

Squid Amendment – Permit Requalification Examples, Version 2
9/7/2016

Staff proposed that permit requalification options be considered at an Advisory Panel (AP) meeting and that the AP provide recommendations for the Committee/Council. Staff can examine the outcomes of permit requalification options in real time at the meeting to help the AP evaluate what kind of fleet would result from different requalification criteria.

The structure of any qualifying criteria will impact the number of qualifiers. Based on staff's understanding that the Council's goal is to account for the dependency on squid of recently active vessels, staff proposed to take four initial qualifying criteria to the AP for both squids: requalify vessels that had at least 25,000 or 50,000 pounds in their best year over either 2006-2015 (10 years) or 2011-2015 (5 years). Requests from AP members resulted in staff adding 10,000, 100,000, and 200,000 pound levels. Staff added a 2009-2013 range to generally use the 2013 control dates based on discussion at the June 2016 Council meeting, and also added an option that qualified vessels based on average landings 2011-2015 as another option.

Approximate and preliminary re-qualifiers for each squid fishery under the above example criteria are provided below for discussion purposes about a range of options.

The total of each qualifying vessel's best landing year 1994-2015 is also included to get a sense of how much these vessels might catch "if the stars align." Those landing totals would not include landings by vessels with incidental permits or state-only vessels, which preliminarily appear to have averaged about 10% of total longfin landings 2006-2015 (negligible for *Illex*).

Under any option, the AP could recommend options for vessels that might not requalify (besides/beyond the current incidental permit options).

Longfin Requalification

~422 Vessels Had a Moratorium Permit 2011-2015									
2006-2015			2011-2015			2009-2013			
Qualifying Threshold (best year)	Qualifying Vessels	Sum of each vessel's best year 1994-2015	Qualifying Threshold (best year)	Qualifying Vessels	Sum of each vessel's best year 1994-2015	Qualifying Threshold (best year)	Qualifying Vessels	Sum of each vessel's best year 1994-2015	
10,000	204	64,014,190	10,000	173	57,162,345	10,000	168	57,111,067	
25,000	181	61,194,298	25,000	154	53,353,895	25,000	149	53,399,055	
50,000	151	56,692,354	50,000	133	50,756,694	50,000	125	49,928,354	
100,000	126	54,027,570	100,000	105	46,517,376	100,000	99	45,904,416	
200,000	79	45,154,381	200,000	65	38,895,271	200,000	66	39,644,789	
			2011-2015 (Average)						
			Qualifying Threshold	Qualifying Vessels	Sum of each vessel's best year 1994-2015				
			10,000	143	52,266,447				
			25,000	120	49,148,107				
			50,000	100	44,849,872				
			100,000	68	38,999,921				
			200,000	40	28,211,346				

Illex Requalification

~90 Vessels Had a Moratorium Permit 2011-2015									
2006-2015			2011-2015			2009-2013			
Qualifying Threshold (best year)	Qualifying Vessels	Sum of each vessel's best year 1994-2015	Qualifying Threshold (best year)	Qualifying Vessels	Sum of each vessel's best year 1994-2015	Qualifying Threshold (best year)	Qualifying Vessels	Sum of each vessel's best year 1994-2015	
10,000	34	74,224,046	10,000	29	65,587,337	10,000	30	69,403,706	
25,000	31	74,184,368	25,000	27	65,559,419	25,000	27	67,833,307	
50,000	31	74,184,368	50,000	27	65,559,419	50,000	27	67,833,307	
100,000	30	74,092,438	100,000	23	60,720,513	100,000	26	66,777,946	
200,000	27	71,543,112	200,000	20	59,234,978	200,000	23	64,228,620	
			2011-2015 (Average)						
			Qualifying Threshold (average per year)	Qualifying Vessels					
			10,000	27	65,559,419				
			25,000	23	62,475,347				
			50,000	20	59,234,978				
			100,000	18	57,931,556				
			200,000	11	48,642,148				

