

GOA Atka Mackerel

2016 TAC

• 2,000 t

2016 Catch

• 1,092 t

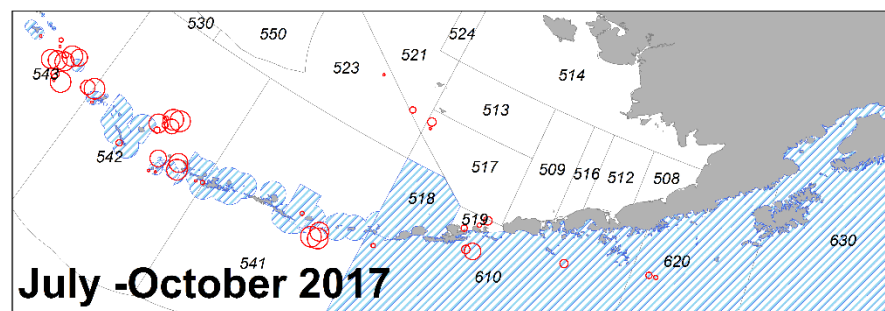
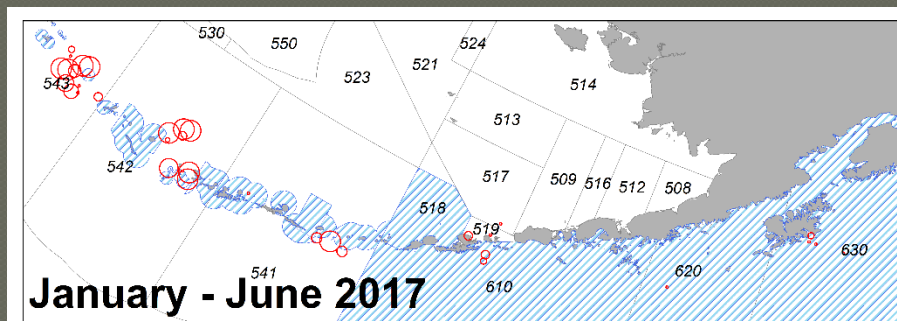
2017 TAC

• 3,000 t

2017 Catch

• 1,048 t

(11/4/16)

