South Pacific Regional Fisheries Management Organisation

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PrepCon-03-INF-03 Rev2

Update of Data Submitted to the Interim Secretariat as at 30 January 2012

Interim Secretariat

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1.0 Introduction

1.1 Catch/ Landing/ Observer/ VMS Data

This paper summarises the catch/landing, and observer data that have been submitted to the Interim Secretariat for the key species as of 30 January 2012. The species included in this report are MACKERELS, SQUIDS, ORANGE ROUGHY, ALFONSINOS and OTHER SPECIES categories as included in Section 8. It also lists Vessel Monitoring System (VMS) data which have been received.

An overall summary of the catch, landing, observer and VMS data received by the Interim Secretariat between 2007 - 2010 is included in Appendix 1. This summary represents a 'stocktake' of the data received, and does not necessarily reflect the requirements of the 2007 Interim Measures, 2009 Revised Interim Measures, 2011 Interim Measures for Pelagic Fisheries, or all of the specific requirements of the Data Standards.

1.2 Bottom Footprint Data

Australia, Chile, Korea and New Zealand have submitted some bottom fishing footprint data to the Interim Secretariat. These data are summarised in Appendix 2.

1.3 Key to Species Scientific Names Used

Chilean jack mackerel	CJM	*Trachurus murphyi*
Greenback horse mackerel	HMG	*Trachurus declivis*
Jack/horse mackerels *Trachurus*	JAX	*Trachurus* species mix or specific species unknown
Blue mackerel	MAA	*Scomber australasicus*
Chub mackerel	MAS	*Scomber japonicas*
Gould's flying squid	NDG	*Nototodarus gouldi*
Jumbo flying squid	GIS	*Dosidicus gigas*
Wellington flying squid	TSQ	*Nototodarus sloani*
Alfonsionos nei	ALF	*Beryx* species
Boarfishes nei	BOR	Caproidae
Splendid alfonsino	BYS	*Beryx splendens*
Brama species	BRA	*Brama species*
Bluenose/ blue eye trevalla	BWA	*Hyperoglyphe Antarctica*
Cobia	CBA	*Rachycentron canadum*
Cardinal fishes nei	CDL	*Epigonus* spp
Cusk-eels nei (Ling)	CEX	*Genypterus* spp
Hapuka	HAU	*Polyprion spp*
Oreo dories nei	ORD	Oreosmatidae
Dories nei	ZEX	Zeidae

2.0 Summary of Jack Mackerel (*Trachurus*) Data Received by the Interim Secretariat

Table 2.1: Annual Catch Data - *Trachurus* species (Part 1 of 4)

NB: Does not include data submissions specifically identified as chub mackerel, or mackerel where the species/type was not specified

	Catch (t)				
	Belize		Chile		China
Area	5x5 squares	5x5 squares	FAO 87 (High Seas only)	FAO 87 (High Seas and EEZ)	FAO87
Species	Chilean jack mackerel	Horse mackerel	Chilean jack mackerel	Chilean jack mackerel	Chilean jack mackerel
2010	2,240		109,298	464,808	63,606
2009	5,681		343,135	834,927	117,963
2008	15,245		519,738	896,108	143,182
2007		12,585	262,617	1,302,784	140,582
2006		481		1,366,770	160,000
2005		867		1,430,434	143,000
2004		0		1,451,599	131,020
2003		0		1,421,296	94,690
2002		0		1,518,994	76,261
2001		0		1,649,933	20,090
2000				1,234,299	x
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					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					

X Data not displayed as catch totals are for less than 3 vessels and data are not already public

Table 2.1: Annual Catch Data - *Trachurus* species (Part 2 of 4)

NB: Does not include data submissions specifically identified as chub mackerel, or mackerel where the species/type was not specified

	Catch (t)				
	Cook Islands	**Cuba**	**EU[#]**		**Faroe Islands**
Area	FAO87	FAO87	FAO87 (High Seas)	Unspecified	FAO87 (High seas)
Species	Jack mackerel (*Trachurus* spp)	Chilean Jack Mackerel	Chilean jack mackerel	Jack mackerel - unspecified	Chilean Jack Mackerel
2010	0		67,497		11,643
2009	0		111,921		20,213
2008	0		106,665		22,919
2007	7		123,511		38,700^
2006			62,137		
2005			6,179		
2004					
2003					
2002					
2001					
2000					
1999					
1998					
1997					
1996					
1995					
1994					
1993					
1992		3,196		7,842	
1991		30,828		109,292	
1990		41,197		81,909	
1989		24,486		11,584	
1988		44,209		76,036	
1987		35,980		864	
1986		46,833		828	
1985		32,258		847	
1984		34,008		80,848	
1983		54,875		40,357	
1982		83,881		7,600	
1981		74,227		2,029	
1980		83,971		7,540	
1979		19,000		45,495	
1978				29,455	
1977				1,078	
1976				719	
1975				680	
1974				55	
1973				35	
1972					
1971					
1970					

^ Total includes small quantities of unspecified mackerel

[#] The EU data includes Lithuanian *Trachurus* catch data for all years where Lithuanian catch existed; this same Lithuanian catch data is included within the Russian Federation data submission for *Trachurus* catch for years prior to the dissolution of the former Soviet Union

Table 2.1: Annual Catch Data - *Trachurus* species (Part 3 of 4)

NB: Does not include data submissions specifically identified as chub mackerel, or mackerel where the species/type was not specified

	Catch (t)				
	Japan	**Korea**	**Peru**	**Russian Fedn.#**	
Area	FAO87	FAO87 (High Seas)	FAO 87 (High Seas)	FAO81	FAO87
Species	Chilean Jack Mackerel	Chilean jack mackerel	Chilean jack mackerel	Greenback horse mackerel	Chilean jack mackerel
2010		8,183	40,516		41,315
2009		13,759	13,326		9113+
2008		12,600			x
2007		10,940		0	0
2006		10,474		0	0
2005		x		0	7,040
2004		7,438		0	62,300
2003		2,010		0	7,540
2002				0	0
2001				0	0
2000				0	0
1999	7			223	0
1998				52	0
1997				886	0
1996				2,280	0
1995				1,602	0
1994				1,804	0
1993				4,260	0
1992				2,892	32,000
1991				127,000	591,800
1990	157			67,518	1,122,297
1989	x			56,543	1,096,292
1988	x			58,797	938,288
1987	x			107,329	818,628
1986	x			146,200	785,000
1985	5,229			133,300	837,700
1984	x			22,300	1,056,600
1983	x			10,651	866,500
1982				4,953	735,898
1981	x			0	771,630
1980				13	544,970
1979	x			0	532,209
1978	1,667	x		254	49,220
1977	2,273			710	0
1976	x			0	0
1975				0	0
1974				0	0
1973				0	0
1972				0	5,500
1971				0	0
1970				0	0

+ This is the sum of catch taken by 5 of the 6 vessels that were present in the Area in 2009

X Data not displayed as catch totals are for less than 3 vessels and data are not already public

For years prior to the dissolution of the former Soviet Union, the Russian Fedn data submission for *Trachurus* catch includes Lithuanian catch data; these Lithuanian catch data are also included within the EU catch data submission for *Trachurus* species for this same period

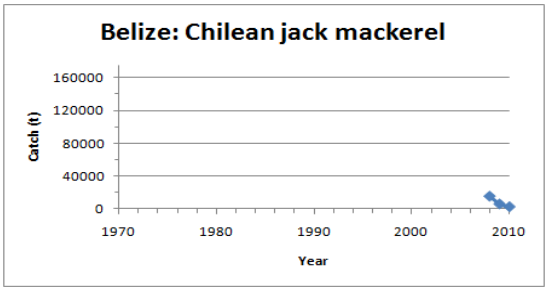
Table 2.1: Annual Catch Data - *Trachurus* species (Part 4 of 4)

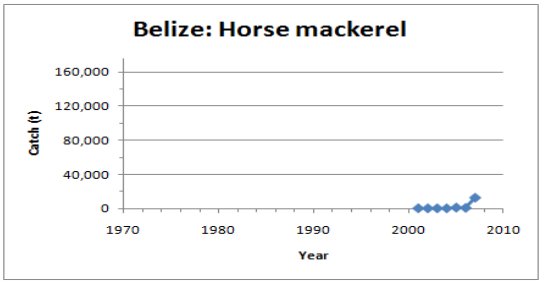
NB: Does not include data submissions specifically identified as chub mackerel, or mackerel where the species/type was not specified

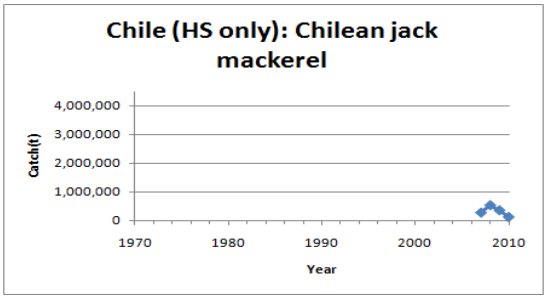
	Catch (t)		
	Ukraine		Vanuatu
Area	FAO81	FAO87	FAO87
Species	*T. murphyi*	*T. murphyi*	*T. murphyi*
2010			45,908
2009			79,942
2008			100,066
2007			112,501
2006			129,535
2005			77,356
2004			94,685
2003			53,959
2002			
2001			
2000			
1999			
1998			
1997			
1996			
1995			
1994			
1993			
1992		2,736	
1991	7,838	65,126	
1990	3,574	115,049	
1989	2,292	109,695	
1988	868	104,006	
1987	5,274	89,116	
1986	5,778	81,275	
1985	7,313	100,464	
1984		162,524	
1983	1,982	140,185	
1982	631	82,633	
1981		85,517	
1980		58,677	
1979		90,371	
1978		4,783	
1977			
1976			
1975			
1974			
1973			
1972			
1971			
1970			

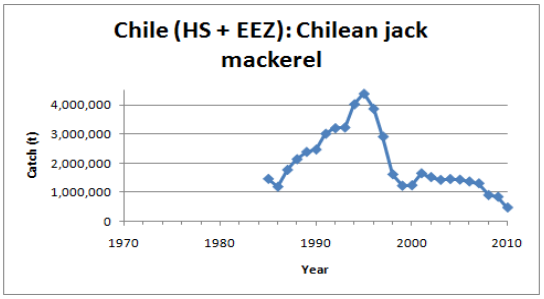
X Data not displayed as catch totals are for less than 3 vessels and data are not already public

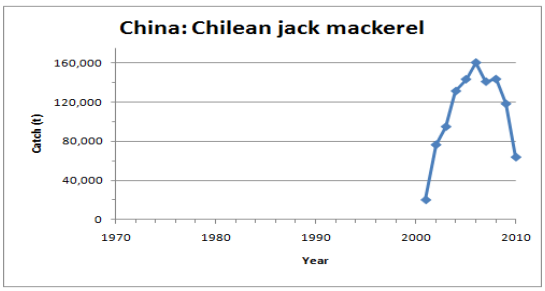
Figure 2.1: Annual Catch Data – *Trachurus* species (Part 1 of 2)

