

# FLC Monitoring

*Sea State*

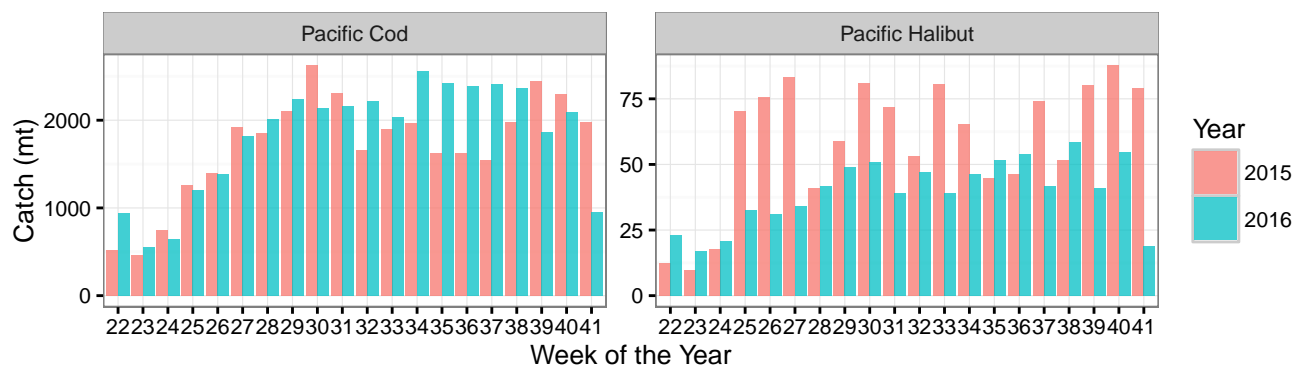
*06 October, 2016*

## Overview

The total cumulative catch of Pacific cod at the end of 2016-10-01 was 88,547 mt. At the same week in the previous year, the cumulative catch was 84,804 mt (Table 1). Halibut catch to date has decreased by 25% over last year.

Table 1: Catch statistics for week ending 2016-10-01 (Week 40).

	Cumulative 2015	Cumulative 2016	Week 40 2015	Week 40 2016
<b>P. Halibut (mt)</b>	2,343	1,756	88	55
<b>P. Cod (mt)</b>	84,804	88,547	2,303	2,098
<b>Avg. Rate (kg/mt)</b>	22	15	27	20
<b>Number of Sets</b>	10,382	9,498	384	261



## NMFS Stat Area Summary

Table 2: Halibut encounter rates for the week ending 2016-10-01.

Trip Target	NMFS Area	Groundfish (mt)	Halibut (kg)	Rate (kg/mt)	Halibut Mortality (mt)
Cod	509	221.5	12,821	57.9	1.1928
Cod	512	12.8	2,216	172.6	0.1994
Cod	513	20.9	1,375	65.9	0.1237
Cod	516	12.0	732	60.9	0.0658
Cod	517	521.1	20,787	39.9	1.8714
Cod	521	1,426.2	11,042	7.7	0.9977
Cod	524	777.2	10,370	13.3	0.9353
OtherSpecies	509	5.2	21	4.0	0.0021
OtherSpecies	513	9.6	0	0.0	0.0000

## Vessel Rates and Ranking

Table 3: Vessel rates in kg of halibut per ton of groundfish for the week ending 2016-10-01.

Trip Target	Vessel	Rate	Rank
Cod	GLACIER BAY	0.098	1
Cod	BLUE NORTH	0.750	2
Cod	FRONTIER EXPLORER	1.027	3
Cod	BLUE BALLARD	1.056	4
Cod	CLIPPER EPIC	1.183	5
Cod	OCEAN PROWLER	1.397	6
Cod	FRONTIER MARINER	2.478	7
Cod	ALASKAN LADY	5.989	8
Cod	BLUE ATTU	7.035	9
Cod	BERING LEADER	8.304	10
Cod	BEAUTY BAY	8.531	11
Cod	U S LIBERATOR	8.647	12
Cod	ALASKAN LEADER	11.791	13
Cod	FRONTIER SPIRIT	12.664	14
Cod	SIBERIAN SEA	22.468	15
Cod	BRISTOL LEADER	24.365	16
Cod	COURAGEOUS	39.938	17
Cod	LILLI ANN	48.354	18
Cod	CLIPPER ENDEAVOR	56.292	19
Cod	DEEP PACIFIC	64.942	20
Cod	CLIPPER SURPRISE	70.961	21
Cod	ALASKA MIST	98.125	22

## Viability Sampling

Total number of hauls sampled to date is 5,469, and the total number of hauls sampled in 2015 was 8,349.

Table 4: Viability samples as of 2016-10-02

Trip Target	Injury Type	Year-to-date	Week 40	Week 39
Cod	Minor	4,356	126	84
Cod	Moderate	360	6	6
Cod	Severe	35	0	0
Cod	Dead	71	2	1
OtherSpecies	Minor	3	0	1
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 7.82% for trips targeting Cod (Table 5), and 3.5% for trips targeting OtherSpecies.

Table 5: Halibut discard mortality rates based on viability sampling.

Trip Target	DMR Year-to-date	Week 40	Week 39
Cod	7.82%	6.41%	6.72%
OtherSpecies	3.5%	0%	3.5%

Trip Target	DMR Year-to-date	Week 40	Week 39
Turbot	9.47%	0%	0%

## Blue King Crab

Total number of blue king crab caught in hook & line gear to date in 2016 is 620. In 2015 the total number of blue king crab was 488.

Table 6: Number of Blue King Crab caught in Reporting Area in week 40. No activity is denoted with NA.

Area	Week 40 (2015)	Week 40 (2016)
509	0	0
512	NA	0
513	13	0
514	0	NA
516	NA	0
517	0	0
519	0	0
521	0	7
523	0	NA
524	0	4
541	0	0
542	0	0
543	NA	0
610	0	0
620	NA	0
630	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	85
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	84
Laysan Albatross	27	9
Northern Fulmar	876	1,076
Red-Legged Kittiwake	4	NA
Sea Birds Unidentified	4	2
Shearwater Unidentified	16	266
Short-Tailed Shearwater	62	628
Sooty Shearwater	15	249