

GOA Atka Mackerel

2016 TAC

• 2,000 t

2016 Catch

• 1,092 t

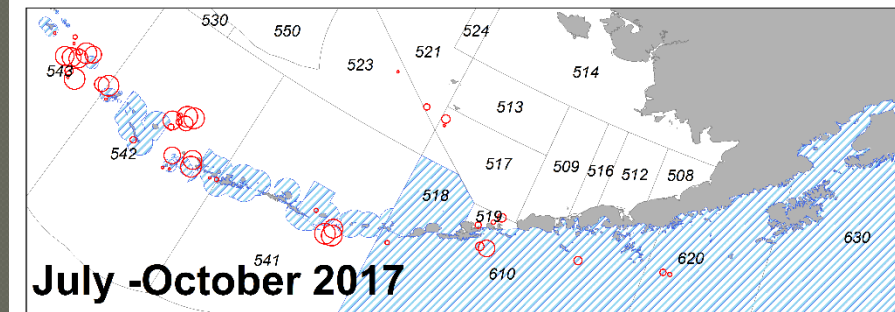
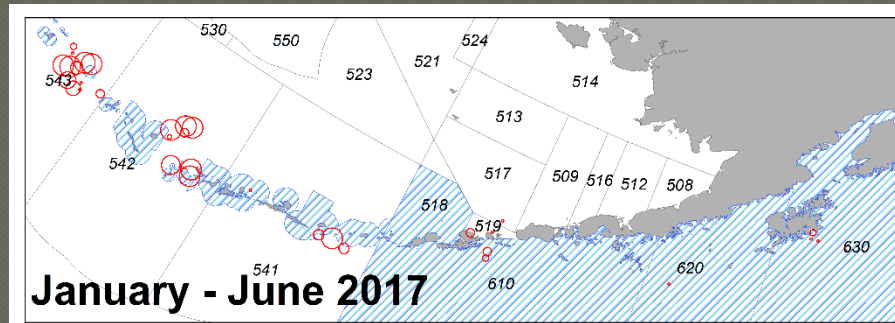
2017 TAC

• 3,000 t

2017 Catch

• 1,048 t

(11/4/16)

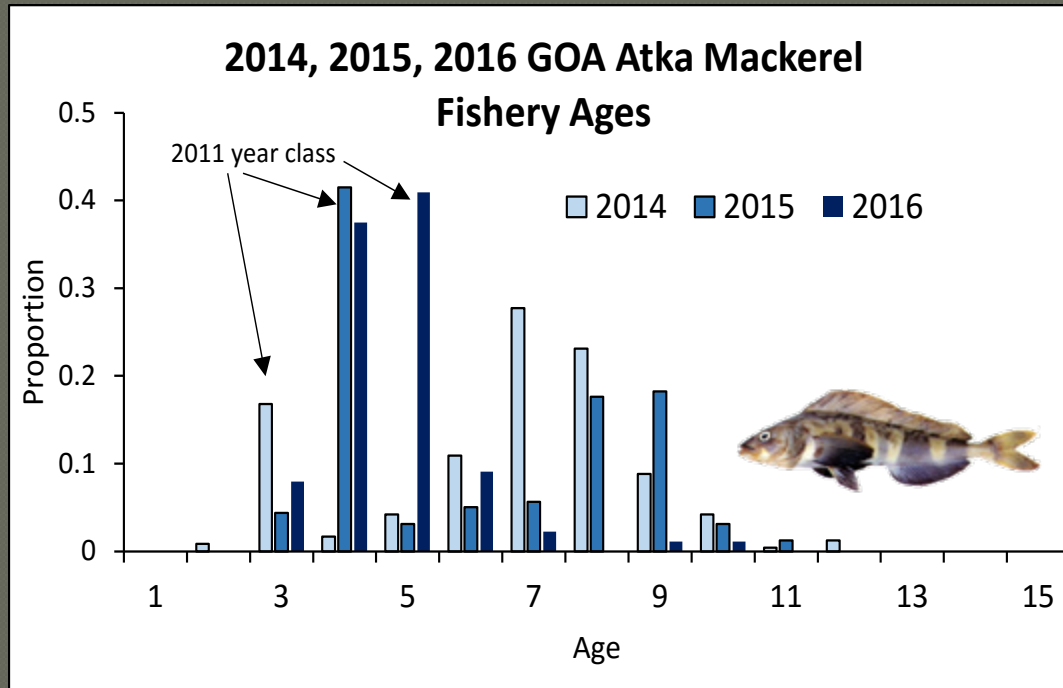


**Observed catch
(Tons)**

- 1 - 5
- 6 - 10
- 11 - 20
- 21 - 40
- 41 - 80
- 81 - 100
- 101 - 200
- 201 - 400
- 401 - 800
- > 800

