

Science Center Activity Report

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Summary of the Estimated Numbers of Salmon Caught in Groundfish Bottom Trawls, 2005-06

Area	Chinook		Coho	
	2005	2006	2005	2006
North of Cape Falcon	572	42	5	0
Cape Falcon - Cape Blanco	108	5	0	0
Total: North of Cape Blanco	680	47	5	0
Cape Blanco - Cape Mendocino	115	5	0	0
South of Cape Mendocino	4	44	0	19
Total: South of Cape Blanco	119	49	0	19
Coastwide Total	799	96	5	19
Pacific Hake Trawl Fishery¹	11,916	3,975		

¹ Obtained from summary reports produced by the NMFS Northwest Regional Office

There was no observed catch of Chum or "Unspecified" salmon in either year

Alternative Methods for Estimating Bottom-Trawl Discards

- NWFSC trawl fleet discard estimates have used retained tonnage to expand observed discard up to all trips with logbook records
 - Retained tonnage is verifiable on fishtickets
- This expansion can also be conducted using tow duration, rather than target tonnage
 - Tow duration is self-reported on some, but not all logbooks
- With either approach, a measure of retained tonnage must be used to expand estimates to include trips with fish tickets but no logbook records
- We have conducted a comparison of discard estimates using these two approaches

Comparison of Estimated Amounts of Discard Using Alternative Methods of Data Expansion

	Difference in discards between Alternative 2 (using tow duration) and the status quo method (Alternative 1)					
	2004		2005		2006	
	mt	%	mt	%	mt	%
Sum of differences for all non-rebuilding species	2,614	28%	411	5%	-778	-9%
Canary rockfish	0.5	8%	5.0	23%	-0.8	-4%
Widow rockfish	0.8	25%	-0.2	-7%	-0.1	-19%
Yelloweye rockfish	-0.01	-2%	0.1	18%	-0.003	-0.4%
Darkblotched rockfish	3.1	9%	-0.1	0%	-12.7	-14%
South of 40°10' only						
Bocaccio	0.9	18%	-17.1	-62%	-7.9	-43%
Cowcod	0.1	14%	-1.3	-93%	-0.2	-24%
North of 40°10' only						
Pacific ocean perch	2.3	10%	-0.3	-2.6%	-0.3	-4%
Sum of differences for all rebuilding species	7.7	11%	-13.8	-16%	-22.0	-16%

Note: **negative** numbers indicate that Alternative 2 results in LOWER discard estimates.