



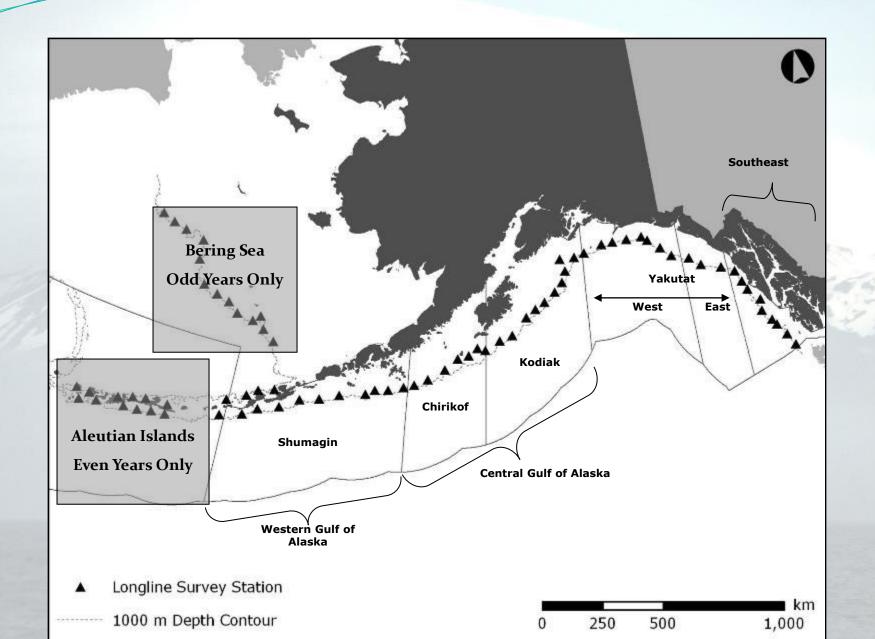




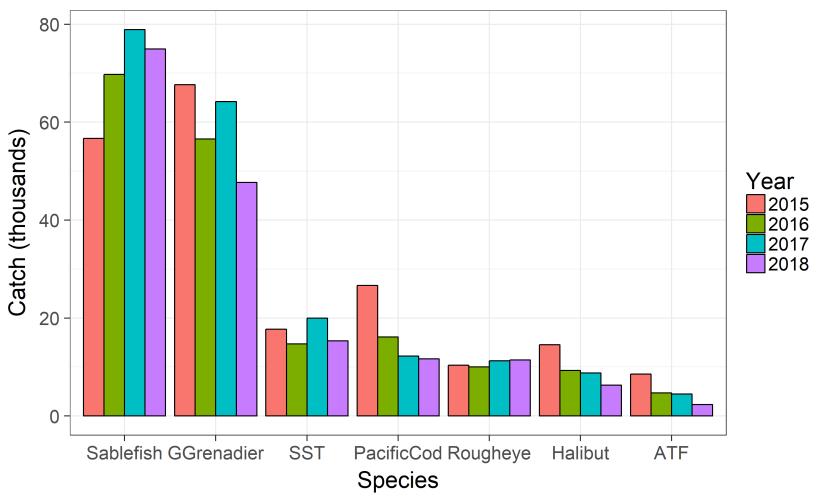
30,000 ft Plan Team Update

- Whale Interactions
- 2018 Relative Population Numbers (RPNs)
- 2018 Lengths
- Survey observations
- Data uploaded to AKFIN

