

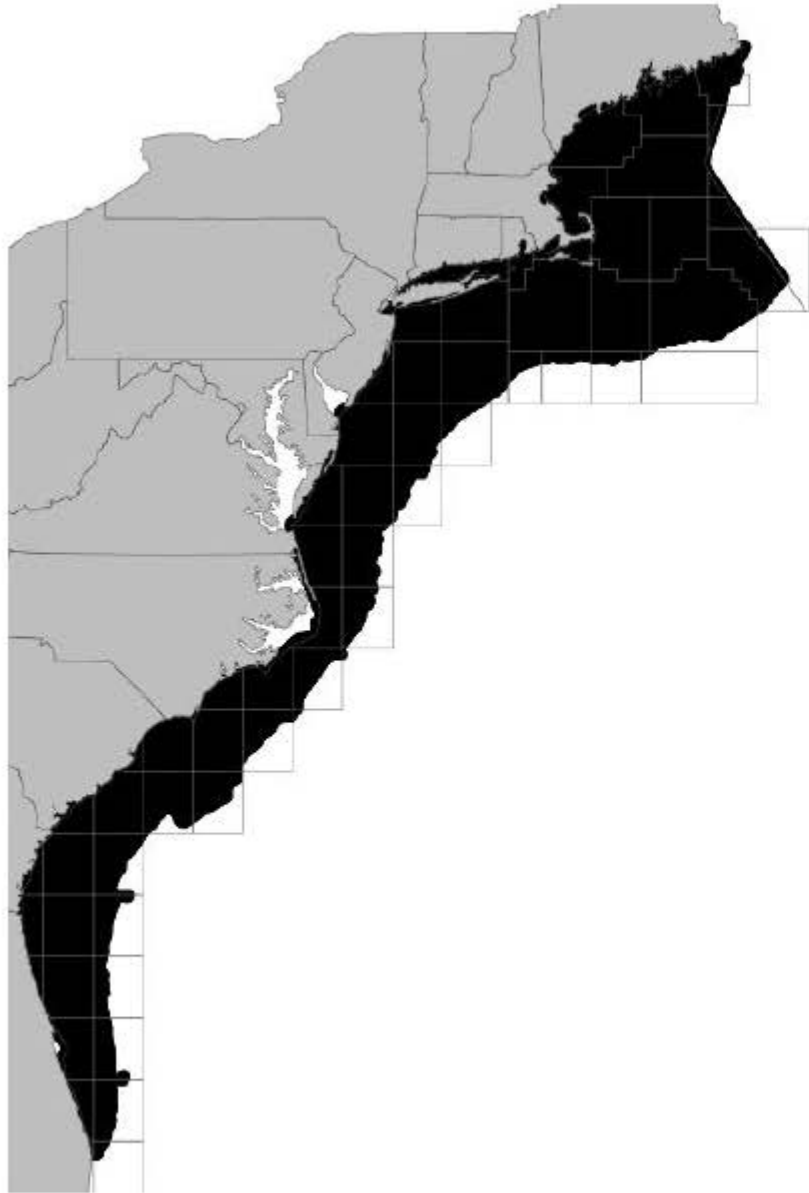


NOAA
FISHERIES

ALWTRT Phase 2 Package Request Results

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Part 2

Illustrative PBR Scenarios: Attempting to Reach 90% Risk Reduction

Illustrative PBR Scenarios: Attempting to Reach 90% Risk Reduction

- Phase 1 Summary
 - Recap of remaining risk after Phase 1
 - Post Phase 1 Baseline Hotspots vs Prioritized Rope maps
- Illustrative PBR Scenarios: Building on Phase 1 include a combination of:
 - Phase 1 + Coastwide Line Reduction, Weak Rope, Seasonal LMA Closures, Federal Fishery Closures
 - Provides a sense of scale (these are NOT proposed packages of measures)

Phase 1 Summary

| Measurement Type | PHASE 1: Management Measure | When | Where |
|----------------------|---|--------------|--|
| All Restricted Areas | LMA 1 Restricted Area | Oct 1-Jan 31 | |
| | Massachusetts Restricted Area | Feb 1-Apr 30 | |
| | South Island Restricted Area | Apr 1-Jun 30 | |
| | Great South Channel | Feb 1-Apr | |
| All Line Reduction | Minimum number of traps per buoy line or per trawl in LMA, distance from shore, or Zone | | Northeast* |
| All Weak Line | 1,700 lb weak insertion at 33% from top of the buoy line | | ME Zone A East, F, and G; federal waters 3–12 nm LMA 1 & OCC beyond 12 nm |
| | 1,700 lb weak insertion 50% from top of the buoy line | | ME Exempt Line–3 nm NH State Waters |
| | 1,700 lb weak insertion at 25% and 50% of the buoy line length from top OR top 50% of buoy line weak rope | | ME Zone A West, B, C, D, E; federal waters 3–12 nm MA and NH LMA 1, OCC; federal waters 3–12 nm |
| | 1,700 lb weak line for the top 75% of the buoy line. Bottom 25% can be higher strength. | | LMA 3 |
| | 1,700 lb weak insertions every 60 ft OR full weak line in top 75% of the line | | MA State Waters RI State Waters LMA2 |