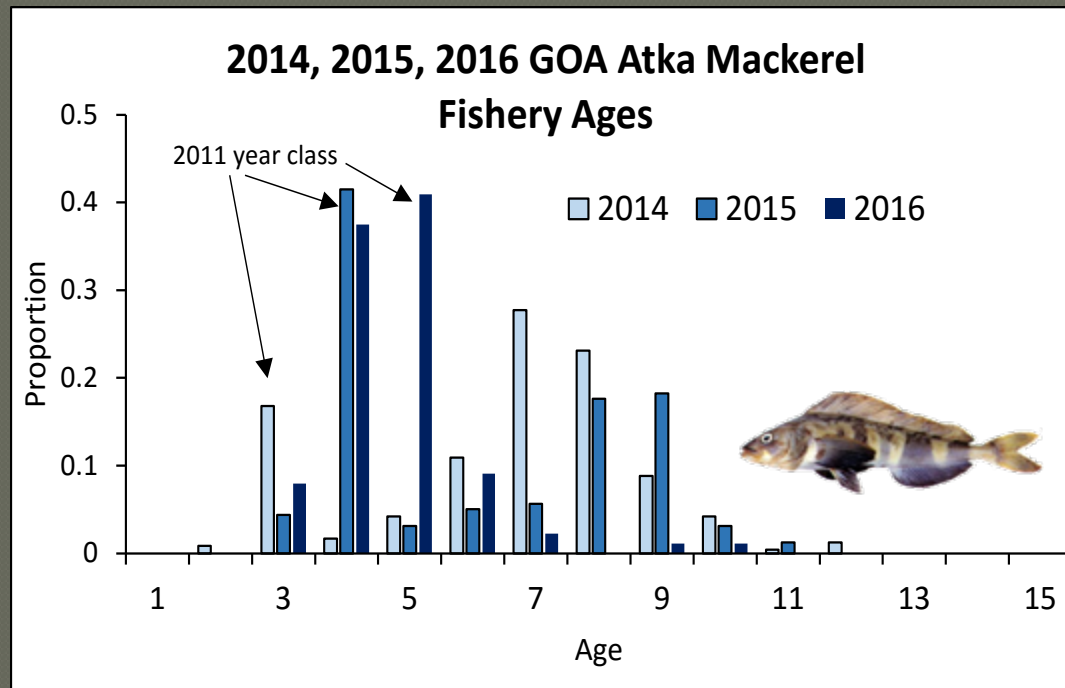


Observed catch (Tons)

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

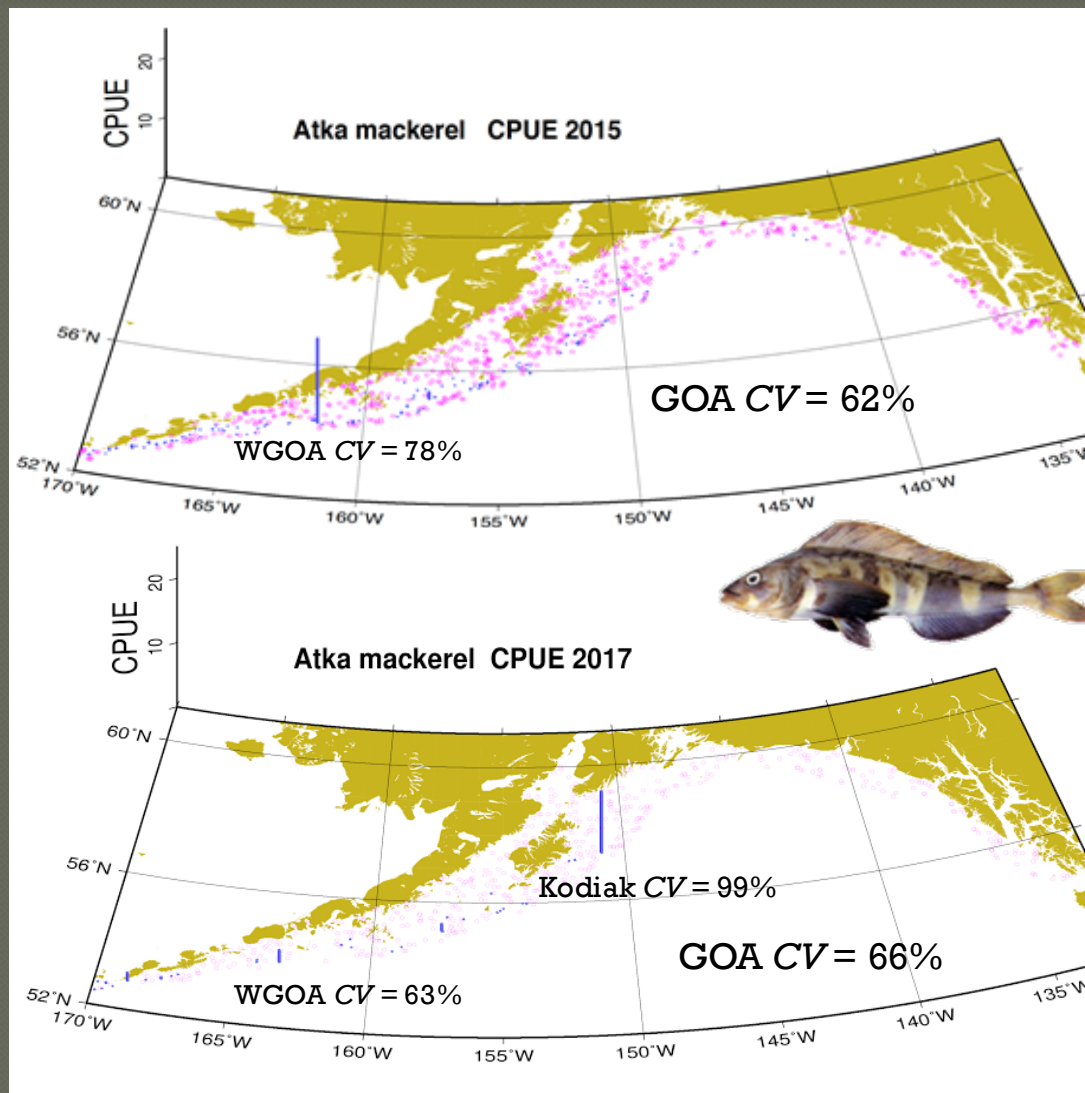
2017 observed catches of Atka mackerel summed for 20 km² cells. Shaded areas represent areas closed to directed Atka mackerel fishing (all of GOA).





