

# BSAI Octopus Stock Complex Update

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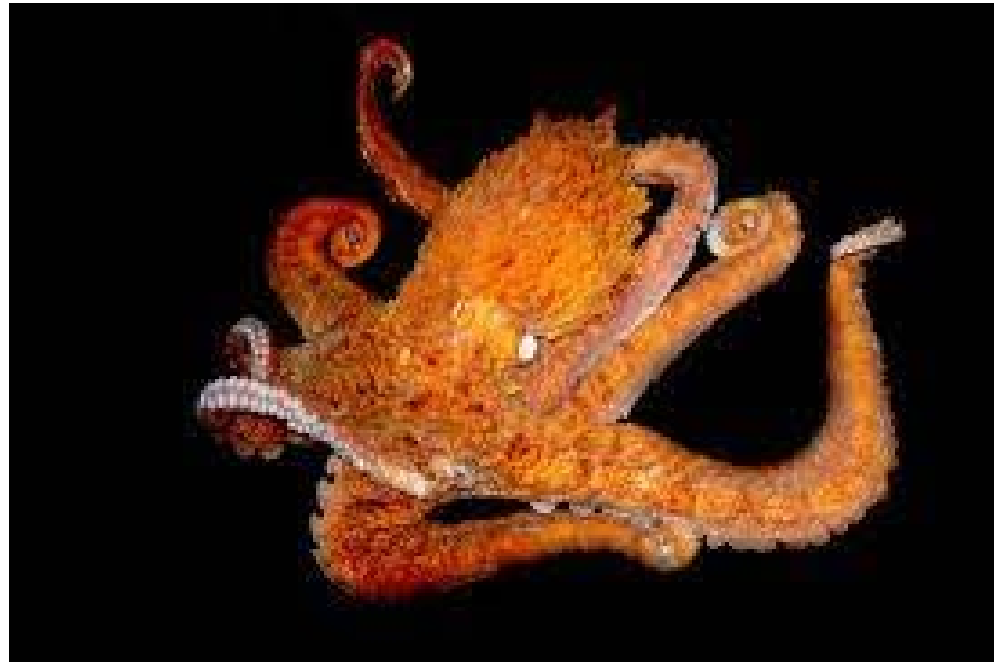


November, 2023, Presentation to the BSAI Groundfish Plan  
Team



# Octopus Species

*Enteroctopus dofleini*, *Sasakiopus salebrosus*, *Benthoctopus leioderma*,  
*Benthoctopus oregonensis*, *Graneledone boreopacifica*, *Opisthoteuthis californiana*,  
*Japetella diaphana* and *Vampyroteuthis infernalis*

