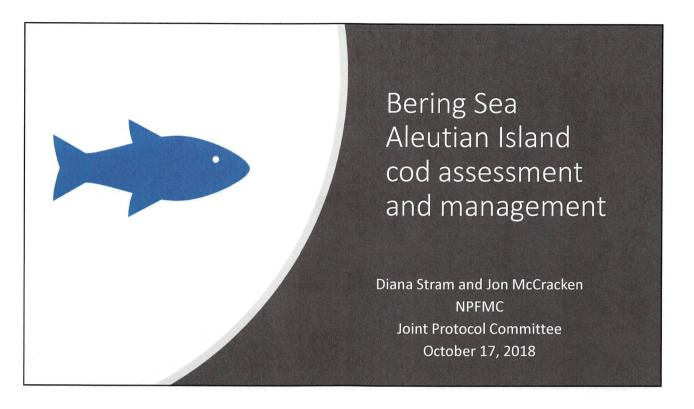
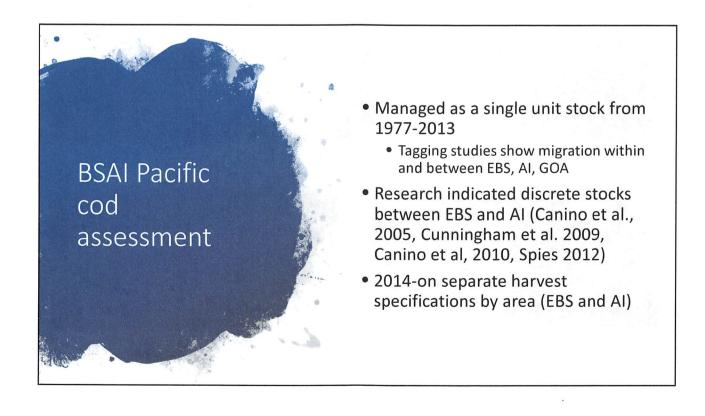
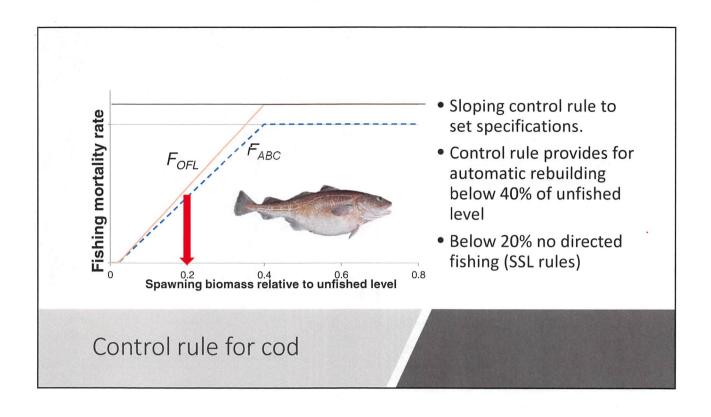
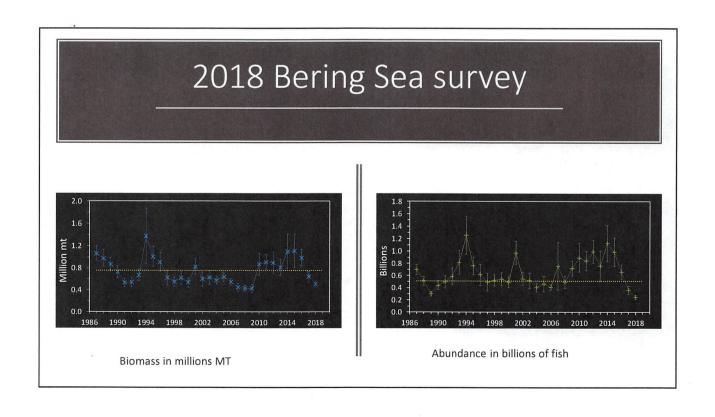
## RC 16

