

FLC Monitoring

Sea State

17 October, 2016

Overview

The total cumulative catch of Pacific cod at the end of 2016-10-08 was 90,363 mt. At the same week in the previous year, the cumulative catch was 86,784 mt (Table 1). Halibut encounters to date has decreased by 26% over last year. The cumulative halibut mortality to date for 2016 is 162 mt, and at the same time last year 219 mt.

Table 1: Catch statistics (in metric tons) for week ending 2016-10-08 (Week 41).

	Cumulative 2015	Cumulative 2016	Week 41 2015	Week 41 2016
P. Halibut	2,422	1,792	79	36
P. Cod	86,784	90,363	1,980	1,806
Avg. Rate (kg/mt)	22	15	29	15
Number of Sets	10,673	9,786	291	287
Halibut Mortality	219	162	7.1	3.2

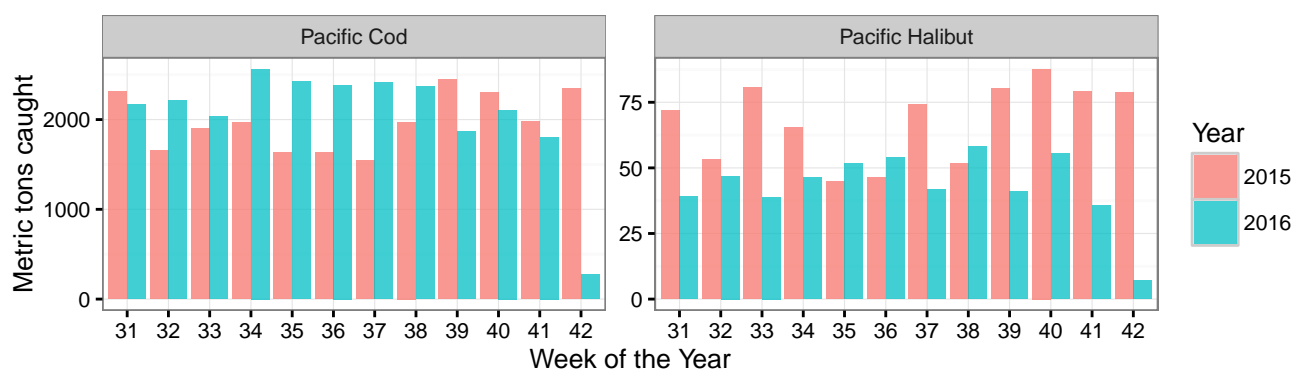


Figure 1: Weekly catch of Pacific cod, and encounters (mt) of Pacific Halibut.

NMFS Stat Area Summary

Table 2: Halibut encounter rates for the week ending 2016-10-08.

Trip Target	NMFS Area	Groundfish (mt)	Halibut (kg)	Rate (kg/mt)	Halibut Mortality (mt)
Cod	509	174.4	10,006	57.4	0.9005
Cod	513	23.6	738	31.3	0.0664
Cod	516	3.6	395	110.8	0.0356
Cod	517	395.9	18,467	46.6	1.6620
Cod	521	1,488.1	3,603	2.4	0.3243
Cod	523	13.1	15	1.2	0.0014
Cod	524	252.2	2,574	10.2	0.2320
Turbot	521	11.0	0	0.0	0.0000
Total	NA	2,361.8	35,797	15.2	3.2221

Vessel Rates and Ranking

Table 3: Vessel rates in kg of halibut per ton of groundfish for the week ending 2016-10-08.

Trip Target	Vessel	Rate	Rank
Cod	BLUE BALLARD	0.16	1
Cod	DEEP PACIFIC	0.57	2
Cod	BLUE NORTH	1.39	3
Cod	OCEAN PROWLER	1.42	4
Cod	FRONTIER MARINER	1.91	5
Cod	CLIPPER EPIC	2.11	6
Cod	FRONTIER EXPLORER	2.68	7
Cod	GLACIER BAY	2.77	8
Cod	BLUE ATTU	2.84	9
Cod	BEAUTY BAY	2.98	10
Cod	ALASKAN LEADER	4.40	11
Cod	FRONTIER SPIRIT	7.33	12
Cod	U S LIBERATOR	11.85	13
Cod	ALASKAN LADY	14.38	14
Cod	BERING LEADER	16.49	15
Cod	SIBERIAN SEA	24.53	16
Cod	CLIPPER ENDEAVOR	49.23	17
Cod	LILLI ANN	52.33	18
Cod	CLIPPER SURPRISE	65.13	19
Cod	COURAGEOUS	72.29	20
Cod	ALASKA MIST	113.81	21
Turbot	CLIPPER SURPRISE	0.00	1

Viability Sampling

Total number of hauls sampled to date is 5,569, and the total number of hauls sampled in 2015 was 8,349.

Table 4: Viability samples as of 2016-10-10

Trip Target	Injury Type	Year-to-date	Week 41	Week 40
Cod	Minor	4,571	149	151
Cod	Moderate	368	6	7
Cod	Severe	36	1	0
Cod	Dead	76	3	3
OtherSpecies	Minor	3	0	0
Turbot	Minor	14	0	0
Turbot	Moderate	1	0	0
Turbot	Severe	1	0	0

Discard Mortality Rates (DMR)

The 2016 discard mortality rate based on all viability samples (Table 4) to date is 7.79% for trips targeting Cod (Table 5), and 3.5% for trips targeting OtherSpecies.

Trip Target	DMR Year-to-date	Week 41	Week 40
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Table 5: Halibut discard mortality rates based on viability sampling.

Trip Target	DMR Year-to-date	Week 41	Week 40
Cod	7.79%	6.95%	6.72%
OtherSpecies	3.5%	0%	0%
Turbot	9.47%	0%	0%

Blue King Crab

Total number of blue king crab caught in hook & line gear to date in 2016 is 634. In 2015 the total number of blue king crab was 488.

Table 6: Number of Blue King Crab caught in Reporting Area in week 41. No activity is denoted with NA.

Area	Week 41 (2015)	Week 41 (2016)
509	0	0
513	8	0
514	0	NA
516	NA	0
517	0	0
519	0	NA
521	9	13
523	NA	0
524	0	1
541	0	NA
543	NA	0
610	0	0
620	0	NA
659	NA	0

Sea Birds

**NOTE: Work in progress. I'm still trying to validate these numbers with the regional office. Stay tuned.

Name	2015	2016
Auklet/Murrelet Unidentified	1	NA
Bird Unidentified	56	90
Black-Footed Albatross	2	4
Black-Legged Kittiwake	3	1
Crested Auklet	2	NA
Dark Shearwater Unidentified	13	2
Glaucus Gull	8	16
Glaucus-Winged Gull	4	10
Gull Unidentified	272	85
Laysan Albatross	27	9
Northern Fulmar	877	1,098
Red-Legged Kittiwake	4	NA
Sea Birds Unidentified	4	2
Shearwater Unidentified	16	266
Short-Tailed Shearwater	62	628

Name	2015	2016
Sooty Shearwater	15	249