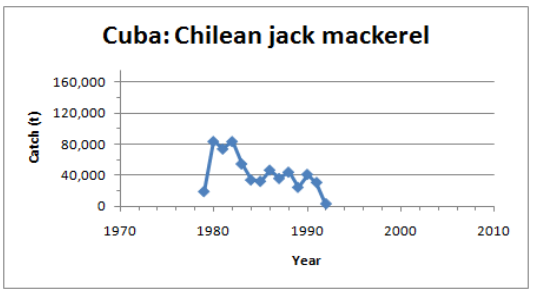


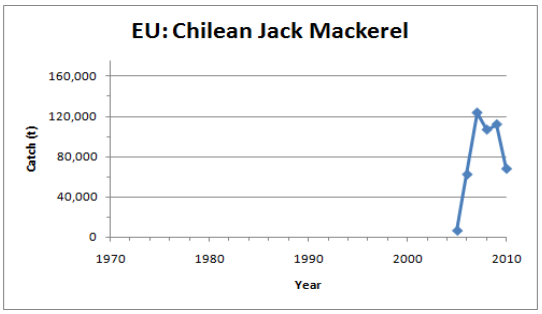


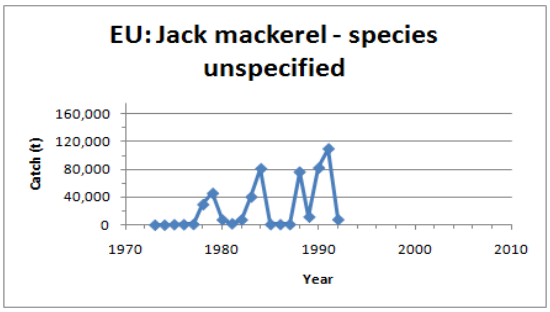


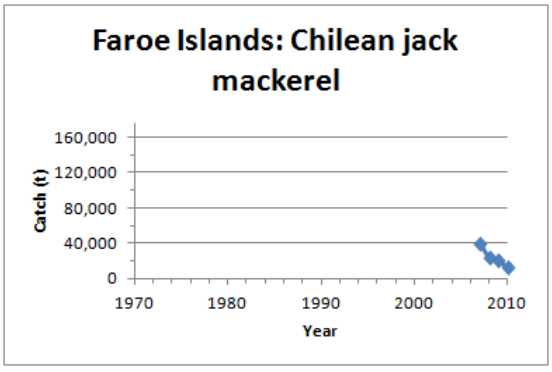












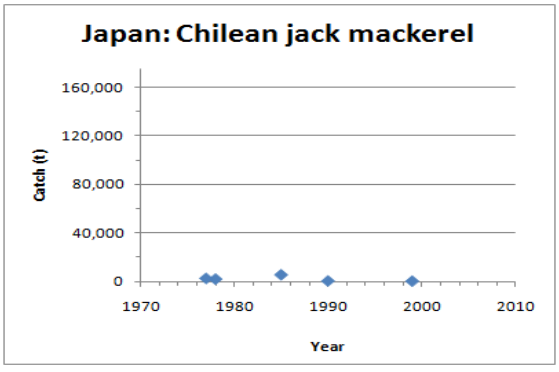
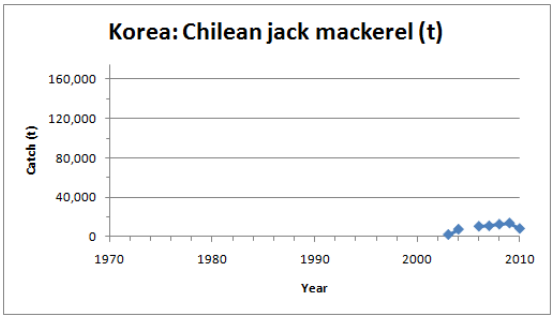
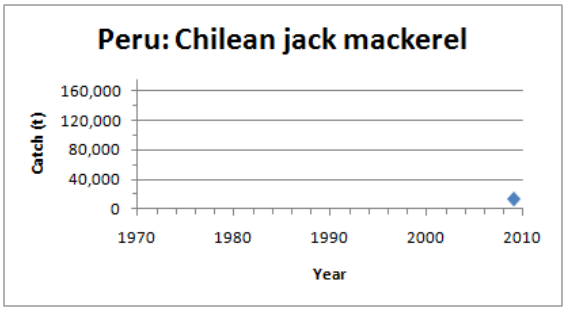
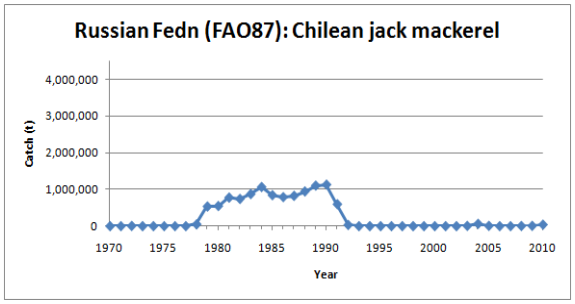
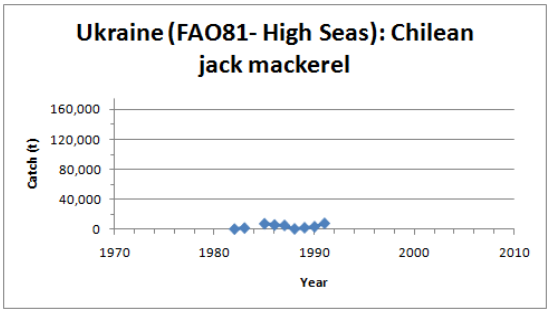


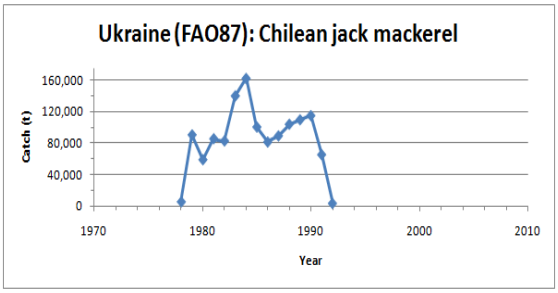
Figure 2.1: Annual Catch Data - *Trachurus* species (Part 2 of 2)

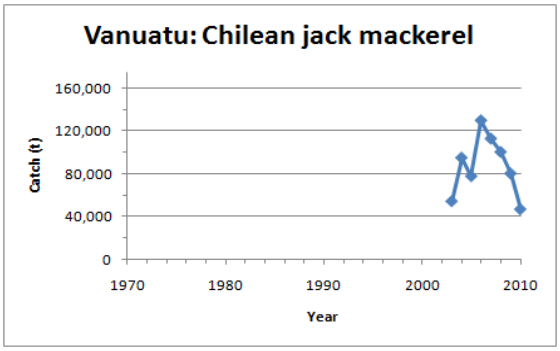












Finer Scale Chilean Jack Mackerel (*T. murphyi*) Data Received to Date

The following table details the finer scale *Trachurus murphyi* data received to date by the Interim Secretariat:

Table 2.2: Summary of More Detailed *Trachurus* Data Received

PARTICIPANT	Finer Scale Catch/ Landing Data Provided for the Years Listed		
	5x5 Degree Square	1x1 Degree Square	Tow by Tow
Belize	2008 (by month and vessel), 2009; 2010 (by day and position)	2007 (JAX by vessel/day/ month)	
Chile		2007-2009	2010 (purse seine by trip)
China	2000-2007	2008	2009-2010
Cook Islands			2007
EU	2007		2008-2010; 2011 (2 vessels)
Faroe Islands			2008, 2009 (preliminary); 2010
Korea	2003-2006		2007-2010
Peru			
Russian Fedn.			2008, 2009 (for 5 of 6 vessels); 2011
Vanuatu*			2008-2010

* Also provided catch by day and vessel for 2007

Monthly catch returns of preliminary *Trachurus* species catch data were also submitted to the Interim Secretariat during 2011, and these preliminary catch data are summarised in Table 2.3 below.

Table 2.3: Preliminary Total Catches of *Trachurus* Species in 2011

Year		Belize	Chile (industrial & artisanal)	China	Cuba	Ecuador	European Union	Faroe Islands	Korea	Peru	Russian Federation	Vanuatu	Grand Total (t) 2011 to Date
2011	High Seas	0	53,572	32,862	8	0	2,261	0	9,253	674	8,229	7,672	114,531
2011	EEZ	0	189,813	0	0	69,153	0	0	0	235,312	0	0	494,278
													608,809

3.0 EEZ Catch Data Summaries of Mackerel - *Trachurus* species

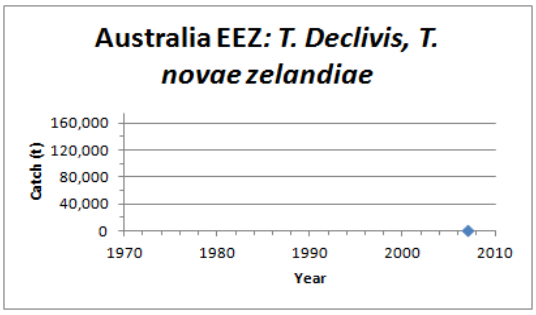
Table 3.1: Annual Catch Data of EEZ *Trachurus* Species (Part 1 of 2)

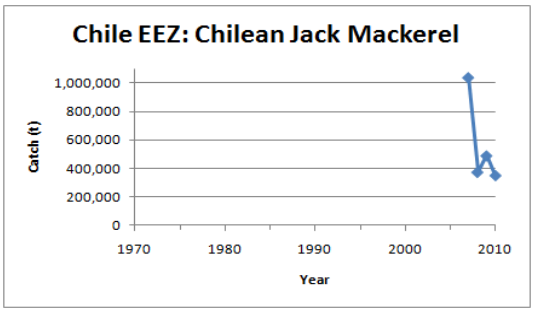
Area	Catch (t)		
	Australia	**Chile**	**Ecuador**
	EEZ	EEZ	EEZ
Species	Jack mackerel (*T. Declivis, T. novae zelandiae*)	Chilean jack mackerel (*T. murphyi*)	Chilean jack mackerel (*T. murphyi*)
2010	0	355,510	4,613
2009	0	491,792	1,935
2008	0	376,370	0
2007	680	1,040,167	927
2006			0
2005			0
2004			0
2003			0
2002			604
2001			134,011
2000			7,121
1999			19,072
1998			25,900
1997			30,302
1996			56,782
1995			174,393
1994			36,575
1993			2,673
1992			15,022
1991			45,313
1990			4,144
1989			35,108
1988			
1987			
1986			
1985			
1984			
1983			
1982			
1981			
1980			
1979			
1978			
1977			
1976			
1975			
1974			
1973			
1972			
1971			
1970			

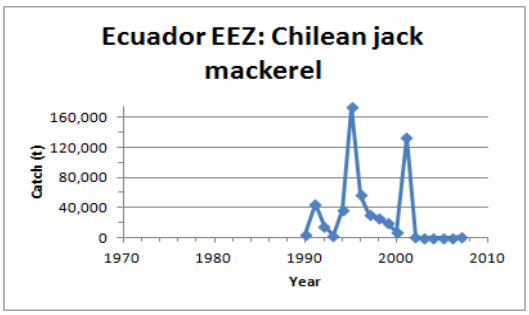
Table 3.1: Annual Catch Data of EEZ *Trachurus* Species (Part 2 of 2)

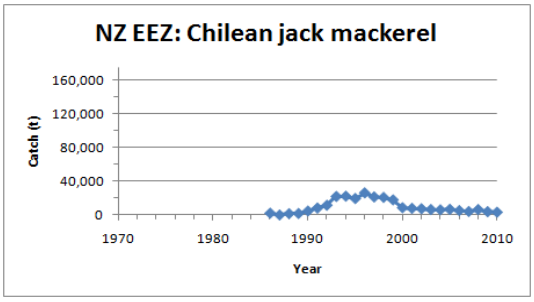
Area	Catch (t)				
	New Zealand	New Zealand	New Zealand	Peru	Ukraine
	EEZ	EEZ	EEZ	EEZ	FAO81 (NZ EEZ)
Species	Chilean jack mackerel (*T. murphyi*)	*T. novaezealand-iae*	*T. declivis*	Chilean jack mackerel (*T. murphyi*)	Jack and horse mackerels nei (mix of *Trachurus declivis, T. murphyi, T. novaezelandiae*)
2010	3,303	14,984	22,591	300	
2009	3,964	14,390	21,820	25,912	
2008	6,500	14,664	26,231	169,537	
2007	4,186	16,265	25,923	254,426	22,067
2006	5,253	14,226	16,873	277,568	
2005	6,730	23,442	15,564	80,663	
2004	6,184	15,650	21,335	187,369	22,600
2003	6,538	13,663	17,548	217,734	25,016
2002	7,486	9,986	14,831	154,219	5,667
2001	7,916	11,768	9,805	723,733	7,577
2000	8,677	3,844	10,033	296,579	12,213
1999	18,058	2,889	13,412	184,679	15,306
1998	20,993	8,796	6,229	386,946	9,309
1997	21,543	8,374	5,119	649,751	9,740
1996	26,386	10,133	6,212	438,736	13,093
1995	19,678	8,898	7,775	376,600	8,990
1994	22,434	4,934	14,917	196,771	4,192
1993	22,108	13,295	13,879	130,681	7,937
1992	11,611	13,444	12,632	96,660	2,878
1991	8,287	13,219	12,222	136,337	319
1990	4,780	10,791	11,637	191,139	214
1989	1,810	6,959	14,601	140,720	
1988	1,598	8,019	14,536	118,076	
1987	0	9,365	10,064	46,304	
1986	2,206	7,894	7,395	49,863	
1985				87,466	
1984				184,333	
1983				76,825	
1982				50,013	
1981				37,875	
1980				123,380	6
1979				151,591	
1978				386,793	
1977				504,992	
1976				54,154	
1975				37,899	
1974				129,211	
1973				42,781	
1972				18,782	
1971				9,189	
1970				4,711	