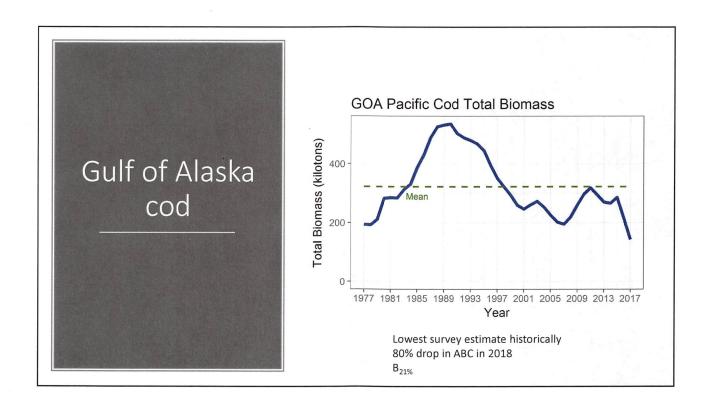








Aleutian Islands survey biomass Pacific cod (Gadus macrocephalus)



Relative abundance of cod in state waters:
EBS survey

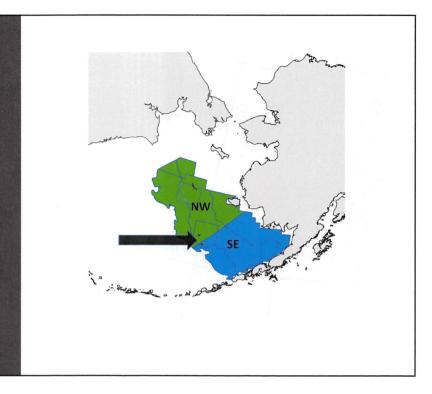
EBS survey annual

Only 3 of 376 stations in State waters

All 3 near Pribilof Islands

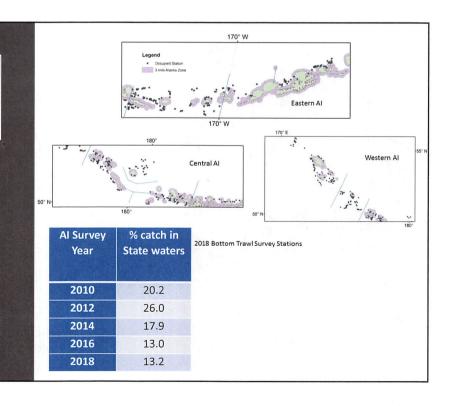
Since 1982 have comprised between 0.3 – 4.0% of total cod in survey

One additional station in eastern Bristol Bay has partial tow frequently in State waters



Relative abundance of cod in state waters: Al survey

- Al survey biennial (2018 most recent)
- Numerous stations within State waters in Al survey

