NSEI Sablefish Fishery and Survey Data Review

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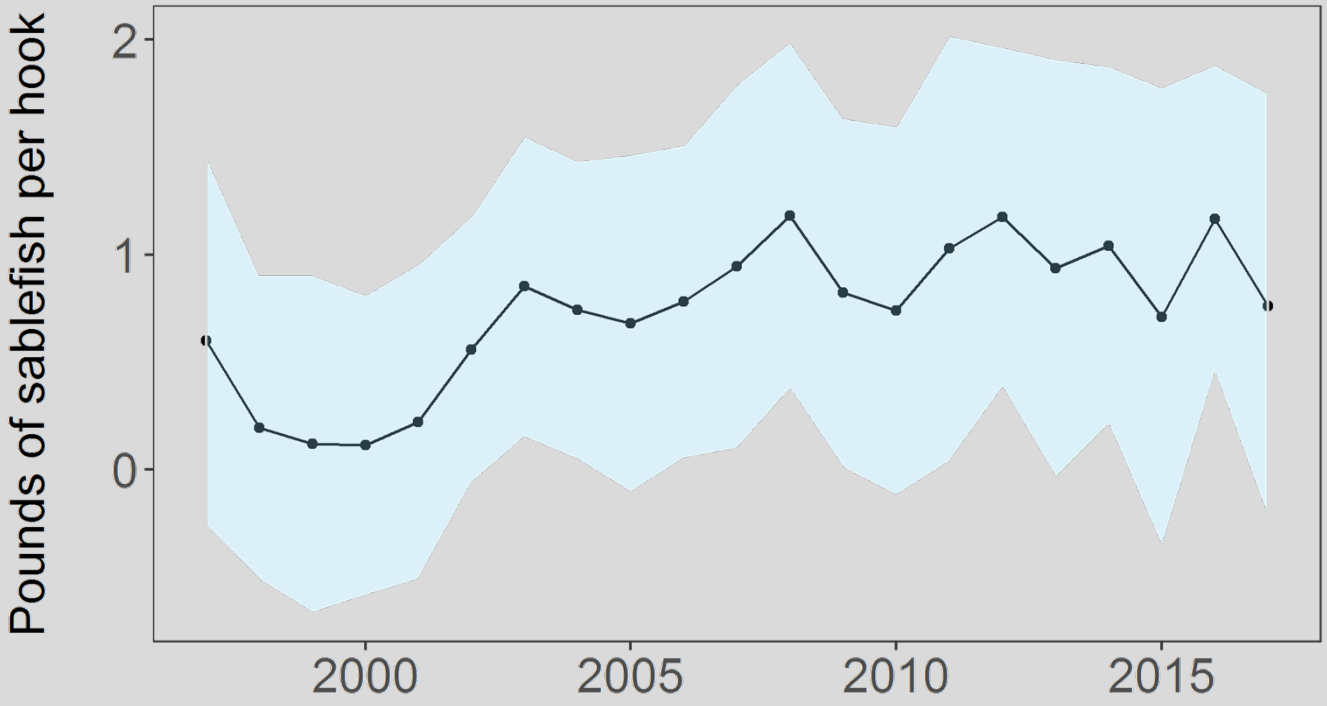
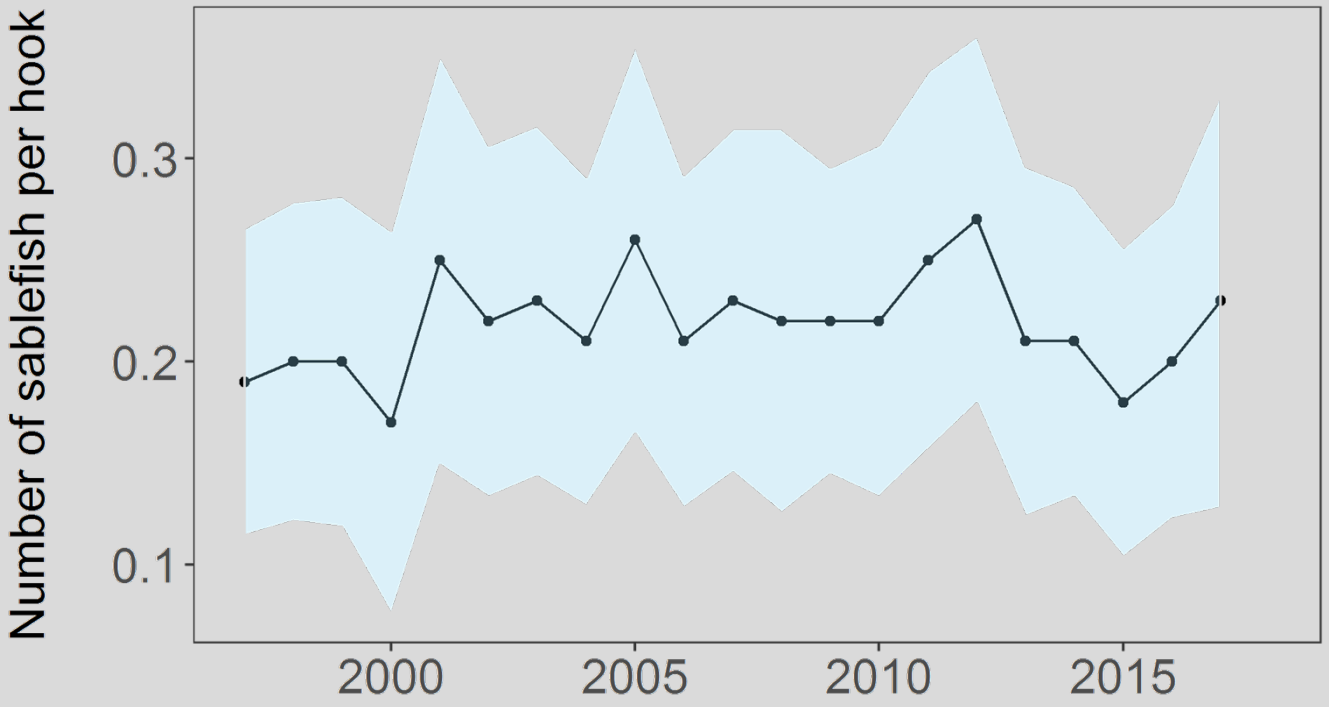
Sablefish Industry Meeting
March 7, 2018

