

Economic Impact of Bycatch in Area 4CDE

(millions of pounds, net weight)

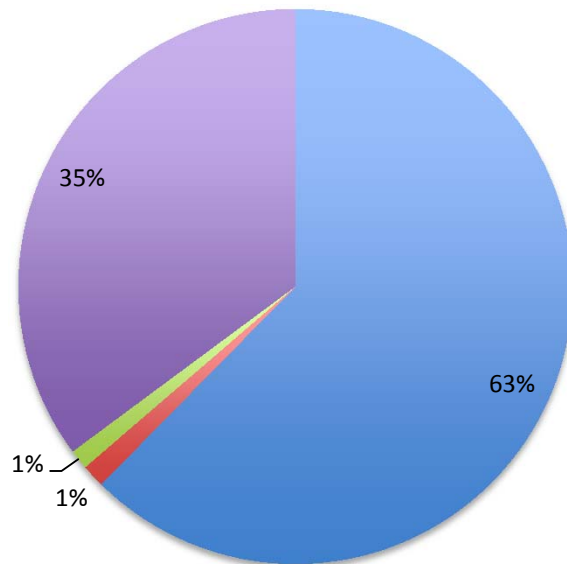
Year	TCEY	<u>Total O26 non-FCEY</u>		FCEY	Ex-vessel Value
		Commercial Wastage, O32/O26 Bycatch Personal Use	Mortality		
2011	6.50	0.23	2.48	3.72	\$24,068,400
2014	3.58	0.09	2.23	1.285	\$7,363,050
2015 Blue Line	3.48	0.05	2.91	0.52	\$2,979,600
% Change from 2014	-2.8%	-44.4%	30.5%	-59.5%	-59.5%
% Change from 2011	-46.5%	-78.3%	17.6%	-86.0%	-87.6%

*Ex-vessel value is based on a simple average of the NMFS Standard Ex-vessel prices for the Bering Sea

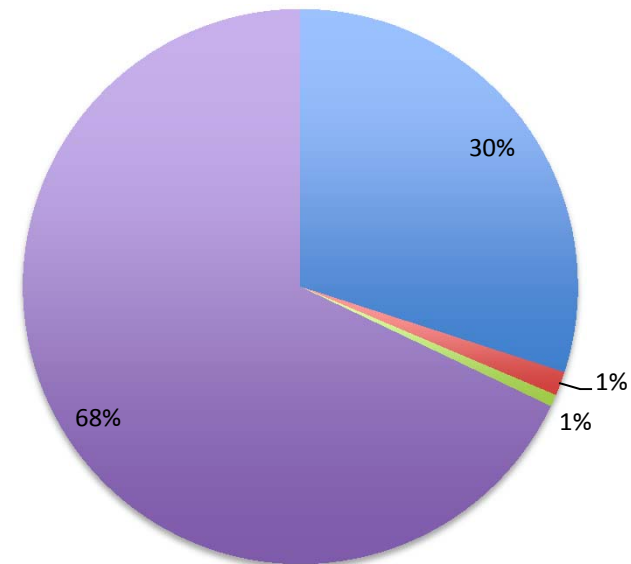
- The decline in exploitable biomass in Area 4CDE reduced the TCEY, and has resulted in a conservation effort taken in whole by the directed fishery
- Bycatch mortality in Area 4CDE increased over the same time period that the FCEY decreased
- 2015 Blue Line is shown as the current FCEY approved by IPHC is unlikely to be approved next year unless TCEY increases or bycatch mortality decreases

Comparison of O32/O26 Removals in Area 4CDE

Average (2002-2011)