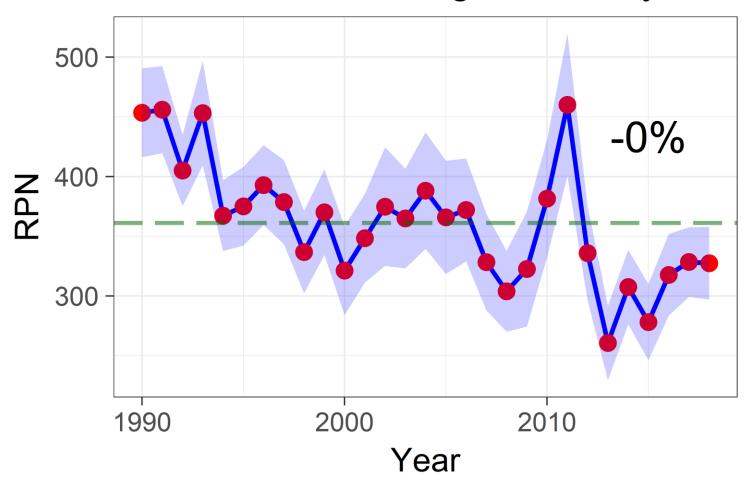
Survey Geographic Coverage

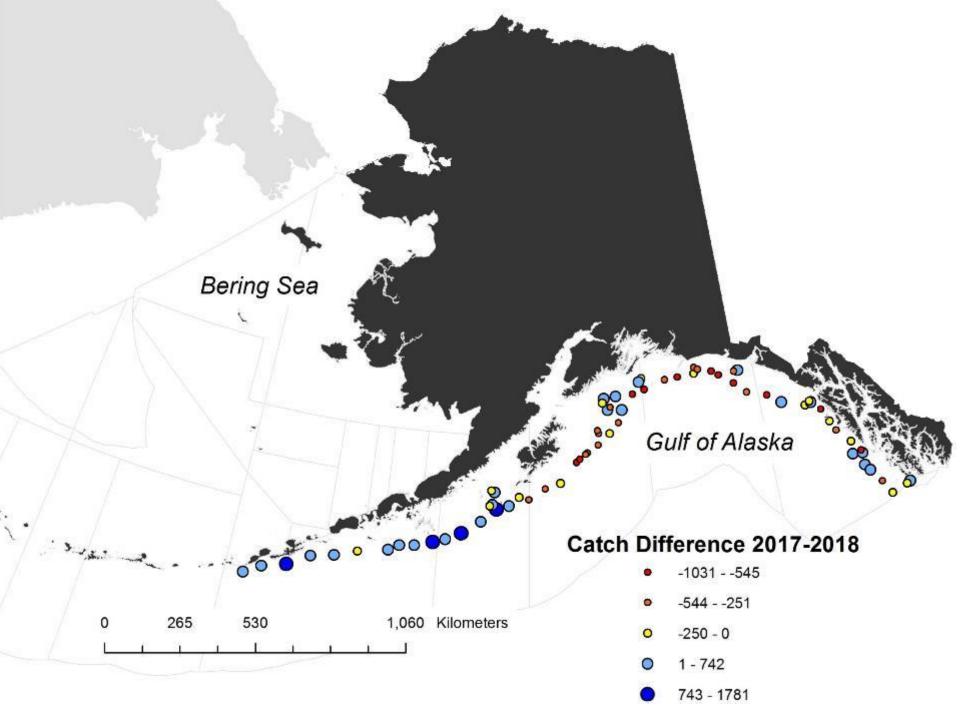


Recent raw catches by species

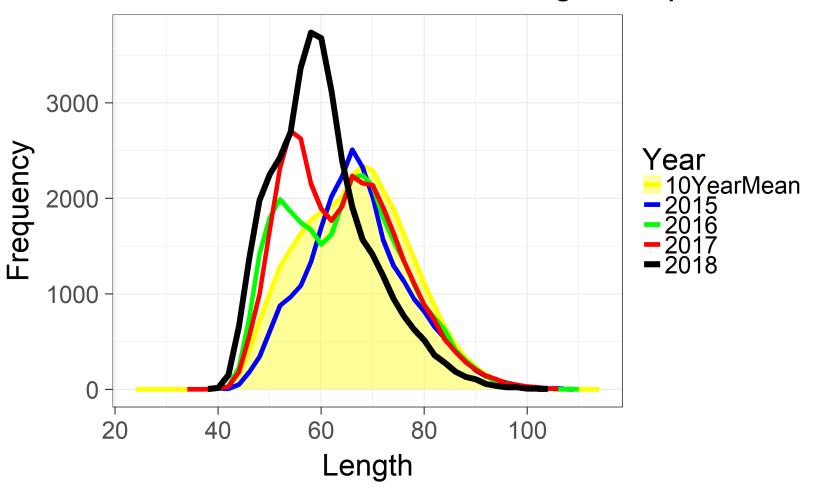


GOA Sablefish longline survey RPN

