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Data revision report of Japan as of 2018

Japan

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Introduction

ISC Statistic Working Group decided that it is required to submit Data Revision Report to the working group when data revision is made and the revision meets the specific condition (Anon. 2014).

After July 1, 2017, Japan would like to revise;

- in Category 1c, blue shark for the 1994-2016 and shortfin mako shark for the 1994-2016,
 - in Category 1e, longline for the 2011-2016,
 - in Category 2, longline for the 2010-2016,
- and newly provide;
- in Category 1c, shortfin mako shark for the 1994-2017.

Data revised

Category 1c

1.1.1. Blue shark

Catch by gear for the blue shark caught by Japanese fleets was partially provided as ISC database, longline catch for the 1994-latest year, the catch for the other gear for the 2008-latest year. Stock assessment for north Pacific blue shark was carried out in March 2017, methodologies of estimation of the catch by gear and standardization of CPUE was agreed through the discussion of the stock assessment process. Japan provided full series (1994-2017) of the catch by gear obtained based on the methodologies (**Table 1**). Note that the catch in 2017 was the same values as that for 2016 for each gear.

Table 1. Revision of Category 1 blue shark catch by gear.

BEFORE (on July 1, 2017)

Year	Species	FPN 99	GND 4	LLD 12	LLD 13	MIS 99	NK 18	Total
1994	BSH				20062.00			20062.00
1995	BSH				18427.00			18427.00
1996	BSH				21251.00			21251.00
1997	BSH				26105.00			26105.00
1998	BSH				23988.00			23988.00
1999	BSH				26541.00			26541.00
2000	BSH				27511.00			27511.00
2001	BSH				28126.00			28126.00
2002	BSH				26345.00			26345.00
2003	BSH				26278.00			26278.00
2004	BSH				22470.00			22470.00

2005	BSH				21887.00			21887.00
2006	BSH				19063.00			19063.00
2007	BSH				15190.00			15190.00
2008	BSH		397.00		21376.00			21773.00
2009	BSH	6.00	908.00	1382.00	17878.00	730.00	1.00	20905.00
2010	BSH	9.00	733.00	1024.00	21609.00	802.00	1.00	24178.00
2011	BSH	6.98	764.45	63.80	18693.00	859.89	2.90	20391.02
2012	BSH	1.92	1076.31	829.12	12303.00	762.08	2.52	14974.95
2013	BSH	6.13	1103.37	1124.23	15457.00	626.43	2.31	18319.47
2014	BSH	3.81	1059.62	537.52	15106.00	597.73	1.51	17306.19
2015	BSH	20.56	697.36	550.89	11532.00	386.69	2.31	13189.81
2016	BSH	20.56	697.36	550.89	11532.00	386.69	2.31	13189.81

AFTER (on July 1, 2018)

Year	Species	FPN 99	GND 4	LLD 12	LLD 13	MIS 99	NK 18	Total
1994	BSH	8.57	600.25	944.83	29600.55	536.85	3.95	31695.00
1995	BSH	6.83	502.91	648.20	34743.70	503.11	3.91	36408.66
1996	BSH	6.39	493.18	514.47	25934.38	313.99	3.95	27266.36
1997	BSH	8.28	622.15	317.43	29398.99	163.87	6.17	30516.89
1998	BSH	6.83	635.53	659.08	28528.33	264.18	4.03	30097.98
1999	BSH	7.12	861.03	420.70	25052.68	161.97	2.10	26505.60
2000	BSH	7.12	759.23	1034.73	25389.40	483.04	1.34	27674.86
2001	BSH	7.27	760.04	601.38	28229.72	214.82	2.39	29815.62
2002	BSH	6.25	767.68	834.12	22629.58	315.38	1.43	24554.44
2003	BSH	6.68	1350.26	873.25	23787.56	367.51	2.18	26387.44
2004	BSH	7.12	1202.42	676.63	23360.75	257.71	2.77	25507.40
2005	BSH	0.04	1321.25	1864.80	26789.28	653.85	2.14	30631.36
2006	BSH	5.00	1204.11	1796.84	22751.93	614.75	2.14	26374.77
2007	BSH	5.24	1322.64	1984.03	22289.26	810.19	1.64	26413.00
2008	BSH	0.23	943.69	1670.54	17033.63	874.70	1.22	20524.01
2009	BSH	0.27	1207.66	1477.82	17923.28	769.25	1.01	21379.29
2010	BSH	4.10	962.48	1072.19	21645.39	832.92	1.01	24518.09
2011	BSH	7.87	795.33	63.80	18369.24	859.89	2.90	20099.03
2012	BSH	1.92	1119.78	829.12	11665.03	762.08	2.52	14380.45
2013	BSH	6.13	1103.37	1124.23	11261.26	626.43	2.31	14123.73
2014	BSH	3.81	1059.62	537.52	12153.64	597.73	1.51	14353.83
2015	BSH	20.56	697.36	550.89	11588.79	386.69	2.31	13246.60
2016	BSH	26.32	1832.28	375.48	7111.66	226.29	1.97	9574.00
2017	BSH	26.32	1832.28	375.48	7111.66	226.29	1.97	9574.00

Shortfin mako shark

It had been difficult to estimate shortfin mako shark in the north Pacific by Japanese fleets due to uncertainty of catch statistics for this species in Japan. Stock assessment for shortfin mako shark was carried out in February 2018, methodologies of estimation of the catch by gear and standardization of CPUE was agreed through the discussion of the stock assessment process. Japan newly provided the catch by gear for the 1994 to 2016 obtained based on the methodologies (Table 2). The catch in 2017 was the same values as that for 2016 for each gear.