Landings Histories

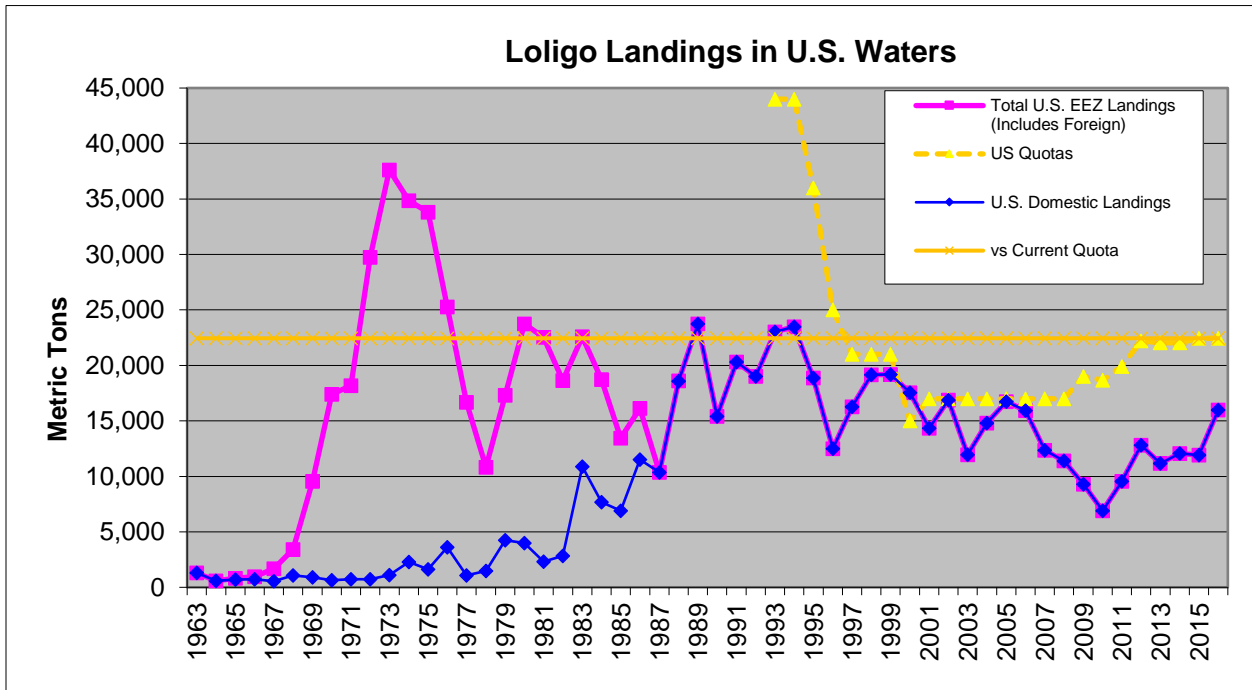


Figure 1. Longfin Landings. (2016 Preliminary Low-End Estimate)

