

Alaska Sport Halibut Fisheries through 2017



**For the International Pacific Halibut Commission
2018 Annual Meeting**

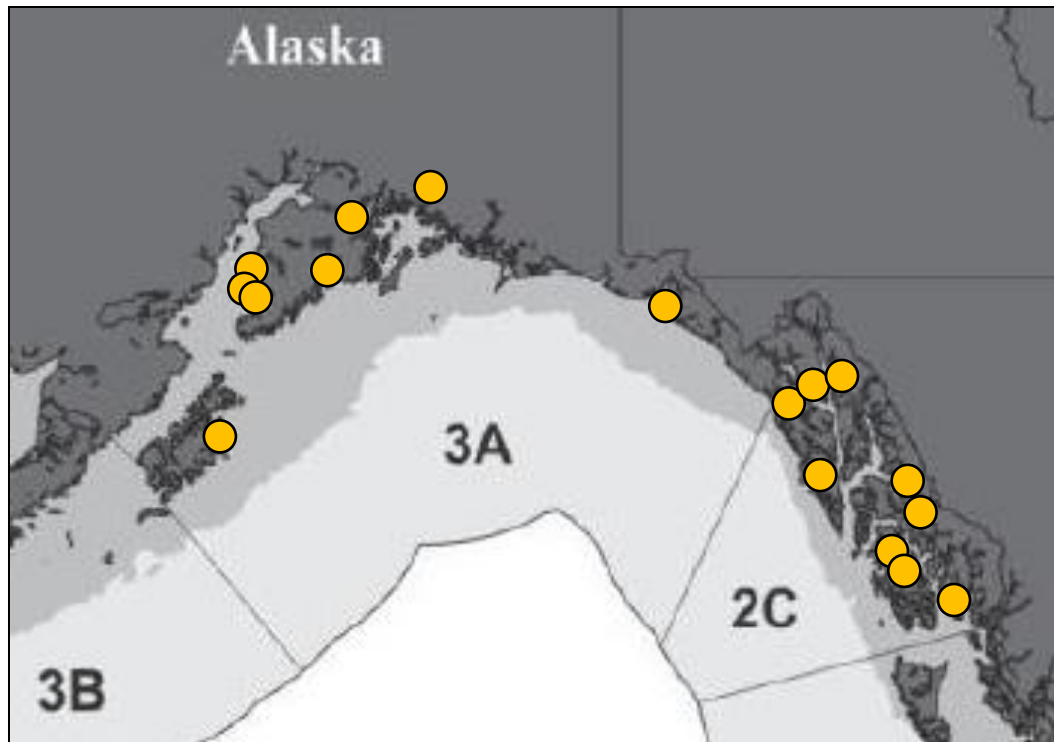
Scott Meyer
Alaska Department of Fish and Game

What estimates does ADF&G provide to IPHC?

- ▶ Numbers of halibut harvested, released (by sector, area)
- ▶ Average weight of sport harvest
- ▶ Sport harvest and release mortality in pounds
- ▶ Sport harvest prior to the mean date of IPHC survey in 2C, 3A
- ▶ Length composition (on request)
- ▶ Age and sex composition (on request, Area 3A only)

Data sources

- ▶ Charter logbook (mandatory, statewide)
- ▶ Statewide harvest survey (mail)
- ▶ Creel sampling at major ports in 2C, 3A



Charter information (2016)