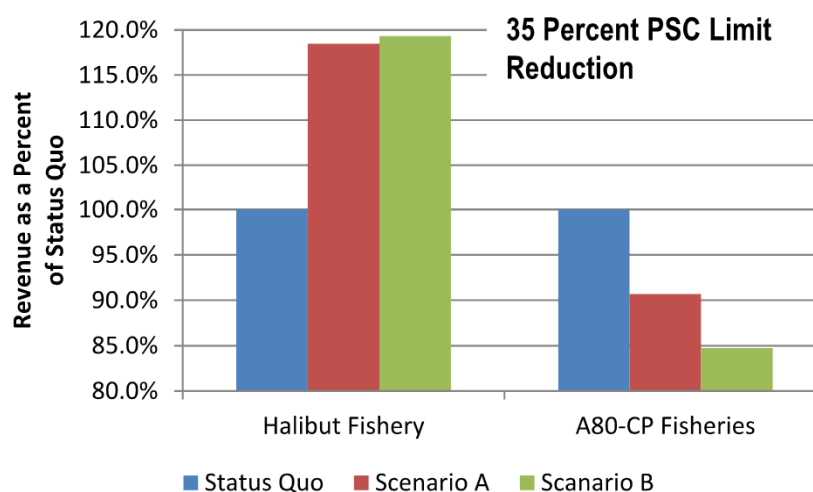
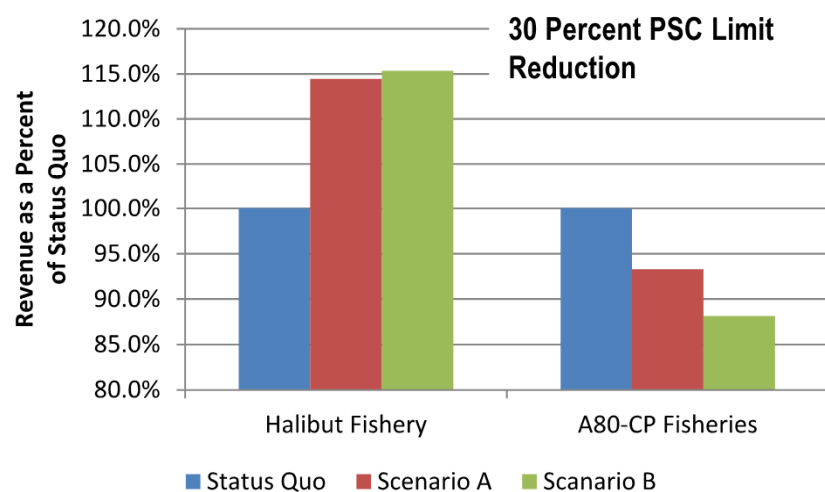
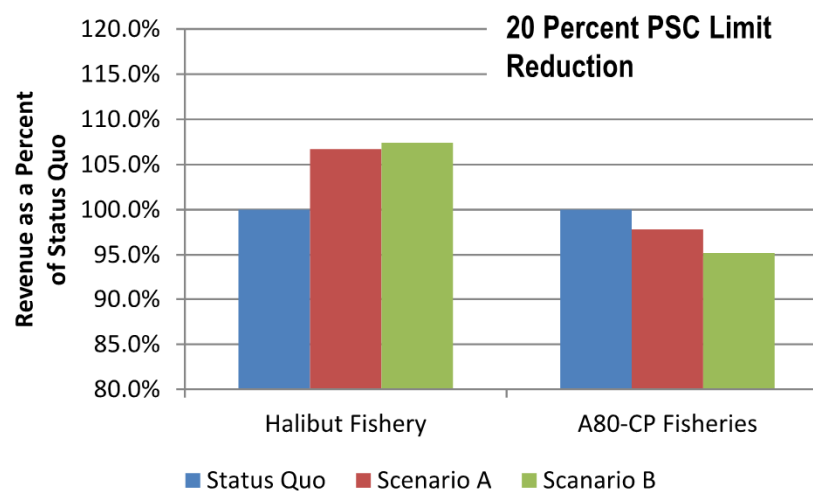
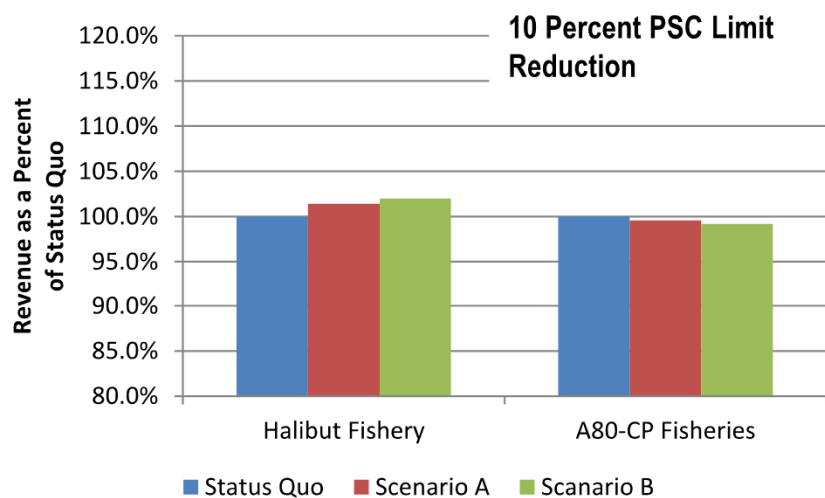
2015 Approved



■ Directed Fishery Landings ■ Wastage
■ P. Use / Subsistence ■ Bycatch Mortality

- 2002-2011 is the 10-yr period of time prior to sharp reductions in FCEY
- The distribution of O26/O32 removals has changed significantly since 2011
- Bycatch mortality now comprises the bulk the removals in Area 4CDE
- Note that in 2011, IPHC changed the deduction of bycatch from O32 to O26

Impact Percentages for A80-CP PSC Limit Reductions



BSAI Bycatch Cap Reduction

- Based on the 2015 TCEY, to achieve an Area 4CDE FCEY of 1,285,000 lbs., the total BSAI bycatch cap would need to be reduced by 42% to 2,567 MT (-26.1% from 2014 use).
- **The current bycatch cap reduction options of 10% to 35% are not sufficient enough to result in any gains to Area 4CDE FCEY, under current conditions.**
- A 50% reduction to the cap reduces it to 2,213 MT (-36.3% from 2014 use)
- The Area 4CDE directed fishery FCEY has already been reduced by 65% since 2011.
 - Based on the 2015 Blue Line TCEY, a 50% reduction to the bycatch cap – a 36.3% reduction from 2014 use – results in an Area 4CDE FCEY of 1,540,000 lbs. This is an increase of 196% from the Blue Line FCEY.

*Note that these figures are based on NMFS and IPHC numbers that report where bycatch mortality occurred in the BSAI and the size composition of that bycatch in 2014, specifically:
79.3% of BSAI Bycatch was taken in 4CDE
64% of the 4CDE Bycatch was O26
3,474 MT of BSAI bycatch mortality occurred in 2014*