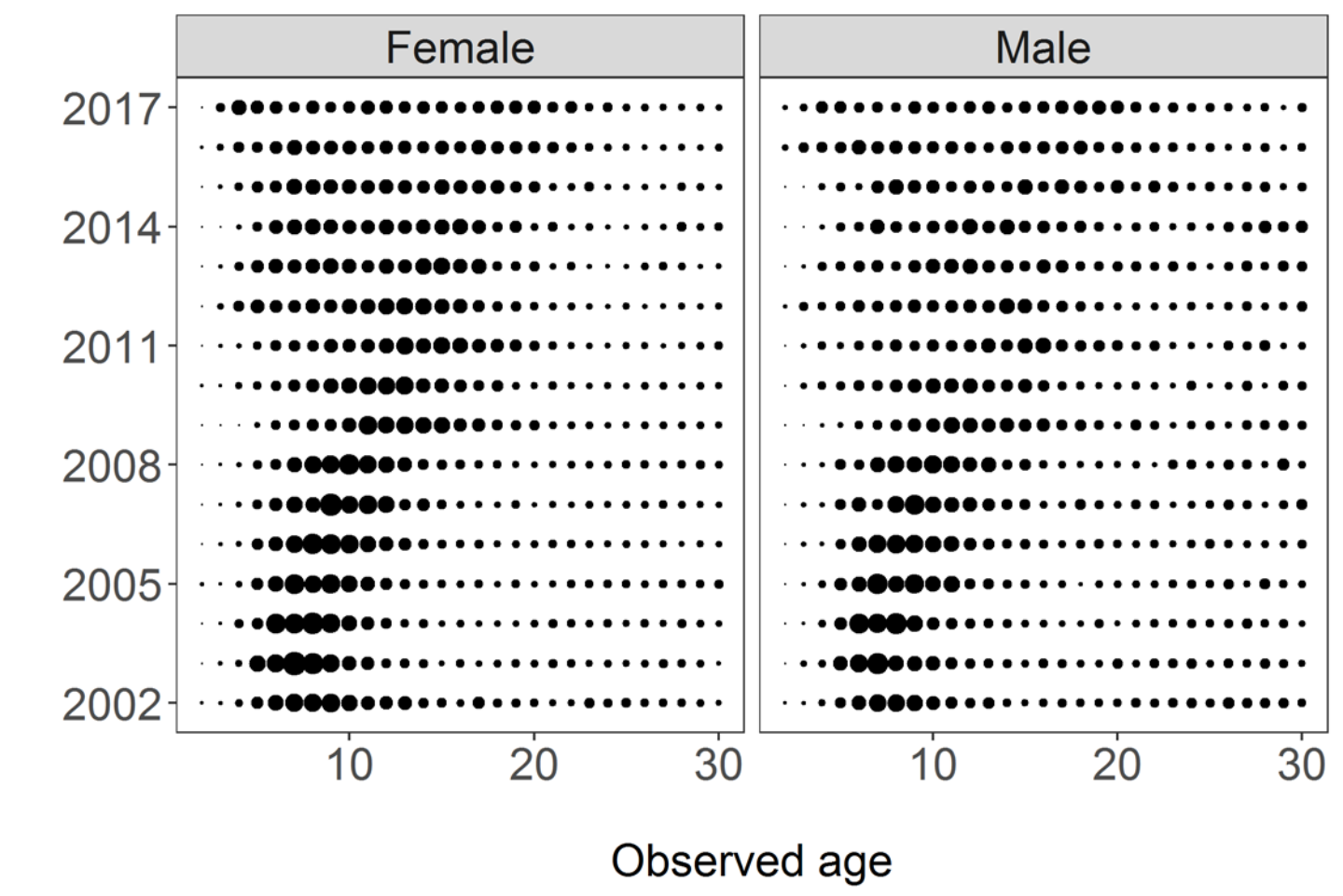
Fishery performance



Survey performance (numbers)

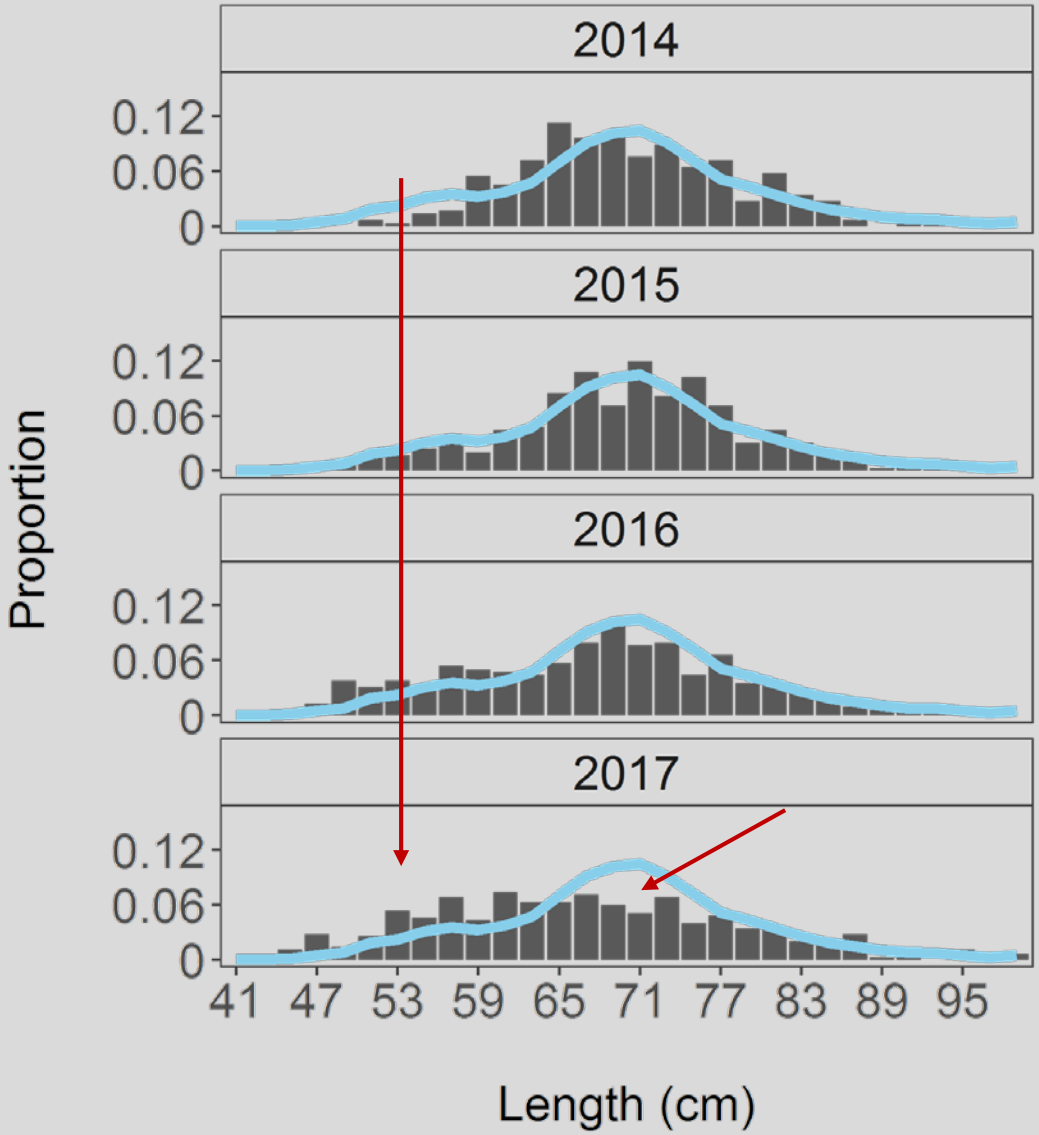


Age structure (fishery)

