2016 winter acoustic-trawl survey of the Bogoslof Island area
Denise McKelvey & MACE Program
Alaska Fisheries Science Center

4–8 March 2016
NOAA ship Oscar Dyson
Bogoslof Island area AT survey
March 2016
## Catch by weight

<table>
<thead>
<tr>
<th></th>
<th>10 AWT</th>
<th>1 PNE (midwater sample)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pollock</td>
<td>(98%)</td>
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<tr>
<td>Lanternfish</td>
<td></td>
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<tr>
<td>Jellyfish</td>
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</tbody>
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Catch by weight

10 AWT
Pollock (98%)
Lanternfish
Jellyfish

1 PNE (midwater sample)
Pollock (97%)
Jellyfish

Pollock maturities

![Graph showing Pollock maturities for Unimak and Samalga]
Catch by weight

- **10 AWT**
  - Pollock (98%)
  - Lanternfish
  - Jellyfish

- **1 PNE** (midwater sample)
  - Pollock (97%)
  - Jellyfish

Pollock maturities

- **Unimak**
  - 63% male
  - 37% female

- **Samalga**
  - 81% female

Pollock lengths

- Unmak, hauls 1-5
- Samalga, hauls 6-11
- All hauls
2016 population at length

- Total abundance: 867 million
- Total biomass: 506 thousand mt

Fork length (cm)

Biomass (thousand metric tons)
Biomass (thousand metric tons)

Total abundance 867 million
Total biomass 506 thousand mt
2014 Bogoslof biomass 112 thousand mt
Historical biomass at length
Biomass (million tons)

- pollock outside CBS specific area
- pollock within CBS specific area

Year:

Data values:
- 1988: No survey
- 1989: No survey
- 1990: No survey
- 1991: 2.40
- 1992: 2.13
- 1993: 1.29
- 1994: 0.94
- 1995: 0.64
- 1996: 0.49
- 1997: 0.30
- 1998: 0.23
- 1999: 0.25
- 2000: 0.23
- 2001: 0.24
- 2002: 0.20
- 2003: 0.11
- 2004: 0.07
- 2005: No survey
- 2006: No survey
- 2007: No survey
- 2008: No survey
- 2009: No survey
- 2010: No survey
- 2011: No survey
- 2012: No survey
- 2013: No survey
- 2014: No survey
- 2015: No survey
- 2016: 0.51

Legend:
- Orange: pollock outside CBS specific area
- Green: pollock within CBS specific area
2016
- More fish
- Mostly 45-47 cm
- Females mostly in post-spawning condition
- Survey timing was 3-days earlier than 2014 survey
Thank you shipmates!

Sandi, Matt, Denise, Chris, Kim, Nate, Darin, and Scott (not pictured)