Table 2. Category 1 shortfin mako shark catch by gear.

Year	Species	FPN 99	GND 4	LLD 12	LLD 13	MIS 99	NK 18	Total
1994	SMA	14.06	123.00	37.44	689.96	24.05	0.00	888.51
1995	SMA	11.20	103.06	31.93	929.09	26.22	0.00	1101.5

1996	SMA	10.48	101.06	221.63	804.08	130.21	0.00	1267.46
1997	SMA	13.58	127.49	121.23	696.61	60.89	0.00	1019.8
1998	SMA	11.20	130.23	12.97	648.95	6.03	0.00	809.38
1999	SMA	11.67	176.44	143.09	855.55	53.95	0.00	1240.7
2000	SMA	11.67	155.58	61.36	930.33	29.97	0.00	1188.91
2001	SMA	11.91	155.75	139.45	944.73	49.27	0.00	1301.11
2002	SMA	4.07	121.94	78.18	696.49	28.94	0.00	929.62
2003	SMA	5.17	228.74	11.74	832.39	5.29	0.00	1083.33
2004	SMA	0.44	133.50	16.20	897.76	6.34	0.00	1054.24
2005	SMA	41.66	154.89	36.37	888.85	13.69	0.00	1135.46
2006	SMA	5.40	177.88	5.94	988.09	2.28	0.00	1179.59
2007	SMA	12.23	243.83	23.99	1006.96	11.96	0.00	1298.97
2008	SMA	12.48	212.49	64.09	870.92	34.23	0.00	1194.21
2009	SMA	1.01	294.17	183.47	922.39	95.44	0.00	1496.48
2010	SMA	18.37	272.00	68.03	796.38	53.57	0.00	1208.35
2011	SMA	11.44	162.98	3.30	600.61	44.50	0.00	822.83
2012	SMA	0.96	229.46	4.95	706.78	5.41	0.00	947.56
2013	SMA	7.39	344.68	30.43	652.60	18.86	0.00	1053.96
2014	SMA	3.31	263.22	3.42	777.18	3.80	0.00	1050.93
2015	SMA	11.20	334.13	1.31	550.57	1.17	0.00	898.38
2016	SMA	25.68	448.29	19.96	379.98	12.55	0.00	886.46
2017	SMA	25.68	448.29	19.96	379.98	12.55	0.00	886.46

Category 1e

Logbook for the Japanese longline for more than two years ago had been submitted and the data on the logbooks newly added into the database in the NRIFSF during April 2017 to April 2018. Those logbooks were from 1 vessel 1 cruise for 2010, 2 vessels 26 cruises for 2011, 4 vessels 41 cruises for 2012, 5 vessels 60 cruise for 2013, 12 vessels 129 cruises for 2014. Those submission of substantial amount of delayed logbook is likely to be a phenomenon once five years for fishermen to renew their fishing license. Therefore, number of active vessels for the longline (smaller than 200 GRT, fleet code=11) was updated for the 2011 to 2016 (Table 3).

Table 3. Revision of Category 1 number of active vessels for the longline smaller than 200 GRT.

Year	Gear	Fleet	BEFORE	AFTER
			Number of vessels	Number of vessels
2011	LLD	11	321	322
2012	LLD	11	304	307
2013	LLD	11	300	303
2014	LLD	11	285	287
2015	LLD	11	271	281
2016	LLD	11	226	266
2017	LLD	11		260

Category II

Catch and effort data for longline (coastal longline, fleet code=12) was updated for the 2010 to 2015 (Table 4) for the same reason mentioned at the section of Category 1e.

Table 4. Revision of Category 2 catch and effort for the coastal longline.

Hooks is in thousand.

BEFORE (on July 1, 2017)

Gear	Fleet	Year	Hooks	ALB	MLS	PBF	SWO
LLD	12	2010	81941	994640	15964	1199	10541
LLD	12	2011	77997	862069	19381	979	9312
LLD	12	2012	72691	1067398	20305	702	10138
LLD	12	2013	69408	841950	19767	1065	8815
LLD	12	2014	65639	922506	15387	1128	10131
LLD	12	2015	60709	1011449	18619	1102	10894
LLD	12	2016	51854	596968	9435	1155	14919

AFTER (on July 1, 2018)

Gear	Fleet	Year	Hooks	ALB	MLS	PBF	SWO
LLD	12	2010	81941	994657	15964	1199	10542
LLD	12	2011	78141	864092	19390	993	9339
LLD	12	2012	73505	1078654	20409	713	10250
LLD	12	2013	70214	852172	19934	1089	8880
LLD	12	2014	67032	942889	15643	1148	10304
LLD	12	2015	65716	1069694	19898	1149	11697
LLD	12	2016	66120	749179	11851	1380	19208
LLD	12	2017	53839	691912	9435	1624	16784

Difference (AFTER-BEFORE)

Gear	Fleet	Year	Hooks	ALB	MLS	PBF	SWO
LLD	12	2010	1	17	0	0	1
LLD	12	2011	145	2023	9	14	27
LLD	12	2012	814	11256	104	11	112
LLD	12	2013	806	10222	167	24	65
LLD	12	2014	1392	20383	256	20	173
LLD	12	2015	5007	58245	1279	47	803
LLD	12	2016	14266	152211	2416	225	4289
LLD	12	2017	53839	691912	9435	1624	16784

Reference

Anon. 2014. Report of the Statistics Working Group. International Scientific Committee for Tunas and Tuna-like Species in the North Pacific Ocean. July 10-11, 2014.