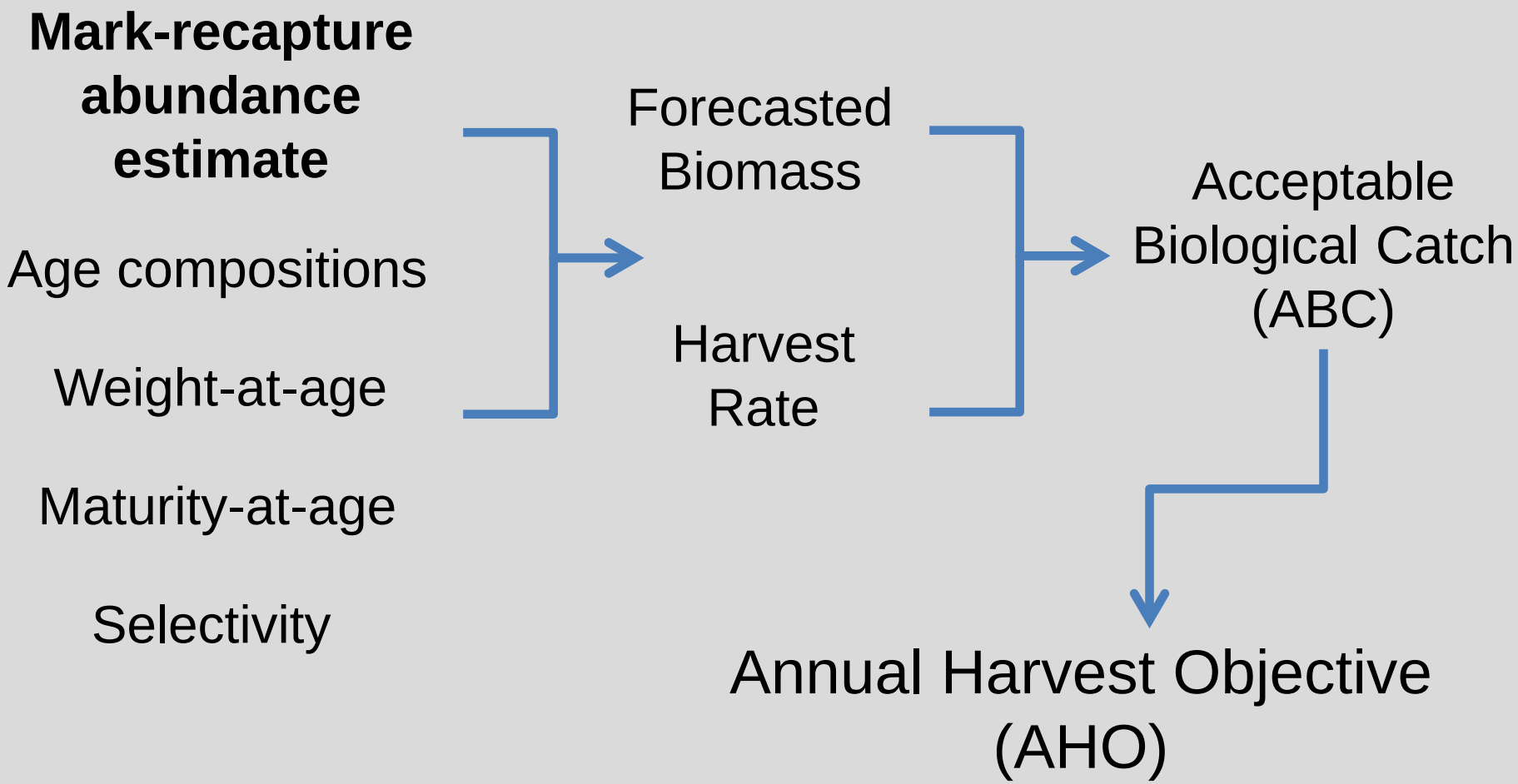


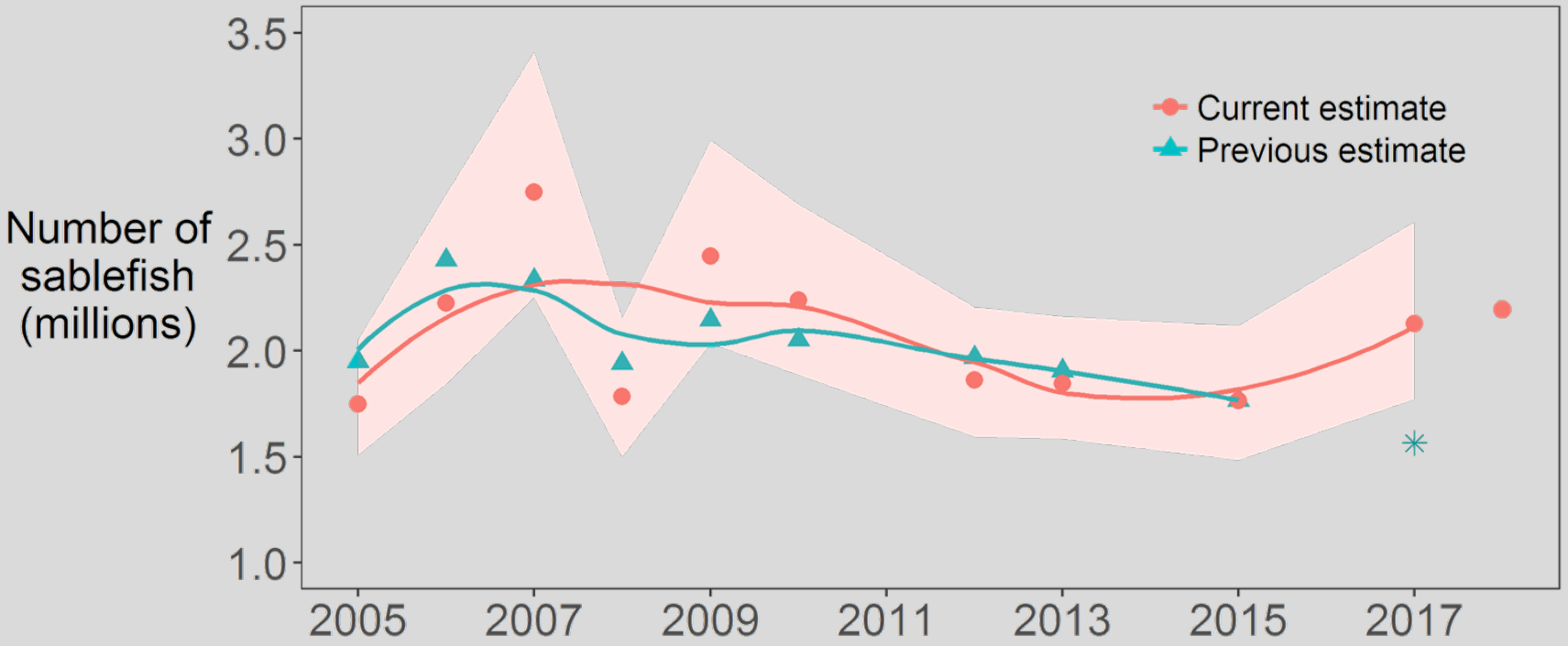
Age structure (survey)

