

## Assessment of the Atka mackerel stock in the Gulf of Alaska

### Executive Summary

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November 2016

Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2016	2017	2017	2018
<i>M</i> (natural mortality)	0.3	0.3	0.3	0.3
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
Status	As determined last year for:		As determined this year for:	
	2014	2015	2015	2016
Overfishing	n/a	n/a	n/a	n/a

(for Tier 6 stocks, data are not available to determine whether the stock is in an overfished condition)

### Area Apportionment

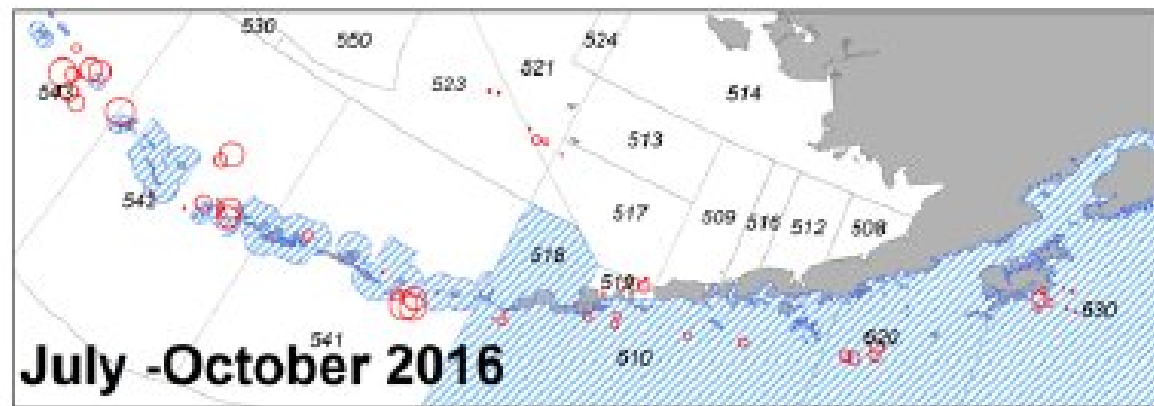
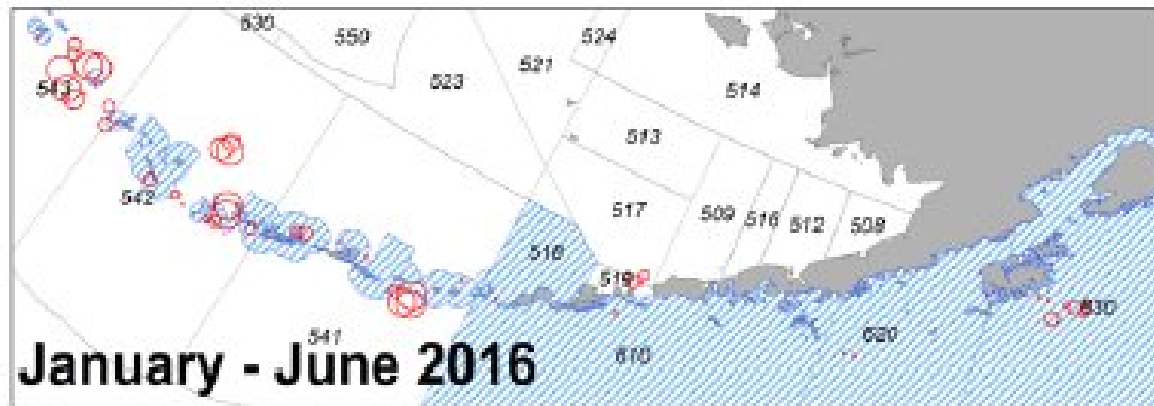
There is no area apportionment for GOA Atka mackerel. The Council manages GOA Atka mackerel on a Gulf-wide basis.

### Summaries for the Plan Team

Species	Year	Biomass	OFL	ABC	TAC	Catch
Atka mackerel (Gulf-wide)	2015	Unknown	6,200	4,700	2,000	1,228
	2016	Unknown	6,200	4,700	2,000	938 <sup>1</sup>
	2017	Unknown	6,200	4,700		
	2018	Unknown	6,200	4,700		

1/ Current as of October 15, 2016

([https://alaskafisheries.noaa.gov/sites/default/files/reports/car110\\_goa2016.pdf](https://alaskafisheries.noaa.gov/sites/default/files/reports/car110_goa2016.pdf)).



**Observed catch  
(Tons)**

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

Figure 17.1. Observed catches of Atka mackerel summed for 20 km<sup>2</sup> cells for 2016 where observed catch per haul was greater than 1 t. Shaded areas represent areas closed to directed Atka mackerel fishing.

