



Chilean Jack Mackerel
Workshop

**Chilean Jack Mackerel, Jack Mackerel and Unspecified Mackerel and Vessel Data
Received by the Interim Secretariat to Date (as at 1 July 08)**

Susie Iball, Interim Secretariat of SPRFMO

Table 1: General Overview of Chilean/ Jack/ Unspecified Mackerel Data Received to Date

Data Type		Received by SPRFMO to Date (1 July 08)
		Yes/No
Catch	Annual Aggregated Catch Data	For some Participants, years and areas
Catch	5 Degree by 5 Degree Square Data	For some Participants, years and areas
Catch	Tow by Tow Data	None received (NZ data in preparation)
Vessel Details	Details of Vessel Capacity, etc	For some Participants, years and areas
Vessel Effort	No. vessels fishing, no. vessel days fished, no. operative hours fished	For some Participants, years and areas
VMS	Vessel monitoring positional data	For some Participants, years and areas
Observer	As specified in data standards.....e.g. observer details, catch and effort, length-frequency, biological sampling, incidental bycatch, VME and tagging data	None received - except for length frequency data from Vanuatu for 2003 -2006 (jack mackerel)

Table 2: Mackerel Fisheries Catch Data Received by the Interim Secretariat to Date

(Note that only those Participants who have sent in some catch data are included in this table)

PARTICIPANT	Annual Aggregated Catch Data			5x5 public domain data		
	Years	Areas	Species	Years	Areas	Species
Australia	2007	SPRFMO	Chilean jack mackerel (0t)	*	*	*
	2007	Within Australian EEZ	All jack mackerel species (T. Declivis, T. symmetricus, T. Novae - zelandiae)	*	*	*
Belize	2007	SPRFMO	Horse and chub mackerel	2007	5x5 squares	Horse and chub mackerel
	2001-2006	SPRFMO	Horse mackerel	2001-2006	5x5 squares	Horse mackerel
China	2000-2007	FAO 87	Jack mackerel	2000-2007	FAO 87	Jack mackerel
Chile (may include catch within EEZ)	2007	FAO 87	Chilean jack mackerel & horse mackerel	*	*	*
	1985 - 2006		Jack mackerel	*	*	*
Cook Islands	2007	Unspecified	Jack/horse mackerel (Trachurus spp)	2007	Lat/ long	Jack/horse and chub mackerels
Cuba	1980 - 1991	Unspecified	Jack mackerel	*	*	*
European Community	1972 - 2007	Unspecified	Chilean jack mackerel and chub mackerel	2007	5x5 squares	Jack mackerel & Pacific mackerel
Faroe Islands	2007	FAO 87	Jack mackerel	*	*	*
Japan	1975 - 2004	FAO 87	Chilean jack mackerel and chub mackerel	*	*	*
Korea	2007	Unspecified	Horse mackerel and mackerel	*	*	*
New Zealand	2002 -2007 (preliminary estimates)	High Seas catches	Jack mackerels (0t), blue/English mackerel and mackerel spp	2002 -2007 (preliminary estimates)	High Seas catches only	Jack mackerels (0t caught in high seas) and blue/English mackerel
	1984/85 - 2005/06	NZ EEZ	Chilean jack mackerel			
Russian Federation [USSR]	1969 - 2007	FAO 81	Pacific mackerel and greenback horse mackerel	*	*	*
	1972 - 2007	FAO 87	Chilean jack mackerel and chub mackerel	*	*	*
Vanuatu	2003-2007	Unspecified	Chilean jack mackerel and chub mackerel (<i>Scomber japonicus</i>)	*	*	*

* No data received to date

Table 3: Summary of Jack/Horse/ Unspecified Mackerel Annual Aggregated Catch Data (t)

NB: Does not include data submissions specifically identified as chub/ Pacific mackerel

	AUSTRALIA	BELIZE	BELIZE	CHILE	CHILE	CHILE
SPECIES	Jack mackerel (T. Declivis, T. symmetricus, T. novae-zelandiae) (t)	Horse mackerel (t)	"Mackerel" – unspecified (t)	Jack mackerel: species not specified (t)	Chilean jack mackerel (t)	Horse mackerel (t)
METHOD	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
AREA	Australian EEZ	Unspecified	Unspecified	Area 87	Area 87	Area 87
YEAR	Catch was only taken within Australian EEZ; no Chilean jack mackerel	Not clear if includes some chub mackerel		*Includes catch from within waters of national jurisdiction	*Includes catch from within waters of national jurisdiction	*Includes catch from within waters of national jurisdiction
2007	680	#####	####		1293515 (prelim)	297110 (prelim)
2006		481		1,366,770		
2005		867		1,430,434		
2004		0		1,451,599		
2003		0		1,421,296		
2002		0		1,518,994		
2001		0		1,649,933		
2000				1,234,299		
1999				1,219,689		
1998				1,612,912		
1997				2,917,064		
1996				3,883,326		
1995				4,404,193		
1994				4,041,447		
1993				3,236,244		
1992				3,212,060		
1991				3,020,512		
1990				2,471,875		
1989				2,390,117		
1988				2,138,255		
1987				1,770,037		
1986				1,184,317		
1985				1,456,989		
1984						
1983						
1982						
1981						
1980						
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1977						
1976						
1975						
1974						
1973						
1972						
1971						
1970						
1969						

