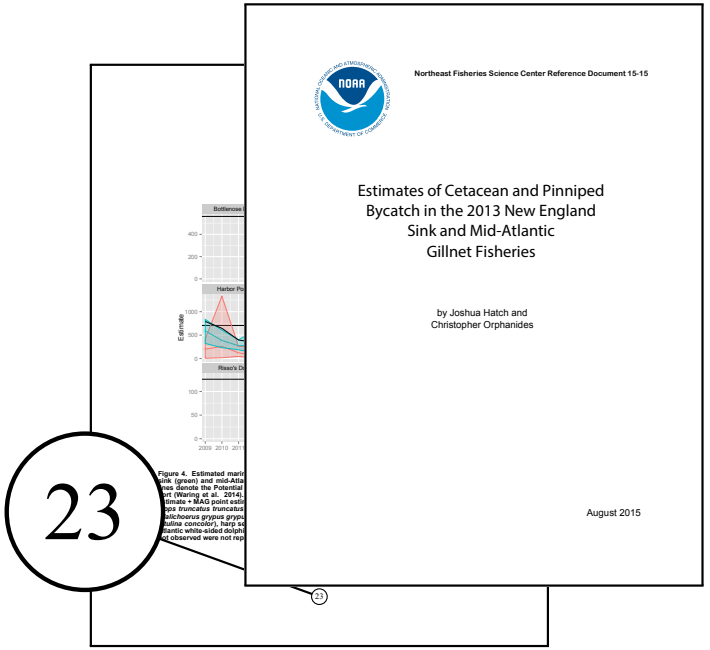
- Only management areas with harbp bycatch are shown; sub-totals include ALL management areas

# PRELIMINARY 2014 MAG Bycatch Estimates (harbp)

| Season | Region | Mesh Size (in) | Soak Duration (hrs) | Observed Bycatch | Bycatch Rate | Estimated Bycatch | CV | 95% CI | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | L | U |
| May | Waters off NJ | >7 | ≤72 | 1 | 0.059 | 22.35 | 1.03 | 1 | 121 |

# NESG & MAG Bycatch Trends (harbp)

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