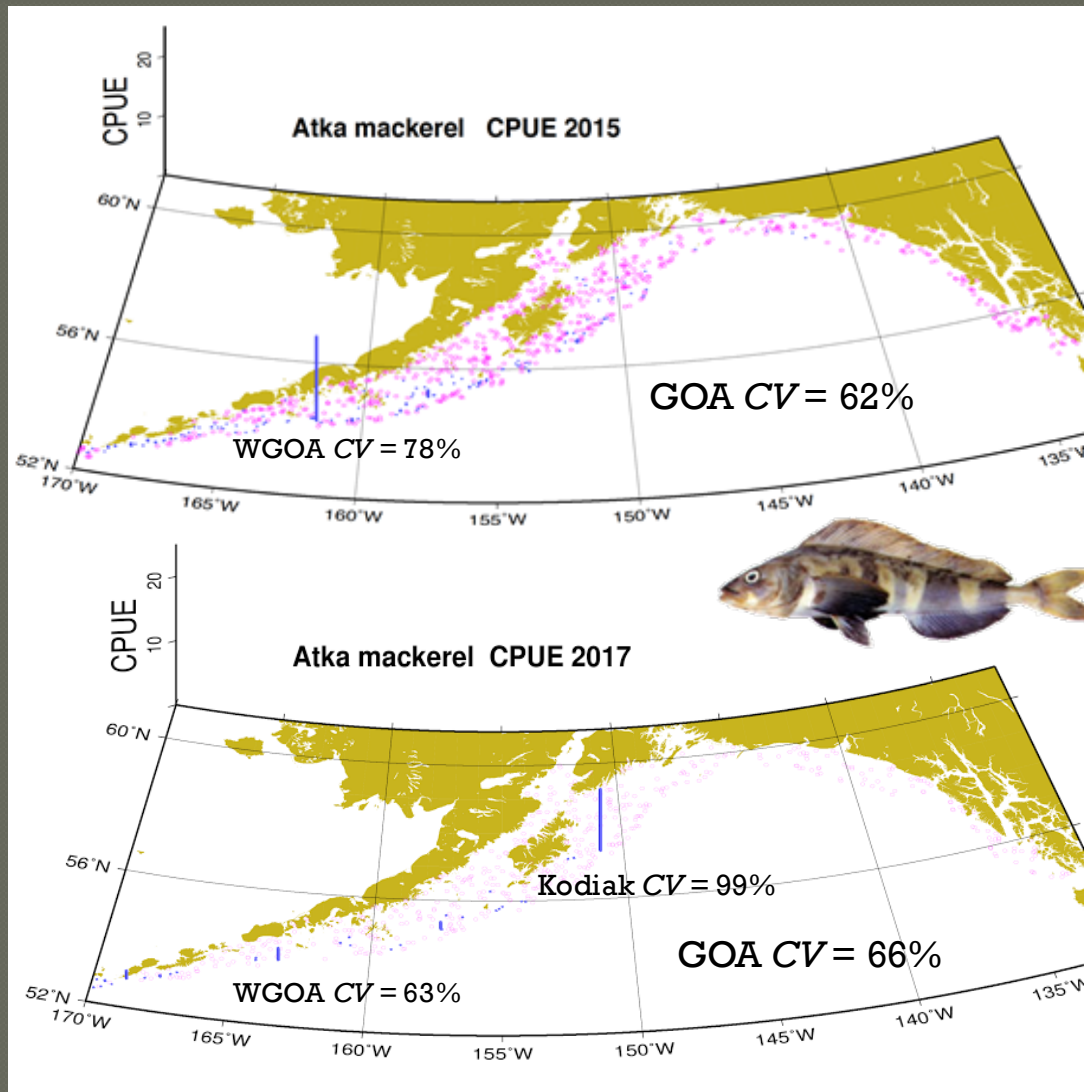
2017 observed catches of Atka mackerel summed for 20 km² cells. Shaded areas represent areas closed to directed Atka mackerel fishing (all of GOA).