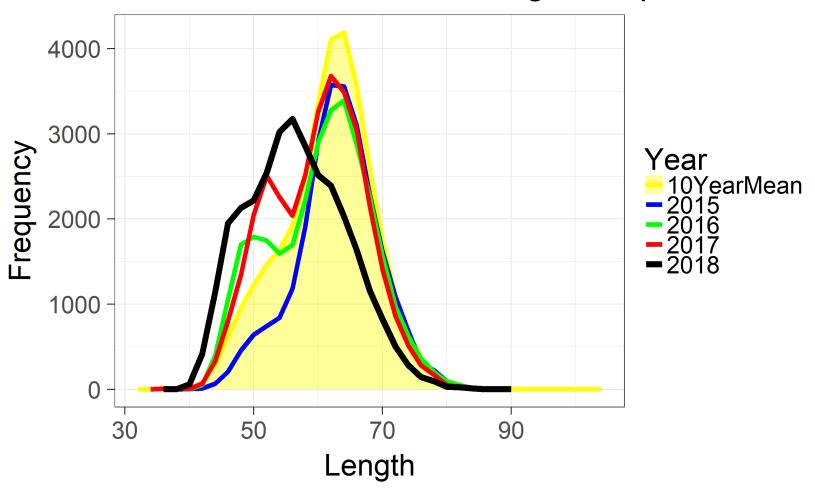




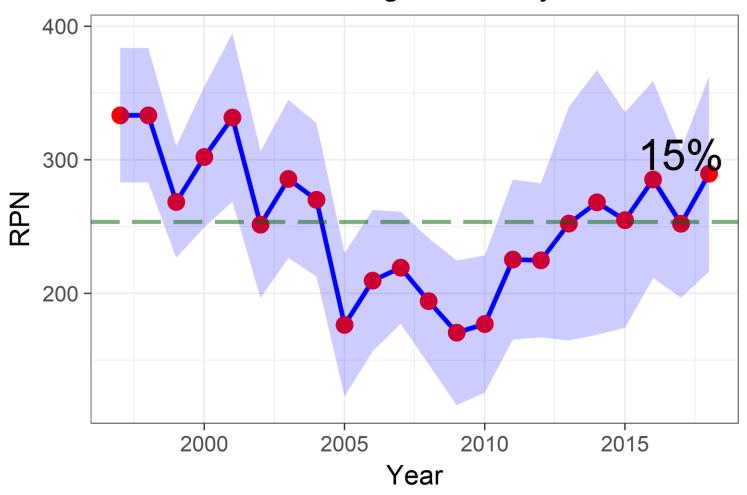
Recent female sablefish length frequencies



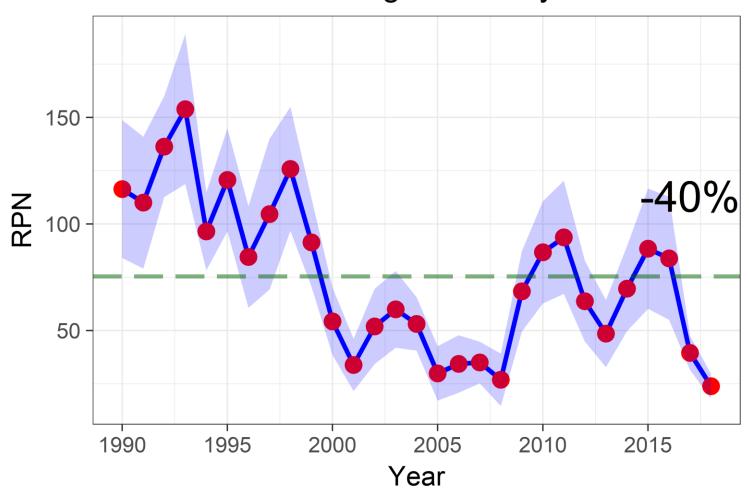
Recent male sablefish length frequencies