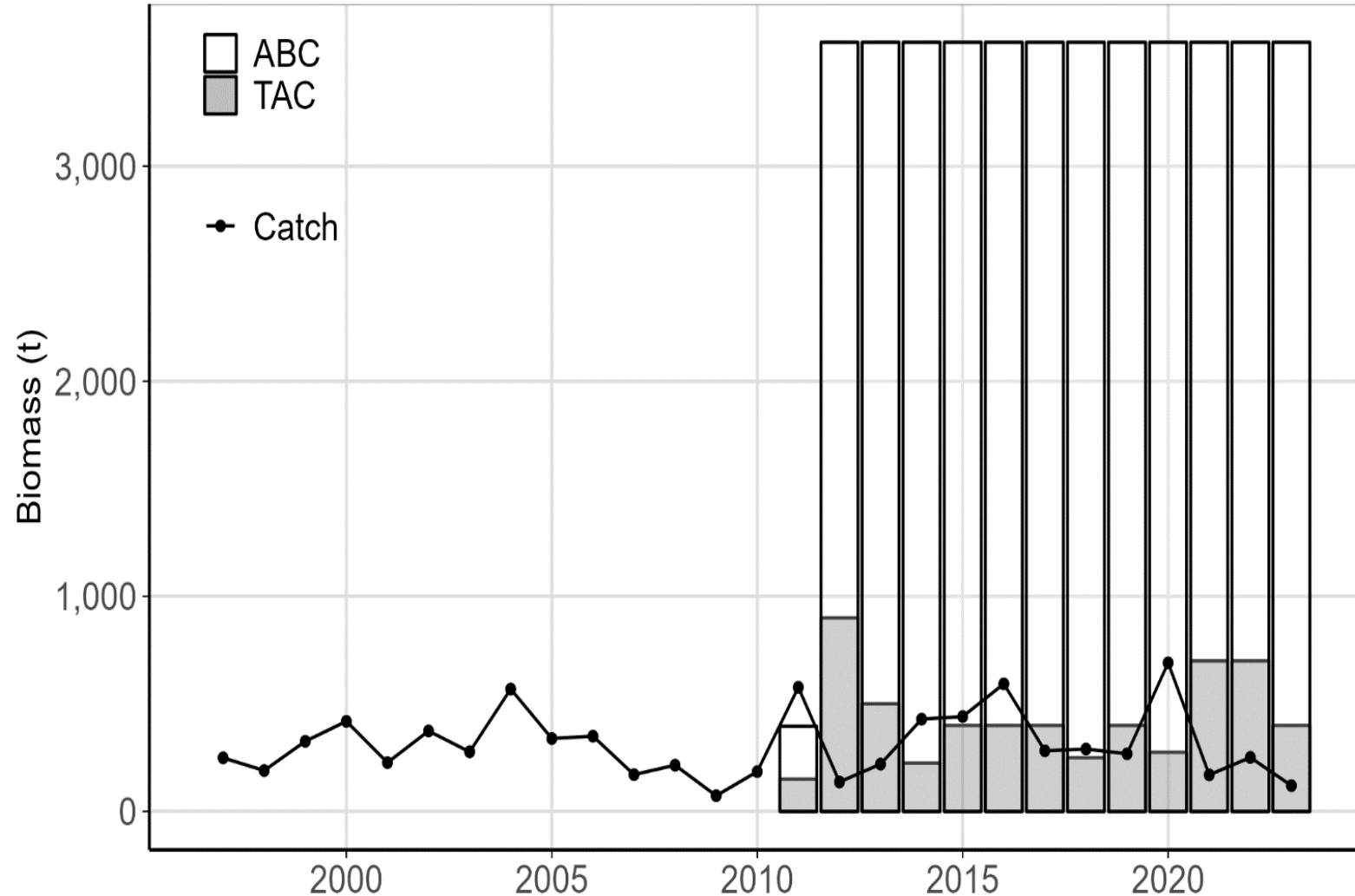


# Stock Complex Overview

## • Tier 6

OFL	4,769 t
ABC	3,576 t
Catch*	120 t

\*As of October 17<sup>th</sup>, 2023





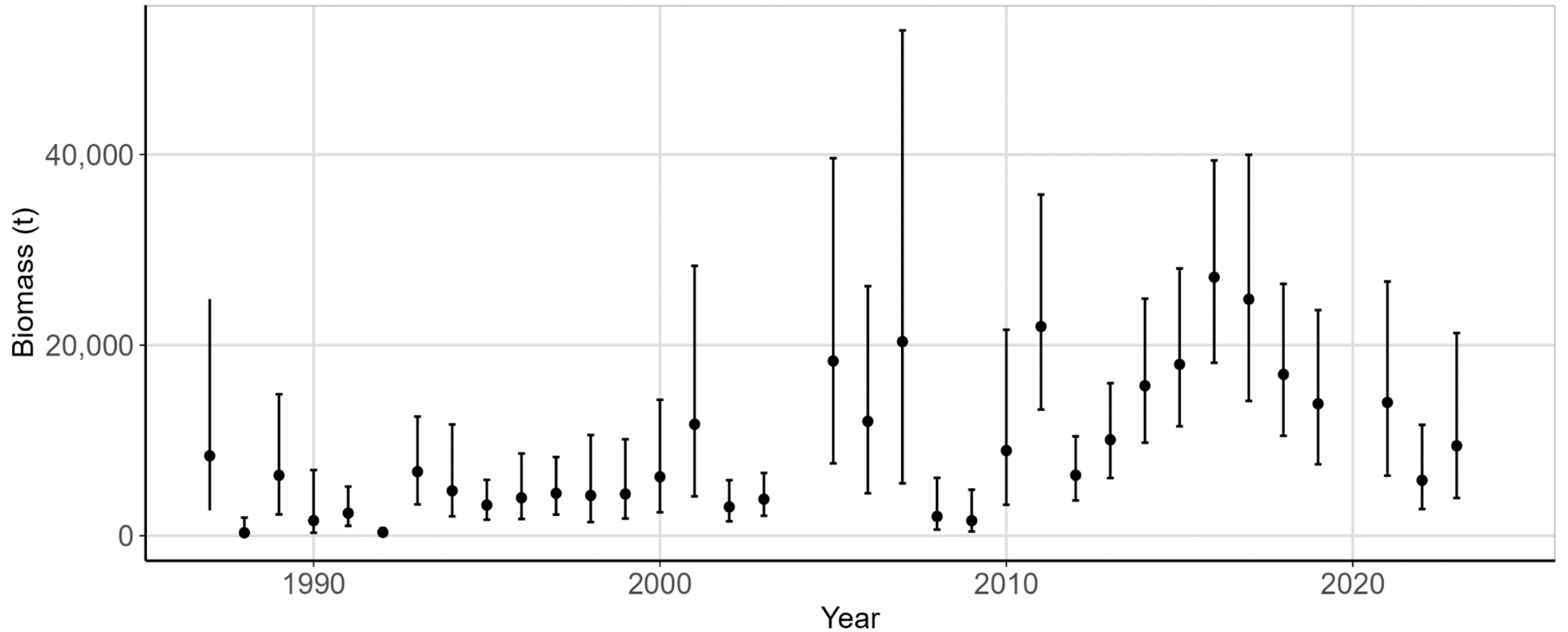
# Analytical Approach

- Update Assessment
- Conservative estimate of total natural mortality from P.cod diet data.
- Updated Data
  - Added 13,614 stomachs (52,843 total)