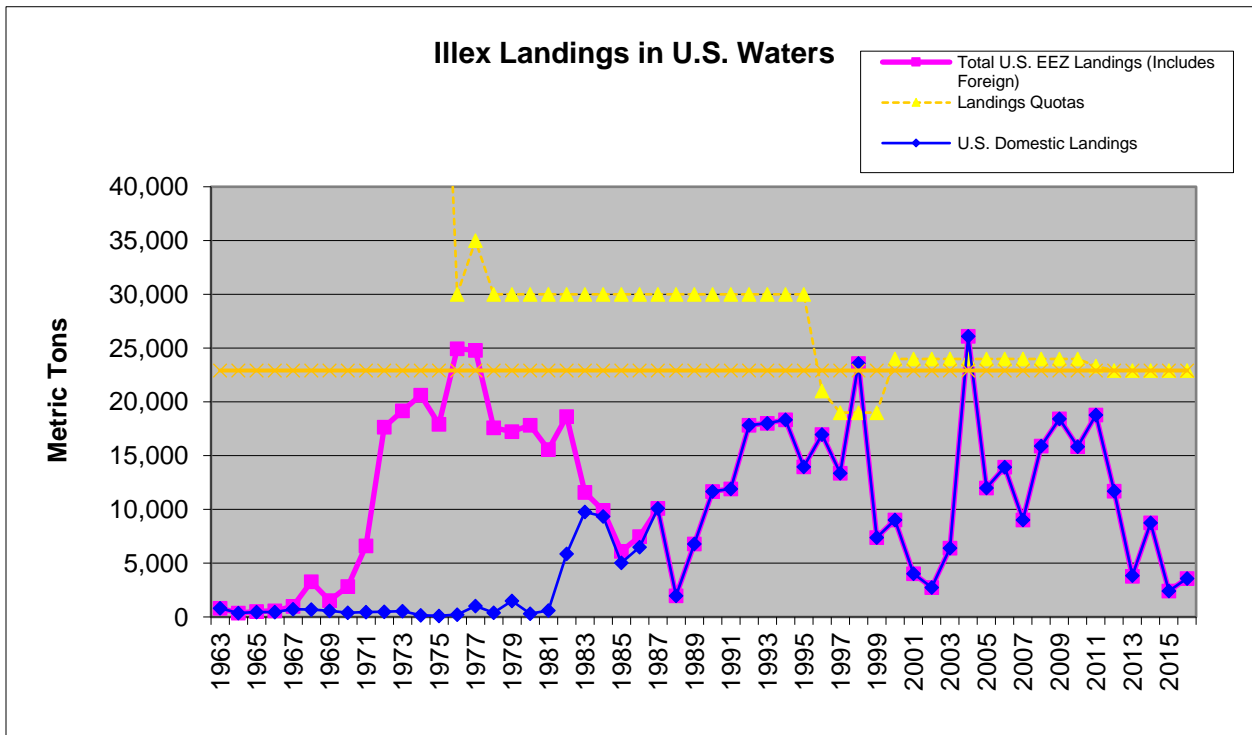


Figure 2. Illex Landings (2016 as of 9/1/2017)

Table 1. Recent Longfin Landings and Quotas.

Year	Commercial Landings	Quota	Percent of Quota Landed
2004	14,800	17,000	87%
2005	16,724	17,000	98%
2006	15,928	17,000	94%
2007	12,354	17,000	73%
2008	11,406	17,000	67%
2009	9,307	19,000	49%
2010	6,913	18,667	37%
2011	9,556	19,906	48%
2012	12,820	22,220	58%
2013	11,183	22,049	51%
2014	12,063	22,049	55%
2015	11,928	22,445	53%
2016	16,000+	22,445	71%+

Table 2. Recent Illex Landings and Quotas.

Year	Commercial Landings	Quota	Percent of Quota Landed
2004	26,097	24,000	109%
2005	12,011	24,000	50%
2006	13,944	24,000	58%
2007	9,022	24,000	38%
2008	15,900	24,000	66%
2009	18,418	24,000	77%
2010	15,825	24,000	66%
2011	18,797	23,328	81%
2012	11,709	22,915	51%
2013	3,835	22,915	17%
2014	8,767	22,915	38%
2015	2,423	22,915	11%
2016	3,589+	22,915	16+

Table 3. Annual and Trimester Longfin Landings

Year	Quota (mt)	Quota (pounds)	Commercial Landings (mt)	Commercial Landings (pounds)	% of Quota Landed	T1 Quota	T1 Land	T1%	T2 Quota	T2 Land	T2%	T3 Quota	T3 Land
2007	17,000	37,478,540	12,354	27,235,875	73%	15,632,318	15,487,194	99%	6,225,260	3,332,360	54%	Annual	8,391,050
2008	17,000	37,478,540	11,406	25,145,896	67%	16,093,745	8,405,764	52%	6,180,220	8,097,587	131%		8,595,268
2009	19,000	41,887,780	9,307	20,517,964	49%	17,892,717	7,390,668	41%	7,072,429	7,150,991	101%		5,975,911
2010	18,667	41,153,642	6,913	15,240,538	37%	17,696,506	3,131,395	18%	14,276,968	4,891,607	34%		6,783,709
2011	19,906	43,885,166	9,556	21,067,349	48%	18,871,570	7,887,388	42%	11,190,664	9,798,321	88%		3,377,556
2012	22,220	48,986,656	12,820	28,263,228	58%	21,065,169	5,291,094	25%	12,490,290	17,503,595	140%		5,461,598
2013	22,049	48,609,666	11,183	24,654,265	51%	20,902,027	1,658,898	8%	12,394,388	6,150,773	50%		16,628,444
2014	22,049	48,609,666	12,063	26,594,331	55%	20,674,951	7,331,327	35%	12,262,111	12,766,685	104%		6,488,956
2015	22,445	49,482,696	11,928	26,296,707	53%	21,276,813	5,404,923	25%	12,619,260	10,734,681	85%		10,211,533
2016	22,445	49,482,696	16,000+(?)	35,000,000	71%+(?)	21,276,813	12,225,584	57%	12,619,260	18,700,000	148%		?