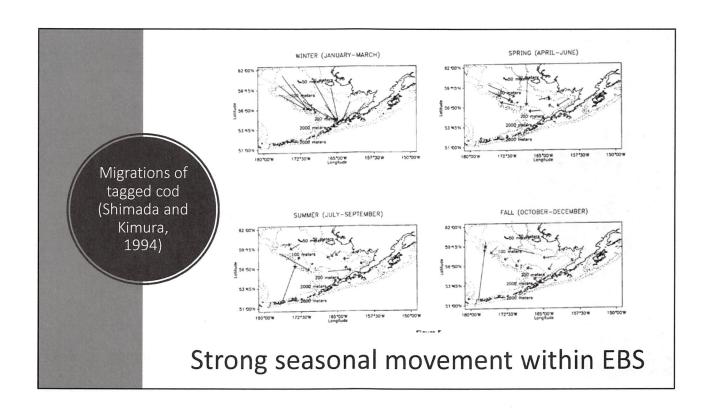


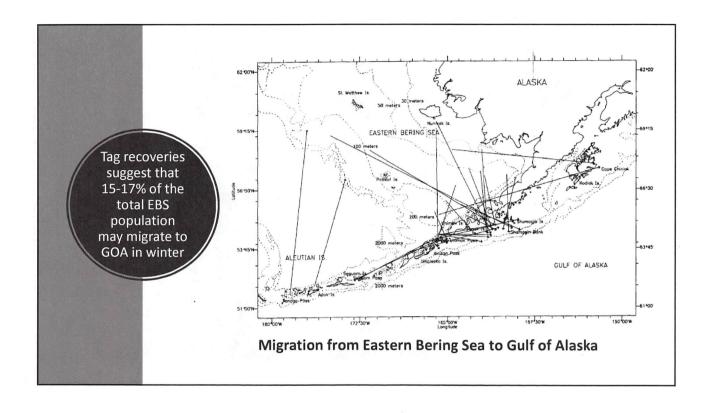


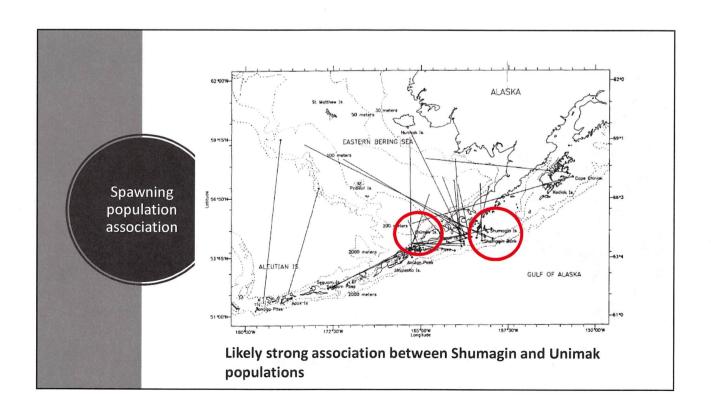


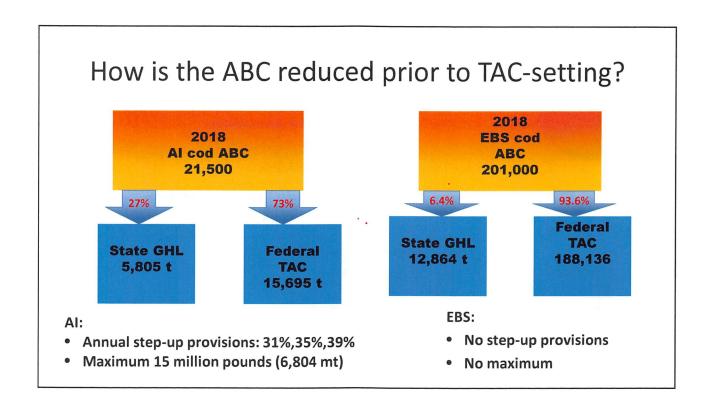
## Trends in cod across Bering Sea areas

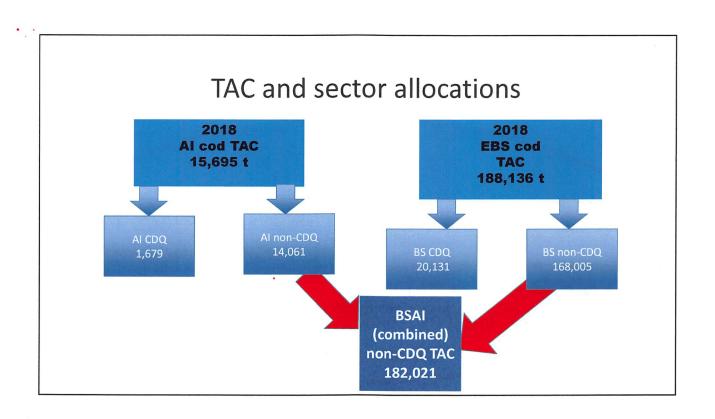
- Pacific cod in the NBS increased from 28,425 t to 286,310 t between 2010 and 2017
  - Genetic information indicates this population is similar to the EBS
- Decreased in the EBS by 37% since 2016, to 598,260t.
- Similar results in 2018: Plans for addressing NBS population contribution in 2018 Assessment