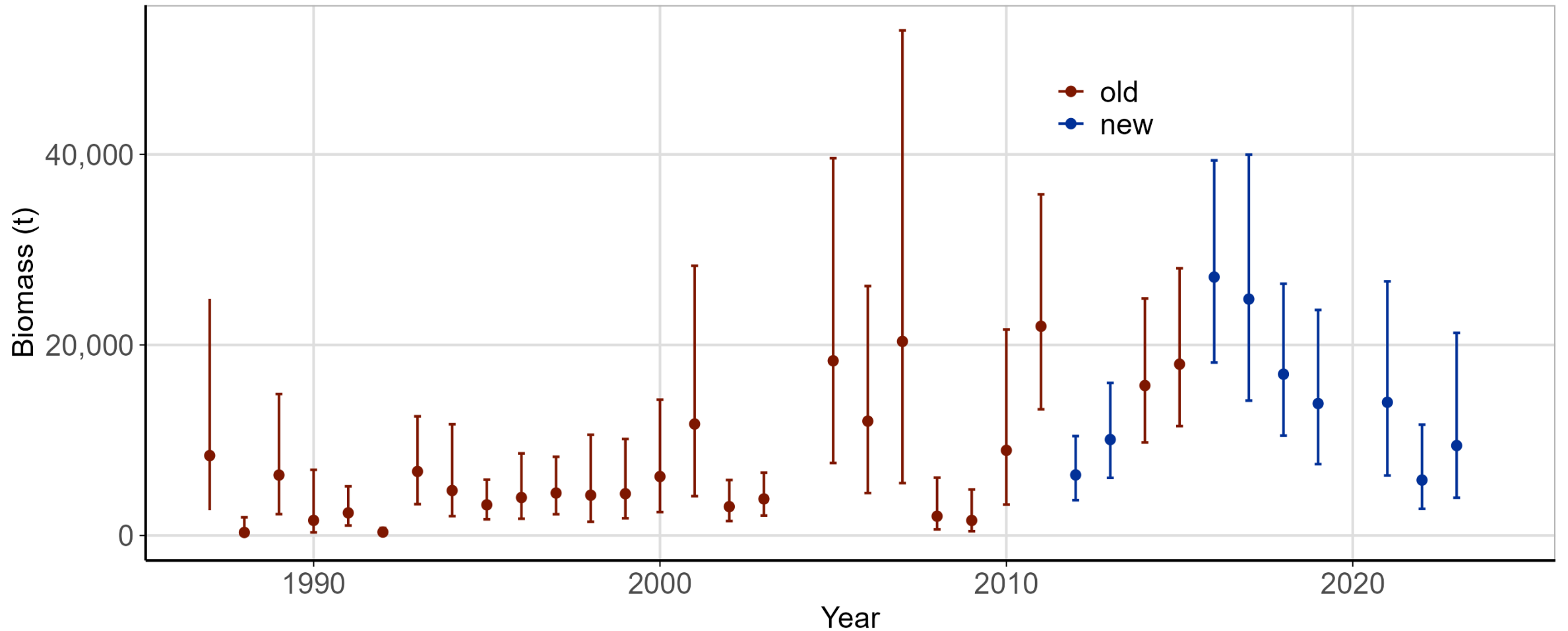
# Analytical Approach

## Estimated Consumption of Octopus by P.cod



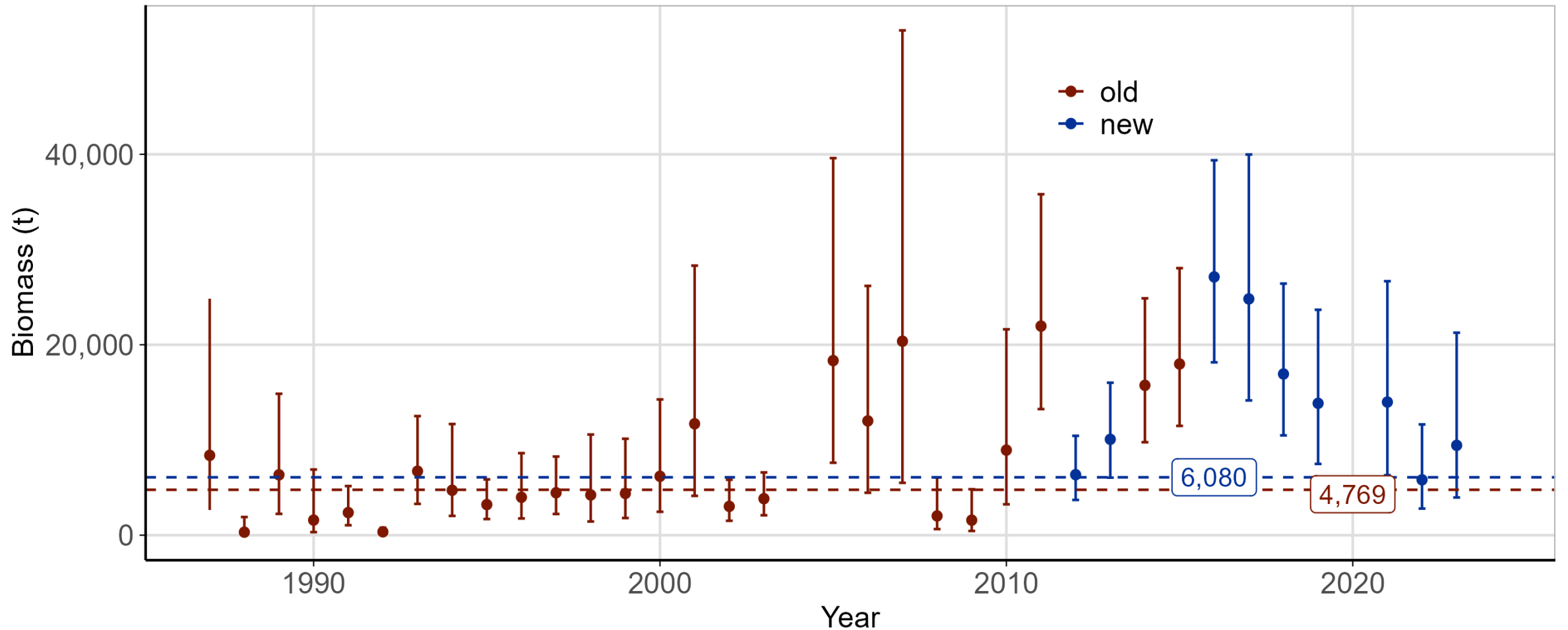
# Analytical Approach

## Estimated Consumption of Octopus by P.cod

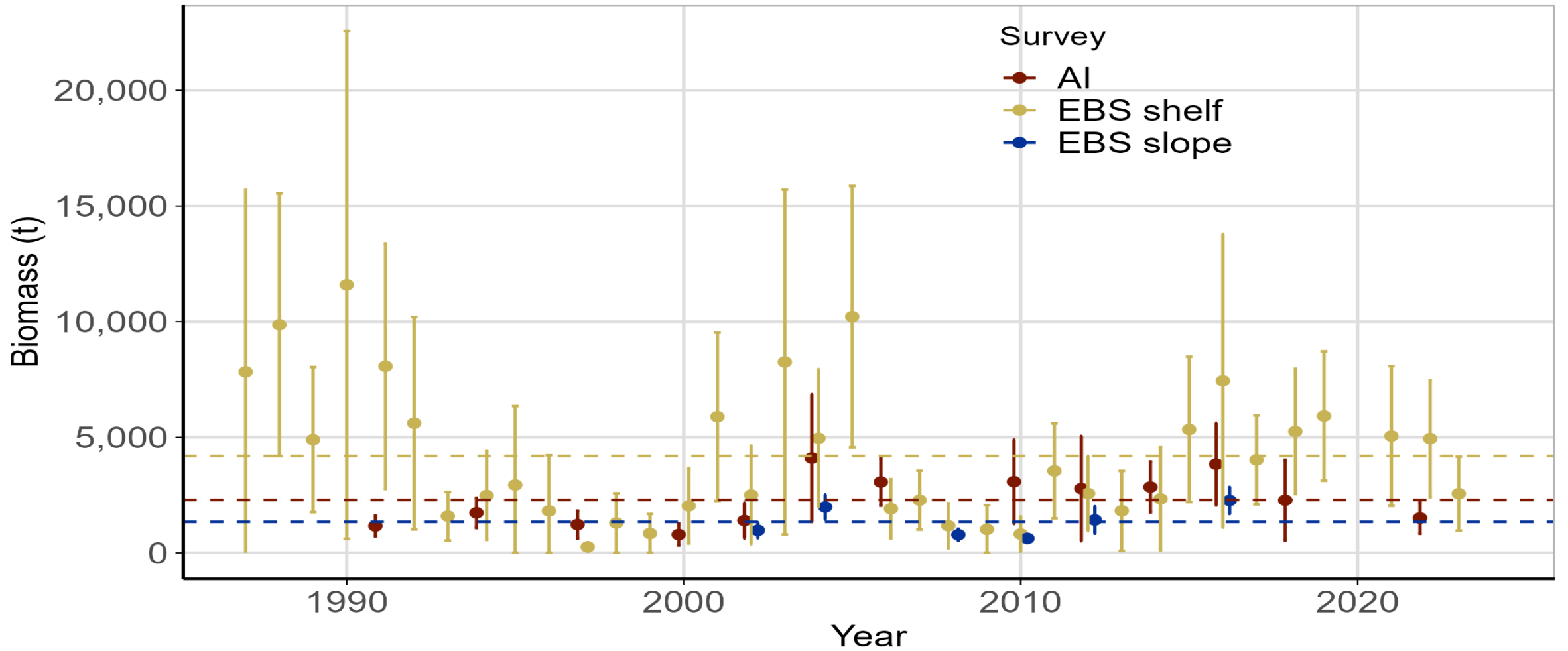


# Analytical Approach

## Estimated Consumption of Octopus by P.cod



# Surveys





# Risk Table Summary

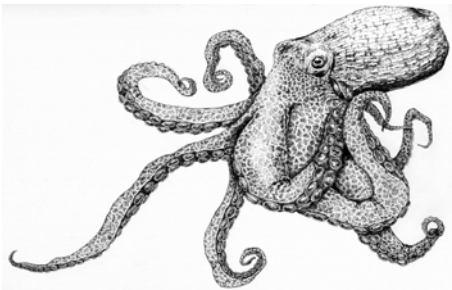