Length structure (females in survey)



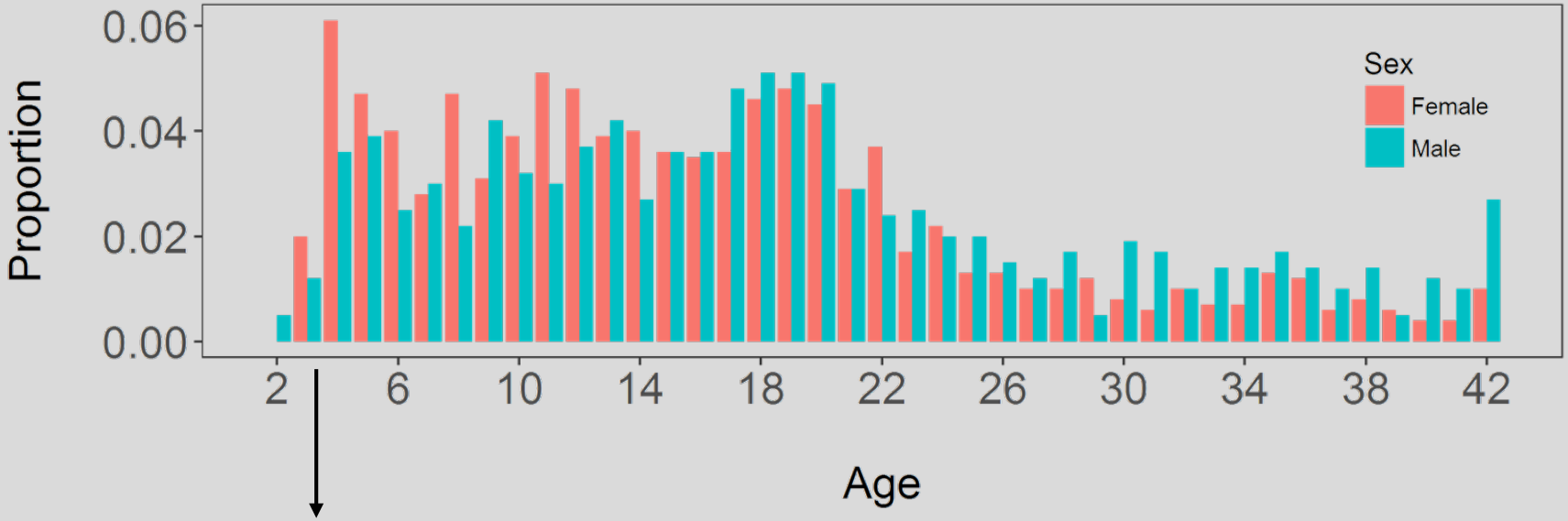
Current Methods
Abundance-based management