▶ Active Charter Businesses and Guides

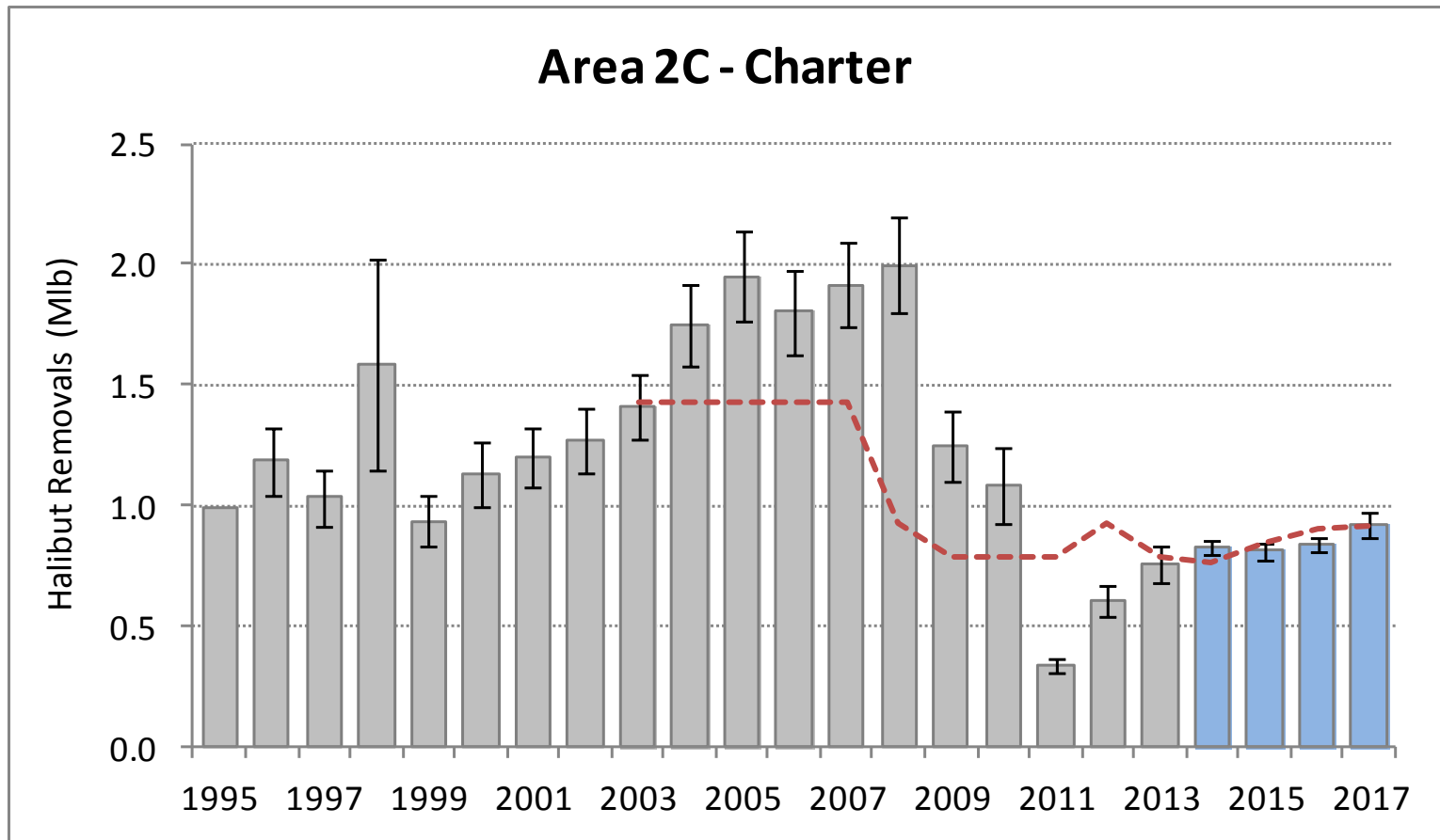
Measure	Southeast	Southcentral	Total
Active Businesses	309	256	564
Active Guides	746	531	1,235
Active Vessels	617	384	1,000

Columns not additive due to activity in both regions.

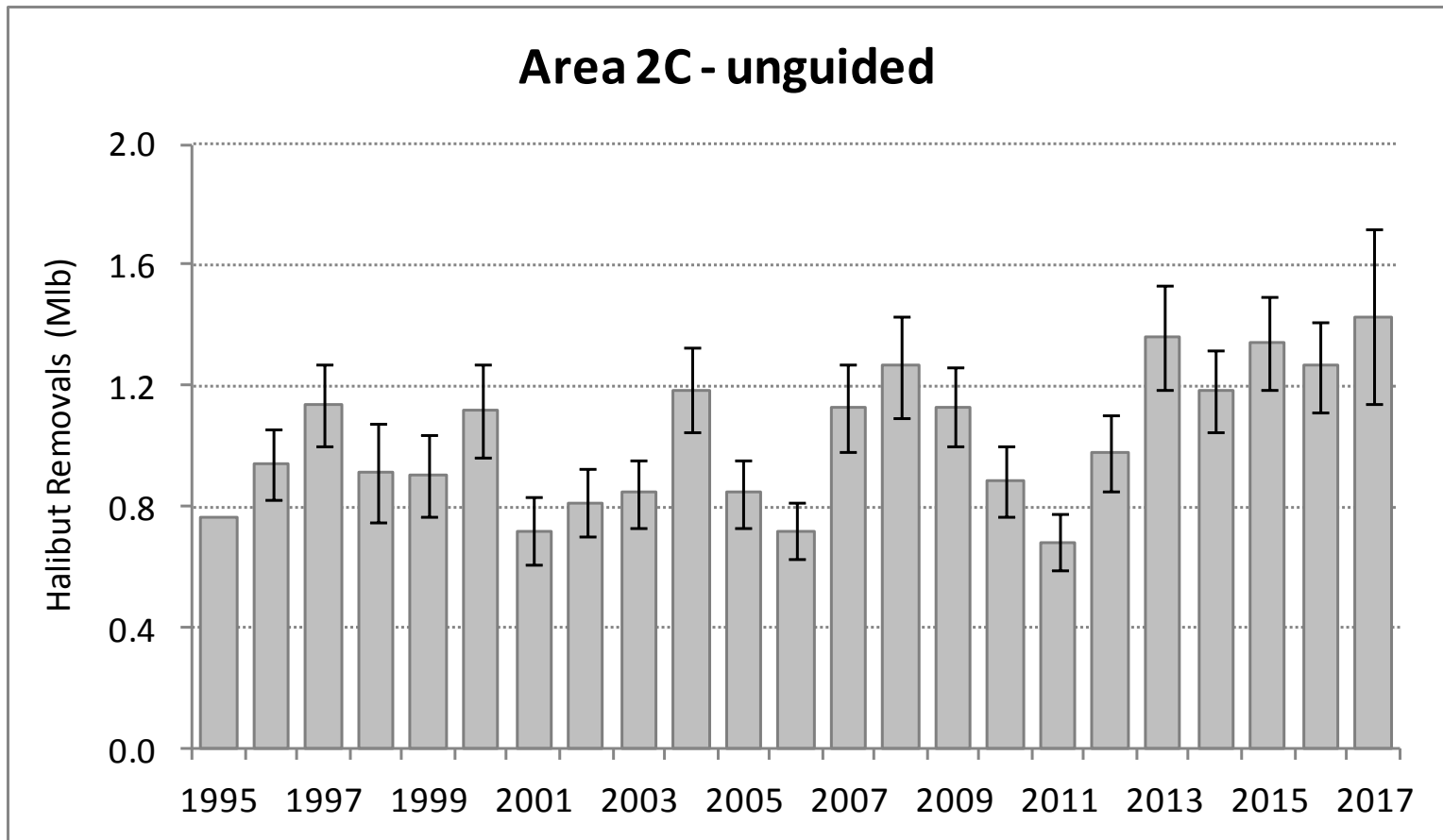
▶ Charter Vessels that Harvested Halibut

