

FLC Monitoring

Sea State

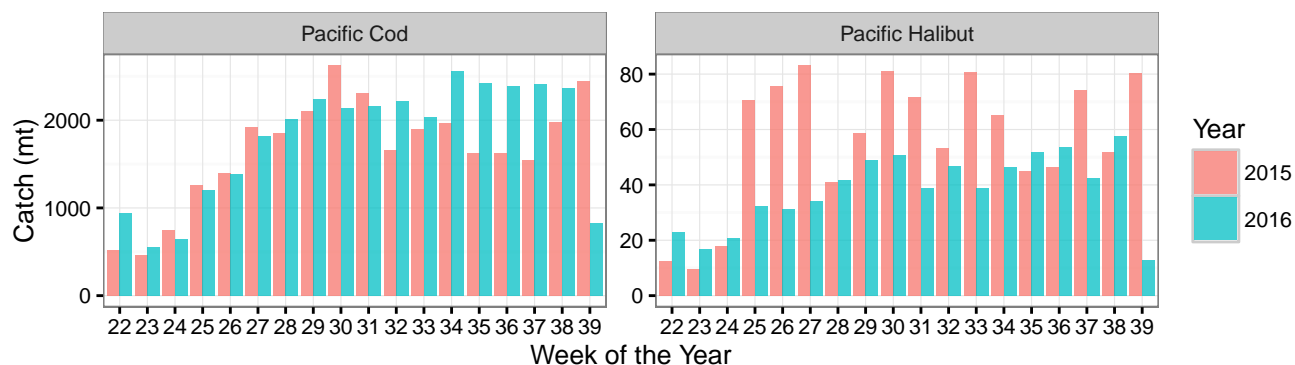
22 September, 2016

Overview

The total cumulative catch of Pacific cod at the end of 2016-09-17 was 84,586 mt. At the same week in the previous year, the cumulative catch was 80,052 mt (Table 1). Halibut catch to date has decreased by 23.7% over last year.

Table 1: Catch statistics for week ending 2016-09-17 (Week 38).

	Cumulative 2015	Cumulative 2016	Week 38 2015	Week 38 2016
P. Halibut (mt)	2,175	1,659	52	58
P. Cod (mt)	80,052	84,586	1,974	2,369
Avg. Rate (kg/mt)	21	15	19	18
Number of Sets	9,599	9,026	313	317



NMFS Stat Area Summary

Table 2: Halibut encounter rates for the week ending 2016-09-17.

Trip Target	NMFS Area	Groundfish (mt)	Halibut (kg)	Rate (kg/mt)	Halibut Mortality (mt)
Cod	509	521	28,937	55.5	2.60
Cod	513	150	6,571	43.7	0.59
Cod	516	60	3,111	51.8	0.28
Cod	517	341	9,688	28.4	0.87
Cod	521	1,054	7,390	7.0	0.71
Cod	524	1,193	6,776	5.7	0.61

Vessel Rates and Ranking

Table 3: Vessel rates in kg of halibut per ton of groundfish for the week ending 2016-09-17.

Trip Target	Vessel	Rate	Rank
Cod	FRONTIER MARINER	0.23	1

Trip Target	Vessel	Rate	Rank
Cod	CLIPPER EPIC	0.56	2
Cod	BERING PROWLER	0.61	3
Cod	BLUE BALLARD	2.31	4
Cod	BERING LEADER	3.28	5
Cod	ALASKAN LEADER	4.04	6
Cod	BLUE ATTU	4.91	7
Cod	ALASKAN LADY	5.89	8
Cod	GLACIER BAY	7.53	9
Cod	ALASKA MIST	8.01	10
Cod	BRISTOL LEADER	9.94	11
Cod	FRONTIER EXPLORER	13.80	12
Cod	U S LIBERATOR	14.91	13
Cod	DEEP PACIFIC	23.83	14
Cod	OCEAN PROWLER	31.75	15
Cod	CLIPPER SURPRISE	33.59	16
Cod	COURAGEOUS	38.18	17
Cod	SIBERIAN SEA	49.41	18
Cod	FRONTIER SPIRIT	59.40	19
Cod	CLIPPER ENDEAVOR	61.10	20
Cod	LILLI ANN	146.16	21

Viability Sampling

Total number of hauls sampled to date is 5,206, and the total number of hauls sampled in 2015 was 8,349.

Table 4: Viability samples as of 2016-09-18

Trip Target	Injury Type	Year-to-date	Week 38	Week 37
Cod	Minor	4,134	175	140
Cod	Moderate	347	14	13
Cod	Severe	35	4	0
Cod	Dead	69	2	1
OtherSpecies	Minor	8	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 7.91% 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 38	Week 37
Cod	7.91%	8.13%	6.9%
OtherSpecies	3.5%	NaN%	NaN%
Turbot	9.47%	NaN%	NaN%

Blue King Crab

Total number of blue king crab caught to date in 2016 is 544. In 2015 the total number of blue king crab was 488.

Table 6: Number of Blue King Crab caught in Reporting Area in week 37. No activity is denoted with NA.

Area	Week 37 (2015)	Week 37 (2016)
509	0	0
512	0	0
513	253	62
514	3	0
516	0	2
517	6	0
518	NA	0
519	0	0
521	196	206
523	0	0
524	15	225
541	0	0
542	0	0
543	0	0
610	0	0
620	0	0
630	0	0
640	0	0
649	0	0
650	0	0
659	0	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	81
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	877	1,013
Red-Legged Kittiwake	4	NA
Sea Birds Unidentified	4	2
Shearwater Unidentified	16	265
Short-Tailed Shearwater	62	626
Sooty Shearwater	15	249