

December 2017 Anchorage

Halibut PSC in the Western GOA
Pacific cod
Trawl A Season



ESA Section 7 Considerations

- NMFS is mandated to ensure any action is in compliance with ESA
- Only initiate consultation on final action
- Informal
- Formal
- BiOp determines jeopardy / no jeopardy
- Jeopardy RPAs
- No jeopardy Advisory conservation recommendations





U.S. Fish & Wildlife Service

ENDANGERED SPECIES ACT OF 1973

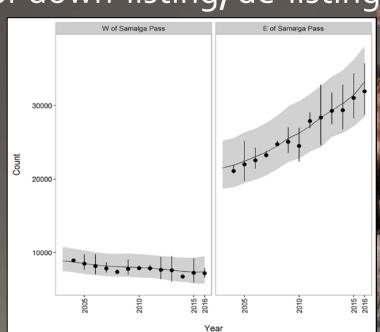
As Amended through the

108th Congress

Department of the Interior U.S. Fish and Wildlife Service Washington, D.C. 20240

Western DPS of Steller sea lions

- Boundary 144 W. Long. (Cape Suckling)
- EDPS de-listed (recovered), WDPS endangered
- 20% of historic levels
- Recovery plan criteria for down-listing, de-listing
- 7 Sub-regions
- E/W of Samalga Pass





Discussion Paper Structure

Background

• Halibut PSC

Analysis

Discussion/Options

14/COA				
WGOA		MetricTons		
Sector	Aseason	Bseason	Total	
Jig	0.594	0.396	0.03	
H&LCV	0.491	0.491	0.01	
H&LCP	0.551	0.449	0.19	
TrawICV	0.721	0.279	0.37	
TrawICP	0.372	0.628	0.02	
PotCV/CP	0.521	0.479	0.37	
Total	0.600	0.400	1.00	

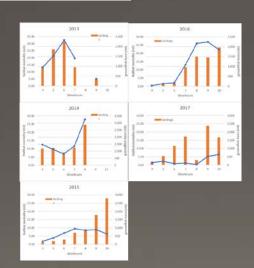
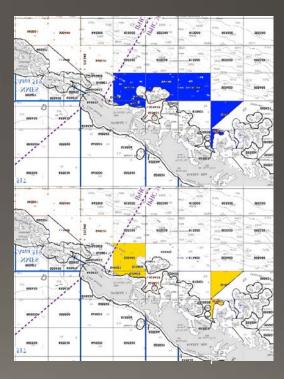


TABLE 14—	FINAL 2017	AND 2018	PACIFIC HALIBUT PSC [Values are in metri		LOWANCES,	AND APPORTIONMENT	5
Trawl	l gear			Hoo	k-and-line ge	ar ¹	
Season	Daniel		Other ti	Other than DSR		DSR	
Season	Percent	Amount	Season	Percent	Amount	Season	Amount
January 20-April 1	27.5	469	January 1-June 10	86	221	January 1-December 31.	9
April 1-July 1 July 1-September 1	20 30	341 512	June 10-September 1 September 1-Decem- ber 31.	12 12	5 31		
September 1–October 1 October 1–December 31.	7.5 15	128 256					
Total		1 700			257		

The Pacific hallbut prohibited species catch (PSC) limit for hook-and-line gear is allocated to the demersal shelf rockfish (DSR) fishery and fisheries other than DSR. The hook-and-line sablefish IFQ fishery is exempt from hallbut PSC limits, as are pot and jig gear for all groundfish fisheries. Note: Seasonal or sector apportionments may not total precisely due to rounding.



Background

The annual Pacific cod TAC is apportioned 60% to the A season and 40% to the B season in the Western and Central Regulatory Areas of the GOA.