Area Fished	No. Vessels
2C	506
3A	360
2C and 3A	26
3B	2
3A and 3B	1
4A	1

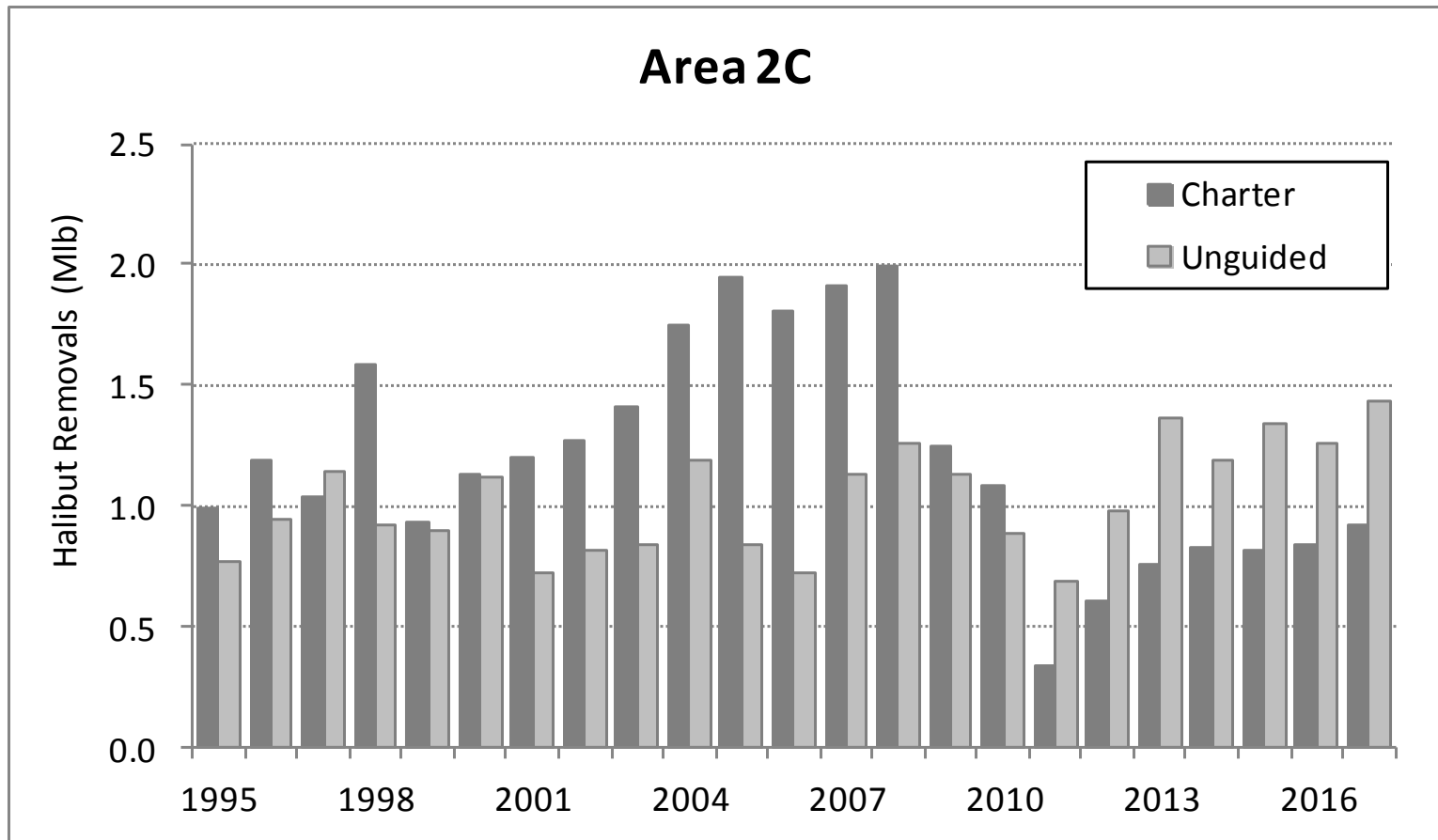