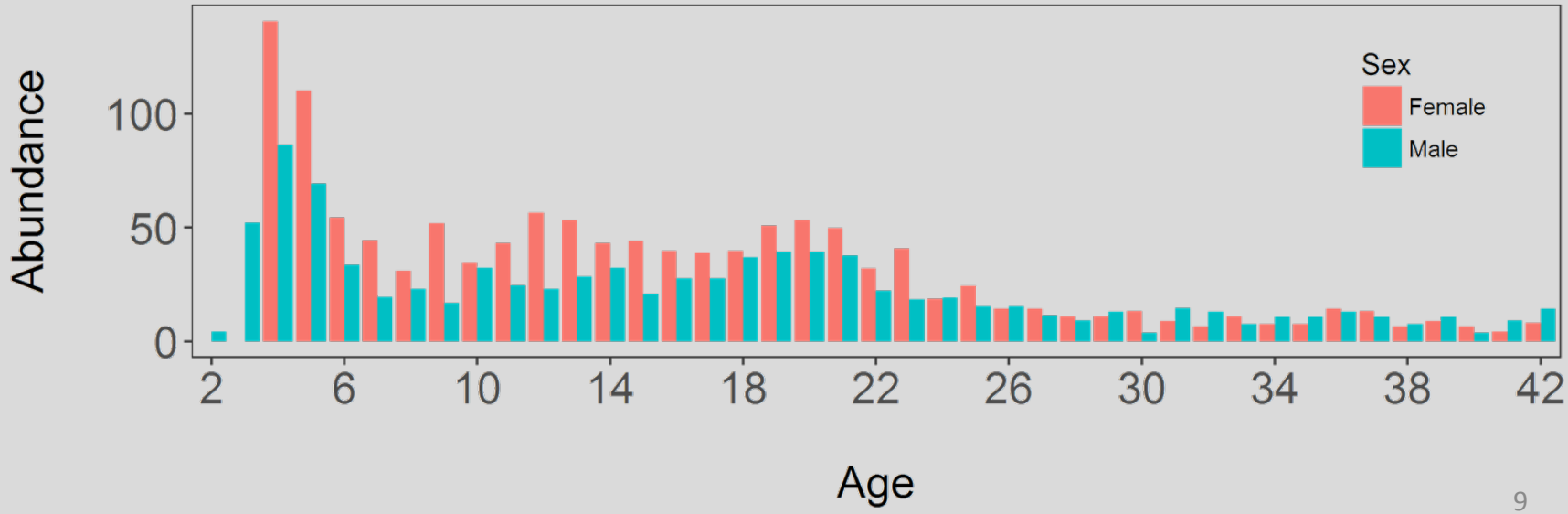


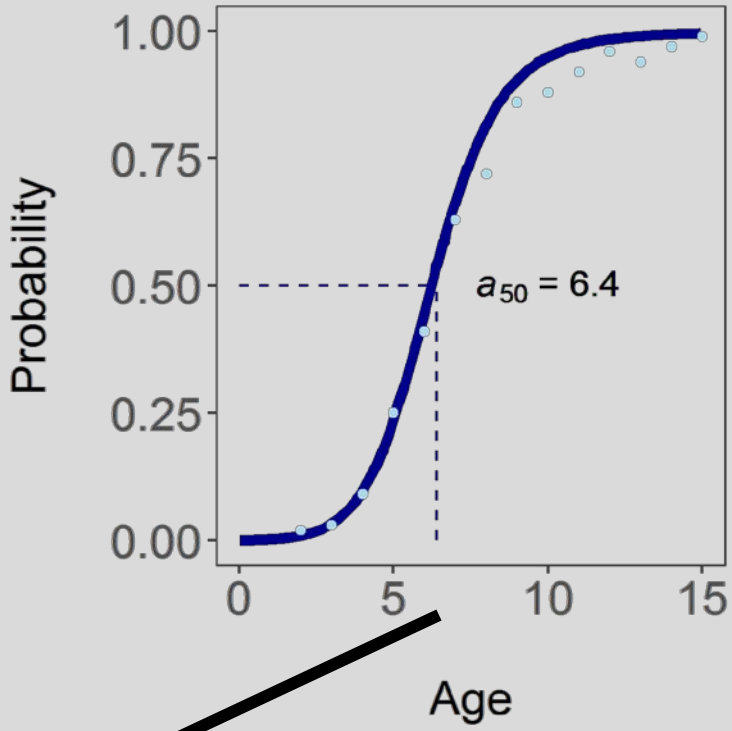
Preliminary results show increasing trends in abundance in 2018

2017 age/sex composition from fishery

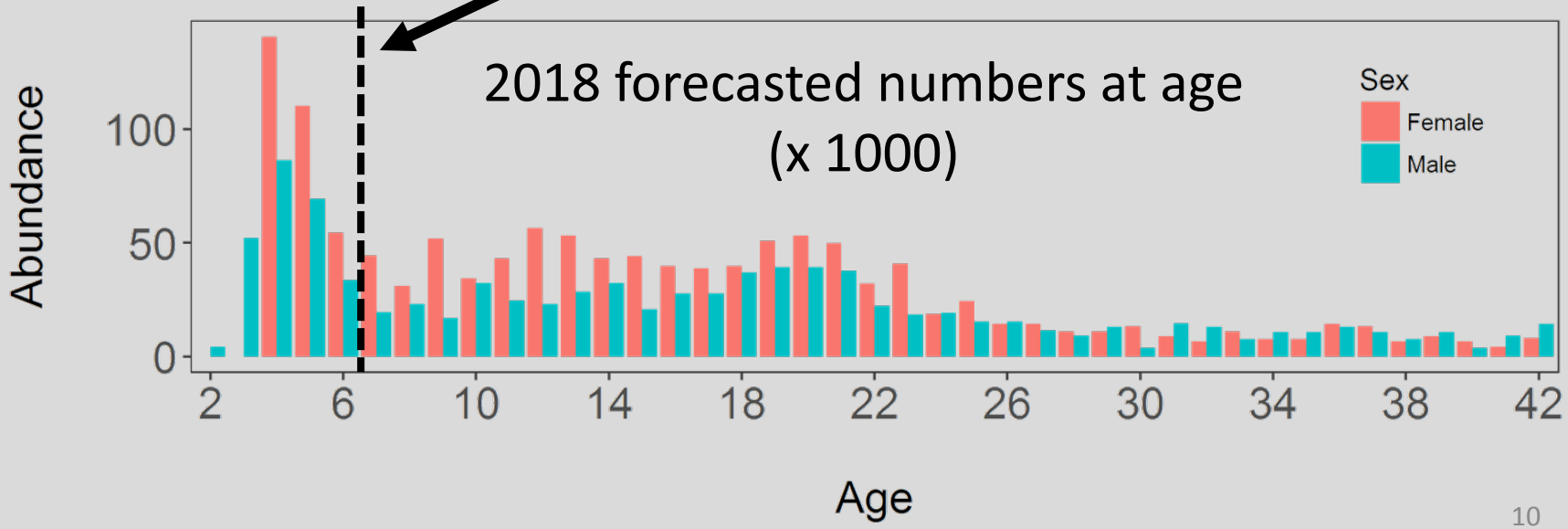


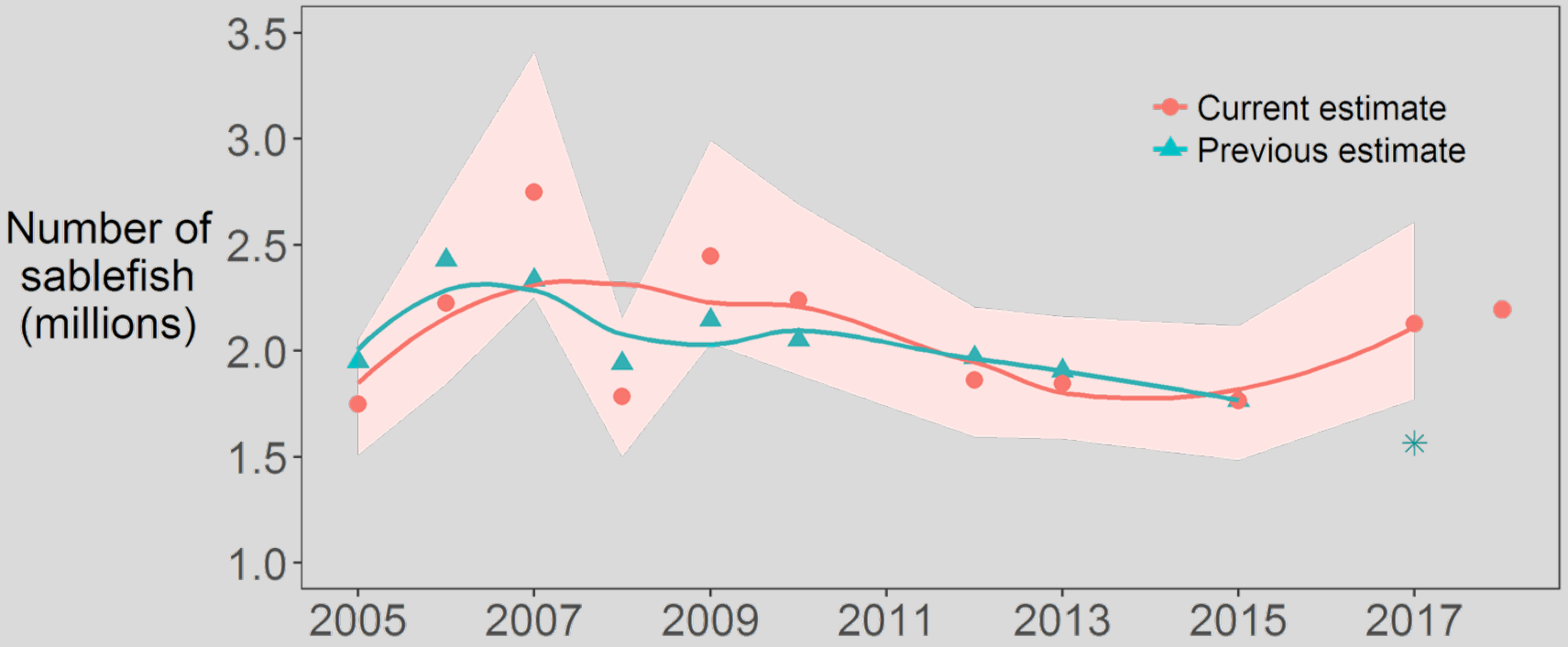
2018 forecasted numbers at age (x 1000)