WGOA		Pct	
Sector	Aseason	Bseason	Total
Jig	59.4%	39.6%	2.5%
H&LCV	49.1%	49.1%	1.4%
H&LCP	55.1%	44.9%	19.3%
TrawlCV	72.1%	27.9%	37.4%
TrawlCP	37.2%	62.8%	2.3%
PotCV/CP	52.1%	47.9%	37.1%
Total	60.0%	40.0%	100.0%

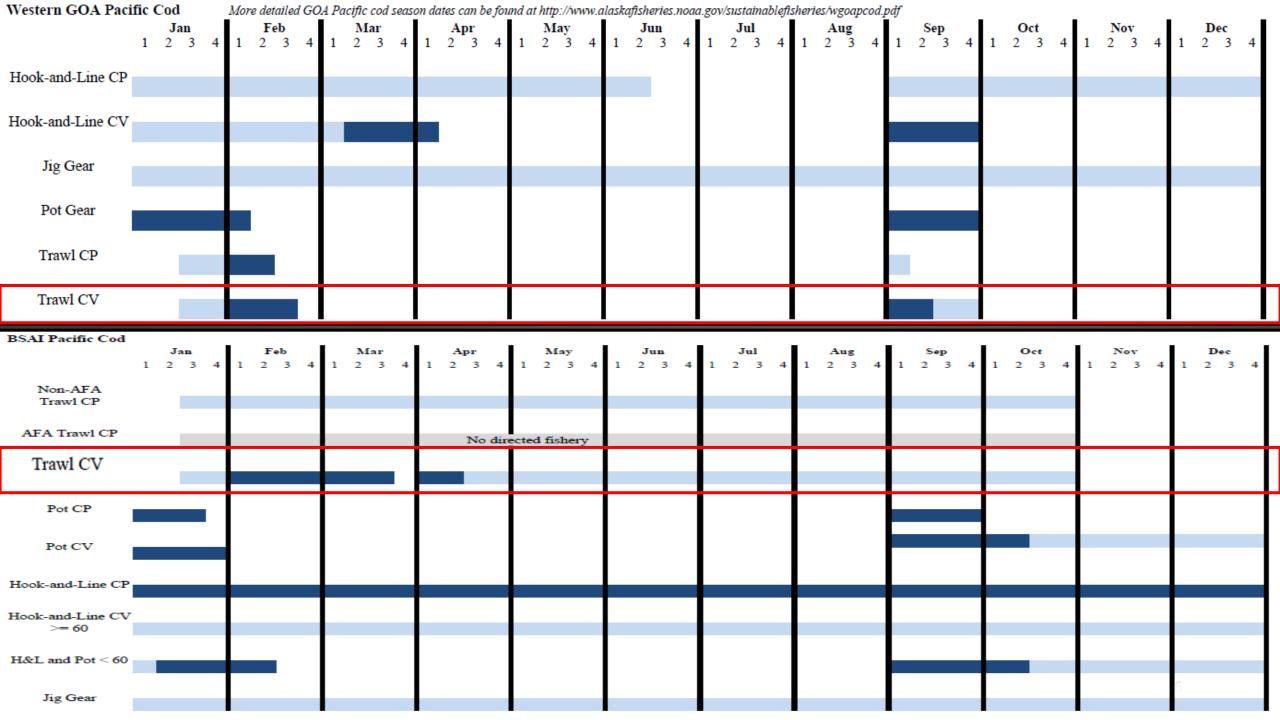
Table 5—Final 2017 Seasonal Apportionments and Allocation of Pacific Cod Total Allowable Catch Amounts in the GOA; Allocations for the Western GOA and Central GOA Sectors and the Eastern GOA Inshore and Offshore Processing Components

[Values are rounded to the nearest metric ton and percentages to the nearest 0.01. Seasonal allowances may not total precisely to annual allocation amount]