Area 2C charter



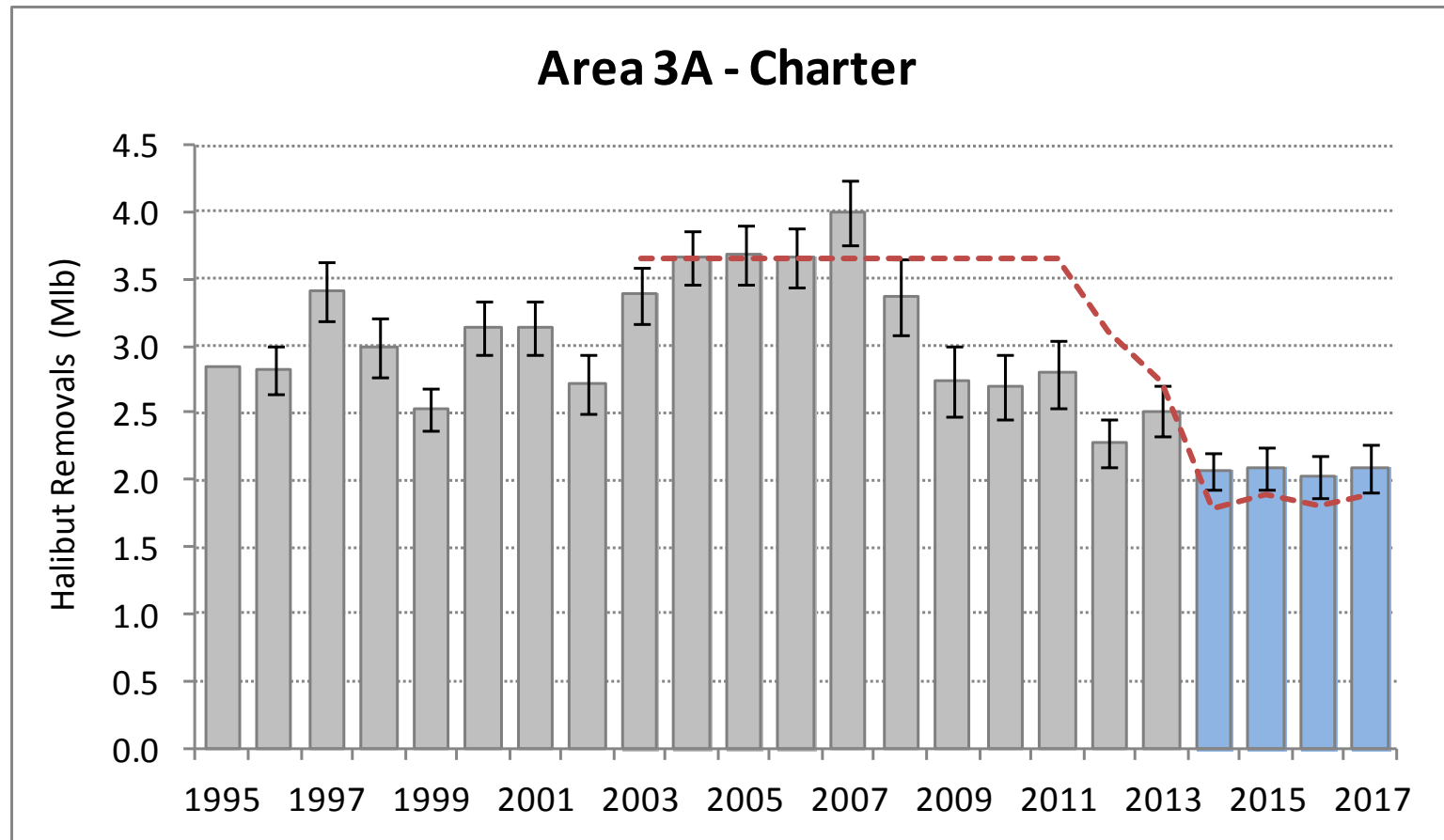
Area 2C unguided



