

## Alternative projections for

 2019 (last year) adjusted U26 discard mortality in non-directed fisheriesAgenda item 6.4 IPHC-2019-IM095-12

## Purpose

As requested by the Commission, provide a method of mitigating the effects of U26 discard mortality in non-directed fisheries in Alaska on IPHC Regulatory Area 2B

## Method

1. Solve for Interim management procedure (including the AM095 adjusted 2A and 2B measures)
2. Remove all U26 non-directed discards in AK
3. Recalculate TCEYs at reference SPR
4. Compare to (1) to find yield gain in 2 B
5. Add yield gain in 2B to (1) and recalculate AK TCEYs to again achieve the reference SPR

## Example application to 2019 (last year)

|  | 2A | $\underline{2 B}$ | $\underline{2 C}$ | 3A |  | 3B |  | 4A | 4B |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4CDE | Total |  |  |  |  |  |  |  |  |  |
| Base | 1.65 | 6.83 | 6.34 | 13.50 | 2.90 | 1.94 | 1.45 | 4.00 | 38.61 |  |
| $\%$ | $4.3 \%$ | $17.7 \%$ | $16.4 \%$ | $35.0 \%$ | $7.5 \%$ | $5.0 \%$ | $3.8 \%$ | $10.4 \%$ | $100.0 \%$ |  |

Adopted TCEYs for 2019
IPHC-2019-IM095-12 Table 1

## Recommendations

That the Commission:

- NOTE paper IPHC-2019-IM095-12 which provides an alternative approach for accounting for U26 discard mortality in non-directed fisheries, as requested by the Commission.
- REQUEST this or another method to be applied as a basis for the mortality projection tool for use in the decision making process at AM096.


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