

# FLC Monitoring

*Sea State*

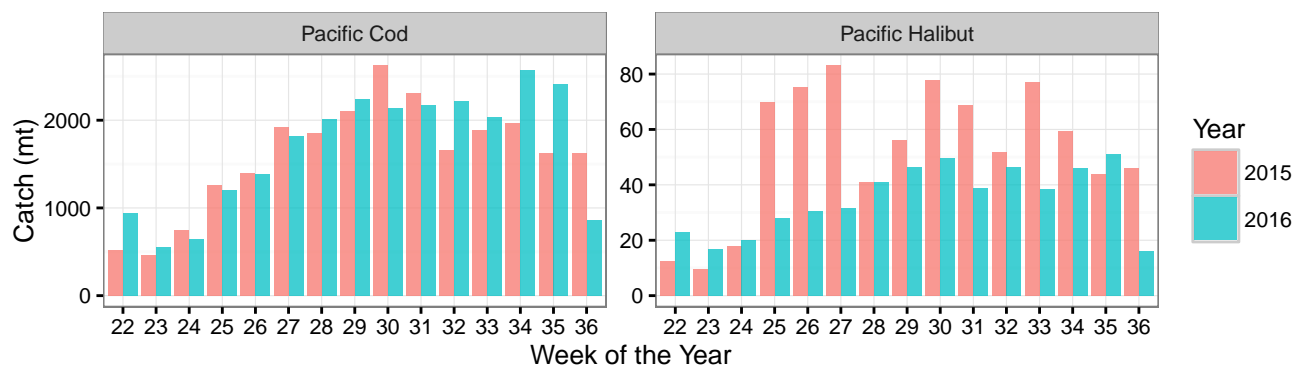
*01 September, 2016*

## Overview

The total cumulative catch of Pacific cod at the end of 2016-08-27 was 77,388 mt. At the same week in the previous year, the cumulative catch was 74,880 mt (Table 1). Halibut catch to date has decreased by 24.8% over last year.

Table 1: Catch statistics for week ending 2016-08-27 (Week 35).

	Cumulative 2015	Cumulative 2016	Week 35 2015	Week 35 2016
<b>P. Halibut (mt)</b>	1,981	1,491	44	51
<b>P. Cod (mt)</b>	74,880	77,388	1,630	2,412
<b>Avg. Rate (kg/mt)</b>	21	15	20	16
<b>Number of Sets</b>	8,365	7,805	257	276



## NMFS Stat Area Summary

Table 2: Halibut encounter rates for the week ending 2016-08-27.

Trip Target	NMFS Area	Groundfish (mt)	Halibut (kg)	Rate (kg/mt)	Halibut Mortality (mt)
Cod	509	354	11,982	33.9	1.11
Cod	513	207	5,876	28.3	0.53
Cod	517	295	11,389	38.7	1.03
Cod	521	751	14,189	18.9	1.28
Cod	523	76	3,452	45.5	0.31
Cod	524	1,646	7,713	4.7	0.69

## Vessel Rates and Ranking

Table 3: Vessel rates in kg of halibut per ton of groundfish for the week ending 2016-08-27.

Trip Target	Vessel	Rate	Rank
Cod	CLIPPER EPIC	0.83	1

Trip Target	Vessel	Rate	Rank
Cod	OCEAN PROWLER	0.89	2
Cod	BERING PROWLER	0.98	3
Cod	U S LIBERATOR	1.06	4
Cod	ALASKAN LADY	1.29	5
Cod	PROWLER	3.26	6
Cod	BRISTOL LEADER	3.96	7
Cod	BLUE ATTU	5.70	8
Cod	BERING LEADER	6.74	9
Cod	SIBERIAN SEA	8.90	10
Cod	FRONTIER MARINER	17.86	11
Cod	DEEP PACIFIC	20.60	12
Cod	GLACIER BAY	21.84	13
Cod	ARCTIC PROWLER	25.18	14
Cod	FRONTIER SPIRIT	28.35	15
Cod	FRONTIER EXPLORER	42.13	16
Cod	LILLI ANN	44.55	17
Cod	CLIPPER SURPRISE	45.22	18
Cod	BLUE BALLARD	46.66	19
Cod	CLIPPER ENDEAVOR	52.54	20

### Viability Sampling

Total number of hauls sampled to date is 4,531, and the total number of hauls sampled in 2015 was 8,107.

Table 4: Viability samples as of 2016-08-31

Trip Target	Injury Type	Year-to-date	Week 35	Week 34
Cod	Minor	3,380	142	124
Cod	Moderate	299	4	11
Cod	Severe	28	4	0
Cod	Dead	65	1	3
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 8.23% for trips targeting Cod (Table 5), and 9.47% for trips targeting Turbot.

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

Trip Target	DMR Year-to-date	Week 35	Week 34
Cod	8.23%	6.67%	8.21%
Turbot	9.47%	NaN%	NaN%