		A se	ason	B season	
Regulatory area and sector	Annual allocation (mt)	Sector percentage of annual non-jig TAC	Seasonal allowances (mt)	Sector percentage of annual non-jig TAC	Seasonal allowances (mt)
Western GOA:					
Jig (2.5% of TAC)	635	N/A	381	N/A	254
Hook-and-line CV	347	0.70	173	0.70	173
Hook-and-line C/P	4,904	10.90	2,700	8.90	2,204
Trawl CV	9,511	27.70	6,861	10.70	2,650
Trawl C/P	594	0.90	223	1.50	372
All Pot CV and Pot C/P	9,412	19.80	4,904	18.20	4,508
Total	25,404	60.00	15,242	40.00	10,161
Jig (1.0% of TAC)	331	N/A	199	N/A	133
Hook-and-line <50 CV	4,790	9.32	3,056	5.29	1.734
Hook-and-line ≥50 CV	2,200	5.61	1,840	1.10	360
Hook-and-line C/P	1,674	4.11	1,347	1.00	327
Trawl CV1	13,641	21.14	6,933	20.45	6,708
Trawl C/P	1,377	2.00	657	2.19	720
All Pot CV and Pot C/P	9,121	17.83	5,849	9.97	3,272
Total	33,135	60.00	19,881	40.00	13,254
Eastern GOA		. Inshore (90% of Annual TAC) Offshore (10% of Annual		of Annual TAC)	
	5,903	903 5,313 590		•	
1 Tues de casa de mantiain atinan in Dealaíale Desamons accurant		1 1 00	0		TAO / T-I-I-

¹Trawl vessels participating in Rockfish Program cooperatives receive 3.81 percent, or 1,262 mt, of the annual Central GOA TAC (see Table 28c to 50 CFR part 679), which is deducted from the Trawl CV B season allowance (see Table 12).

If a sector will be unable to harvest its allocation, regs allow for reallocation in order for the TAC to be harvested.



Halibut PSC

Seasonal Apportionment

Season	Shallow- water	Deep- water ¹	Total
January 20 - April 1	384	85	469
April 1 - July 1	85	256	341
July 1 - September 1	171	341	512
September 1 - October 1	128	Any remainder	128
Subtotal, January 20 - October 1	768	682	1,450
October 1 - December 31 ²			256
Total			1,706

Season	Sha	llow-water	Deep-	vater ¹	Total
January 20 - April 1		384		135	519
April 1 - July 1		85		256	341
July 1 - August 1		121		341	462
August 1 - October 1		53		75	128
Subtotal January 20 - October 1		643		807	1,450
October 1 - December 31 ²					256
Total					1,706