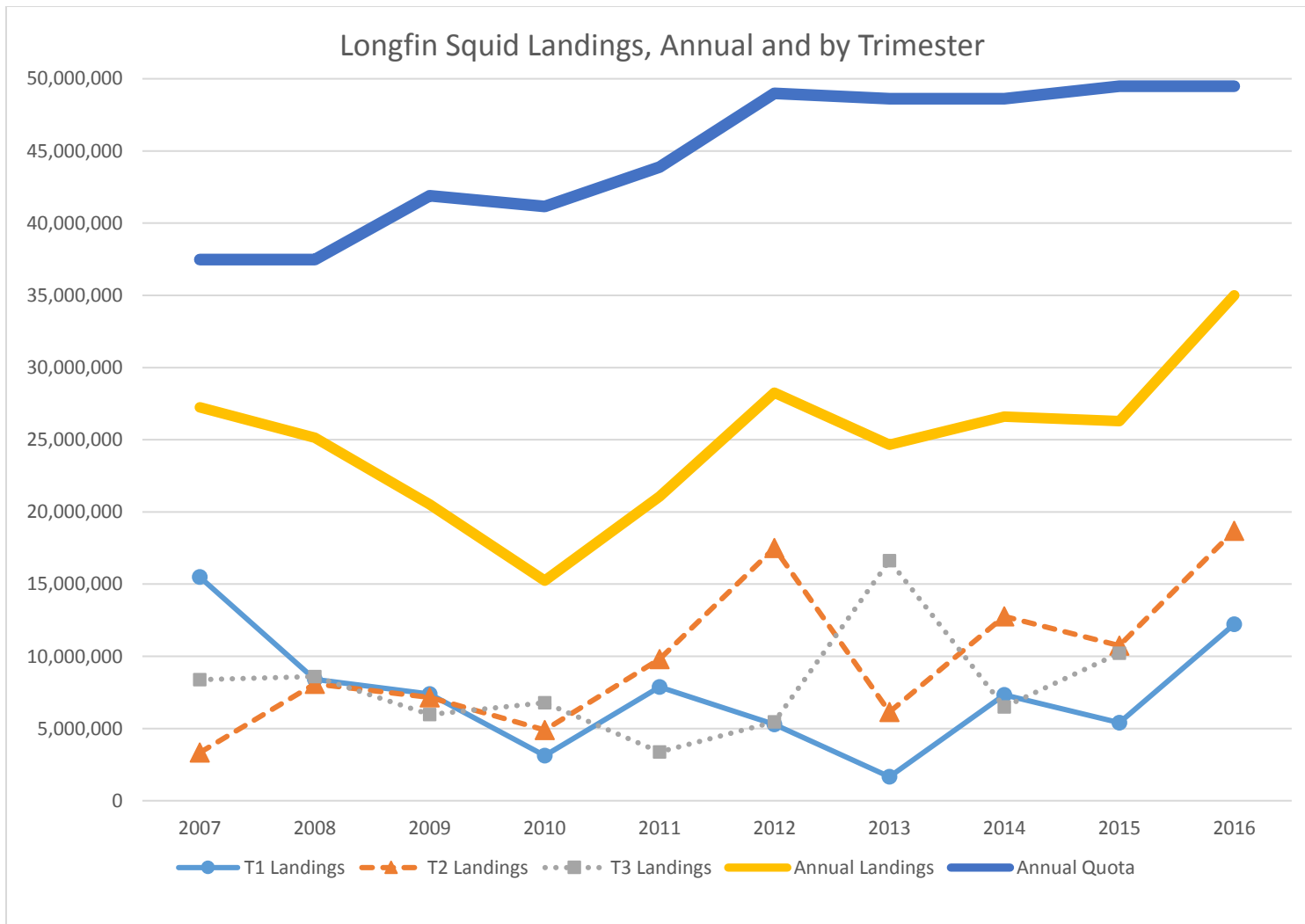


Figure 3. Annual and Trimester Longfin Landings.