Probability of being mature is < 25% for ages 4 and 5



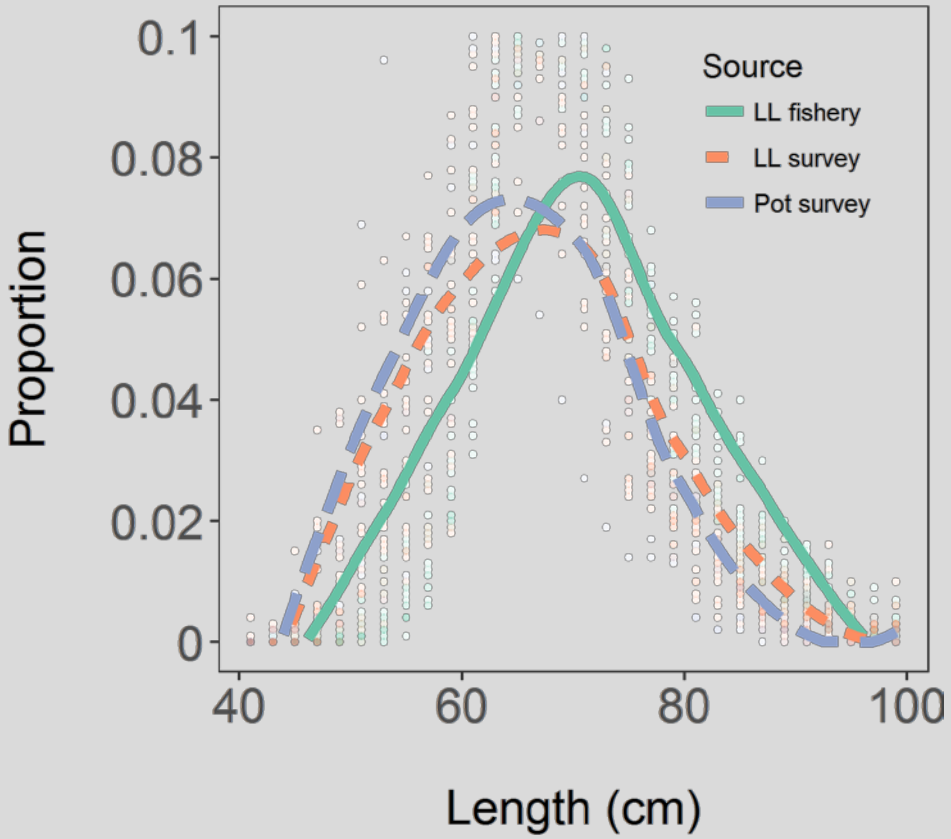


2018 preliminary forecast of exploited biomass with $F_{50\%}$ target harvest rate:

Expect a 10-15% increase from 2017

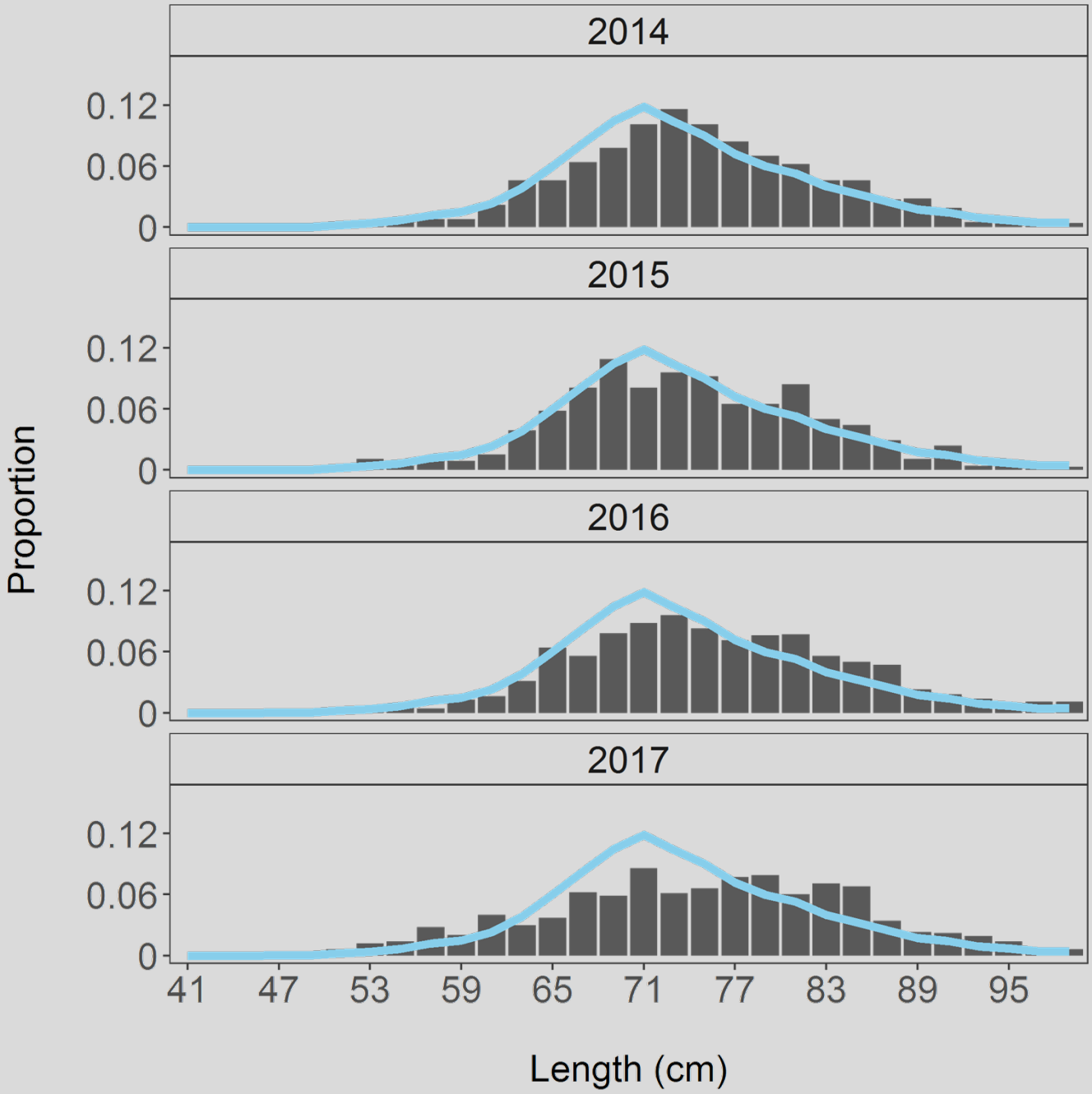
Next steps

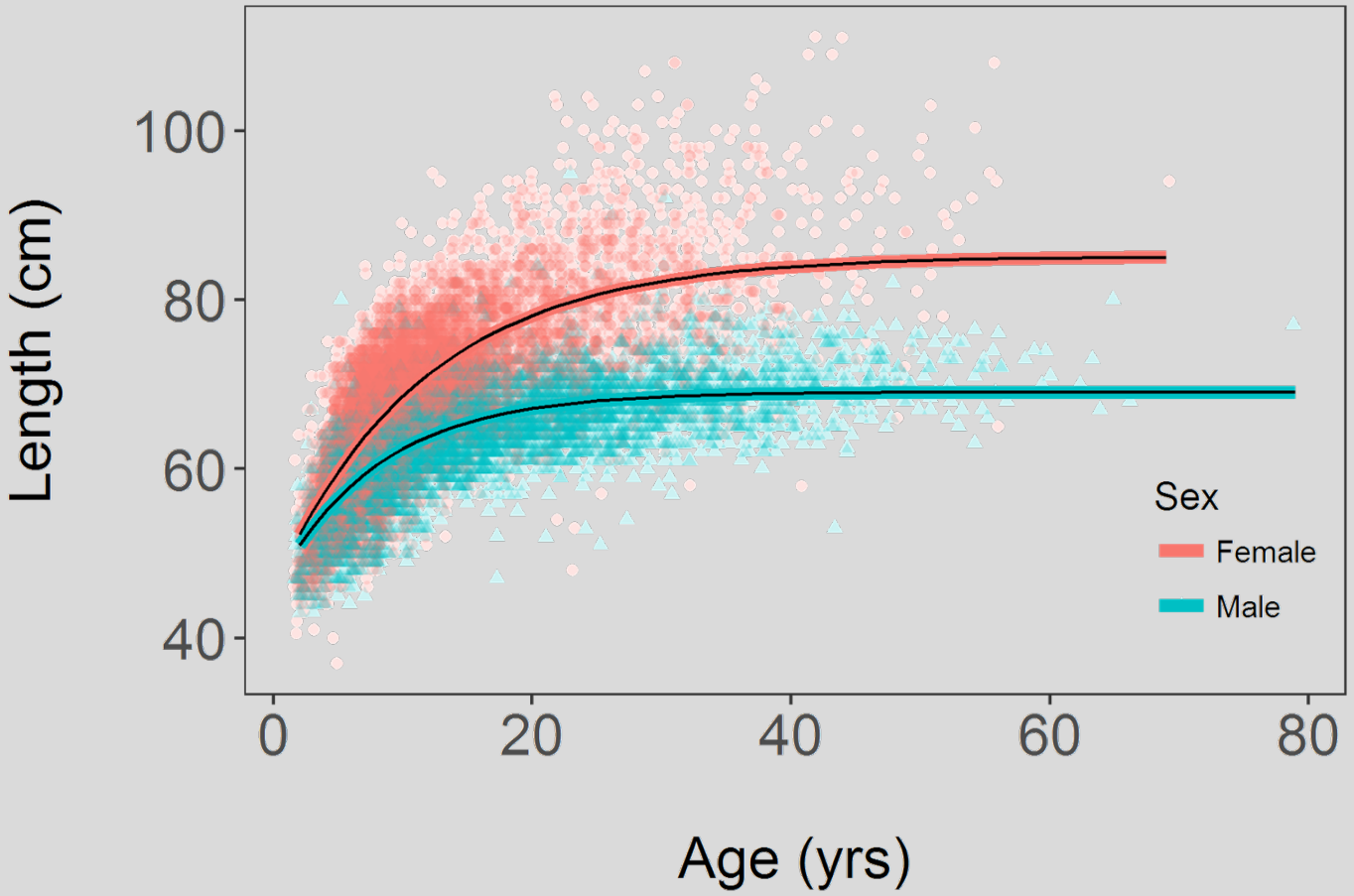
- Account for size differences in pot survey and fishery *(tagged vs. recaptured)*
- CPUE in fishery
- Immigration