Halibut PSC

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Halibut PSC

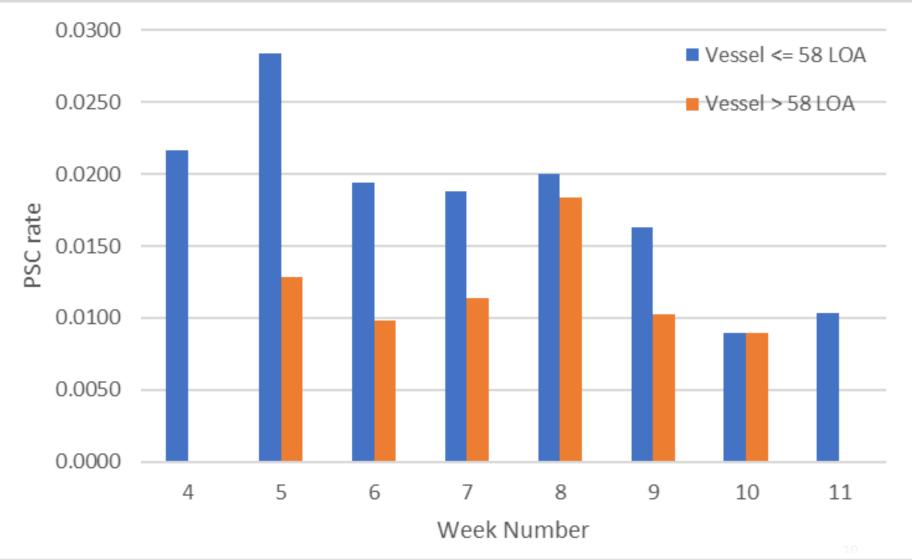
• CAS - Monitors

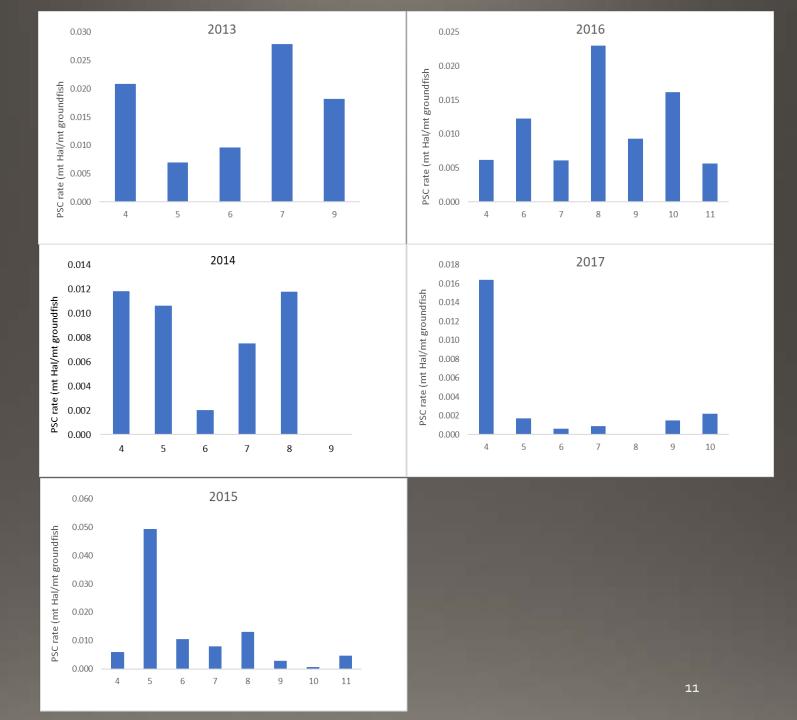
- PSC "rate"
- Groundfish Basis Weight
- PSC Estimate
- Halibut mortality