MSB AP Informational Document - APRIL 2016
Prepared by Jason Didden, MAFMC Staff

****Note – Historical catches and indices are available in the *Data Updates* provided by NMFS' Northeast Fisheries Science Center (NEFSC), and available at <http://www.mafmc.org/council-events/2016/msb-ap>. This document focuses on the market and vessel participation data not included in the *Data Updates*.**

***Illex* Squid (overfished/overfishing status unknown –possible benchmark assessment in 2018)**

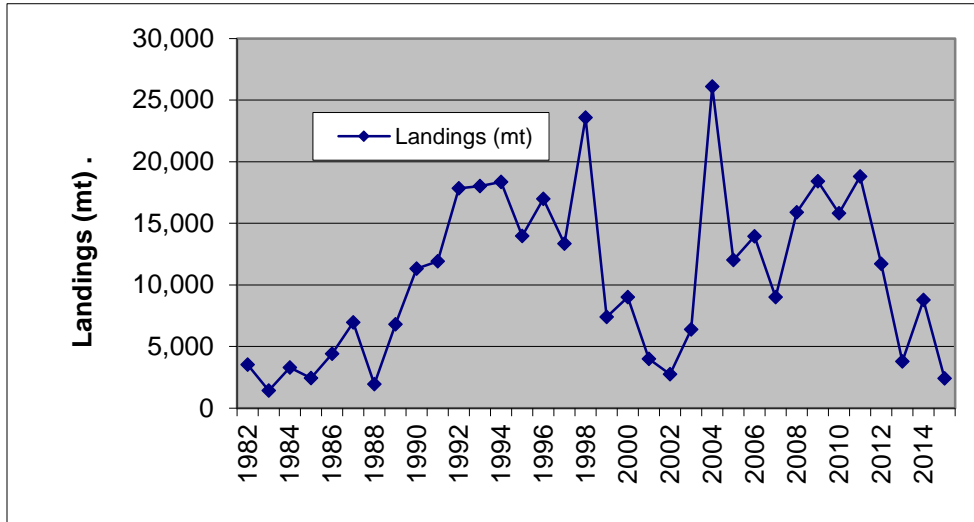


Figure 14. U.S. *Illex* landings.
Source: unpublished NMFS dealer reports

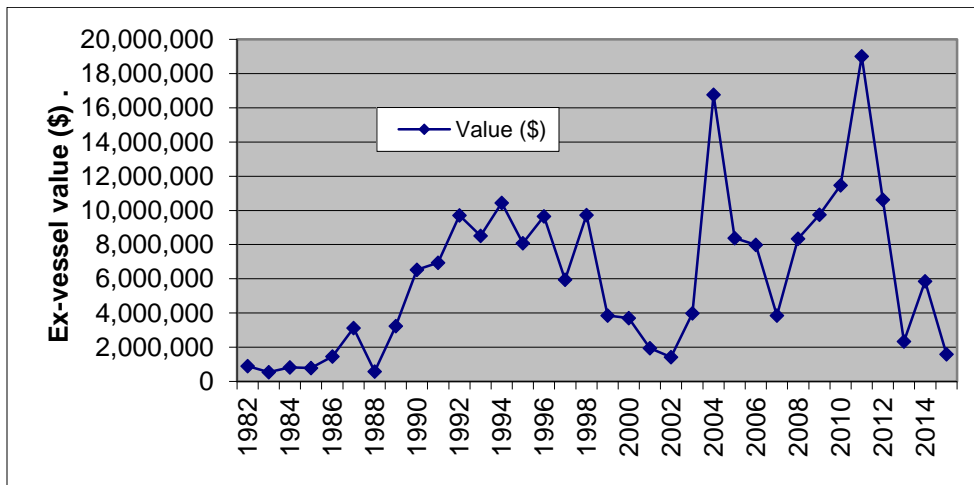


Figure 15. U.S. *Illex* ex-vessel revenues (nominal)
Source: unpublished NMFS dealer reports