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

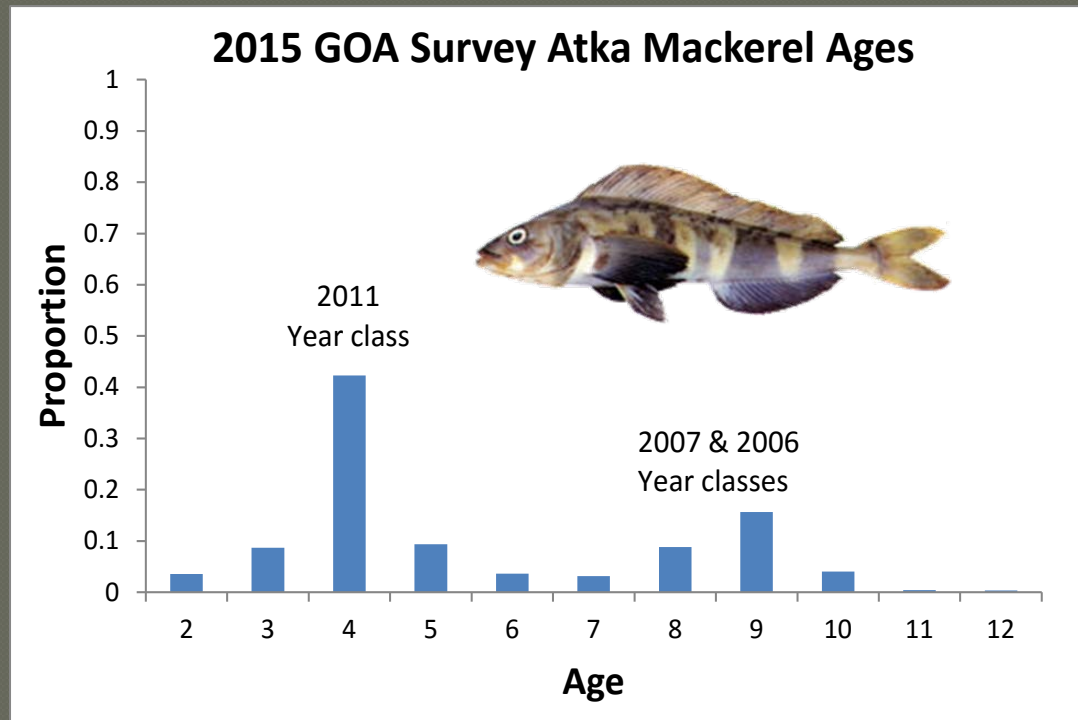




Atka mackerel survey CPUE by station for 2015 and 2017.

● 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 <i>specified last</i> year for: | | As estimated or <i>recommended</i> <i>this year for:</i> | |
|------------|---|-------|--|-------|
| | 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



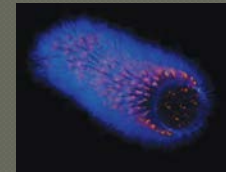
Questions?



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)