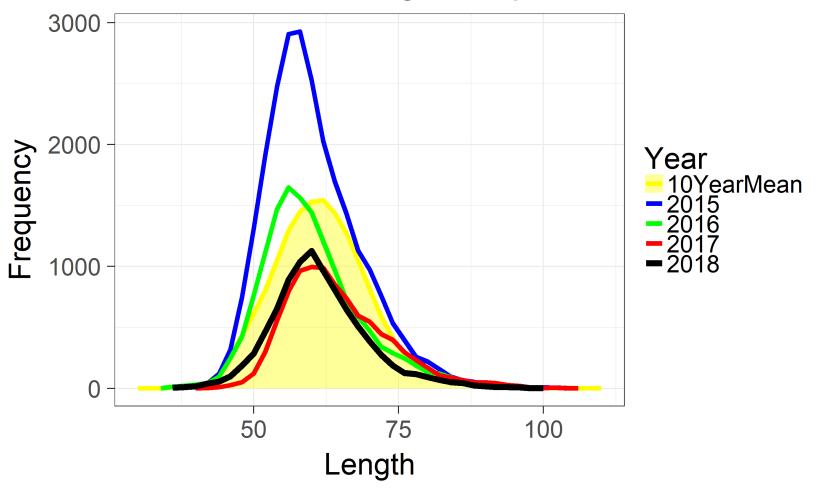
BSAI Pacific cod longline survey RPNs



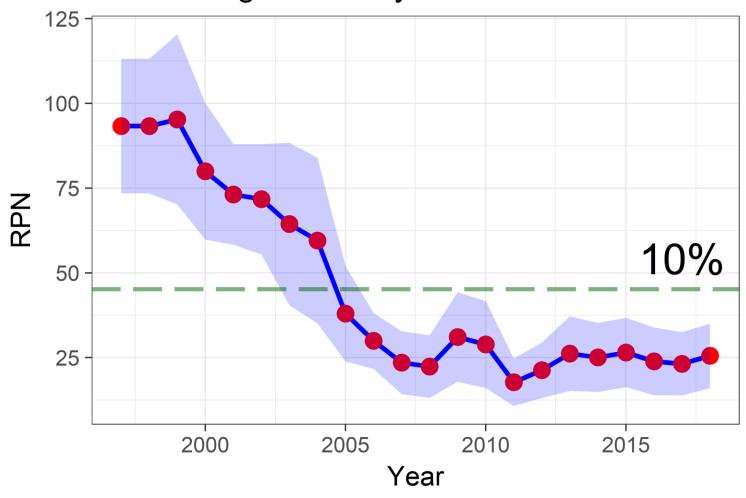
GOA Pacific cod longline survey RPNs



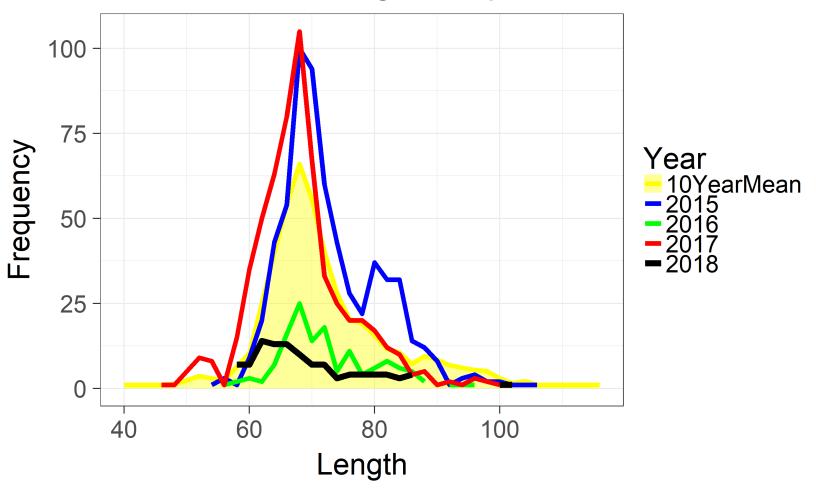
Recent P. cod length frequencies



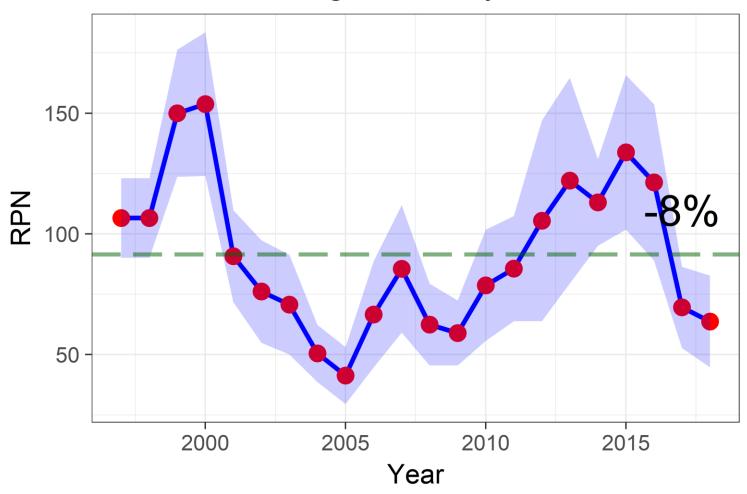
Turbot longline survey RPNs



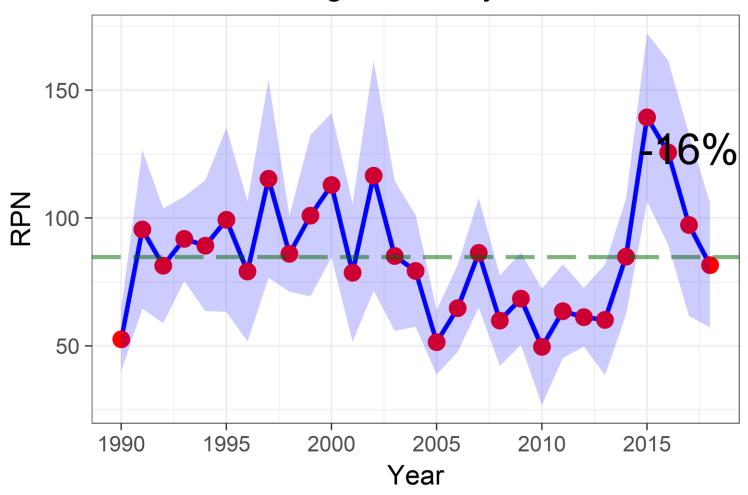