Data not shown as less than 3 vessels were fishing

Table 3 Continued

	CHINA	COOK Is.	CUBA	EC	EC	FAROE IS	JAPAN
SPECIES	Jack mackerel (t)	Jack mackerel (Trachurus spp) (t)	Jack mackerel (t)	Chilean jack mackerel (t)	Jack mackerel: species not specified(t)	Jack mackerel (t)	Chilean jack mackerel (t)
METHOD	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
AREA	FAO Area 87	FAO Area 87	Unspecified	Unspecified	Unspecified	FAO87	FAO Area 87
YEAR				*Unspecified "mackerel" was also reported for some years	*Unspecified "mackerel" was also reported for some years	May contain some small quantities of unspecified mackerel	
2007	140,582	7		123,511		38,700	
2006	160,000			62			
2005	143,000			6			
2004	131,020						
2003	94,690						
2002	76,261						
2001	20,090						
2000	####						
1999							7
1998							
1997							
1996							
1995							
1994							
1993							
1992					7,842		
1991			5,769		109,292		
1990			31,047		81,909		157
1989			14,784		11,584		###
1988			12,335		76,036		####
1987			34,226		864		####
1986			43,387		828		####
1985			42,287		847		5,229
1984			24,428		80,848		####
1983			45,981		40,357		####
1982			61,016		7,600		
1981			50,930		2,029		##
1980			54,295		7,540		
1979					45,495		###
1978					29,455		1,667
1977					1,078		2,273
1976					719		##
1975					680		
1974					55		
1973					35		
1972							
1971							
1970							
1969							

Data not shown as less than 3 vessels were fishing

Table 3 Continued

	KOREA	NZ	NZ	RUSSIA	RUSSIA	VANUATU
SPECIES	Horse mackerel (t)	Jack mackerel (Trachurus spp) (t)	Chilean jack mackerel (t)	Greenback horse mackerel (t)	Chilean Jack Mackerel (t)	Chilean Jack Mackerel (t): Trachurus murphyi
METHOD	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Midwater trawl
AREA	Unspecified	Proposed SPRFMO Area	NZ EEZ	FAO Area 81	FAO Area 87	Unspecified
YEAR	*Unspecified "mackerel" was also reported for some years		** Based on NZ fishing year; taken from paper #19 - A. Penney			
2007	10,940	0		0	0	
2006		0	4,645	0	0	129,535
2005		0	3,759	0	7,040	77,356
2004		0	3,083	0	62,300	94,685
2003		0	2,401	0	7,540	53,959
2002		0	4,470	0	0	
2001			5,345	0	0	
2000			8,226	0	0	
1999			16,203	223	0	
1998			20,376	52	0	
1997			19,569	886	0	
1996			25,331	2,280	0	
1995			21,013	1,602	0	
1994			20,604	1,804	0	
1993			19,938	4,260	0	
1992			9,301	2,892	32,000	
1991			7,519	127,000	591,800	
1990			3,154	67,518	1,122,297	
1989			3,167	56,543	1,096,292	
1988			1,488	#####	938,288	
1987			0	107,329	818,628	
1986			2,228	146,200	78,500	
1985			?	133,300	837,700	
1984			?	22,300	1,056,600	
1983				10,651	866,500	
1982				4,953	735,898	
1981				0	771,630	
1980				13	544,970	
1979				0	532,209	
1978				254	49,220	
1977				710	0	
1976				0	0	
1975				0	0	
1974				0	0	
1973				0	0	
1972				0	5,500	
1971				0		
1970				0		
1969				0		

Data not shown as less than 3 vessels were fishing

Table 4: Summary of 2007 Jack/Horse Mackerel Data Received in 5x5 Degree Squares (kg)