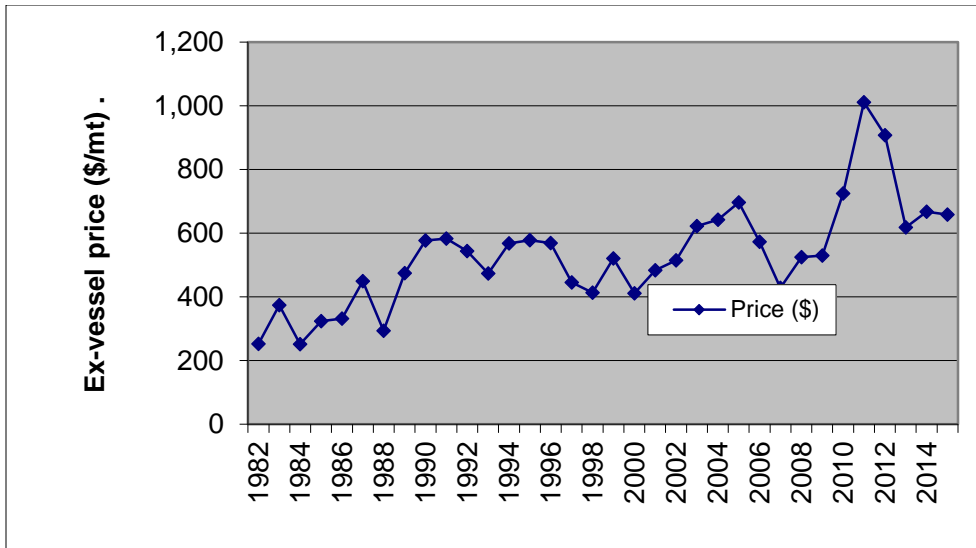


Figure 16. U.S. *Illix* ex-vessel prices (Nominal)
Source: Unpublished NMFS dealer reports

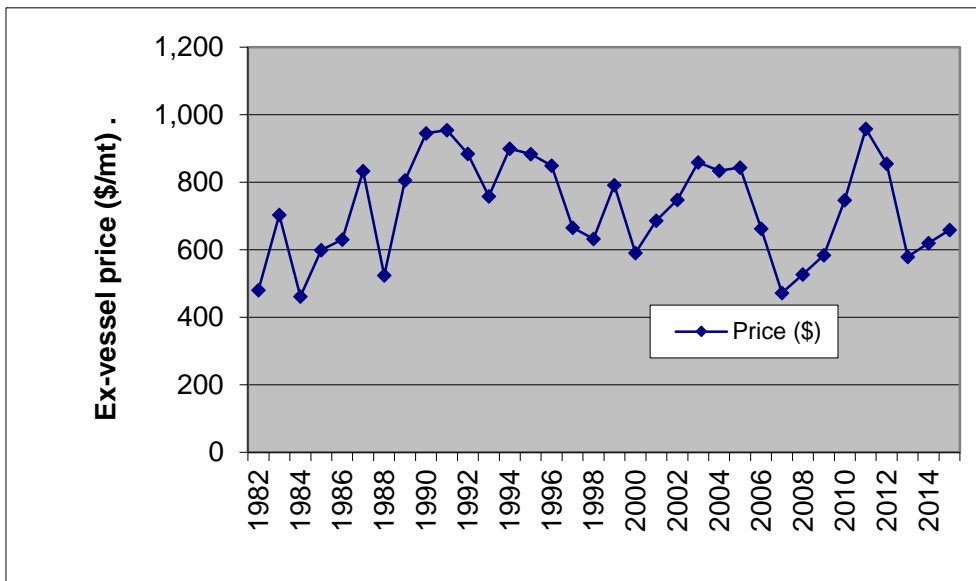


Figure 17. U.S. *Illix* ex-vessel prices (Producer Price Index adjusted, 2015 dollars)
Source: Unpublished NMFS dealer reports

Table 6. Vessels active in various annual *Illex* landing ranges (pounds per vessel)

YEAR	Vessels 500,000 +	Vessels 100,000 - 500,000	Vessels 50,000 - 100,000	Vessels 10,000 - 50,000
1982	7	7	0	10
1983	1	8	7	11
1984	4	15	4	6
1985	2	6	4	3
1986	8	6	4	3
1987	7	10	2	1
1988	3	3	1	2
1989	8	5	1	3
1990	12	3	0	1
1991	12	1	1	0
1992	16	1	0	1
1993	19	3	1	3
1994	21	7	5	8
1995	24	5	2	7
1996	24	5	6	4
1997	13	9	2	0
1998	25	4	1	3
1999	6	9	2	10
2000	7	7	0	2
2001	3	4	1	2
2002	2	3	1	1
2003	5	6	1	2
2004	23	5	2	0
2005	10	10	2	2
2006	9	8	1	2
2007	8	2	1	0
2008	12	4	0	0
2009	10	3	1	1
2010	12	3	0	6
2011	17	4	2	0
2012	8	3	2	2
2013	5	4	3	5
2014	5	3	2	2
2015	3	0	1	1

Source: unpublished NMFS dealer reports

Longfin Squid (formerly known as *Loligo*) (not overfished, overfishing status unknown based on 2009 data, but stock appeared to be relatively lightly exploited – assessment update anticipated in 2017)