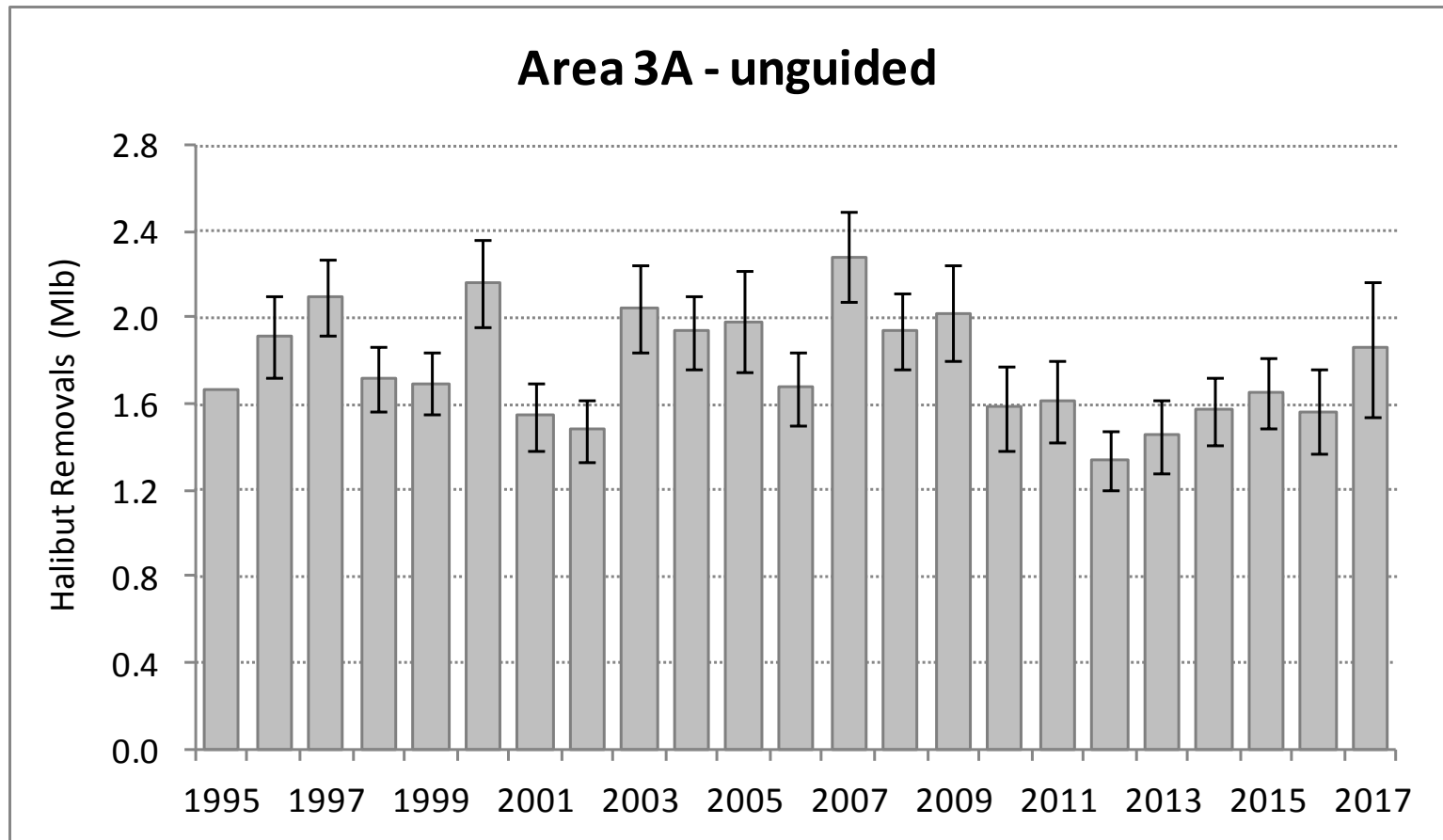
Area 2C charter and unguided



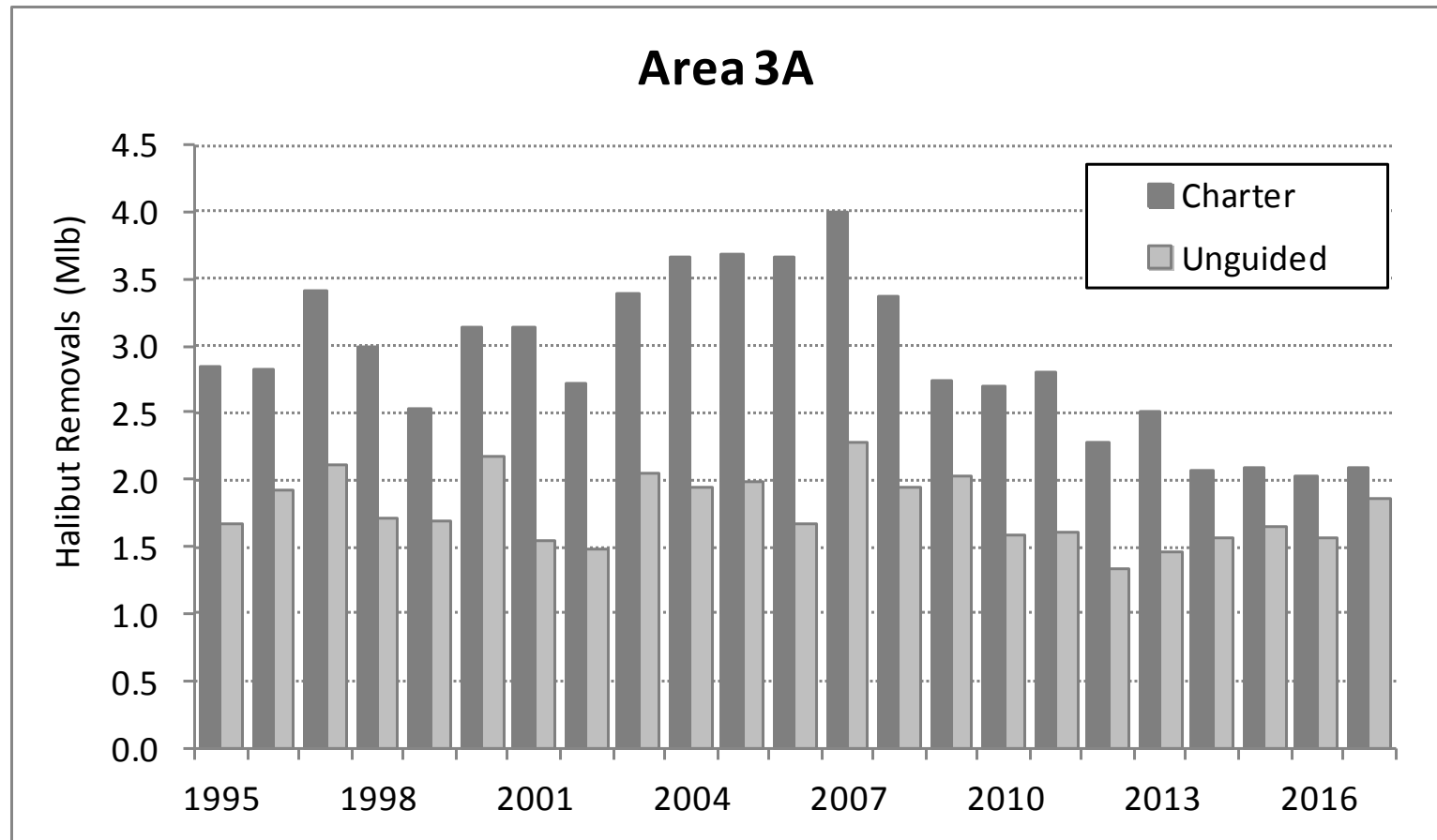
Area 3A charter