*[Full summary of regulations for Northeast Lobster and Jonah Crab Trap/Pot Fisheries](https://www.fisheries.noaa.gov/takereduction2021). More information on Phase 1 available on the ALWTRP website - [fisheries.noaa.gov/takereduction2021](https://www.fisheries.noaa.gov/takereduction2021)



Phase 1 Risk Reduction Summary

| PHASE 1: Management Measure | When | Where | Relative to NE Lobster & Jonah crab | | Relative to All Fisheries | |
|---|--------------|--|-------------------------------------|--------|---------------------------|--------|
| | | | Co-Occurrence % | Risk % | Co-Occurrence % | Risk % |
| LMA 1 Restricted Area | Oct 1-Jan 31 | | 46% | 50% | 43% | 46% |
| Massachusetts Restricted Area | Feb 1-Apr 30 | | | | | |
| South Island Restricted Area | Apr 1-Jun 30 | | | | | |
| Great South Channel | Feb 1-Apr | | | | | |
| Minimum number of traps per buoy line or per trawl in LMA | | Northeast* | | | | |
| 1,700 lb weak insertion at 33% from top of the buoy line | | ME Zone A East, F, and G; federal waters 3–12 nm LMA 1 & OCC beyond 12 nm | | | | |
| 1,700 lb weak insertion 50% from top of the buoy line | | ME Exempt Line–3 nm NH State Waters | | | | |
| 1,700 lb weak insertion at 25% and 50% of the buoy line length from top OR top 50% of buoy line weak rope | | ME Zone A West, B, C, D, E; federal waters 3–12 nm MA and NH LMA 1, OCC; federal waters 3–12 nm | | | | |
| 1,700 lb weak line for the top 75% of the buoy line. Bottom 25% can be higher strength. | | LMA 3 | | | | |
| 1,700 lb weak insertions every 60 ft OR full weak line in top 75% of the line | | MA State Waters RI State Waters LMA2 | | | | |

*[Full summary of regulations for Northeast Lobster and Jonah Crab Trap/Pot Fisheries](#). More information on Phase 1 available on the ALWTRP website - fisheries.noaa.gov/takereduction2021



Illustrative PBR Scenarios: Building on Phase 1

- Examples to demonstrate the scale of measures that could reach 90% risk reduction needed to reduce right whale mortality and serious injury to a level below PBR
- These are **NOT** proposed packages of measures