Recent turbot length frequencies



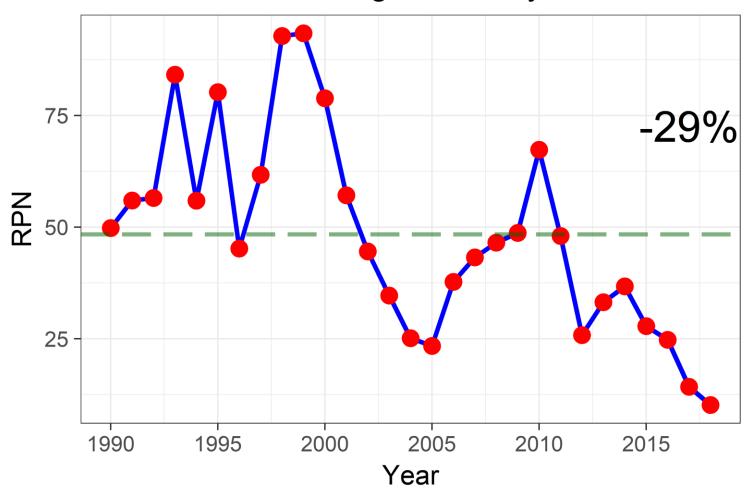
BSAI Halibut longline survey RPNs



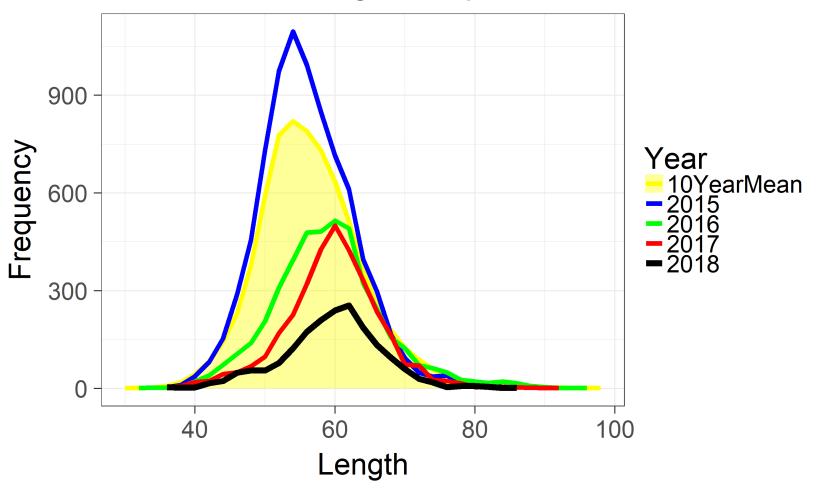
GOA Halibut longline survey RPNs



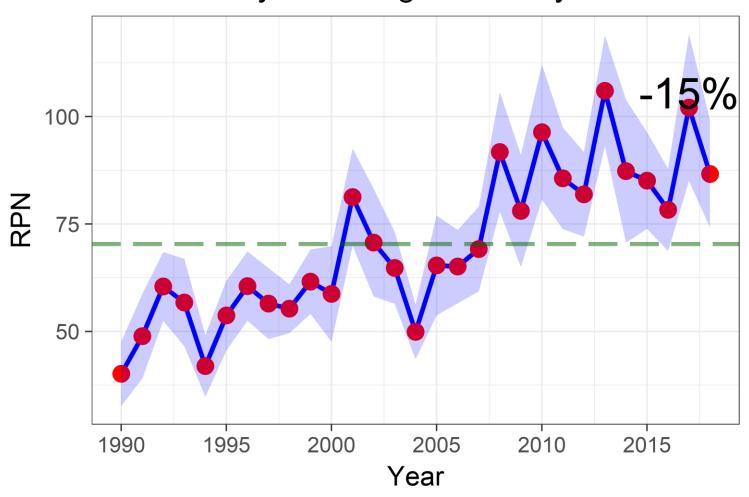
GOA Arrowtooth longline survey RPNs



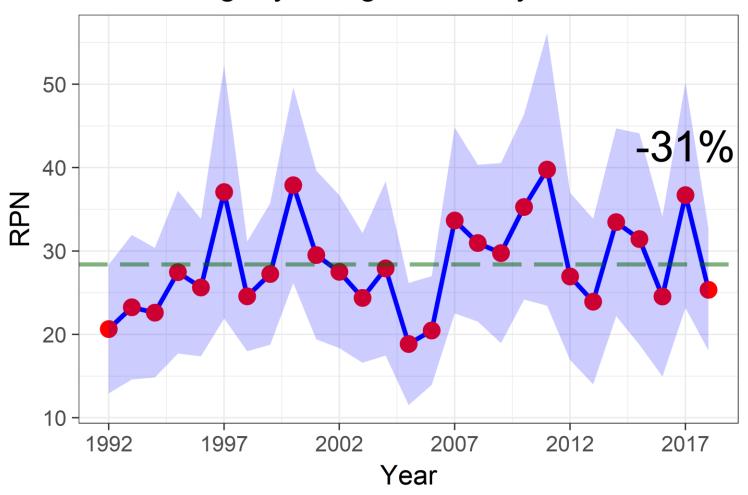
Recent ATF length frequencies



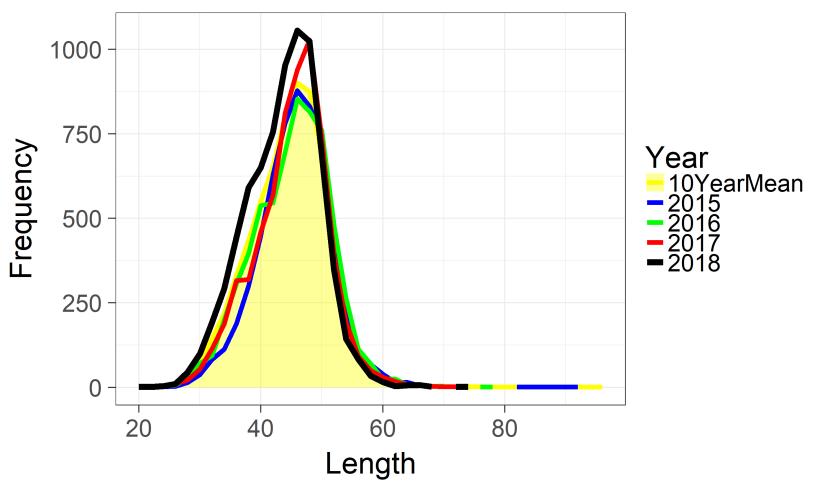
