

OTHER ANALYSIS

The following information responds to analytical requests received at and after the June 2018 SaMTAAC meeting. With respect to the request for an assessment of the amount of QS owned by owners of vessels that gear switch, the data needed to attempt the assessment has been provided by the NMFS permit office, and Council staff will process it over the winter with the intent of providing a response for the next SaMTAAC meeting.

Seasonality of Landings

Information is provided here on the seasonality of landings for northern IFQ sablefish caught with trawl gear (Figure 1) and gear switched (Figure 2). Individual year data could not be provided for gear switching due to confidentiality issues. In general, the trawl gear landings come in at a fairly consistent rate month-to-month, while the gear switched landings start picking up substantially in the summer and fall.

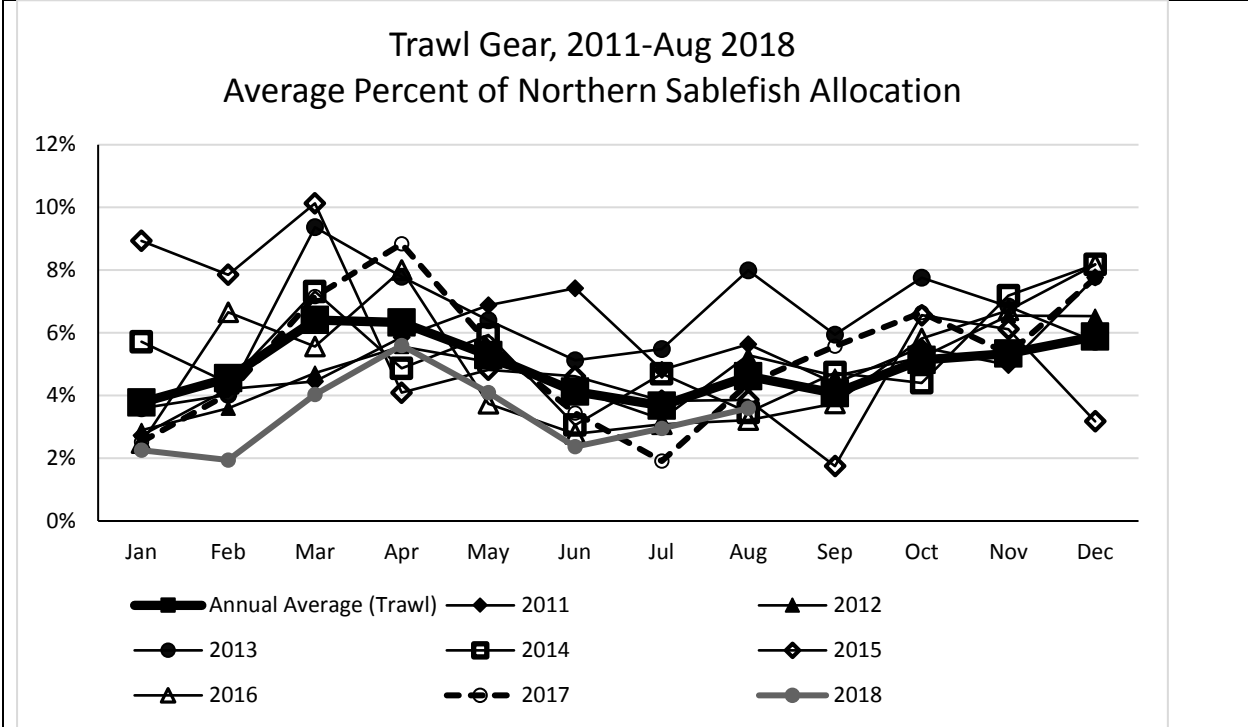
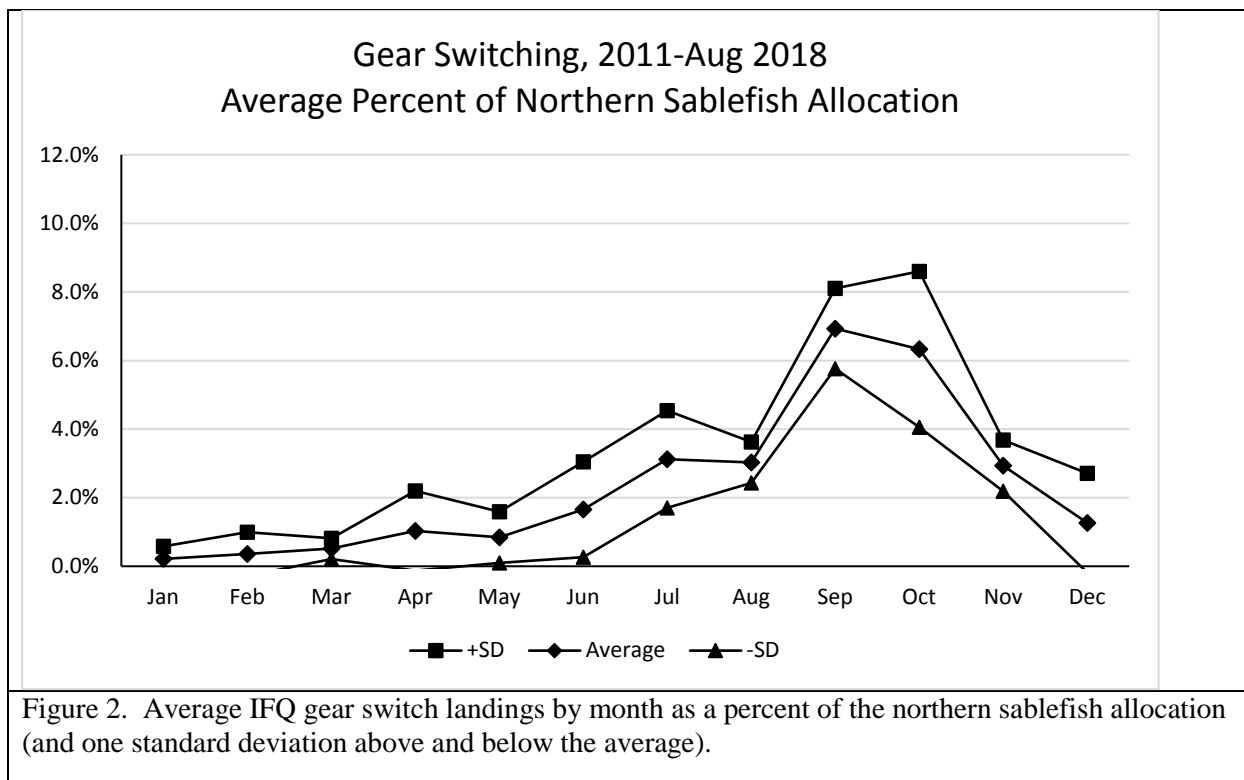