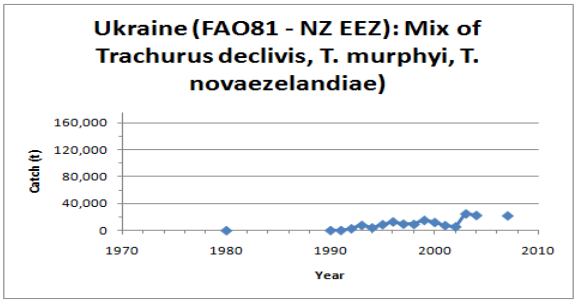
Figure 3.1: Annual Catch Data of EEZ *Trachurus* Species Catch

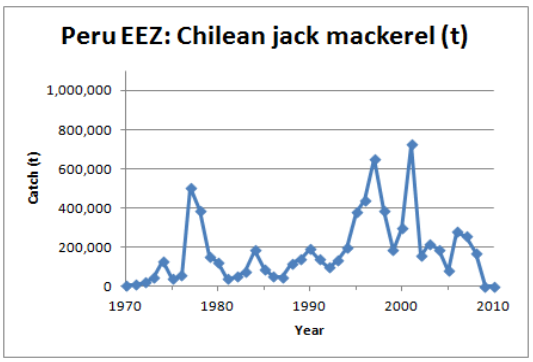












4.0 Summary of 'Other Mackerel' Data Received by the Interim Secretariat

Table 4.1: Annual Catch Data– Other Mackerels (including chub & unspecified mackerel) Part 1 of 3

	Catch (t)				
	Belize	**Chile**		**EU**	
Area	FAO87	FAO 87 (High Seas only)	FAO 87 (High Seas and EEZ)	FAO87	FAO 71, 77, 81, 87 combined
Species	Mackerel- species unspecified/ *S. japonicus*	Chub mackerel - *Scomber japonicus*	Chub mackerel - *Scomber japonicus*	Chub mackerel	Mackerel- species not specified
2010	21.36	936	95,659	678	
2009	295.2^	21,936	158,452	5,168	
2008	1103.96^	45,702	133,018	5,879	
2007	966	63,492	297,189	9,067	
2006			345,673	5,989	
2005			280,756	211	
2004			577,336		
2003			572,052		
2002			343,371		
2001			365,031		
2000			95,789		
1999			120,123		
1998			71,769		
1997			211,649		
1996			146,649		
1995			110,210		
1994			27,171		
1993			96,023		
1992			72,364		36
1991			191,723		14,396
1990			192,948		98,123
1989			39,328		109,556
1988			26,423		90,655
1987			32,799		82,955
1986			1,584		79,454
1985			11,314		81,361
1984					69,055
1983					39,792
1982					44,628
1981					78,261
1980					48,129
1979					93,311
1978					13,273
1977					596
1976					97
1975					7

X Data not displayed as catch totals are for less than 3 vessels and data are not already public
^ Species confirmed as *Scomber japonicas*

Table 4.1: Annual Catch Data– Other Mackerels (including chub & unspecified mackerel) Part 2 of 3

	Catch (t)			
	Faroe Islands	**Japan**	**Korea**	**New Zealand**
Area	FAO87	FAO87	FAO87 (High Seas)	5x5
Species	*Scomber japonicus*	Chub mackerel	Chub mackerel	*Scomber australasicus*
2010	x		x	0
2009	x		x	0
2008	x		968	0
2007			1,240	0
2006			1,460	0
2005			x	5
2004			708	3
2003			39	0
2002				5
2001				
2000				
1999		1		
1998				
1997				
1996				
1995				
1994				
1993				
1992				
1991				
1990		<0.5		
1989				
1988				
1987				
1986				
1985				
1984		1		
1983				
1982				
1981				
1980				
1979		1		
1978		<0.5		
1977				
1976				
1975				

X Data not displayed as catch totals are for less than 3 vessels and data are not already public

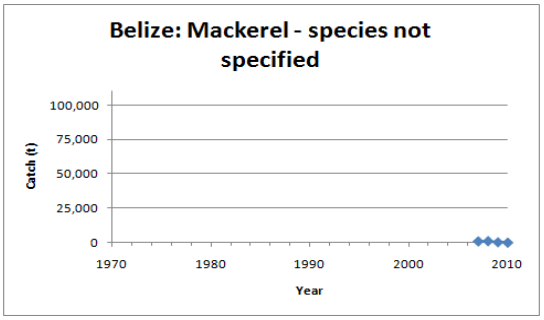
Table 4.1: Annual Catch Data –Other Mackerels (including chub & unspecified mackerel) Part 3 of 3

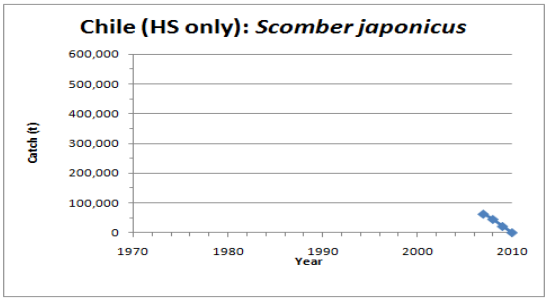
	Catch (t)				
	Russian Fedn.		Ukraine		Vanuatu
Area	FAO81	FAO87	FAO81 (includes some catch from NZ EEZ)	FAO87	FAO87
Species	Pacific mackerel	Chub mackerel	*Scomber australasicus*	*Scomber japonicus*	Chub mackerel
2010					676
2009		535			4,901
2008		x^			8,945
2007	0	0			7,705
2006	0	0			3,352
2005	0	0			1,819
2004	0	0	0		3,137
2003	0	0	0		1,553
2002	0	0	0		
2001	0	0	0		
2000	0	0	0		
1999	0	0	0		
1998	0	0	0		
1997	0	0	0		
1996	0	0	0		
1995	75	0			
1994	204	0	0		
1993	326	0	0		
1992		0	0	17	
1991	828	18,257	0	1,063	
1990	100	74,168		2,085	
1989	700	28,160	25	999	
1988	x	34,805		519	
1987	50	3,835	1	79	
1986	0	1,920		647	
1985	50	38,275		39	
1984	0	71,952		78	
1983	0	4,416			
1982	0	41,878		565	
1981	0	41,500		4,708	
1980	0	48,300		1,282	
1979	0	5,800		522	
1978	0	1,773		122	
1977	0	0			
1976	0	0			
1975	0	0			

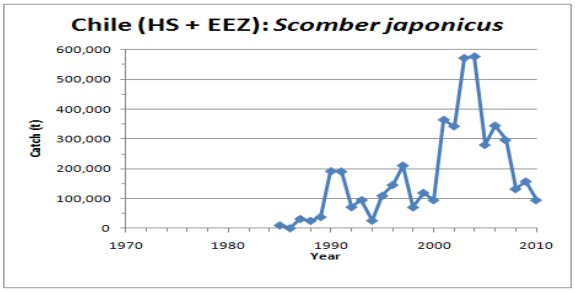
X Data not displayed as catch totals are for less than 3 vessels and data are not already public

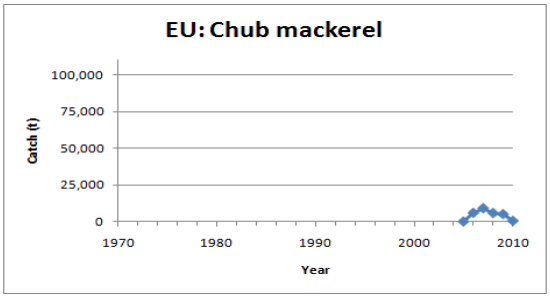
^ Species confirmed as *Scomber japonicus*

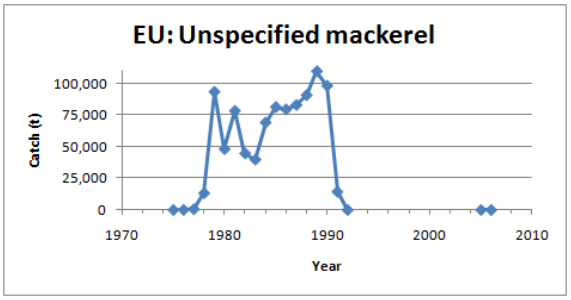
Figure 4.1: Annual Catch Data - Other Mackerels (including chub & unspecified mackerel)

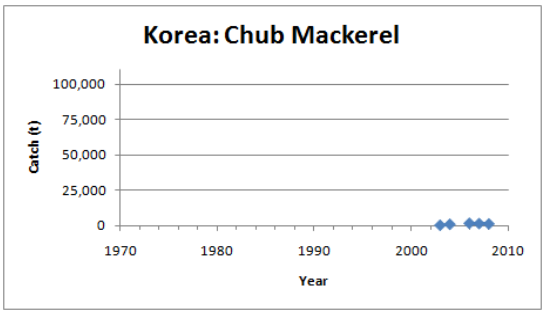


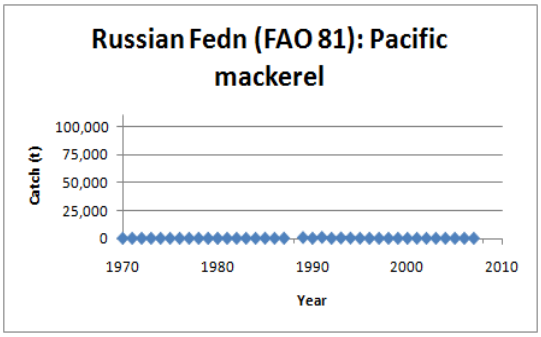












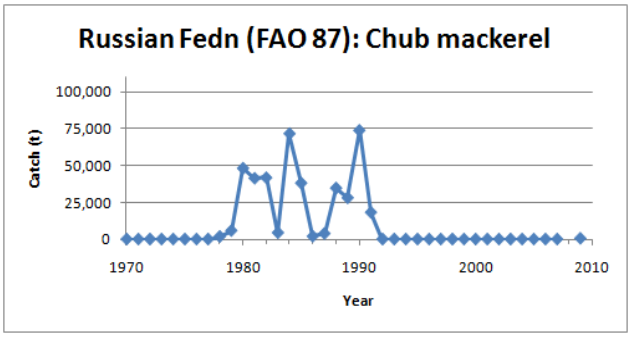
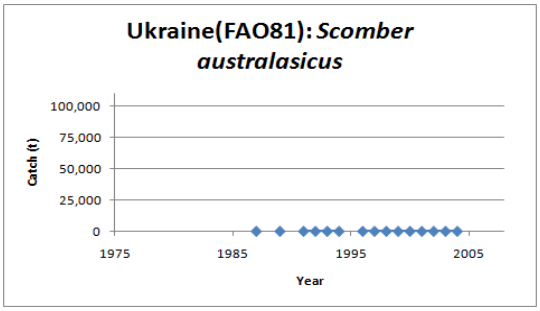
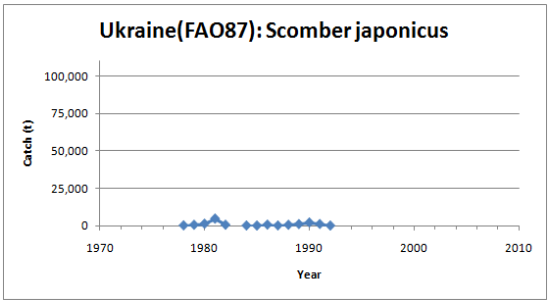
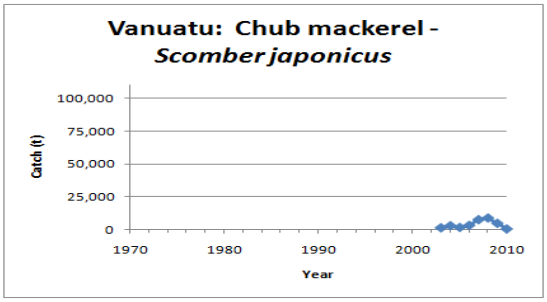