GOA Thornyhead longline survey RPNs



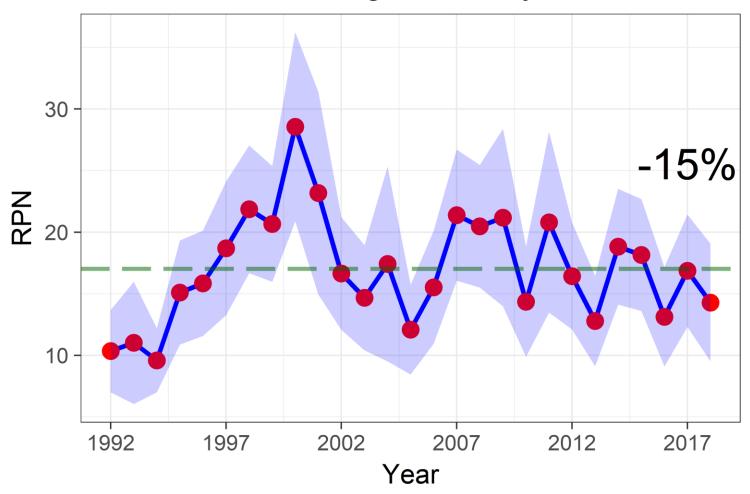
GOA Rougheye longline survey RPNs



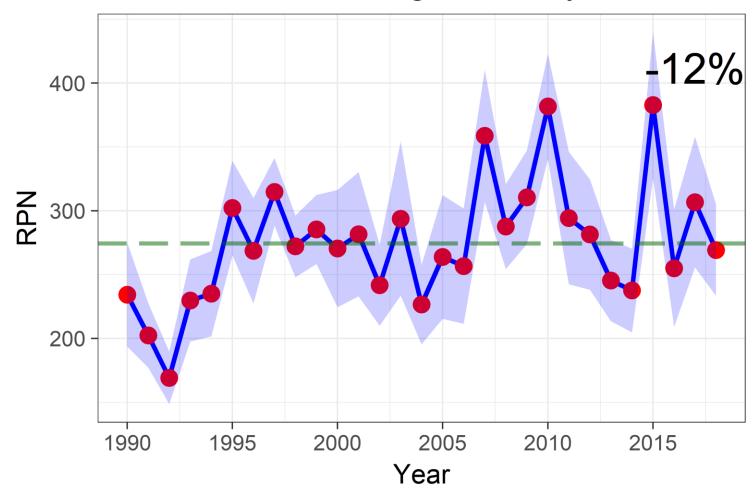
Recent RE/BS length frequencies



GOA Shortraker longline survey RPNs

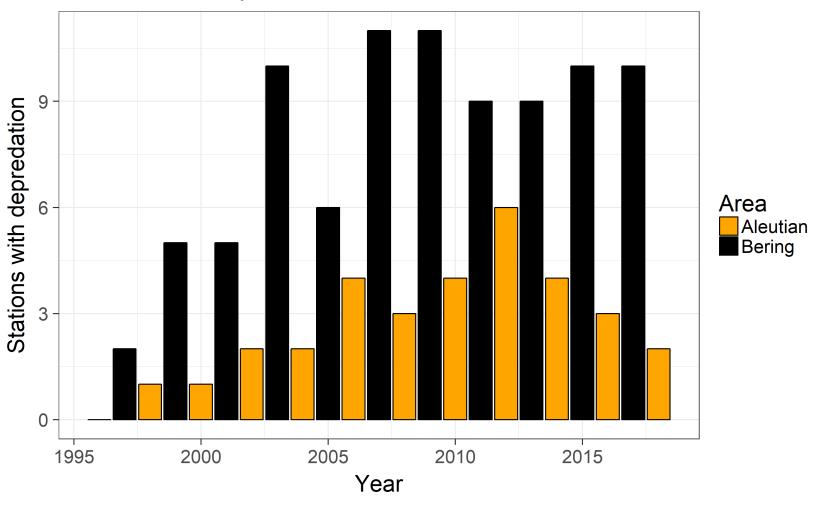


GOA G.Grenadier longline survey RPNs

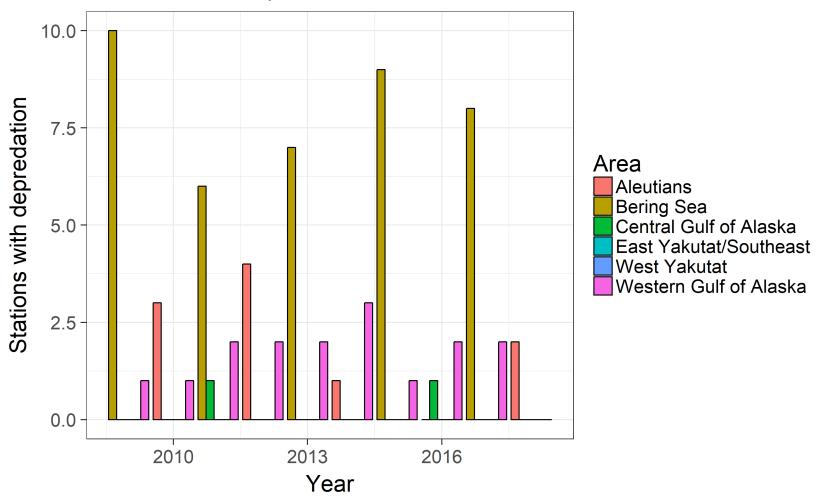