Figure 1. IFQ trawl gear landings by month as a percent of the northern sablefish allocation (2011-2018).



Geographic Distribution of North of 36° N. lat. Sablefish Landings

The geographic distribution for IFQ trawl landings is provided in Table 1 and the distribution of trawl IFQ gear switched landings is provided in Table 2. The total percent of trawl landings in California have been relatively stable, with the exception of an increase to 38 percent in 2014 (Table 1). Most of the gear switching occurs off Oregon and Washington (Table 2). While the percent of gear switching has been relatively stable, there was a substantial one year increase in the California share in 2014.

Table 1. Trawl gear sablefish landing pounds and percent of total by geographic areas (2011-2017).

	2009	2010	2011	2012	2013	2014	2015	2016	2017
Pounds Landed									
WA-Col Riv (Astoria)	2,031,135	1,672,516	1,418,703	925,159	960,223	673,627	982,465	921,770	910,241
Central/S OR	2,721,290	2,297,451	1,083,192	1,212,187	1,108,124	1,055,946	1,139,553	1,368,090	1,573,926
N-CA	996,189	854,202	638,363	605,328	487,872	551,985	a/	619,068	a/
C-CA	834,671	711,752	492,169	385,364	508,082	521,582	a/	279,573	a/
CA Total	1,830,860	1,565,954	1,130,532	990,692	995,954	1,073,567	1,065,329	898,641	886,097
Coast Total	6,583,285	5,535,921	3,632,427	3,128,038	3,064,301	2,803,140	3,187,347	3,188,501	3,370,264
Percent of Total									
WA-Col Riv (Astoria)	31%	30%	39%	30%	31%	24%	31%	29%	27%
Central/S OR	41%	42%	30%	39%	36%	38%	36%	43%	47%
N-CA	15%	15%	18%	19%	16%	20%	a/	19%	a/
C-CA	13%	13%	14%	12%	17%	19%	a/	9%	a/
CA Total	28%	28%	31%	32%	33%	38%	33%	28%	26%

a/ Combined into total to preserve confidentiality.

Table 2. Gear switched sablefish landing pounds and percent of total by geographic areas (2011-2017).

	2011	2012	2013	2014	2015	2016	2017
	Pounds Landed						
WA-Col Riv (Astoria)	671,713	991,842	485,885	a/	821,699	787,523	807,552
Central/S OR	594,467	487,061	432,437	a/	535,049	929,324	763,653
WA+OR Total	1,266,181	1,478,903	918,322	922,049	1,356,748	1,716,847	1,571,205
N-CA	0	0	0	0	0	a/	a/
C-CA	235,777	141,464	60,921	331,892	215,125	a/	a/
CA Total	235,777	141,464	60,921	331,892	215,125	85,795	298,795
Coast Total	1,501,957	1,620,367	979,243	1,253,941	1,571,873	1,802,642	1,870,000
	Percent of Total						
WA-Col Riv (Astoria)	45%	61%	50%	a/	52%	44%	43%
Central/S OR	40%	30%	44%	a/	34%	52%	41%
WA+OR	84%	91%	94%	74%	86%	95%	84%
N-CA	0%	0%	0%	0%	0%	a/	a/
C-CA	16%	9%	6%	26%	14%	a/	a/
CA Total	16%	9%	6%	26%	14%	5%	16%

a/ Combined into total to preserve confidentiality.