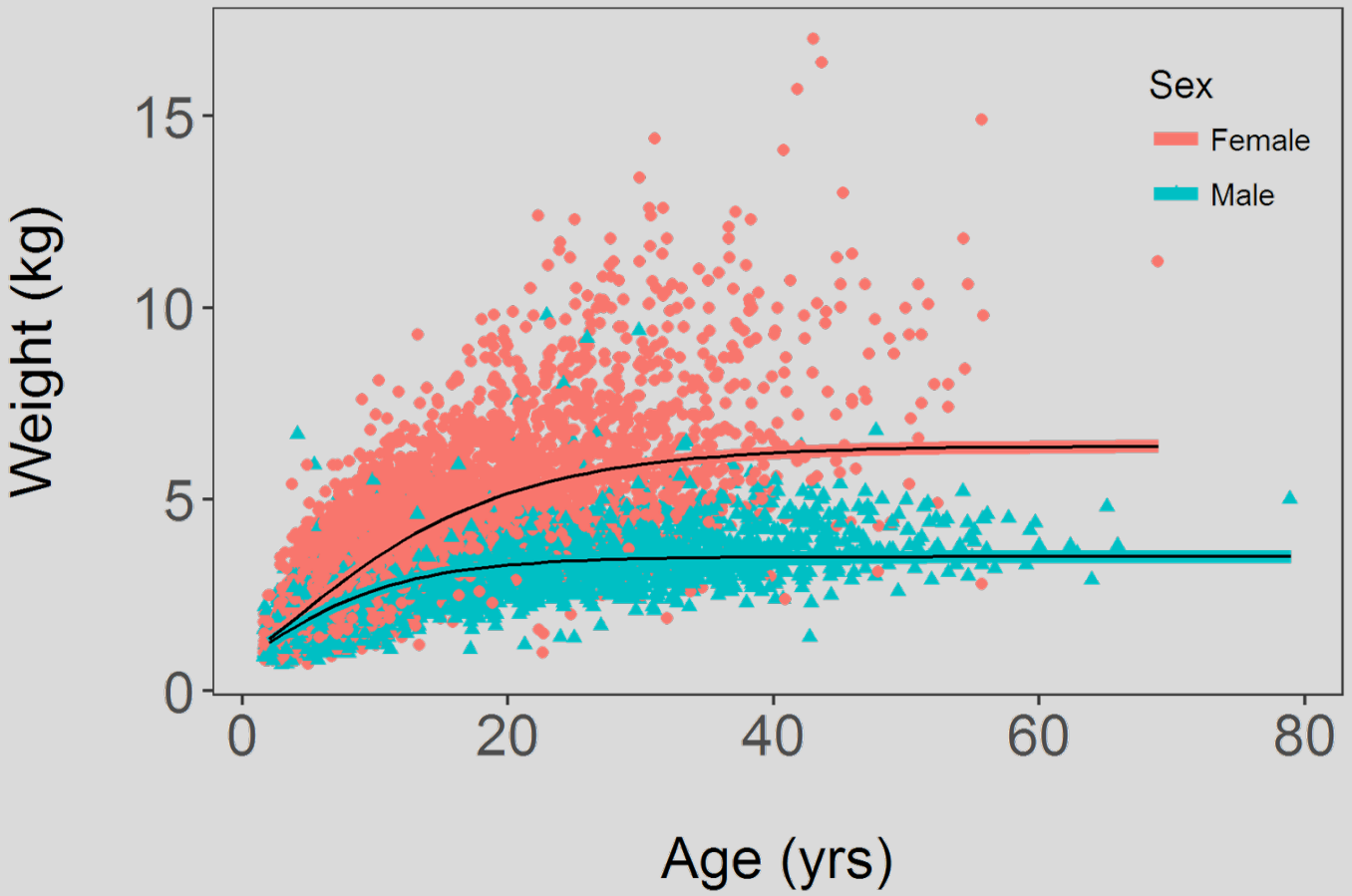


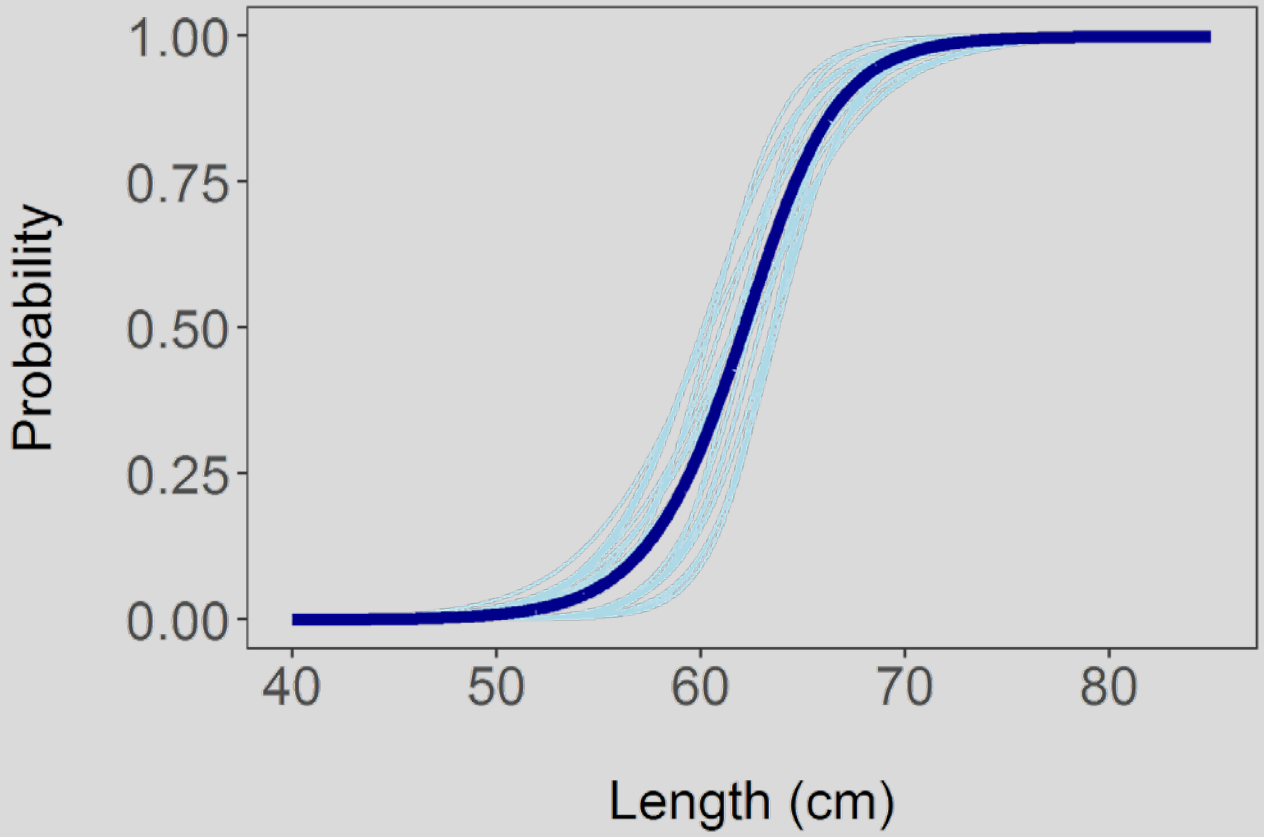
Questions

Contact: jane.sullivan1@alaska.gov


2014
2015
2016
2017
0.12
0.06
0
Proportion
41
47
53
59
65
71
77
83
89
95
Length (cm)


Length (cm)
100
80
60
40
0
20
40
60
80
Age (yrs)
Sex
Female
Male


Sex
Female
Male
Weight (kg)
0
5
10
15
0
20
40
60
80
Age (yrs)


1.00
0.75
0.50
0.25
0.00
Probability
40
50
60
70
80
Length (cm)