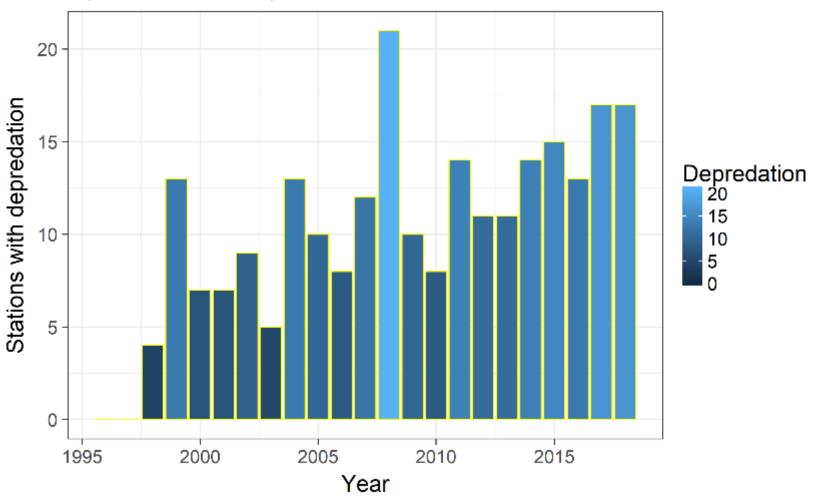
Killer whale depredation



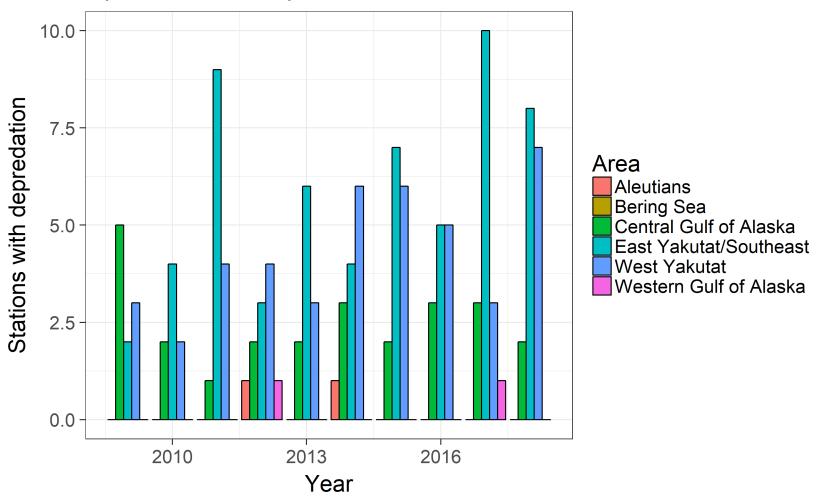
Killer whale depredation



Sperm whale depredation



Sperm whale depredation



2018 Observations

- Multiple year classes small fish
 - Small fish in western regions
- Vessel Interactions
 - Increases in West Yakutat and Central GOA
- RPN Flags
 - GOA Cod, GOA arrowtooth

2018 Pyrosome Update

Researchers Investigate Explosion in the Number of Pyrosomes off Alaska

October 23, 2017

Feature Story | Alaska



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- NOAA Fisheries Alaska
- Alaska Fisheries Science Center: Dispatches from the Field

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