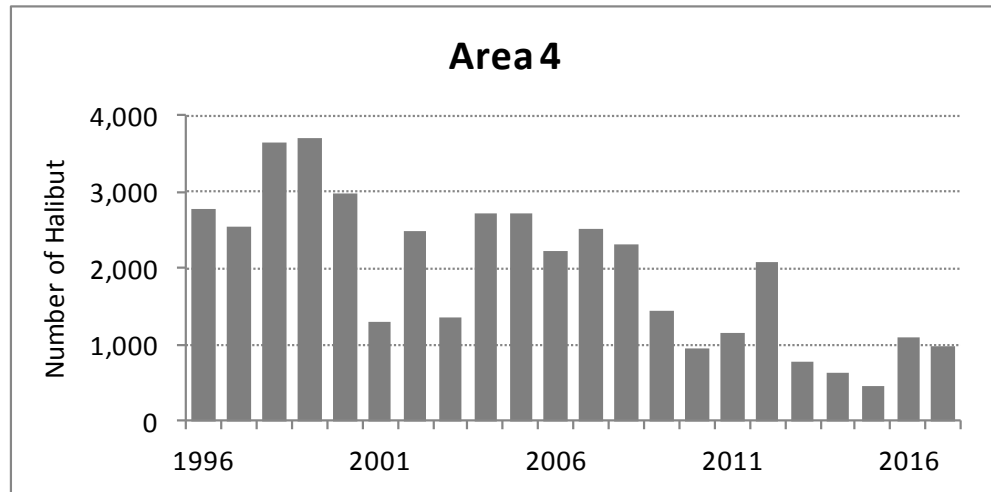
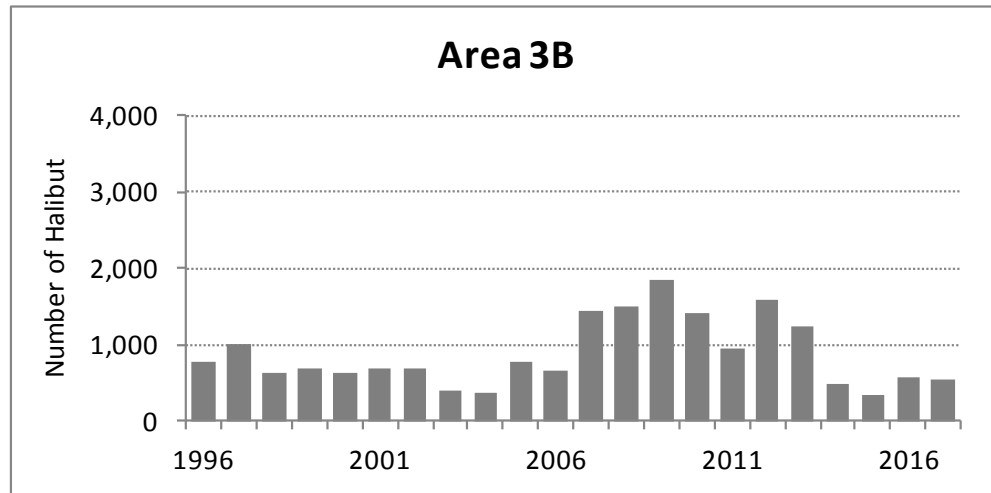
Area 3A unguided