Age frequency distribution of Atka mackerel from the 2014, 2015, and 2016 GOA fisheries. A total of 238, 150, and 88 otoliths were collected and aged from the GOA in 2014, 2015, and 2016, respectively

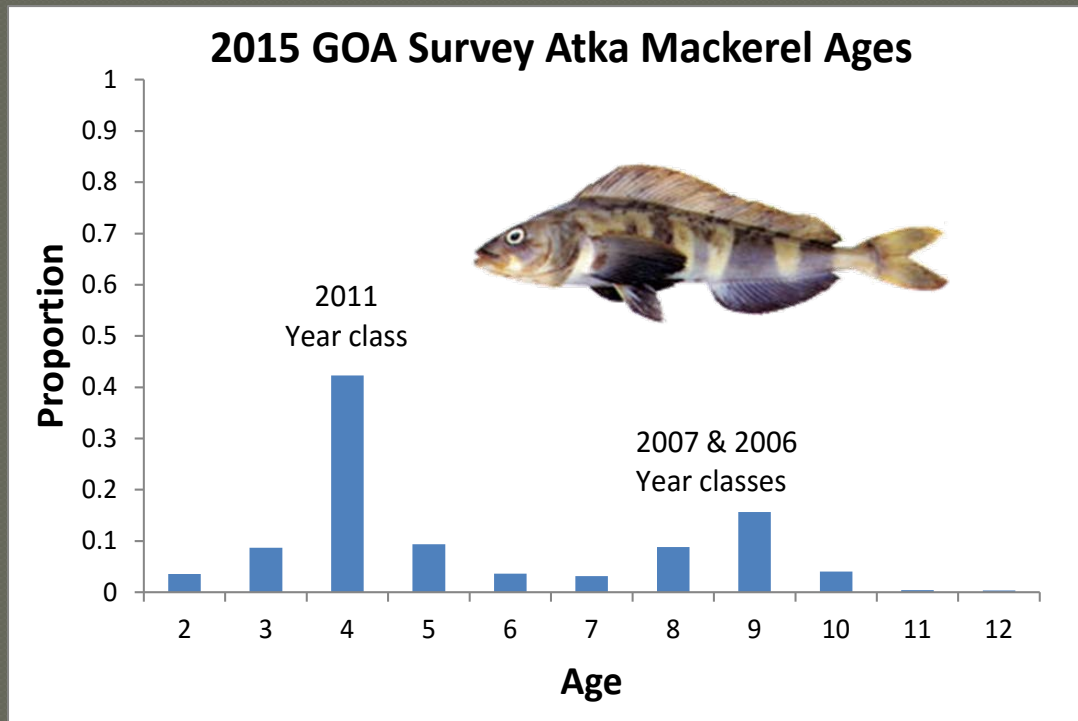




Atka mackerel survey CPUE by station for 2015 and 2017.

● circles represent tows where Atka mackerel were absent, height of bars is proportional to CPUE by weight.





Age frequency distribution of Atka mackerel from the 2015 GOA survey. A total of 413 otoliths were collected and aged from the Shumagin, Chirikof, and Kodiak areas.



GOA Atka Mackerel

Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2017	2018	2018	2019
Tier	6	6	6	6
OFL (t)	6,200	6,200	6,200	6,200
maxABC (t)	4,700	4,700	4,700	4,700
ABC (t)	4,700	4,700	4,700	4,700

OFL = average catch 1978-1995

ABC = 0.75 x OFL



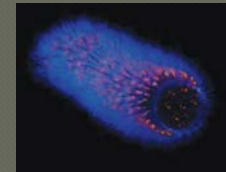
Questions?



Fun Facts about Pyrosomes



- Free-floating colonial tunicates
- Usually live in the upper layers of the open ocean in **warm** seas
- Colonies made up of 100s to 1000s of individuals ranging in size from less than one centimeter to several meters in length.
- Pyrosomes are brightly bioluminescent
- The name *Pyrosoma* comes from the Greek (*pyro* = "fire", *soma* = "body")



"I have just watched the moon set in all her glory, and looked at those lesser moons, the beautiful Pyrosoma, shining like white-hot cylinders in the water"
(T.H. Huxley, 1849)