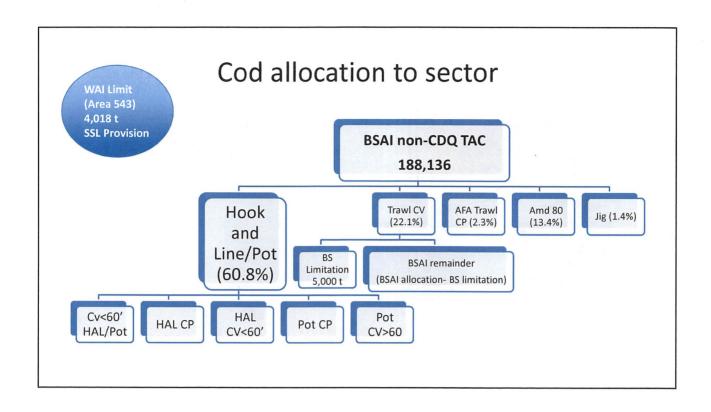


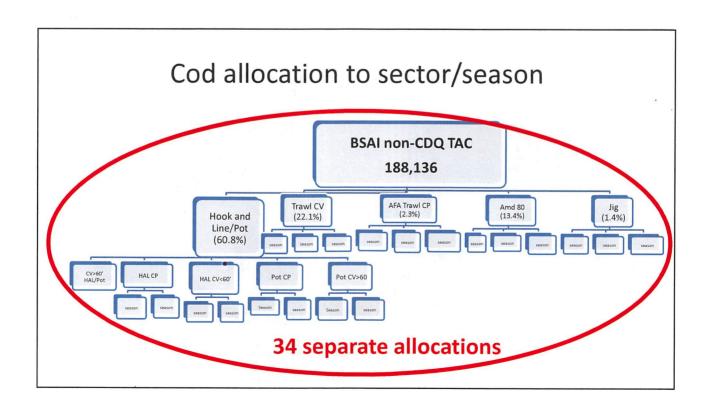












## Catch by sector 2017-2018

BSAI Sector	Catch 2018*	# vessels	Catch 2017	# vessels
CDQ	17,776	92	25,359	95
Hook-and-line C/P	66,643	25	108,748	28
Pot C/P	2,810	5	4,942	4
Pot CV >= 60 ft	13,125	33	13,725	34
Hook-and-line/Pot CVs < 60 ft	6,280	25	9,958	24
Jig	56	<3	13	<3
Trawl CV	37,787	103	44,160	100
AFA C/P	4,028	16	4,712	16
Amendment 80 C/P	21,127	19	23,203	19
Total	169,630	318	234,822	320
* Catch through 10/08/18				

## **BSAI** Cod Observer Coverage

- Majority of fleet is in 100% coverage
- Small percentage in partial coverage.
  - BSAI Observer partial coverage in 2017
    - Hook-and-line: 13.8% / 10.1%Pot-no Tender: 10.8% / 6.6%
    - Pot-Tender: 5.3%Trawl: 20.5%
- BSAI Observer coverage in 2018 and 2019
  - 15% for all gear types + Optimization of remaining funds to PSC-limited fisheries
- In 2017, Pacific cod contributed to 45% of all observer fees collected in the BSAI region and 8% of the fee coastwide.



Halibut implications **EBS** Pacific halibut Relative IPHC settine biomass **Declining BSAI halibut Current BSAI halibut limits** by sector (A80, TLAS, CDQ, longline) No halibut limits for pot Pot bycatch discard mortality rate of 19% in 2001 2004 2007 2010 2013 2016 Year Mortality accrues (only) toward total mortality for purposes of IPHC