Scenario 1



Scenario 2



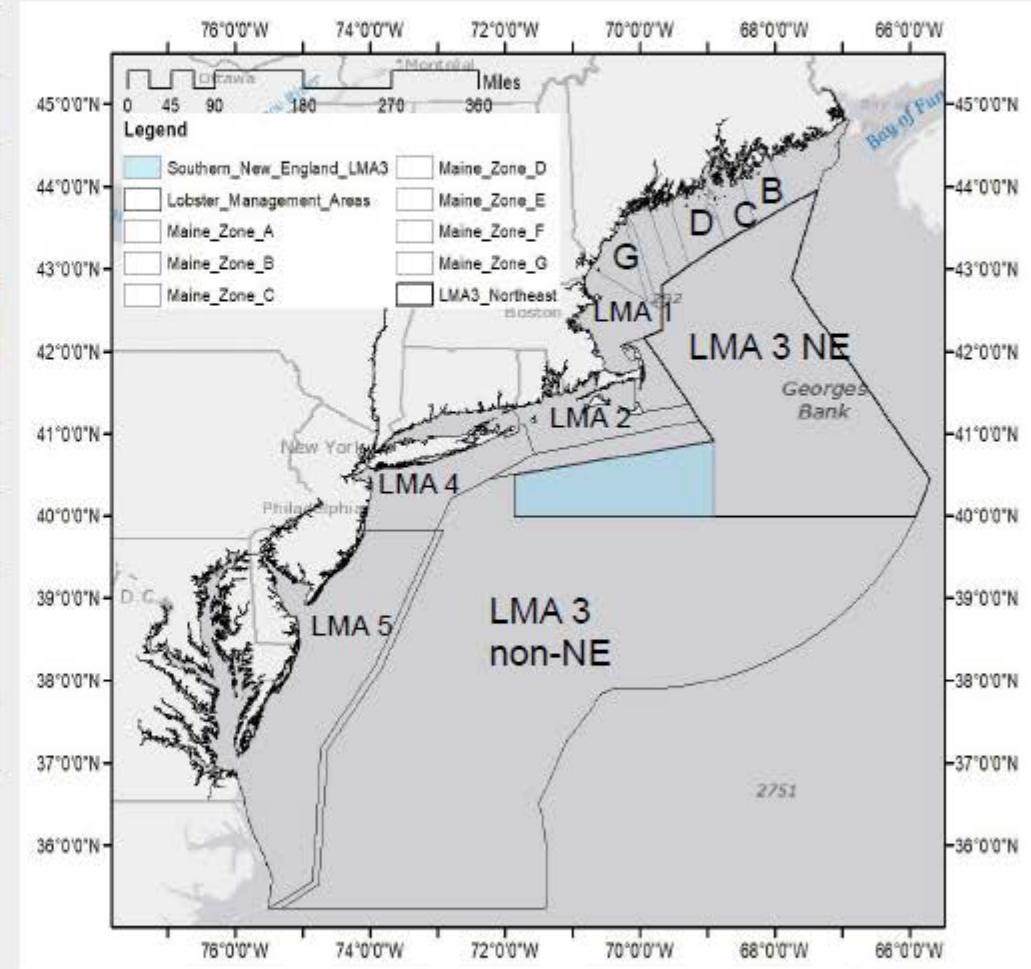
Phase 1 + Line Reduction + Weak Rope

| Measure Type | Fishery | Management Measure | When | Co-occurrence % | Risk % |
|---------------------------|---------------|---|---------------|-----------------|--------|
| PHASE 1 Measures + | | | | | |
| Line Reduction | All Fisheries | 50% lines reduction: GOM, SNE, MATL | Year round | 72% | 78% |
| | Gillnet | 100% line reduction in Massachusetts State Waters | Jan 1 -May 31 | | |
| Weak Rope | All Fisheries | 1,700 lb buoy line (75% weak) in waters 0-12 nmi 1,700 lb buoy line (33% weak) in waters over 12 nmi: GOM, SNE, MATL | Year round | | |
| | All Fisheries | 1,700 lb full weak line in the Southeast, outside of Florida state waters | Nov 1-Apr 30 | | |
| | All Fisheries | 1,500 lb full weak line in Florida state waters | Nov 1-Apr 30 | | |

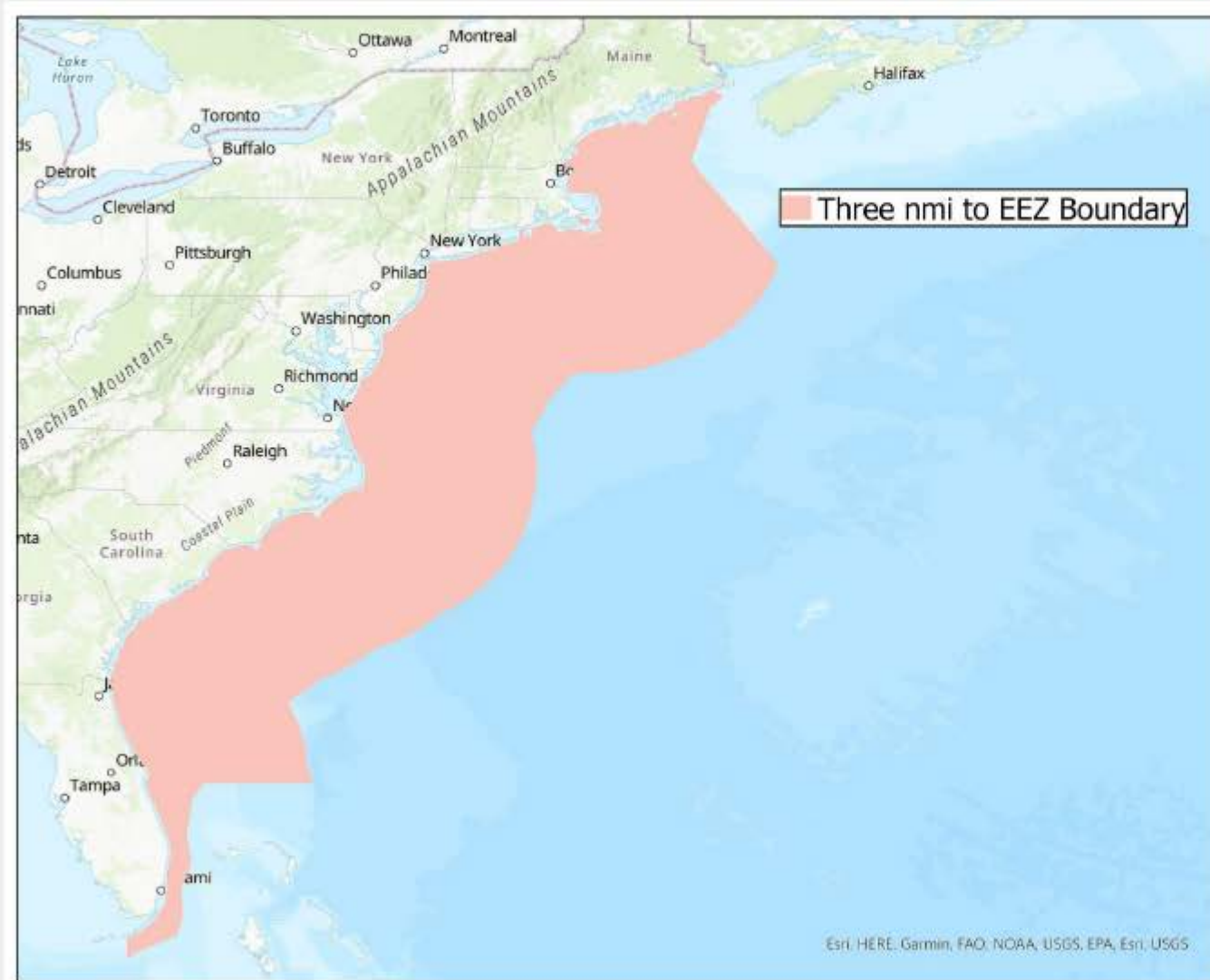
Phase 1 + Line Reduction and Weak Rope + Seasonal LMA Closures