Areas 3A – charter and unguided



Areas 3B and 4 – total sport harvest



Sport fishery release mortality

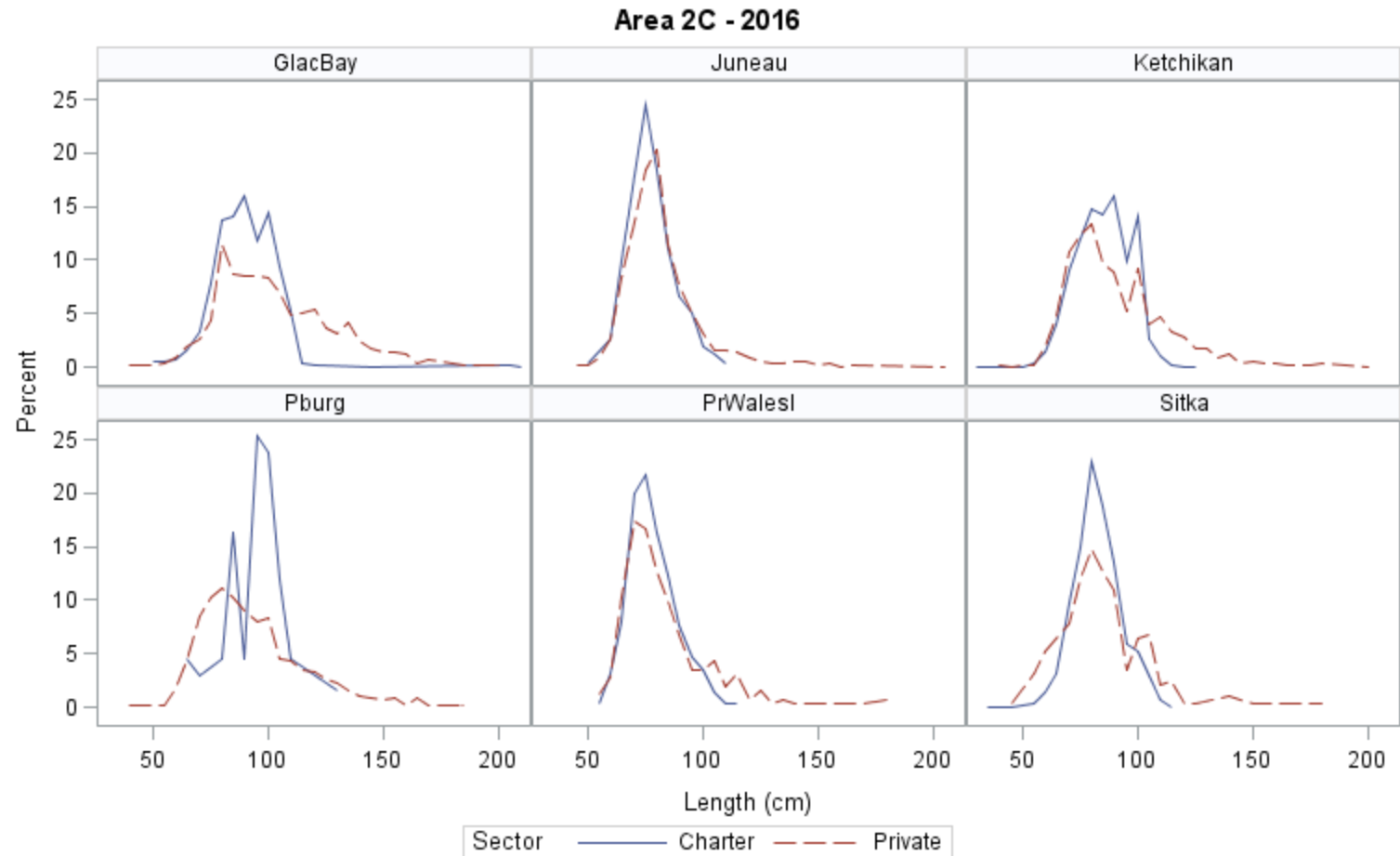
Estimated Sport Fishery Release Mortality (Mlb)

Area	Year	Yield	Total RelMort	% of Removals
2C	2014	1.954	0.062	3.1%
	2015	2.094	0.065	3.0%
	2016	2.035	0.071	3.4%
	2017	<i>2.295</i>	<i>0.059</i>	2.5%
3A	2014	3.567	0.070	1.9%
	2015	3.682	0.073	1.9%
	2016	3.542	0.056	1.6%
	2017	<i>3.905</i>	<i>0.052</i>	1.3%
3B	2014	0.007	0.000	0.0%
	2015	0.005	0.000	0.0%
	2016	0.008	0.000	0.0%
	2017	<i>0.008</i>	<i>0.000</i>	0.0%
4	2014	0.009	0.000	0.0%
	2015	0.007	0.000	0.0%
	2016	0.015	0.000	0.0%
	2017	<i>0.015</i>	<i>0.000</i>	0.0%

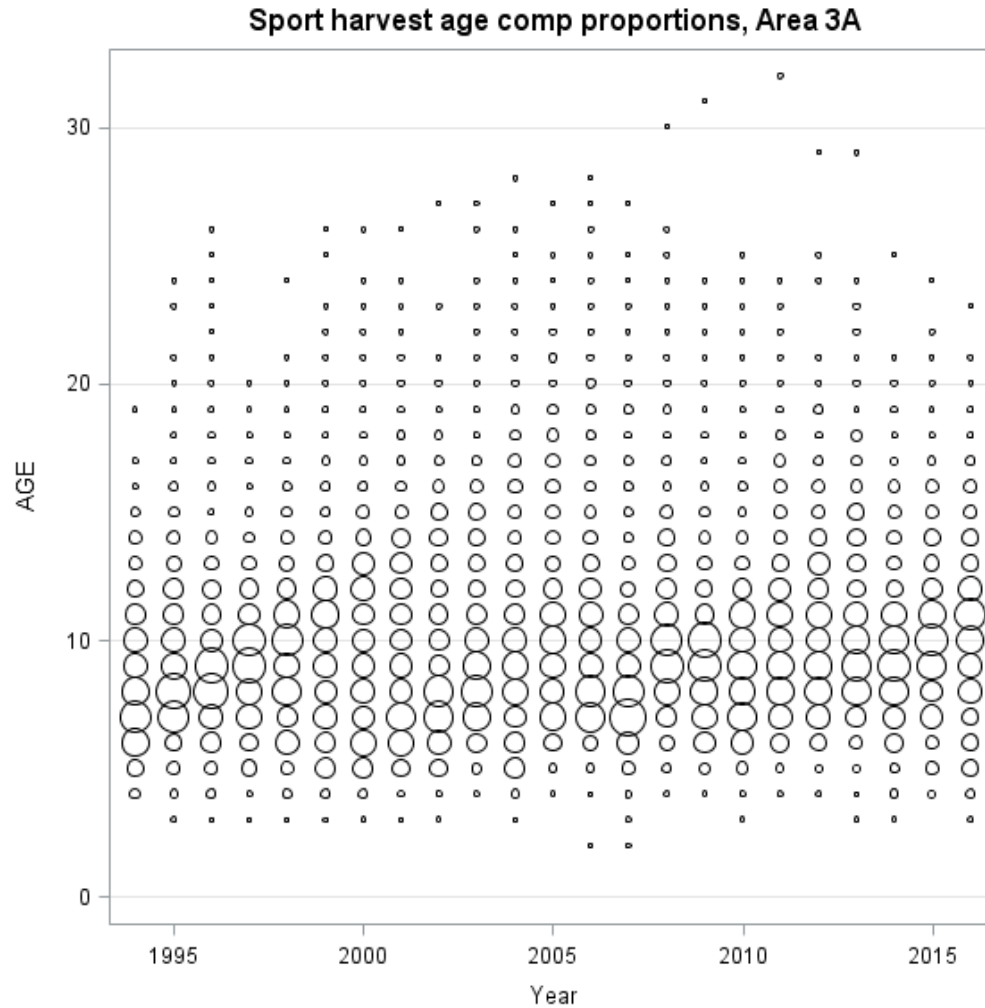
Red italics = preliminary estimates.



