

Note the discrepancy between sleeves and 1700 lb rope – although we think they are equivalent, the sleeves provide a 43% reduction everywhere and the 1700 lb rope gets you only 31% reduction everywhere.

Region wide: Revisit need for weak link if weak lines are required.

ME: LMA1

50% VL reduction

$\frac{3}{4}$ toppers on all gear outside of 3 miles = 0.75 (weak rope) x 0.31 (1700lb rope reduction) X 0.50 (50% VL reduction) = 11.6% + 50% VL reduction = 61.5% reduction

Caution re. need to consider unintended consequences; develop best practices to avoid issues such as increasing rope diam/strength.

For all – safety exemption for young fishermen, nearshore, shallow waters – the Dwight exemption.

MA: LMA1

30% VL reduction

Sleeves or their equivalent everywhere (11% risk reduction)

24% credit for the MA Bay closure (per Burton's calculations)

Eliminate the vertical reduction for the fishermen closed out of MBRA (ca 100 fishermen out of 500

LMA1 MA fishermen, or 20% , an increase in risk across MA of 5%

$24\% \text{ (closure credit)} + 30\% \text{ (VL reduction)} + 11\% \text{ (sleeves or equivalent everywhere)} = 65\% - 5\% = 60\%$
(the 5% is an exemption for VL reduction for closed out fishermen)

(Note, some of the source data for this calculation needs confirming)

RI: (LMA 2) Indications are that they will reduce endlines by 18% in the next three years. Willing to use 1700lb sleeves or equivalent everywhere – with credit for 18% endline reduction, plus 43% sleeve reduction or equivalent, reaches approximately 60% reduction 30% from current numbers.

RI offers amendment: trawl up from 20 to 30 pots in 2/3 overlap as a component of their 30% line reduction

NH: (LMA1) General agreement of 30% VL reduction and 1700lb or sleeves throughout fishery in LMA1. Reaches 58.5% risk reduction.

Offshore/ LMA3: Needs rapid research program to address risk reduction efforts efforts, fishermen in principal agree to reducing risk through a combination of VL reduction (underway) and other measures. Through 50 fathoms depth, 1700 lb breaking strength or equivalent ; work with industry to identify the specifics of how practical, for presentation to Team.. Five year rapid research commitment related to lower weight breaking strength and other risk reduction measures. Calculate ongoing Area 3 risk reduction of 18%, 2018 – 2020. Goal: responsible like other LMAs for meeting the 60% risk reduction

General recommendations:

Re-do poll using expert elicitation methods to converge on better severity/risk reduction estimates.

Address uncertainty vs. published data.

Develop monitoring plan, including whale surveys, gear surveys to monitor efficacy over time. Monitor evolution of implementation (fishermen, fisheries, innovations that can be encompassed).