Database

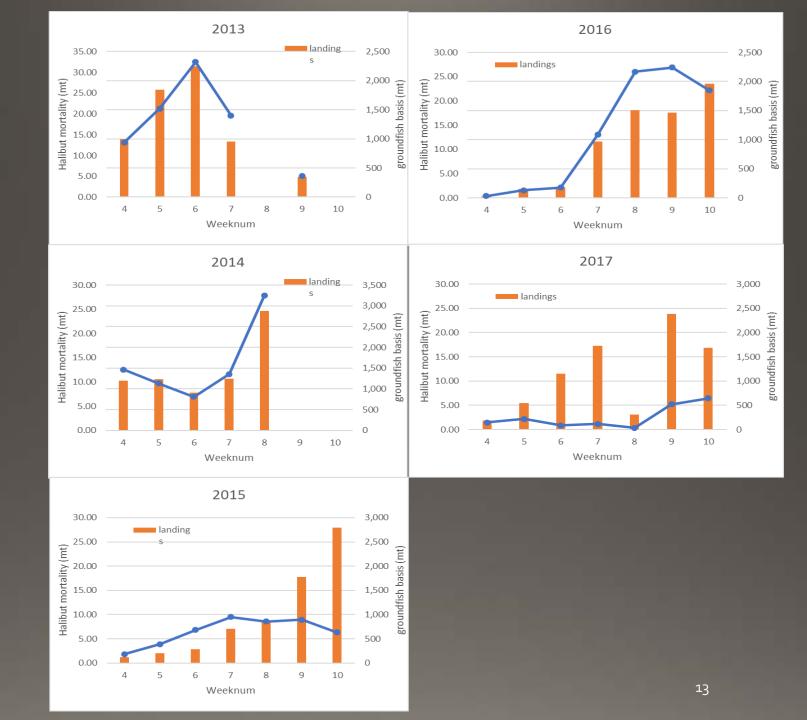
- ≤ 58′ LOA
- >58' LOA

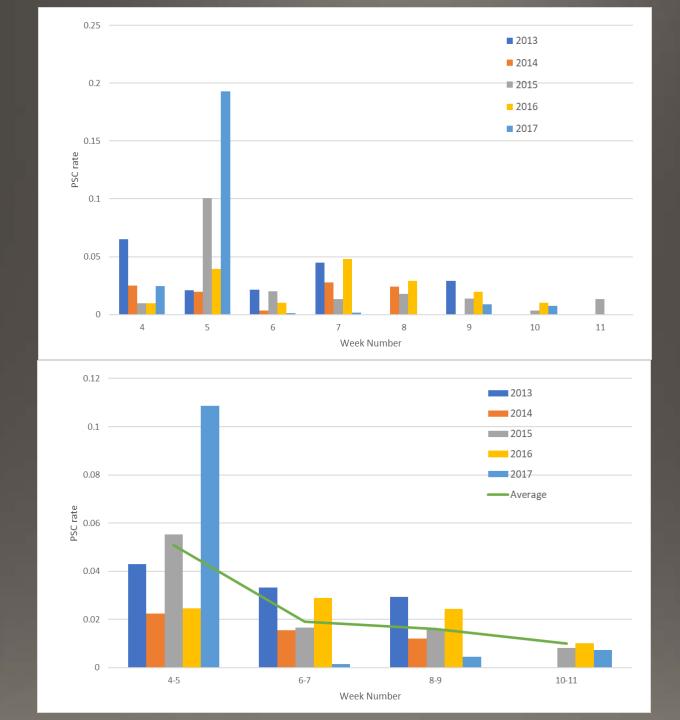












Conclusions

Explanation

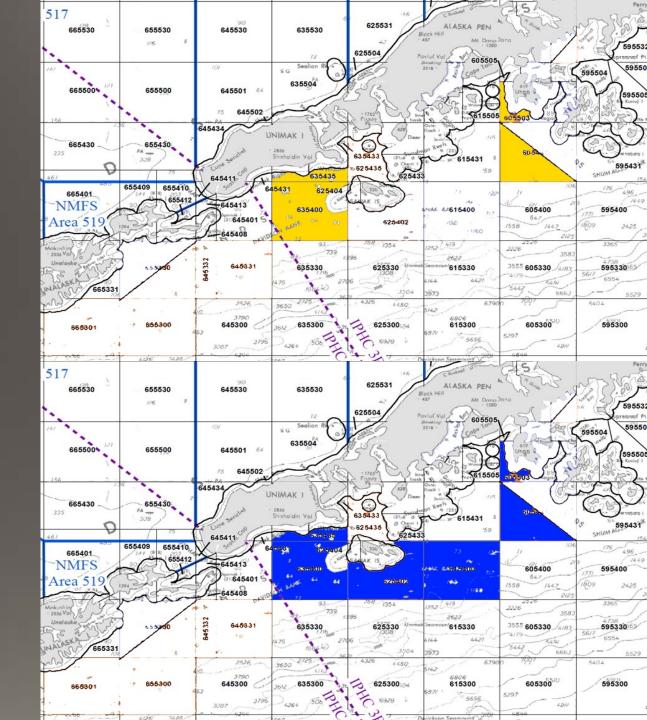
Response

1.	The start of the season involves a learning process each year where the vessel operators find out where the halibut are by catching them and then avoiding those areas	A start date might not be effective since the learning curve would just be delayed
2.	Halibut and Pacific cod are more closely associated with each other at the start of the season.	Consider shifting start date so season opens when the species are differently distributed.
3.	Pacific cod are not aggregated enough to be caught efficiently (relatively low fishery CPUE). Because fishing is inefficient, tows are longer, and this increases halibut PSC.	Consider shifting start date so season opens when Pacific cod are typically more aggregated.

Conclusions

> 58' LOA

≤ 58′ LOA



Conclusions

- Western DPS of SSL
- Other Fed/State fisheries
- Shoreside processing
- Regulatory discards
- WGOA / CGOA / BSAI effort spillover
- Reductions in availability of halibut PSC

CG v WG PSC

Year	CG	WG
2013	1,088	140
2014	1,249	145
2015	1,332	77
2016	1,189	139
2017	976	32
Total	5,835	534