Figure 4.1 Contd: Annual Catch Data - Other Mackerels (including chub & unspecified mackerel)







Finer Scale 'Other' Mackerel Data Received to Date

The following table details the finer scale 'other mackerel' (non-*Trachurus)* data received to date by the Interim Secretariat:

Table 4.2: Summary of Finer Scale 'Other mackerel' Data Received

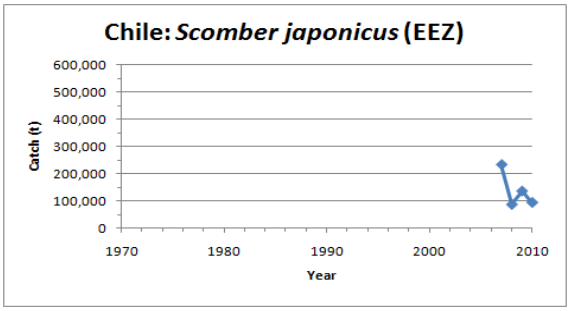
PARTICIPANT	Finer Scale Catch/ Landing Data Provided for the Years Listed		
	5x5 Degree Square	1x1 Degree Square	Tow by Tow
Belize	2008 (by month and vessel), 2009, 2010 (by day, position)	2007 (mackerel - species not specified - by vessel/day/ month)	
Chile		2007-2009	2008-2009; 2010 (purse seine by trip)
EU	2007		2008 -2010
Faroe Islands			2008,2009 (preliminary)
Korea	2003-2006		2007-2010
Russian Fedn.			2008; 2009 (for 5 of 6 vessels); 2011
Vanuatu*			2008-2010

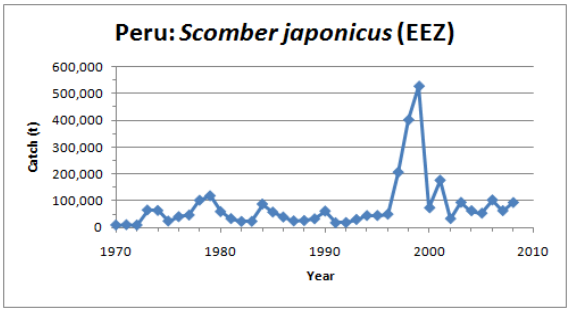
* Also provided catch by day and vessel for 2007

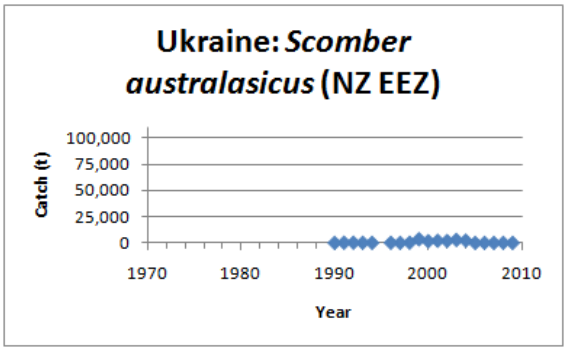
Table 4.3: Annual Catch Data of EEZ Chub Mackerel

Area	Catch (t)		
	Chile	**Peru**	**Ukraine**
	EEZ	EEZ	NZ EEZ
Species	*Scomber japonicus*	*Scomber japonicus*	*Scomber australasicus*
2010	94,723		
2009	136,516		
2008	87,316	92,989	
2007	233,697	62,387	
2006		102,322	
2005		52,895	
2004		62,255	2,165
2003		93,384	2,843
2002		32,698	1,849
2001		176,202	2,040
2000		73,263	1,677
1999		527,729	3,457
1998		401,903	214
1997		206,183	9
1996		49,221	156
1995		44,259	
1994		44,115	133
1993		29,504	94
1992		17,939	213
1991		17,304	224
1990		60,776	2
1989		32,042	
1988		25,554	
1987		24,072	
1986		38,709	
1985		57,069	
1984		87,134	
1983		22,579	
1982		22,072	
1981		32,803	
1980		59,062	
1979		118,067	
1978		101,505	
1977		46,071	
1976		40,172	
1975		23,588	
1974		63,270	
1973		64,966	
1972		8,707	
1971		10,113	
1970		8,791	

Figure 4.2: Annual Catch Data of EEZ Chub Mackerel (*Scomber japonicas*) Catch







5.0 Squid Data Summary: Fish Taken Entirely or Partially within SPRFMO Area

Chile (2007 – 09) and Peru (1990 – 2008) have also submitted EEZ only catches of jumbo flying squid.

Table 5.1: Squid Annual Catch Data Received (Part 1 of 3)

	Catch (t)			
	Belize	**Chile**	**China**	**EU**
Area	5x5 square	Includes catch from within national waters of jurisdiction	FAO87	Unspecified
Species	Squid - species not specified	Squid - Jumbo Flying squid	Squid - Jumbo Flying squid	Squid - species not specified
2010		200,428~	142,000	
2009		56,337~	70,000	
2008		145,171~	79,064	
2007	0	124,389~	49,963	
2006	0	219,800	62,000	
2005	825	296,953	86,000	
2004	681	175,134	205,600	
2003	479	15,191	81,000	
2002	588	5,589	50,483	
2001	453	3,476	17,770	
2000		9		
1999		6		
1998		5		
1997				
1996		2		
1995				
1994		205		
1993		7,442		
1992		9,400		
1991		445		1,075
1990				6,497
1989				2,003
1988				
1987				
1986				
1985				
1984				
1983				
1982				
1981				
1980				
1979				
1978				
1977				
1976				
1975				
1974				
1973				
1972				
1971				
1970				
1969				

~ This catch was all taken within the Chilean EEZ only

Table 5.1: Squid Annual Catch Data Received (Part 2 of 3)

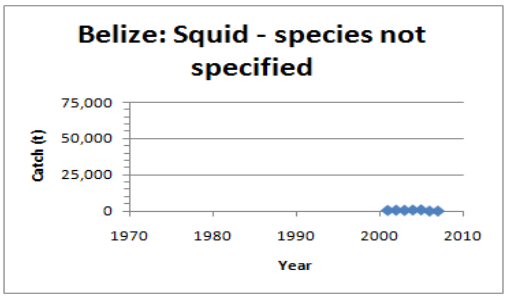
	Catch (t)						
	Japan	**Korea**	**Korea**	**Korea**	**New Zealand**	**Russian Fedn.**	**Russian Fedn.**
Area	FAO87	FAO87 (High Seas only)	FAO87 (EEZ of Peru only)	FAO87 (EEZ of Peru and High Seas)	FAO81	FAO81	FAO87
Species	Squid - Jumbo Flying squid	Squid - Jumbo Flying squid	Squid - Jumbo Flying squid	Squid - Jumbo flying squid	Squid (OMZ, UHX, UHU)	Squid - species not specified	Squid - species not specified
2010	498	6,742	7,764	14,506	<0.5		
2009		0	7,221	7,221	0		
2008		804	5,971	6,775	0		
2007		0	0	0	<0.5	0	0
2006	323	437	2,048	2,485	<0.5	0	0
2005	1,633	0	x	x	0	0	0
2004	4,615	8,761	2,026	10,787	<0.5	0	0
2003	4,510	3,041	1,681	4,722	<0.5	0	0
2002	33,978	8,629	13,130	21,759	<0.5	0	0
2001	1,132	0	5,797	5,797		0	0
2000	1,704			20,822		0	0
1999	x			19,728		1,352	0
1998						1,907	0
1997	x			3,359		5,809	0
1996	644			12,896		8,365	0
1995	37			35,719		17,004	0
1994	2,698			69,664		22,098	0
1993	3,579			62,887		15,600	0
1992	1,874			43,022		28,767	0
1991	50			24,015		17,331	23,240
1990	x			3,465		21,654	7,860
1989	x					13,413	380
1988	x					x	0
1987						9,135	0
1986						15,818	0
1985						18,267	130
1984						19,076	10
1983						20,319	0
1982						18,118	10
1981						12,902	60
1980						15,506	0
1979						14,308	45
1978						3,112	0
1977						26,837	0
1976						0	0
1975						0	0
1974						0	0
1973						0	0
1972						0	<0.5
1971						0	
1970						0	
1969						100	

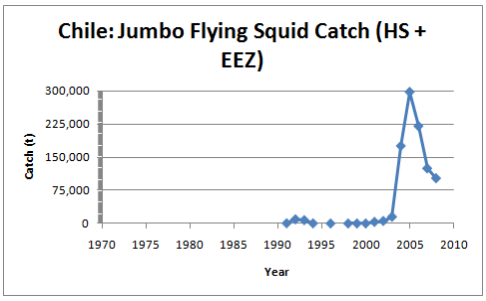
X Data not displayed as catch totals are for less than 3 vessels and data are not already public

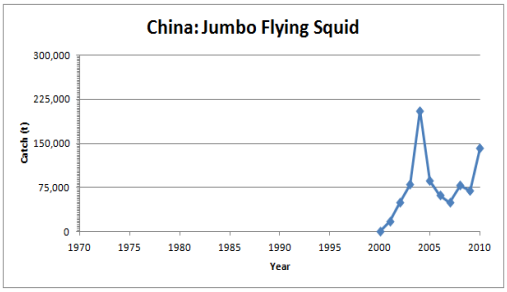
Table 5.1: Squid Annual Catch Data Received (Part 3 of 3)

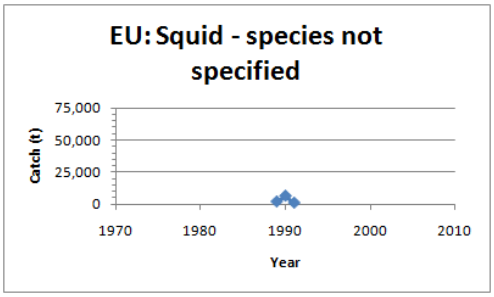
	Catch (t)			
	Ukraine		Chinese Taipei	Chinese Taipei
Area	FAO81 (NZ EEZ)	FAO87	FAO87	NZ EEZ
Species	Squids: *Nototodarus sloani, N.gouldi*	Squid - Jumbo Flying squid	Squid - Jumbo Flying squid	Squid - *N. solani*
2010			29,206	
2009			12,319	
2008			31,161	
2007			14,750	
2006			18,349	3,304
2005			15,976	3,831
2004	20,122		39,450	0
2003	10,379		23,009	0
2002	11,230		12,064	0
2001	8,623		0	0
2000	2,872		0	0
1999	1,462		0	761
1998	5,321		0	3,974
1997	7,955		0	6,620
1996	4,136		0	14,747
1995	6,630		0	8,284
1994	10,428		0	0
1993	5,546		0	0
1992	2,932	1	1,698	0
1991	699	398		0
1990		142		0
1989				0
1988				0
1987				850
1986				1,253
1985				8,343
1984				17,900
1983				16,377
1982				13,100
1981				8,147
1980	6,986			3,497
1979	6,191			1,601
1978				2,163
1977				1,797
1976				1,379
1975				254
1974				95
1973				109
1972				
1971				
1970				
1969				