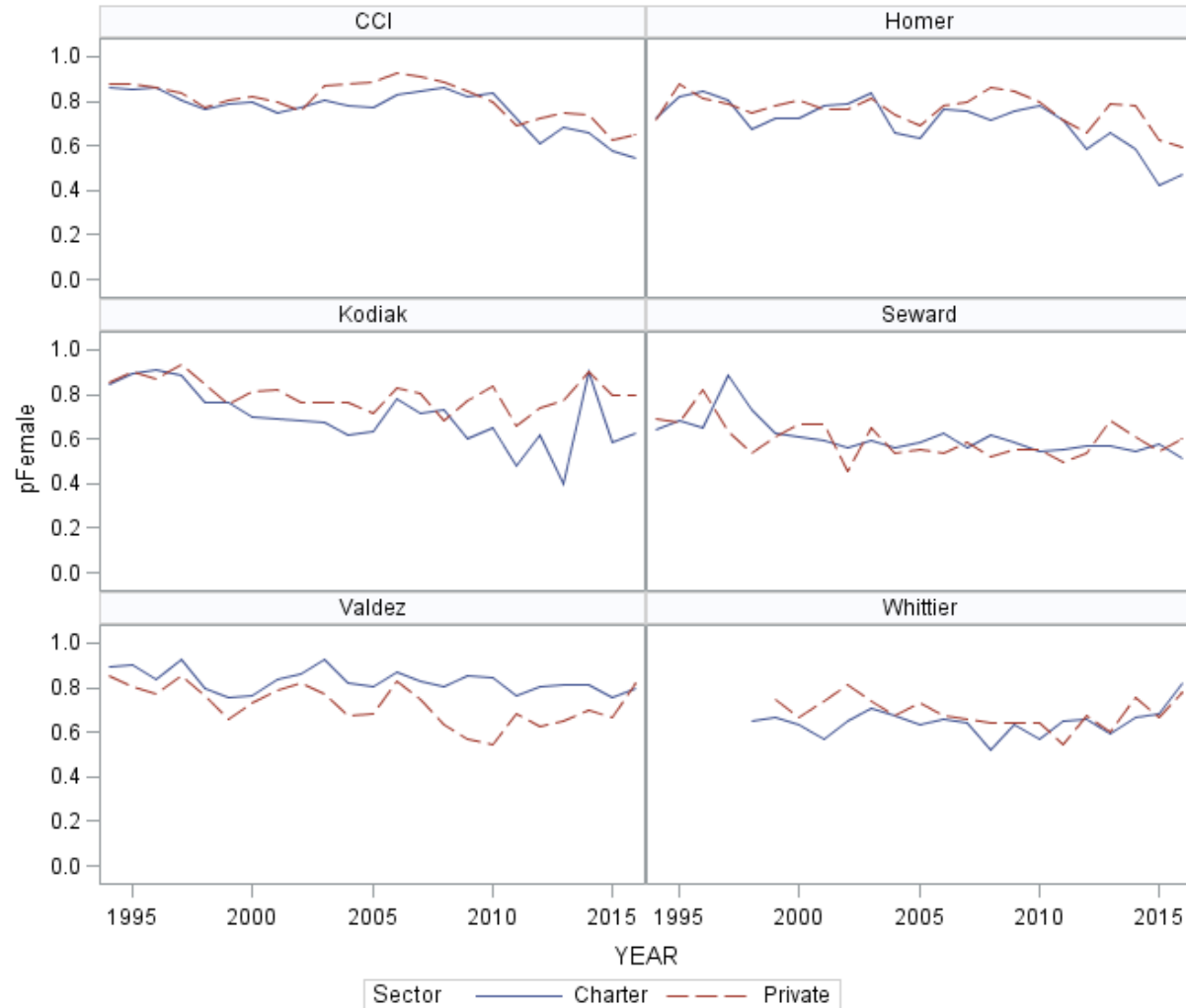
Length composition



Age composition (Area 3A only)



Sex composition (Area 3A only)



Acknowledgements

- ▶ Bob Powers – logbook data
- ▶ Diana Tersteeg, Mike Jaenicke – Southeast data
- ▶ Martin Schuster – Southcentral data
- ▶ Kathrin Sundet, Bill Romberg – SWHS
- ▶ Numerous technicians – halibut measurements and angler interviews
- ▶ Cooperating anglers and charter operators

- ▶ Funding:
State of Alaska General Funds
DJ-VWB Federal Aid in Fish Restoration