Sablefish Prices and Gear Switching

Average sablefish prices (north and south by trawl and gear switched vessels) and the amount of gear switching are displayed in Figure 3 and Table 3. After the first years of the program, the trawl caught northern sablefish price was relatively steady until dropping in 2018. The trawl caught price for southern sablefish has been on a general decline. The fixed gear price for northern sablefish and southern sablefish was on an increasing trend until 2018. The amount of gear switching in the north has been on a slight upward trend while that in the south has been decreasing (measured as a percent of the total allocation for each area). The decline in the south is more a reflection of the diminishing allocation attainment in the area than it is a change in the predominance of the gears used to harvest.

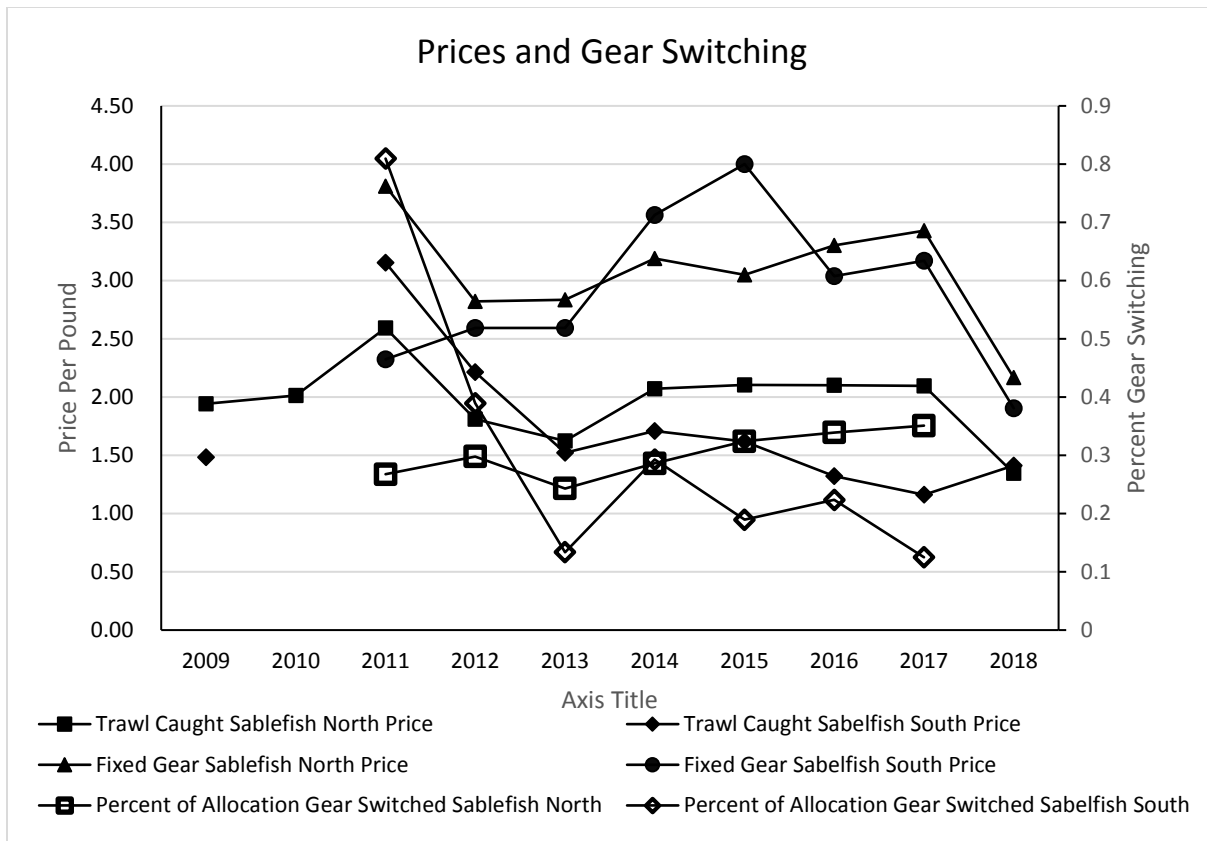


Figure 3. Average annual prices for northern and southern sablefish by gear type (trawl and gear switched) and percent of allocation caught by gear switching vessels (2009-2018).

Table 3. Average annual prices for northern and southern sablefish by gear type (trawl and gear switched) and percent of allocation caught by gear switching vessels (2009-2018).

	Trawl Caught		Gear Switched		Percent of Allocation Gear Switched	
	Sablefish North	Sablefish South	Sablefish North	Sablefish South	Sablefish North	Sablefish South
2009	1.94	1.48				
2010	2.02					
2011	2.59	3.15	3.81	2.33	27%	81%
2012	1.81	2.21	2.82	2.59	30%	39%
2013	1.62	1.52	2.84	2.59	24%	13%
2014	2.07	1.71	3.19	3.56	29%	29%
2015	2.10	1.62	3.05	4.00	32%	19%
2016	2.10	1.32	3.30	3.04	34%	22%
2017	2.10	1.16	3.43	3.17	35%	12%
2018	1.35	1.41	2.17	1.90		