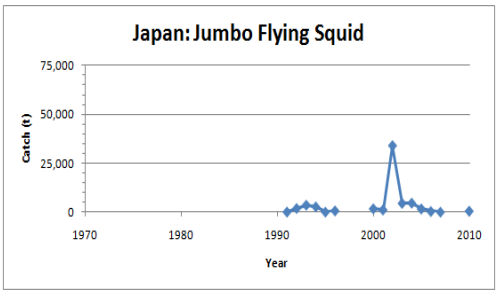
Figure 5.1: Squid Annual Catch Data Received

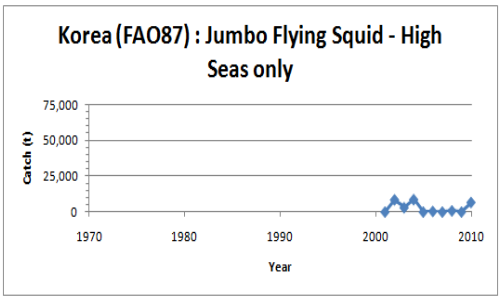


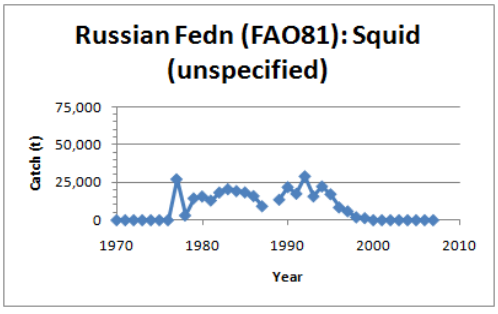












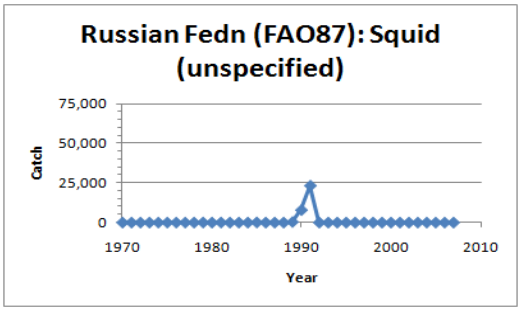
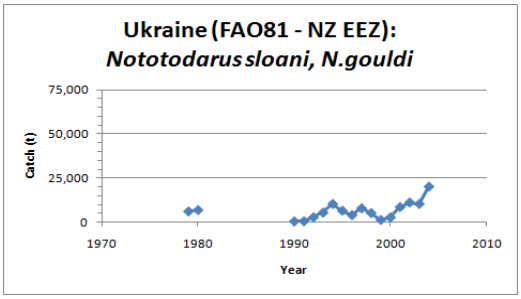
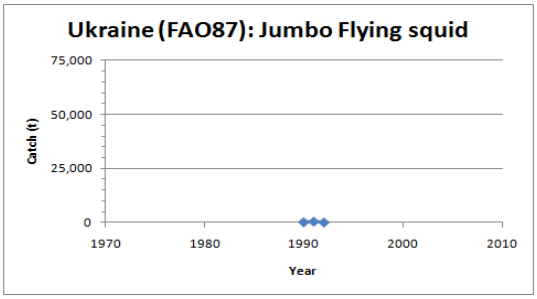
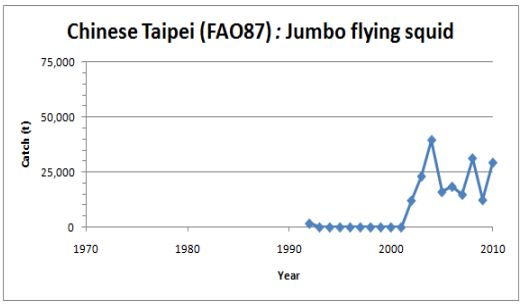
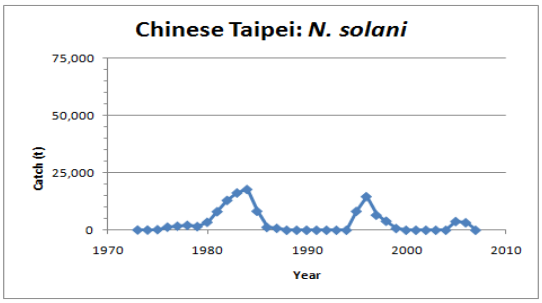


Figure 5.1 continued: Squid Annual Catch Data Received









Finer Scale Squid Data Received

The following table details the finer scale squid data received to date by the Interim Secretariat:

Table 5.2: Summary of Finer Scale Squid Data Received

PARTICIPANT	Finer Scale Catch/ Landing Data Provided for the Years Listed		
	5x5 Degree Square	1x1 Degree Square	Tow by Tow
Belize	2001-2005		
Chile		2007-2009	
China	2003-2008		
Japan	1988-2006; 2010		
New Zealand	2002-2010		
Chinese Taipei	2007-2010		

6.0 Orange Roughy Data Summary: Fish Taken Entirely or Partially within SPRFMO Area

Table 6.1: Annual Catch Data for Orange Roughy Received (Part 1 of 2)

Year	Catch (t)			
	Australia	Belize	China	EU
Area	23.5-60S, 120-180E	5x5 square	FAO87	Unspecified
2010	0			
2009	0			
2008	0			
2007	148	332[1]	336[1]	
2006	166	200	570	
2005	207	506	710	
2004	351	914	592	
2003	156	9	562	
2002	383	0	597	
2001	751	0	520	
2000	948			
1999	2,514			
1998	3,098			
1997	1,458			
1996	x			
1995	x			
1994	192			
1993	x			
1992	x			
1991	x			
1990	x			
1989	x			
1988	x			
1987	x			
1986				
1985				
1984				
1983				
1982				
1981				3,748
1980				
1979				
1978				
1977				
1976				
1975				
1974				
1973				
1972				
1971				
1970				
1969				

X Data not displayed as catch totals are for less than 3 vessels and data are not already public

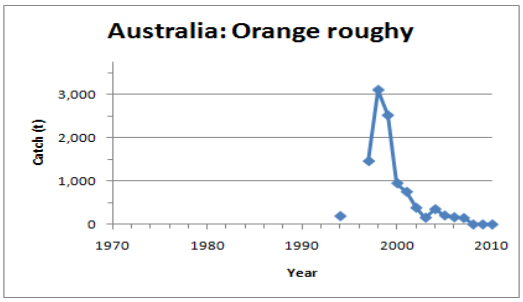
1 – The catch of orange roughy reported here was reported by both Belize and China as the annual total for the same vessel fishing in the same time period. Therefore, this catch is being double-counted in this table

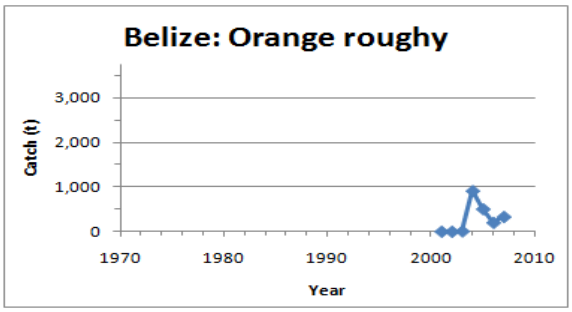
Table 6.1: Annual Catch Data for Orange Roughy Received (Part 2 of 2)

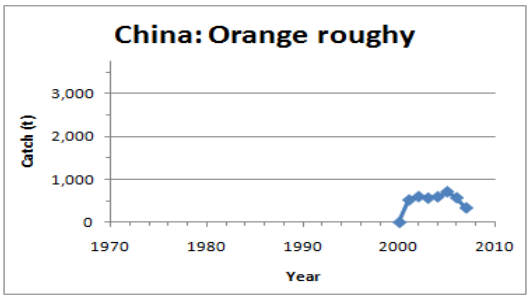
Year	Catch (t)				
	Korea	New Zealand	Russian Fedn.	Ukraine	
Area	FAO81 (EEZ and HS)	FAO81	FAO81	FAO81 (outside NZ EEZ)	FAO81 (NZ EEZ)
2010		1,474			
2009		928			
2008		837			
2007	x	866	0		
2006	x	1,415	0		
2005	x	1,597	0		
2004	x	1,697	0	49	223
2003	x	1,973	0	164	12
2002	208	2,578	0		
2001	94		0		195
2000	288		0	53	49
1999	x		0		
1998			0		
1997			0		
1996			0		
1995			0		
1994			0		
1993			0		
1992			0		
1991			506		
1990			36		
1989			1,132		
1988			x		
1987			130		
1986			2,475		
1985			4,306		
1984			4,028		
1983			7,229		
1982			8,860		
1981			14,076		
1980			17,300		
1979			1,251		
1978			0		
1977			319		
1976			0		
1975			0		
1974			0		
1973			0		
1972			0		
1971			0		
1970			0		
1969			0		

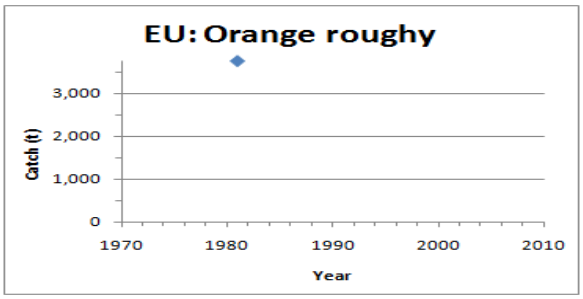
X Data not displayed as catch totals are for less than 3 vessels and data are not already public

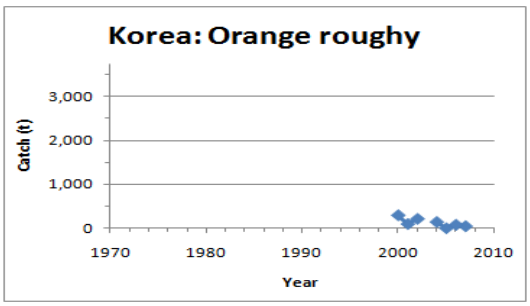
Figure 6.1: Annual Catch Data for Orange Roughy

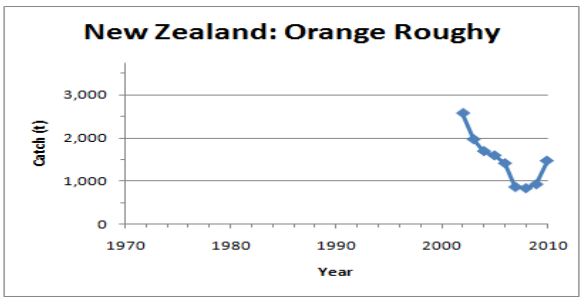


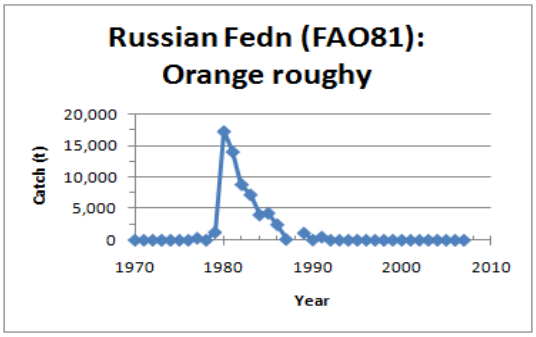




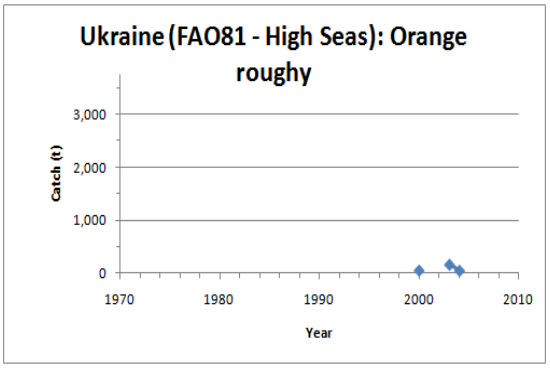


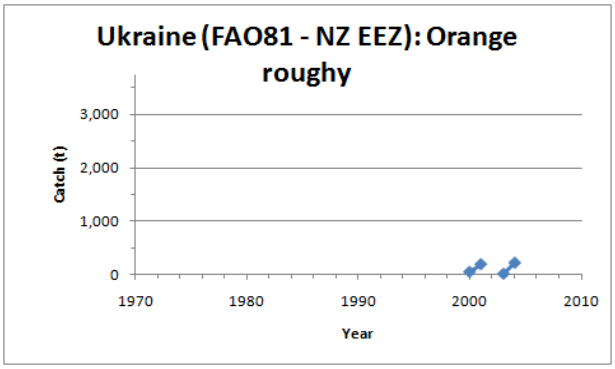






Note the different scale for the figure above





Finer Scale Orange Roughy Data Received

The following table details the finer scale orange roughy data received to date by the Interim Secretariat:

Table 6.2: Summary of Finer Scale Orange Roughy Data Received

PARTICIPANT	Finer Scale Catch/ Landing Data Provided for the Years Listed		
	5x5 Degree Square	1x1 Degree Square	Tow by Tow
Australia			2007
Belize	2003-2007		
New Zealand	2002-2010		

Boarfish Catch

Belize also provided 5x5 degree square data for boarfish for 2007.

