

Blue jack mackerel (*Trachurus picturatus*) in Subdivision 10.a.2 (Azores grounds)

ICES advice on fishing opportunities

ICES advises that when the precautionary approach is applied, catches should be no more than 878 tonnes in each of the years 2021 and 2022.

Note: This advice sheet is abbreviated due to the COVID-19 disruption. The previous advice issued for 2019 and 2020 is attached as Annex 1.

Stock development over time

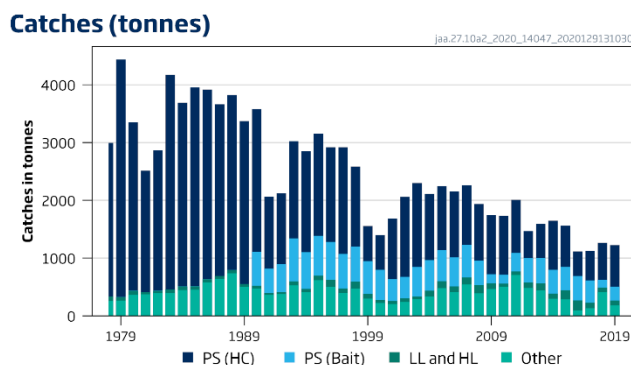


Figure 1 Blue jack mackerel in Subdivision 10.a.2. Landings and other catches. Landings include purse-seine catches for human consumption – PS (HC) – purse-seine catches for bait – PS (Bait) – and include unsold purse-seine landings withdrawn at the port as well as longline and handline catches (LL and HL). Other catches include longline bait, tuna live bait, and recreational catches (incomplete in 2017–2019).

Stock and exploitation status

Table 1 Blue jack mackerel in Subdivision 10.a.2. State of the stock and fishery relative to reference points.

		Fishing pressure				Stock size				
		2017	2018	2019		2017	2018	2019		
Maximum sustainable yield	F_{MSY}	?	?	?	Unknown	$MSY B_{trigger}$?	?	?	Unknown
Precautionary approach	F_{pa}, F_{lim}	?	?	?	Unknown	B_{pa}, B_{lim}	?	?	?	Unknown
Management plan	F_{MGT}	—	—	—	Not applicable	B_{MGT}	—	—	—	Not applicable
Qualitative evaluation	-	?	?	?	Unknown	-	?	?	?	Unknown

Catch scenarios

ICES framework for category 5 stocks was applied (ICES, 2012). For stocks without information on abundance or exploitation, ICES considers that a precautionary reduction of catches should be implemented unless there is ancillary information clearly indicating that the current level of exploitation is appropriate for the stock. Because the precautionary buffer was applied in 2018, it has not been applied again. Discarding is considered negligible.

Table 2 Blue jack mackerel in Subdivision 10.a.2. The basis for the catch scenarios.

Advised catch for 2019–2020 issued in 2018			878 tonnes
Discard rate			Negligible
Precautionary buffer	Not applied		-
Catch advice*			878 tonnes

* Advised catches for 2019–2020.

Quality of the assessment

There are no indices available which would reflect the development of the stock.

Recreational catches do not include catches by anglers from the shore.

History of advice, catch, and management

Table 3 Blue jack mackerel in Subdivision 10.a.2. History of ICES advice, the agreed TAC, official landings and ICES estimates of total catches. Weights in tonnes.

Year	ICES advice	Catch corresponding to the advice	Agreed TAC in 10*	Official landings** 10.a.2	ICES catches
2000			5000	655	1399
2001		-	5000	1101	1681
2002		-	4000	1450	2063
2003		-	3200	1502	2301
2004		-	3200	1246	2112
2005		-	3200	1231	2247
2006		-	3200	1241	2157
2007		-	3200	1154	2259
2008		-	3200	1119	1937
2009		-	3200	1121	1742
2010		-	3072	1078	1732
2011		-	3072	982	2008
2012	No increase in catch	-	3072	561	1465
2013	No increase in catch (last three years' average)	< 1800	3072	715	1594
2014	No increase in catch (last year's average)	< 1800	3072	943	1648
2015	No increase in catch (last two years' average)	< 1098	3072	874	1562
2016	No new advice, same as for 2015	< 1098	3072	602	1164
2017	Precautionary approach (Same catch value as advised for 2016)	≤ 1098	3072	606	1124
2018	Precautionary approach (Same catch value as advised for 2016)	≤ 1098	3072	852	1268