| LMA | Zone/Area | Months | | | | | | | | | | | |
|------------------------|-----------------------|--------|---|---|---|---|---|---|---|---|---|---|---|
| | | J | F | M | A | M | J | J | A | S | O | N | D |
| LMA 1 | MA | ■ | ■ | ■ | ■ | ■ | | | | | | | |
| | ME: A, B fed | | | | | | ■ | ■ | | | | | |
| | ME: C, D, E fed | ■ | | | | | | | | | ■ | ■ | ■ |
| | ME: F, G fed | | ■ | ■ | ■ | ■ | | | | | | | |
| LMA 2, 2/3, Outer Cape | | ■ | ■ | ■ | ■ | ■ | | | | | | | |
| LMA 3 | Northeast | | | | | | ■ | ■ | ■ | | | | |
| | + SNE Restricted Area | ■ | ■ | ■ | ■ | ■ | | | | | | | |
| LMA 4 & 5 | | ■ | ■ | ■ | ■ | | | | | | | | |

Co-occurrence Reduction: 86%
Risk Reduction: 89%



Phase 1 + Line Reduction + Weak Rope + Federal Fishery Closure



Co-occurrence Reduction: 89%
Risk Reduction: 94%

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, Esri, USGS



The number of potentially affected vessels and landing value

| LMA | Zone/Area | Season | Affected vessels within zone | Total vessels within zone | % of vessels affected | Recent avge landings in area/season | Recent annual landings | % landed during restricted area/season |
|-----------------|---------------------|----------|------------------------------|---------------------------|-----------------------|-------------------------------------|------------------------|--|
| LMA 1 | MA | Jan- May | 156 | 416 | 38% | \$3,283,549 | \$54,623,534 | 6% |
| | ME*: A,B fed | Jun-Jul | 925 | 1,471 | 63% | \$10,525,418 | \$75,371,893 | 14% |
| | ME*: C,D,E fed | Oct-Jan | 1,607 | 1,845 | 87% | \$41,013,887 | \$81,791,794 | 50% |
| | ME*: F,G fed | Feb-May | 377 | 725 | 52% | \$5,997,169 | \$21,694,125 | 28% |
| LMA 2, 2 / 3 | | Jan- May | 51 | 105 | 49% | \$668,476 | \$3,960,160 | 17% |
| OCC | | Jan- May | 11 | 35 | 31% | \$28,513 | \$3,867,493 | 1% |
| LMA 3 | Northeast | Jun-Aug | 22 | 25 | 88% | \$12,422,553 | \$39,087,267 | 32% |
| | SNE Restricted Area | Jan- May | 24 | 33 | 73% | \$4,980,059 | \$21,488,175 | 23% |
| LMA 4 & 5 | | Jan-Apr | 11 | 35 | 31% | \$175,658 | \$2,423,746 | 7% |

* Closure would not apply to Maine exempt waters. Not all state waters are exempt, but given data available, this estimate excludes state effort as a proxy for exempt waters

Note: all data are from ACCSP 2021 dealer report except for Maine data, which are from state dealer report of 2017. All values are in 2021 U.S. dollars