7.0 Alfonsino Data Summary: Fish Taken Entirely or Partially within SPRFMO Area

Table 7.1: Annual Catch Data for Alfonsino (Part 1 of 2)

	Catch (t)			
	Australia	**Belize**	**Chile**	**EU**
Area	23.5-60S, 120-180E	FAO87 (5x5 squares)	Nazca Ridge	FAO87
Species				
2010	0			
2009	0			
2008	0			x
2007	86	61		x
2006	209	101		
2005	81	102	5	
2004	1	229		
2003	2	73	11	
2002	3	0	2	
2001	1	0	>0.5	
2000	4			
1999	8			
1998	1		144	
1997	1			
1996	0			
1995	0			
1994	0			
1993	0			
1992	0			
1991	0			
1990	0			
1989	0			
1988	0			
1987	0			
1986				
1985				
1984				
1983				
1982				
1981				
1980				
1979				
1978				
1977				
1976				
1975				

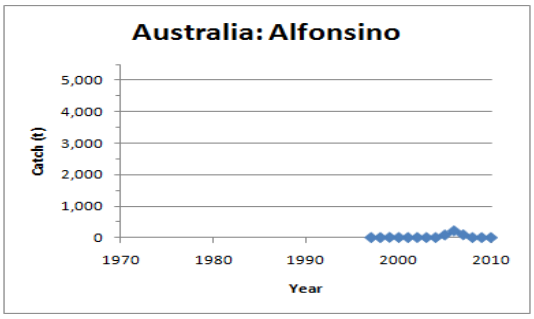
X Data not displayed as catch totals are for less than 3 vessels and data are not already public

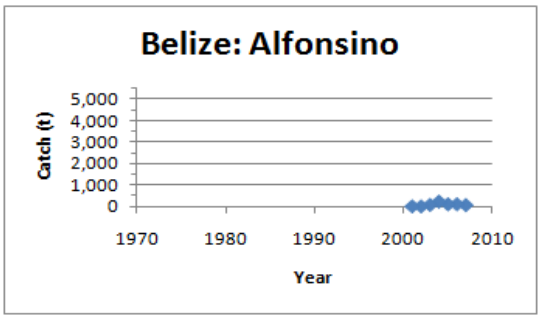
Table 7.1: Annual Catch Data for Alfonsino (Part 2 of 2)

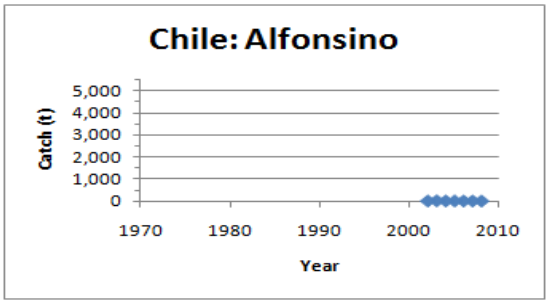
	New Zealand	Russian Federation	Russian Federation	Ukraine	Ukraine
Area	FAO81 (High Seas)	FAO81	FAO87	FAO81 (NZ EEZ)	FAO87
Species	Alfonsinos nei			Alfonsinos nei	Splendid alfonsino
2010	244				
2009	5				
2008	3				
2007	4	0	0		
2006	28	0	0		
2005	26	0	0		
2004	85	0	0		
2003	94	0	0	11	
2002	17	0	0		
2001		0	0	9	
2000		0	0		
1999		0	0		
1998		0	0		
1997		0	0		
1996		0	0		
1995		0	0		
1994		0	0		
1993		0	0		
1992		0	0		
1991		0	0		
1990		0	0		
1989		0	0		
1988		0	0		
1987		0	0		
1986		0	0		
1985		0	0		
1984		9	458		
1983		0	633		32
1982		0	620		
1981		0	676		198
1980		2,325	12	21	12
1979		5,323	907	4,804	
1978		1,783	0		
1977		3,491	0		
1976		0	0		
1975		0	0		

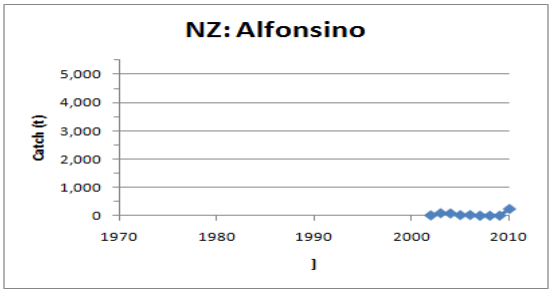
X Data not displayed as catch totals are for less than 3 vessels and data are not already public

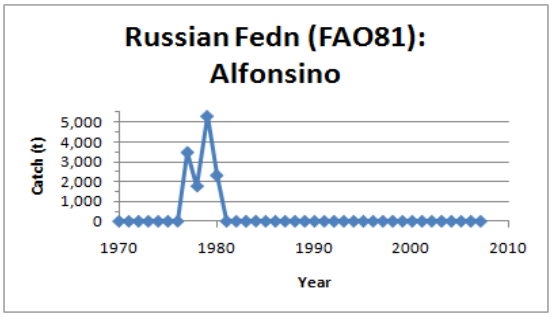
Figure 7.1: Annual Catch Data for Alfonsino

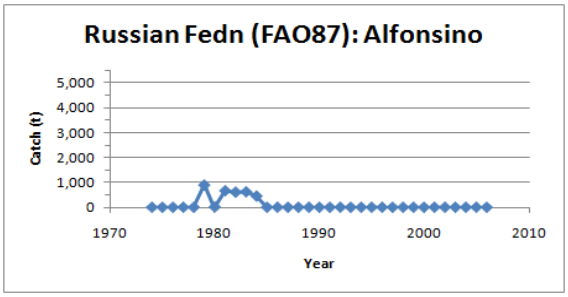


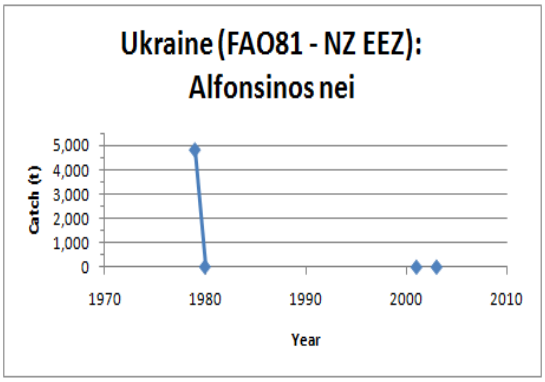


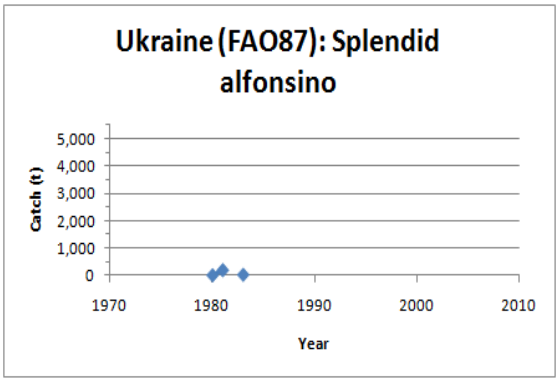












Finer Scale Alfonsino Data Received to Date

The following table details the finer scale alfonsino data received to date by the Interim Secretariat:

Table 7.2: Summary of More Detailed Alfonsino Data Received

PARTICIPANT	Finer Scale Catch/ Landing Data Provided for the Years Listed		
	5x5 Degree Square	1x1 Degree Square	Tow/ Set Data
Australia			2007-2010
Belize	2004-2007		
EU	2007		2008
New Zealand	2002-2010		

8.0 OTHER SPECIES Data Summary: Fish Taken Entirely or Partially within SPRFMO Area

This table summarises the catches of all other species that have been submitted to the Interim Secretariat to date, i.e. all species EXCEPT mackerels, squids, orange roughy and alfonsinos. These species/ species group catches are displayed under one of 2 different species/ group headers:

- They are listed under the appropriate FAO 3-alpha code (refer to section 1.3), or
- All remaining species/ groups annual catches are summed and listed in a grouped category labelled 'Other'. Therefore, 'Other' catch totals may potentially include both pelagic and demersal species annual catches.

Table 8.1: Annual Catch Data for Other Species (Part 1 of 4)

	Catch (t)						
	Australia	Australia	Australia	Australia	Australia	Belize	Belize
Fishery	Demersal Line	Demersal Line	Trawl	Trawl	Trawl	Demersal Trawl	Un-specified
Species	BWA	All Species other than BWA	CDL	ORD	Other Species (excluding ALF, CDL, ORD, ORY)	BOR	Grenadier
Area	FAO81	FAO81	FAO81	FAO81	FAO81	FAO87	FAO87
2010	6	100	0	0	0		
2009	4	102	0	0	0		
2008	3	174	0	0	0		
2007	16	32	2	1	16	28	
2006	8	51	0	0	75		
2005	4	5	0	75	14		
2004	2	16	0	34	1		525
2003	30	54	0	69	1		
2002	27	217	0	73	3		
2001	21	136	0	44	3		
2000	6	111	7	209	1		
1999	22	68	1	195	4		
1998	26	80	2	1040	3		
1997	6	3	15	953	41		
1996			26^	11^	1^		
1995			26^	11^	1^		
1994			2	6	3		
1993			0	36^	1.3^		
1992			0	36^	1.3^		
1991			0	36^	1.3^		
1990			0	0	2^		
1989			0	0	2^		
1988			0	0	2^		
1987			0	0	2^		
1986							
1985							
1984							
1983							
1982							
1981							
1980							
1979							
1978							
1977							
1976							
1975							
1974							
1973							
1972							
1971							
1970							

^ The total catches were reported grouped over a 2-4yr span, therefore the catch data are displayed in this table split equally between each of the grouped years

Table 8.1: Annual Catch Data for Other Species (Part 2 of 4)

	Catch (t)						
	China	EU	EU	EU	EU	EU	EU
Fishery	**Demersal**	**Gill Net**	**Gill Net**	**Gill Net**	**Gill Net**	**Pelagic**	**Pelagic**
Species	**Other**	**BWA**	**CEX**	**FIN, SCK**	**Other**	**BRA, CBA**	**Other** (includes hake, gurnard, anchovy, redfish, SA pilchards & 'other')
Area	**Un-specified**	**FAO81**	**FAO81**	**FAO81**	**FAO81**	**FAO87**	**Un- specified** (post 2000)**; FAO 71, 77, 81, 87** (for 1998 & prior)
2010		0	17	292	5		
2009		3	334	2,277	295	478	357
2008			17	916	12		20,824
2007	73					13	
2006	312						
2005	162						
2004	304						
2003	314						
2002	147						
2001	60						
2000							
1999							
1998							657
1997							
1996							
1995							
1994							
1993							
1992							961
1991							1,639
1990							2,816
1989							5,073
1988							2,741
1987							2,592
1986							2,595
1985							2,543
1984							2,175
1983							1,298
1982							1,687
1981							36,113
1980							151,966
1979							122,182
1978							61,361
1977							62,843
1976							51,432
1975							64,438
1974							64,813
1973							36,504
1972							3,915
1971							
1970							