Year	ICES advice	Catch corresponding to the advice	Agreed TAC in 10*	Official landings** 10.a.2	ICES catches
2019	Precautionary approach (precautionary buffer applied)	≤ 878	3072	1044	1231
2020	Precautionary approach (Same catch value as advised for 2019)	≤ 878	3072		
2021	Precautionary approach	≤ 878			
2022	Precautionary approach (Same catch value as advised for 2021)	≤ 878			

* EU TAC for *Trachurus* spp. in Subarea 10: EU waters adjacent to the Azores

** Starting in 2018, official landings include unsold purse-seine landings withdrawn at the port.

History of catch, and landings

Table 4 Blue jack mackerel in Subdivision 10.a.2. History of catches (in tonnes).

Year	Official landings			Additional catches				Total
	Purse-seine (human consumption)	Purse-seine (withdrawn at the port and used for bait)*	Longline and handline	Recreational	Longline (discards and used for bait)	Tuna bait	Purse-seine (withdrawn at the port and used for bait)*	
1978	2657		78	129	15	115	0	2995
1979	4114		61	130	15	118	0	4439
1980	2920		70	132	22	210	0	3354
1981	2104		39	135	9	229	0	2516
1982	2429		43	142	10	239	0	2862
1983	3711		67	142	21	231	0	4172
1984	3180		62	135	17	295	0	3689
1985	3442		60	136	11	303	0	3952
1986	3282		58	135	9	433	0	3918
1987	2974		53	139	8	491	0	3666
1988	3032		55	143	8	586	0	3824
1989	2824		50	138	9	352	0	3373
1990	2472		48	117	11	345	584	3577
1991	1247		33	115	6	242	421	2064
1992	1226		35	121	6	249	486	2123
1993	1684		70	130	22	375	742	3023
1994	1745		59	125	18	264	636	2847
1995	1769		79	119	24	474	688	3153
1996	1642		123	110	38	351	656	2920
1997	1849		72	110	31	259	599	2920
1998	1387		120	111	52	308	606	2584
1999	609		84	119	37	141	565	1555
2000	602		53	117	23	83	521	1399
2001	1046		55	121	24	59	376	1681
2002	1387		63	132	28	82	371	2063
2003	1455		47	128	21	140	510	2301
2004	1148		98	111	19	208	528	2112
2005	1111		120	120	236	124	536	2247
2006	1145		96	111	40	264	501	2157

Year	Official landings			Additional catches				Total
	Purse-seine (human consumption)	Purse-seine (withdrawn at the port and used for bait)*	Longline and handline	Recreational	Longline (discards and used for bait)	Tuna bait	Purse-seine (withdrawn at the port and used for bait)*	
2007	1032		122	115	58	370	562	2259
2008	980		139	110	75	205	428	1937
2009	1023		98	119	115	230	157	1742
2010	1021		57	114	75	313	152	1732
2011	920		62	118	79	510	319	2008
2012	467		94	42	41	399	422	1465
2013	592		123	147	54	237	441	1594
2014	852		91	112	49	134	410	1648
2015	714		160	103	67	116	402	1562
2016	428		174	32	61	48	421	1164
2017	511		95	N/A	37	96	385	1124
2018	643	132	77	4**	31	381		1268
2019	720	241	83	5**	26	156		1231

*Purse-seine catches in excess of daily sales limits are withdrawn from the human consumption market but are recorded as fish for bait. Starting in 2018, these catches are included in official landings.

** Estimation of recreational fishing from boats only; shore anglers data are not included.

Summary of the assessment

There is no assessment for blue jack mackerel in this area.

Sources and references

ICES. 2012. ICES Implementation of Advice for Data-limited Stocks in 2012 in its 2012 Advice. ICES CM 2012/ACOM 68. 42 pp. <https://doi.org/10.17895/ices.pub.5322>.

ICES. 2020. Working Group on Southern Horse Mackerel, Anchovy and Sardine (WGHANSA). Draft report. ICES Scientific Reports. 2:41. 655 pp. <http://doi.org/10.17895/ices.pub.5977>.

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