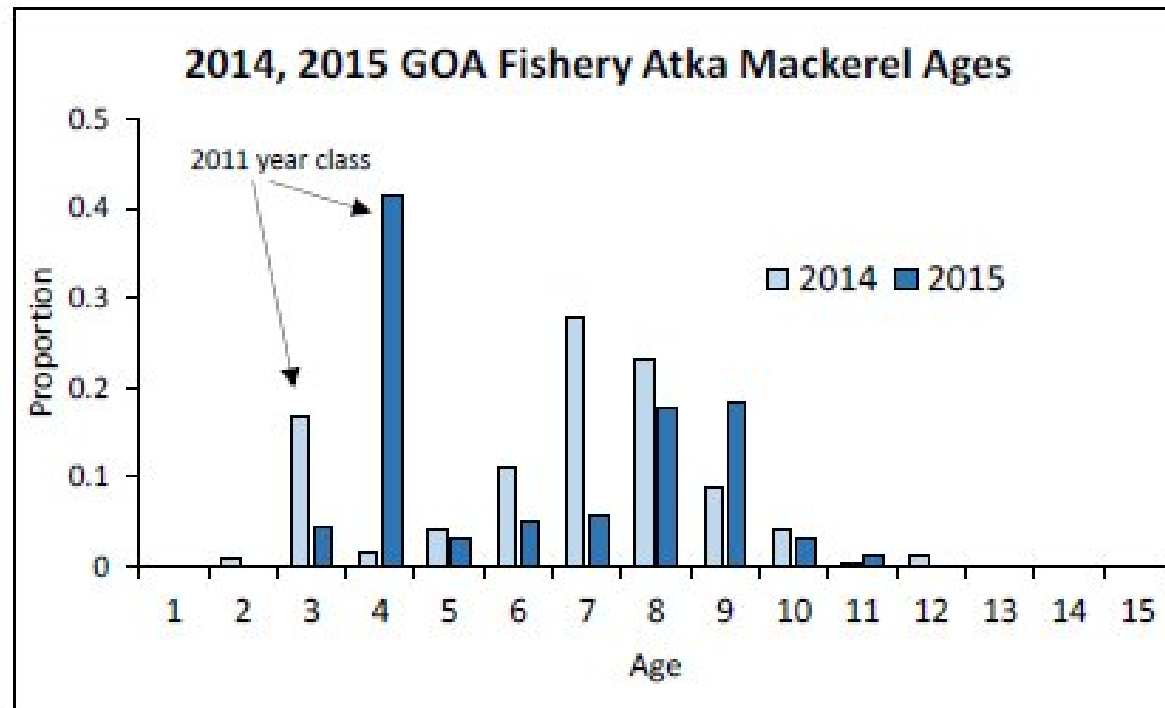


Figure 17.2. Age frequency distribution of Atka mackerel from the 2014 and 2015 Gulf of Alaska fisheries. A total of 238 and 159 otoliths were collected in 2014 and 2015, respectively.

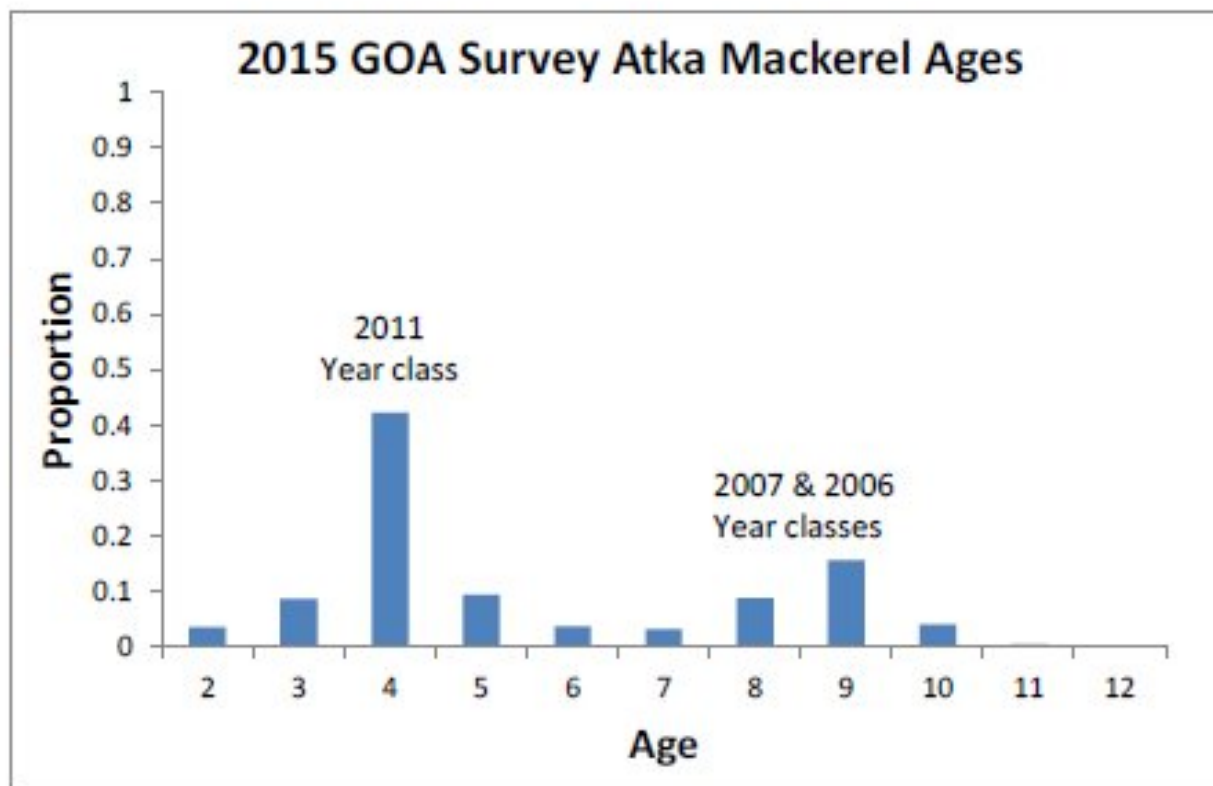


Figure 17.3. Age frequency distribution of Atka mackerel from the 2015 Gulf of Alaska bottom trawl survey. A total of 413 otoliths were collected and aged from the Shumagin (610), Chirikof (620), and Kodiak (630) areas.