Table 8.1: Annual Catch Data for Other Species (Part 3 of 4)

	Catch (t)					
	Korea	NZ	NZ	NZ	NZ	NZ
Fishery	**Trawl**	**Trawl and Line**	**Trawl and Line**	**Trawl and Line**	**Bottom Trawl**	**Trawl and Line**
Species	**Other** (includes smooth + spiky oreo, alfonsino, cardinal fishes & others)	**BWA**	**CDL**	**CEX**	**ORD**	**HAU**
Area	**FAO81**	**FAO81**	**FAO81**	**FAO81**	**FAO81**	**FAO81**
2010		39	22	2	31	24
2009		58	16	0	5.5	21
2008		67	1	0	1	43
2007		144	0	1	175	32
2006	13	277	21	2	69	92
2005	222	102	189	1	381	25
2004	6	131	42	1	197	14
2003	23	23	226	1	135	4
2002	17	2	159	3	192	0
2001	8					
2000						
1999						
1998						
1997						
1996						
1995						
1994						
1993						
1992						
1991						
1990						
1989						
1988						
1987						
1986						
1985						
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1983						
1982						
1981						
1980						
1979						
1978						
1977						
1976						
1975						
1974						
1973						
1972						
1971						
1970						

Table 8.1: Annual Catch Data for Other Species (Part 4 of 4)

	Catch (t)				
	Russian Fedn	Russian Fedn	Russian Fedn	Ukraine	Ukraine
Fishery	Un- specified (Pelagic + demersal)	Demersal	Un- specified (Pelagic + demersal)	Demersal	Demersal + Pelagic
Species	Other	BOR	Other	BOR, ZEX	Other
Area	FAO81	FAO87	FAO87	FAO87	FAO87
2010					
2009					
2008					
2007	0		0		
2006	0		0		
2005	0		0		
2004	0		0		
2003	0		0		
2002	0		0		
2001	0		0		
2000	0		0		
1999	1,757		0		
1998	216		0		
1997	5,332		0		
1996	6,463		55		
1995	9,336		115		
1994	29,103		100		
1993	23,488		130		
1992	51,156		27		51
1991	116,266		66,494		395
1990	108,604		192,375		780
1989	59,508		165,041		596
1988	30,587		304,941		35
1987	43,234		382,621		0
1986	46,533		449,372		59
1985	41,912		452,631		321
1984	23,500		375,138		546
1983	40,134		182,914		67
1982	27,386		202,807		19,044
1981	10,595	31	62,060	49	2,964
1980	33,829		61,142		793
1979	45,631		44,000		680
1978	36,310		3,026		1,533
1977	76,635		0		
1976	78,020		0		
1975	81,107		0		
1974	102,509		0		
1973	78,208		39,217		
1972	61,012		28,100		
1971	10,422		0		
1970	0		0		

APPENDIX 1: Summary of Data Received by the Interim Secretariat

Tables 1a – 1d provide a summary of the catch/landing, observer and VMS data provided to the Interim Secretariat by participant for the years 2007 - 2010. This summary represents a 'stocktake' of the data received, and does not necessarily reflect the requirements of the 2007 Interim Measures, 2009 Revised Interim Measures, 2011 Interim Measures for Pelagic Fisheries, or all of the specific requirements of the Data Standards.

Explanatory Note

Please note the following explanation regarding "Aggregated annual catch" as it appears in these two tables.

Aggregated Annual Catch

No - indicates that no separate estimate of annual catch/landing by species was provided (e.g. based on landing rather than estimated catch information), however finer scale data such as tow by tow/ set by set / 1°x1° square or 5°x5° data may have been summed to give an annual catch estimate

Yes - indicates that a separate estimate of annual catch/landing by species was provided and this estimate was not derived directly by the summing of finer scale estimated catch data
- for example this annual figure may have been derived from landings (as opposed to estimated catch at sea) data, or may have included catch for which there is only broad positional information available, e.g. it is known that the catch was taken in the High Seas, but no latitudinal and longitudinal information is available.

Key to Table 1

ALL - All species mix	HKN - Southern hake (Merluccius australis)
ALF - Alfonsinos	JAX - Jack and horse mackerels (*Trachurus* species)
BOE - Black oreo (*Allocyttus niger*)	LHI - Trumpet emperor (*Lethrinus miniatus*)
BOR - Boarfishes nei	MAC - Atlantic mackerel (*Scomber scombrus*)
BUP - Pacific rudderfish (*Psenopsis anomala*)	MAS - Chub mackerel (*Scomber japonicus*)
BWA - Bluenose warehou/ Blue eye trevalla (*Hyperoglyphe antarctica*)	MOW - Morwongs (*Nemadactylus* species)
BXD - Alfonsino (*Beryx decadactylus*)	ONV - Spiky oreo (*Neocyttus rhomboidalis*)
BYS - Splendid alfonsino (*Beryx splendens*)	ORY - Orange roughy (*Hoplostethus atlanticus*)
CDL - Cardinal fishes nei (*Epigonus* species)	PFM - Crimson jobfish (*Pristipomoides filamentosus*)
CJM - Chilean jack mackerel (*Trachurus murphyi*)	RIB - Common mora (*Mora moro*)
CUS - Pink cusk-eel (*Genypterus blacodes*)	SCK - Kitefin shark (*Dalatias licha*)
EMT - Bonnetmouths, rubyfishes nei	SSO - Smooth oreo dory (*Pseudocyttus maculatus*)
EPI - Black cardinal fish (*Epigonus telescopus*)	SWH - Giant boarfish (*Paristiopterus labiosus*)
FIN - Finfishes nei	YTC - Yellowtail kingfish/ amberjack (*Seriola lalandi*)
GIS - Jumbo flying squid (*Dosidicus gigas*)	
GGD - Shore rockling (*Gaidropsarus mediterraneus*)	EEZ - Exclusive Economic Zone
GMQ - Japanese large-eye bream (*Gymnocranius euanus*)	HS - High Seas
HAU - Hapuka (*Polyprion* species)	

Table 1a: Summary of Catch/ Landing Data/ Observer/ VMS Received for 2007 (Part 1 of 2)

PARTICIPANT		2007 CATCH/ LANDING/ Observer/ VMS DATA		
		Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Australia		Tow by tow/ set by set data (Bottom longline, dropline fisheries)	Yes	ALL
		Tow by tow/ set by set data (trawl fisheries)	Yes	ALL (Includes BXD and ORY)
		Aggregated annual catch (EEZ)	Yes	JAX (EEZ)
		Aggregated annual catch (HS)	Yes	ALF, BWA, CDL, MOW, ONV, ORY, SSO, YTC
		Observer	Yes (trawl)	ALL (Includes BXD, ORY; no lfs, no bios)
		VMS	No	
Belize		Tow by tow/ set by set data	No	
		1x1 degree square catch	Yes (by vessel/day/month)	JAX, Mackerel (species not specified)
		5x5 degree square catch data	Yes (by vessel)	ALF, BOR, ORY
		Aggregated annual catch	Yes	JAX, Mackerel (species not specified)
		Observer	No	
		VMS	Yes	
Chile		Tow by tow/ set by set data	No	
		1x1 degree square catch data (HS + EEZ)	Yes	CJM (HS + EEZ), MAS (HS + EEZ), GIS (HS + EEZ)
		Aggregated annual catch (HS + EEZ)	Yes	CJM (HS + EEZ), MAS (HS + EEZ), GIS (HS + EEZ)
		Observer	No	
		VMS	Yes (single position per vessel)	
China		Tow by tow/ set by set data	No	
		5x5 degree square catch	Yes	CJM, GIS
		Aggregated annual catch	Yes	CJM
		Observer	No	
		VMS	No	Received confirmation vessels have VMS capability
Cook Islands		Tow by tow/ set by set data	Yes	JAX
		1x1 degree square catch data	No	
		Aggregated annual catch	Yes	JAX
		Observer	No	
		VMS	Yes	
Ecuador		Aggregated annual catch (EEZ)	Yes	CJM (EEZ)
		Observer	No	
		VMS	No	
European Union	Pelagic	Tow by tow/ set by set data	No	
		5x5 degree square catch data	Yes (by vessel)	ALF, CBA, CJM, MAS
		Aggregated annual catch	No	
		Observer	No	
		VMS	Yes (as vessel tracks)	

Table 1a: Summary of Catch/ Landing Data/ Observer/ VMS Received for 2007 (Part 2 of 2)

PARTICIPANT	2007 CATCH/ LANDING/ Observer/ VMS DATA		
	Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Faroe Islands	Tow by tow/ set by set data	No	
	5x5 degree square catch data	No	
	Aggregated annual catch	Yes^	CJM
	Observer	No	
	VMS	Yes	
Korea	Tow by tow/ set by set data	Yes	CJM, MAS
	Aggregated annual catch	Yes	CJM, GIS, MAS, ORY
	Observer	No	
	VMS	Yes	
New Zealand	Tow by tow/ set by set data	No - Can be provided as soon as the SPRFMO database is available to accept these data	ALL
	5x5 degree square catch data	Yes	
	Aggregated annual catch (EEZ)	Yes	*Trachurus* species - CJM, HUG, TUZ
	Aggregated annual catch (HS)	No (can be summed from 5x5 data)	
	Observer	No	
	VMS	No	
Peru	Aggregated annual catch (EEZ)	Yes	CJM (EEZ), MAS (EEZ), GIS (EEZ)
	Observer	No (not fishing in High Seas)	
	VMS	No (not fishing in High Seas)	
Russian Federation	NOT FISHING IN 2007		
Ukraine	Aggregated annual catch (NZ EEZ)	Yes	JAX (NZ EEZ)
	Observer	No	
	VMS	No	
Vanuatu	Catch by vessel by day	Yes	CJM/ MAS mix
	Aggregated annual catch	Yes (by vessel)	CJM, MAS
	Observer	No	CJM - Size composition data provided 2003 - 2006
	VMS	Yes	
Chinese Taipei	Tow by tow/ set by set data	No	
	5x5 degree square catch data	Yes	GIS
	Aggregated annual catch	No (summed from 5x5 data)	
	Observer	No	
	VMS	No	

^ Total includes small quantities of *Scomber japonicus*

Table 1b Summary of Catch/ Landing Data/ Observer/ VMS Received for 2008 (Part 1 of 2)

PARTICIPANT		2008 CATCH/ LANDING/ Observer/ VMS DATA		
		Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Australia		Tow by tow/ set by set data (Bottom longline and dropline fisheries)	Yes	ALL
		Aggregated annual catch	Yes	BWA, MOW, YTC
		Observer	Yes (demersal longline)	ALL (lfs for GMQ, LHI, PFM, ZRO; no bios)
		VMS	No	
Belize		Tow by tow/ set by set data	No	
		5x5 degree square catch data	Yes (by month and vessel)	CJM, MAS
		Aggregated annual catch	No	
		Observer	No	
		VMS	No	
Chile		Tow by tow/ set by set data	No	
		1x1 degree square catch data (HS + EEZ)	Yes	CJM (HS + EEZ), MAS (HS + EEZ), GIS (HS + EEZ)
		Aggregated annual catch (HS + EEZ)	Yes	CJM (HS + EEZ), MAS (HS + EEZ), GIS (HS + EEZ)
		Observer	No	
		VMS	No	
China		Tow by tow/ set by set data	No	
		1x1 degree square catch	Yes	CJM
		5x5 degree square catch data	Yes	GIS
		Aggregated annual catch	Yes	CJM
		Observer	Yes	
		VMS	No (a list of vessels which have VMS)	
Cook Islands		Tow by tow/ set by set data	Nil	
		Aggregated annual catch	Nil	
		VMS	Nil	
Ecuador		Aggregated annual catch (EEZ)	Nil	CJM (EEZ)
		Observer	Nil	
		VMS	Nil	
European Union	Pelagic	Tow by tow/ set by set data	Yes	ALF, CJM, MAS
		Aggregated annual catch	Yes	ALF, CJM, MAS
		Observer	Yes (non-standard format)	CJM (bios only)
		VMS	No	
	Fixed gill net	Tow by tow/ set by set data	Yes (Dec 2008)	BUP, CUS, FIN, GGD, HKN, SCK
		Aggregated	Yes (Dec 2008)	BUP, CUS, FIN, GGD, HKN, SCK
		Observer	Yes (not in standard template format)	ALL (Dec 2008)
		VMS	Yes (as vessel tracks)	