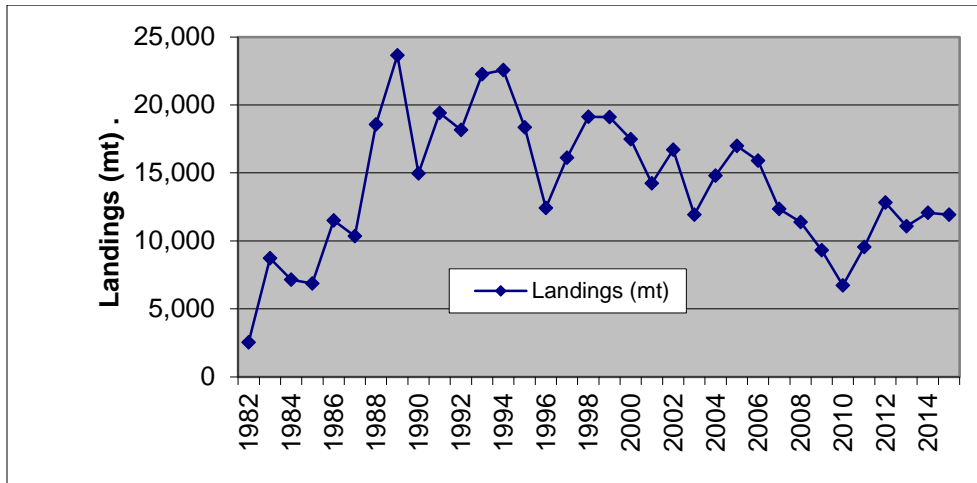


Figure 19. U.S. Longfin landings.
Source: unpublished NMFS dealer reports

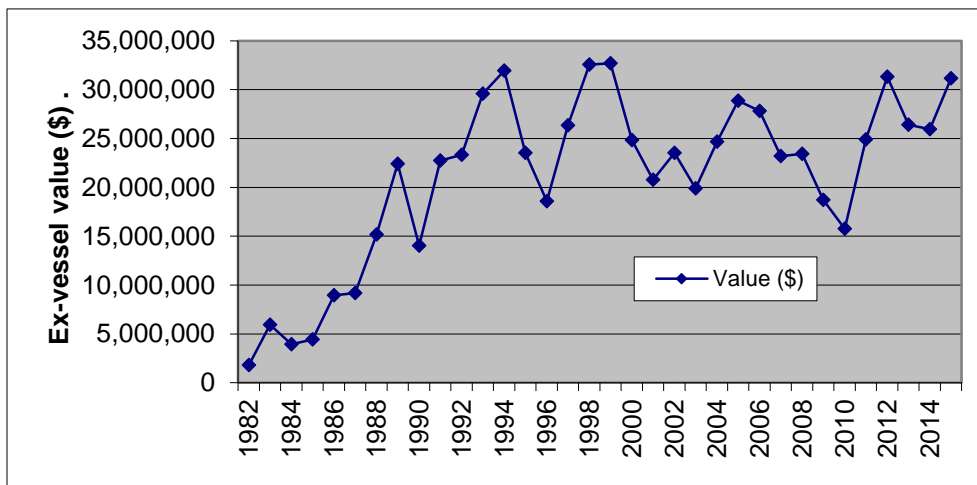


Figure 20. U.S. Longfin ex-vessel revenues (nominal)
Source: unpublished NMFS dealer reports