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<i>Assessment-related considerations</i>	<i>Population dynamics considerations</i>	<i>Environmental/ecosystem considerations</i>	<i>Fishery Performance</i>
Level 1: No Concern	Level 1: No Concern	Level 1: No Concern	Level 1: No Concern

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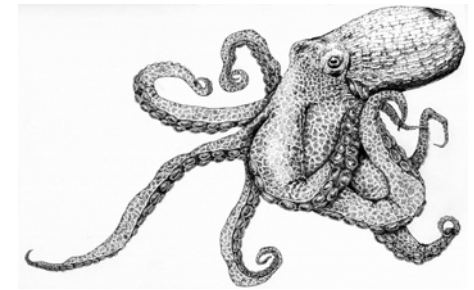
# Harvest Recommendations

OFL = Total Natural Mortality



Quantity/Status	As estimated or specified last year for:		As estimated or recommended this year for:	
	2023	2024	2024	2025
Tier	6	6	6	6
OFL (t)	4,769	4,769	<b>6,080</b>	6,080
<u>maxABC</u> (t)	3,576	3,576	4,560	4,560
ABC (t)	3,576	3,576	<b>4,560</b>	4,560
	As determined last year for:		As determined this year for:	
Status	2021	2022	2022	2023
Overfishing	No	n/a	No	n/a

ABC = 0.75\*OFL





# QUESTIONS?

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