Participant	EUROPEAN COMMUNITY		CHINA		BELIZE	
Area			FAO Area 87			
5x5 Degree Square	No. Vessels Operating	Chilean jack mackerel (kg)	No. Vessels Operating	Jack Mackerel (kg)	No. Vessels Operating	Horse Mackerel (kg)
10-15S, 80-85W	1	x				
10-15S, 80-90W	1	x				
15-20S, 85-90W	1	x				
20-25S, 85-90W	1	x				
20-25S, 80-85W	2	x				
25-30S, 100-105W	1	x				
25-30S, 95-100W					1	x
25-30S, 85-90W	3	270,912			1	x
25-30S, 80-85W	2	x				
25-30S, 75-80W	1	x				
30-35S,110-115W			11	935,000	1	x
30-35S,105-110W	4	3,319,719	11	149,000	1	x
30-35S, 100-105W	6	14,209,116	11	5,659,000	1	x
30-35S, 95-100W	5	2,220,158	11	1,700,000	1	x
30-35S, 90-95W	7	9,317,419	11	14,340,000	1	x
30-35S, 85-90W	6	6,057,936	11	17,623,000	1	x
25-30S, 80-85W	1	x				
35-40S, 105-110W					1	x
35-40S, 100-105W	5	1,836,827			1	x
35-40S, 95-100W	4	2,586,204	11	4,320,000	1	x
35-40S, 90-95W	7	11,849,848	11	3,149,000	1	x
35-40S, 85-90W	5	9,047,976	11	4,236,000	1	x
35-40S, 80-85W	4	20,804,053	11	25,943,000	1	x
35-40S, 75-80W	3	2,133,672	11	3,393,000	1	x
40-45S, 85-90W	3	8,833,332	11	8,162,000		
40-45S, 80-85W	3	25,953,782	11	46,697,000	1	x
40-45S, 75-80W	2	x	11	3,044,000		x
45-50S, 80-85W			11	263,000	1	x
45-50S, 85-90W			11	969,000		
TOTALS		123,510,850		140,582,000		x

X Data not presented as is for less than 3 vessels

Table 5: Vessel Details Data Received to Date

PARTICIPANT	Vessel Type	Vessel information received?	No. Vessels	Data Provided to Required Standard? (Annex 4)	Years Data Provided For	Fisheries/species	Comments
Australia	Pelagic fishing vessels	*	*	*	*		
	Other vessels	Yes	Between 6-14 trawlers and 5-6 non-trawling vessels per annum	No	1987-2006		Numbers of vessels only provided
Belize	Pelagic fishing vessels	Yes	10	Generally	2007, 2008	Mackerel fisheries	1 midwater trawler actively fishing in 2007; 9 midwater trawlers authorised to fish but not actively fishing during 2007. GT
	Other vessels	Yes	1	Yes	2007, 2008	Orange roughy and alfonsino fisheries	Vessel details provided for 1 deep water trawler which is in the process of being de-registered from Belize. GT
Chile	Pelagic fishing vessels	Yes	138	No	2007	Pelagic	Vessel names and total GT only were provided
	Other vessels	*	*	*	*		
China	Pelagic fishing vessels	Yes	11	No	2006, 2007		
	Other vessels	Yes	82	No	2006	Jumbo flying squid	Many vessel detail variables missing. GT
Cook Islands	Pelagic fishing vessels	Yes	4	No	2007, 2008	Jack and horse mackerel fisheries	Names and GRT info only provided
	Other vessels	*	*	*	*		
Cuba	Pelagic fishing vessels	Yes	Varies between 4 - 18 per annum	No	1980 - 1991	Jack mackerel	Names only provided
	Other vessels	*	*	*	*		
European Community	Pelagic fishing vessels	Yes	8	Generally	*		All details provided except for moulded depth, beam and hold capacity. GT
	Other vessels	No	*	*	*		

* Indicates no data provided to date

Table 5 Continued

PARTICIPANT	Vessel Type	Vessel information received?	No. Vessels	Data Provided to Required Standard? (Annex 4)	Years Data Provided For	Fisheries/species	Comments
Japan	Pelagic fishing vessels	Yes	1	Yes	2007, 2008		Data includes 1 midwater trawler authorised to fish, but not actively fishing during 2007. GRT
	Other vessels	Yes	4	Yes	2007, 2008		Data includes 4 squid vessels; unsure which unit of vessel "length" has been provided. GRT
Korea	Pelagic fishing vessels	Yes	3	Yes	2007		Unclear whether tonnage is GT or GRT
	Other vessels	*	*	*	*		
New Zealand	Pelagic fishing vessels	*	*	*	*		No non-squid vessels were actively fishing in the pelagic fishery during 2007
	Other vessels	Yes	43	Yes	May 07 - Apr 08	All high seas	GT
Russian Federation [USSR]	Pelagic fishing vessels	Yes	3 (2007), 5 (2008)	Yes	2007, 2008		Data includes 3 midwater trawlers which were authorised to fish, but not actively fishing during 2007. GRT
	Other vessels	*	*	*	*		
Vanuatu	Pelagic fishing vessels	Yes	4	Yes	2007		GRT
	Other vessels	*	*	*	*		
Chinese Taipei Fishing Entity	Pelagic fishing vessels	*	*	*	*		
	Other vessels	Yes	13	No	2007	Squid	Total GT for 13 squid vessels = 10159 GT
	Other Vessels	Yes	Between 13 - 29 vessels per year	No	1992 - 2006	Squid	Data not provided on the number of squid vessels per year, only on the range in number of vessels for the period 1992 - 2006

* Indicates no data provided to date