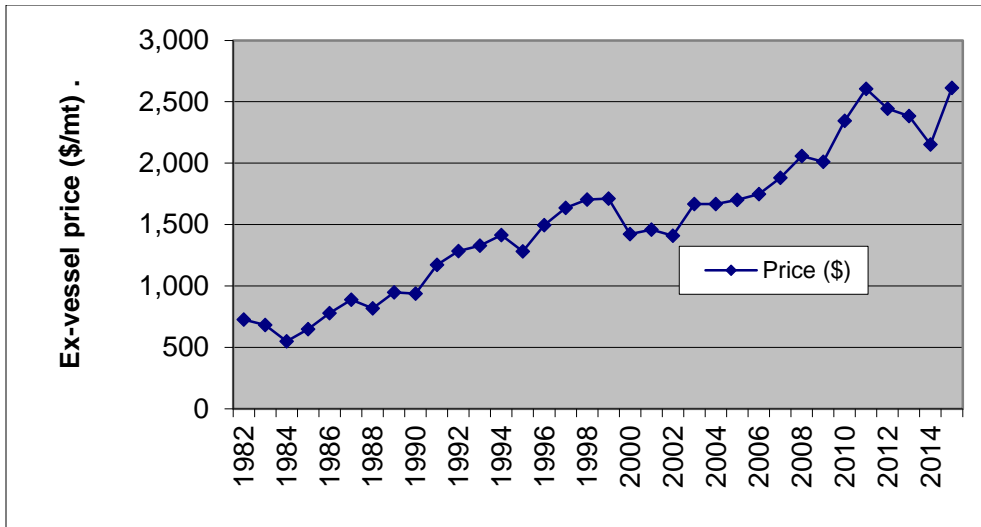


Figure 21. U.S. Longfin ex-vessel prices (Nominal)
Source: Unpublished NMFS dealer reports

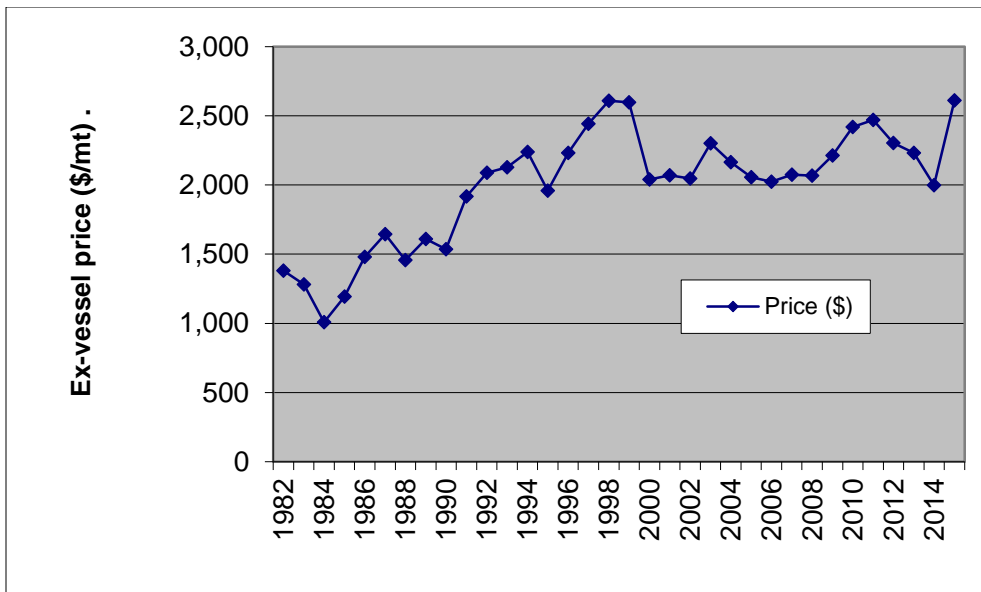


Figure 22. U.S. Longfin ex-vessel prices (Producer Price Index adjusted, 2015 dollars)
Source: Unpublished NMFS dealer reports

Table 8. Vessels active in various annual longfin landing ranges (pounds per vessel)

YEAR	Vessels 500,000 +	Vessels 100,000 - 500,000	Vessels 50,000 - 100,000	Vessels 10,000 - 50,000
1982	0	14	16	88
1983	1	64	36	108
1984	1	41	48	111
1985	2	44	34	89
1986	1	56	44	98
1987	3	39	44	103
1988	11	65	35	95
1989	15	68	51	83
1990	11	52	47	108
1991	17	54	34	107
1992	17	48	31	67
1993	21	73	32	92
1994	24	74	26	77
1995	15	79	40	96
1996	8	68	37	93
1997	13	87	55	65
1998	18	86	46	91
1999	18	85	36	119
2000	13	96	46	97
2001	12	65	44	84
2002	13	90	32	69
2003	8	64	25	59
2004	15	63	27	52
2005	19	62	19	46
2006	16	76	24	47
2007	16	44	30	68
2008	10	58	18	78
2009	8	52	26	64
2010	3	45	22	65
2011	7	55	32	46
2012	8	75	38	41
2013	10	56	20	37
2014	12	60	27	55
2015	13	49	21	50

Source: unpublished NMFS dealer reports