Table 1b: Summary of Catch/ Landing Data/ Observer/ VMS Received for 2008 (Part 2 of 2)

PARTICIPANT	2008 CATCH/ LANDING/ Observer/ VMS DATA		
	Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Faroe Islands	Tow by tow/ set by set data	Yes	CJM, MAS
	Aggregated annual catch	Yes	CJM, MAS
	Observer	No	
	VMS	No	
Korea	Tow by tow/ set by set data	Yes (by vessel)	CJM, MAS
	Aggregated annual catch	No for CJM, MAS; Yes for GIS	GIS
	Observer	Yes	CJM, MAS
	VMS	No	
New Zealand	Tow by tow/ set by set data	Can be provided as soon as the SPRFMO database is available to accept these data	
	5x5 degree square catch data	Yes	ALL
	Aggregated annual catch (EEZ)	Yes	*Trachurus* species - CJM, HUG, TUZ
	Aggregated annual catch (HS)	No (can be summed from 5x5 data)	
	Observer (trawl)	Yes - including Observer Implementation report	ALF, EPI, ORY, RIB, SSO (includes summary lf and bio info)
	VMS	No	
Peru	Aggregated annual catch (EEZ)	Yes	CJM (EEZ), MAS (EEZ), GIS (EEZ)
	Observer	No (not fishing in High Seas)	
	VMS	No (not fishing in High Seas)	
Russian Federation	Tow by tow/ set by set data	Yes	
	Aggregated annual catch	Yes (by vessel)	
	Observer	No	
	VMS	No	
Vanuatu	Tow by tow/ set by set data	Yes	CJM, MAS
	Aggregated annual catch	Yes (by vessel)	CJM, MAS
	Observer	No	CJM - Size composition data provided
	VMS	No	
Chinese Taipei	Tow by tow/ set by set data	No	
	5x5 degree square catch data	Yes	GIS
	Aggregated annual catch	No (summed from 5x5 data)	
	Observer	No	
	VMS	No	

Table 1c: Summary of Catch/ Landing Data/ Observer/ VMS Received for 2009 (Part 1 of 2)

PARTICIPANT		2009 CATCH/ LANDING/ Observer/ VMS DATA		
		Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Australia		Tow/set (bottom longline & dropline)	Yes	ALL (includes BYS)
		Tow/set (trawl)	Yes - nil return	
		Aggregated annual catch	Yes	BWA, MOW, YTC
		Observer (bottom longline & dropline)	Yes	ALL
		Observer (trawl)	Yes - nil return	
		VMS	No	
Belize		Tow by tow/ set by set data	No	
		5x5 degree square catch data	Yes	CJM, MAS
		Aggregated annual catch	Derived from 5x5 only	
		Observer	No	
		VMS	Yes	
Chile		Tow by tow/ set by set data	No	
		1x1 degree square catch data	Yes	CJM (HS + EEZ), MAS (HS + EEZ), GIS (HS + EEZ)
		Aggregated annual catch	Yes	CJM (HS + EEZ), MAS (HS + EEZ), GIS (EEZ)
		Observer	Yes (lfs & biology incl wgt & sex freqs and maturity stages - but not in template format)	CJM, MAS
		VMS	No	
China		Tow by tow/ set by set data	Yes (all vessels)	CJM
		Aggregated annual catch	Yes	CJM, GIS
		Observer	Yes	CJM
		VMS	Yes (all vessels)	
Cook Islands		Tow by tow/ set by set data	Nil	
		Aggregated annual catch	Nil	
		VMS	Nil	
Ecuador		Aggregated annual catch (EEZ)	Yes	CJM (EEZ)
		Observer	No	
		VMS	No	
European Union	Pelagic	Tow by tow/ set by set data	Yes (all vessels)	BRU, CJM, MAS
		Aggregated annual catch	Yes	BRU, CJM, MAS
		Observer	Yes (in standard template format)	BRU, CJM, MAS
		VMS	Yes (as vessel tracks)	
	Fixed gill net	Tow by tow/ set by set data	Yes	ALL
		Aggregated annual catch	Yes (by vessel, month and species)	ALL
		Observer	Yes (not in standard template format: Jan - Mar 09) plus scientific reports	ALL
		VMS	Yes (as vessel tracks)	

Table 1c: Summary of Catch/ Landing Data/ Observer/ VMS Received for 2009 (Part 2 of 2)

PARTICIPANT	2009 CATCH/ LANDING/ Observer/ VMS DATA		
	Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Faroe Islands	Tow by tow/ set by set data	Yes (preliminary)	CJM, MAS
	Aggregated annual catch	Yes	CJM, MAS
	Observer	No	
	VMS	No	
Korea	Tow by tow/ set by set data	Yes	CJM, EMT, MAS
	Aggregated annual catch	Yes - GIS; No - for species othe than GIS - annual totals can be summed from tow data	GIS
	Observer	No observers in 2009	
	VMS	No	
New Zealand	Tow by tow/ set by set data	Can be provided as soon as the SPRFMO database is available to accept these data	
	5x5 degree square catch data	Yes	ALL
	Aggregated annual catch (EEZ)	Yes	*Trachurus* species - CJM, HUG, TUZ
	Aggregated annual catch (HS)	No (can be summed from 5x5 data)	
	Observer	Yes	ALF, EPI, ORY, RIB
	VMS	No	
Peru	Tow by tow/ set by set data	No	
	5x5 degree square catch data	No	
	Aggregated annual catch	Yes (landing data by vessel)	Total catch (kg) provided; (target species = *Trachurus* species)
	Observer	No	Submitted l:wgt relationship, CPUE, acoustic biomass for ASST
	VMS	No	
Russian Federation	Tow by tow/ set by set data	Yes (for 5 of 6 vessels)	BRA, CJM, MAS
	Aggregated annual catch	No (an aggragate total for Dec 2009 was provided for CJM)	
	Observer	No	
	VMS	Yes (1 vessel for December 2009)	
Vanuatu	Tow by tow/ set by set data	Yes	CJM, MAS
	Aggregated annual catch	Yes	CJM, MAS
	Observer	No - commercial size composition collected from on board factory	
	VMS	Yes (as vessel tracks)	
Chinese Taipei	Tow by tow/ set by set data	No	
	5x5 degree square catch data	Yes	GIS
	Aggregated annual catch	No (summed from 5x5 data)	
	Observer	No	
	VMS	No	

Table 1d: Summary of Catch/ Landing Data/ Observer/ VMS Received for 2010 (Part 1 of 2)

PARTICIPANT		2010 CATCH/ LANDING/ Observer/ VMS DATA		
		Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Australia		Tow/set (bottom longline & dropline)	Yes	ALL (includes BYS)
		Tow/set (trawl)	Nil	
		Aggregated annual catch	Yes	BWA, MOW, YTC
		Observer (bottom longline & dropline)	No	
		VMS	No	
		Landings (bottom longline & dropline)	Yes	ALL
Belize		Tow by tow/ set by set data	No	
		Aggregated by day & position	Yes	CJM, MAS
		Aggregated annual catch	No[1]	CJM, MAS
		Observer	No	
		VMS	No	
Chile		Trip by trip purse seine data (HS)	Yes	CJM, MAS
		Aggregated annual catch	Yes (EEZ catch reported by 'Chilean EEZ fishing zone' area)	CJM (HS + EEZ), GIS (EEZ), MAS (HS + EEZ)
		Observer	Yes	
		VMS	No	
		Landings (HS)	Yes	CJM, MAS
China		Tow by tow/ set by set data	Yes	CJM
		Aggregated annual catch	CJM - No[1]; GIS - Yes	GIS
		Observer	No	
		VMS	No	
Cook Islands		Tow by tow/ set by set data	Nil	
		Aggregated annual catch	Nil	
		VMS	Nil	
Ecuador		Aggregated annual catch (EEZ)	Yes	CJM (EEZ)
		Observer	No	
		VMS	No	
European Union	Pelagic	Tow by tow/ set by set data	Yes	BRU, CJM, MAS
		Aggregated annual catch	Yes	CJM, MAS
		Observer	Yes	BRU, CJM, MAS
		VMS	No	
		Landings (1 landing event for 1 vessel)	Yes	BRU, CJM
	Fixed gill net	Tow by tow/ set by set data	Yes - fishing occurred in January 2010 only	ALL
		Aggregated annual catch	Yes (by vessel, month and species)	ALL
		Observer	Yes	ALL
		VMS	No	

[1] For CJM, the aggregated annual catch (2010) provided was the same or virtually the same as the sum of daily catch/tow by tow catches for 2010

Table 1d: Summary of Catch/ Landing Data/ Observer/ VMS Received for 2010 (Part 2 of 2)

PARTICIPANT	2010 CATCH/ LANDING/ Observer/ VMS DATA		
	Type of data	Data Provided?	Species/Fishery/ies for which Data Provided
Faroe Islands	Tow by tow/ set by set data	Yes	CJM - not in template format
	Aggregated annual catch	Yes	CJM, MAS
	Observer	No	
	VMS	No	
Japan	Trip data	Yes	GIS (squid jigging)
	Aggregated annual catch	Yes	GIS (squid jigging)
	Observer	No	
	VMS	No	
Korea	Tow by tow/ set by set data	Yes	CJM, MAS
	Aggregated annual catch	CJM, MAS - No[1]; GIS - Yes	GIS
	Observer	No	
	VMS	No	
New Zealand	Tow by tow/ set by set data	Can be provided as soon as the SPRFMO database is available to accept these data	
	5x5 degree square catch data	Yes	ALL
	Aggregated annual catch (EEZ)	Yes	*Trachurus* species - CJM, HUG, TUZ
	Aggregated annual catch (HS)	No, but can be summed from 5x5 catch	
	Observer	Yes	ALF, BOE, BWA, EPI, HAU, ONV, ORY, RIB, SSO, SWH
	VMS	No	
Peru	Tow by tow/ set by set data	No	
	5x5 degree square catch data	No	
	Aggregated annual catch	No	CJM
	Observer	No	
	VMS	No	
Russian Federation	Tow by tow/ set by set data	No	
	Aggregated annual catch	Yes	CJM
	Observer	No	
	VMS	Yes	
Vanuatu	Tow by tow/ set by set data	Yes	CJM, MAS
	Aggregated annual catch	Yes	CJM, MAS
	Observer	No	
	VMS	No	
Chinese Taipei	Tow by tow/ set by set data	No	
	5x5 degree square catch data	Yes	GIS (squid jigging)
	Aggregated annual catch	Yes	GIS (squid jigging)
	Observer	No	
	VMS	No	

[1] For CJM, the aggregated annual catch (2010) provided was the same or virtually the same as the sum of daily catch/ tow by tow catches for 2010

APPENDIX 2: Summary of Bottom Footprint Data Received by the Interim Secretariat

The Interim Benthic Assessment Framework adopted at the 4th Meeting in September 2007, noted that a 'joint trawl footprint' map should be expressed as grid blocks of 20 minute resolution, with a 'fished' block being defined as any grid block partially crossed by at least one trawl track. The period 2002 to 2006 should be used as the reference period for developing this joint trawl footprint map.

Therefore, participants that bottom trawled within the proposed SPRFMO area between 2002 and 2006, should have submitted data to generate the joint trawl footprint map.

Table 2 provides a summary of the bottom footprint data provided to the Interim Secretariat to date.

Table 2: Summary of Bottom Footprint Data Received by the Interim Secretariat

Participant	Time Period	Footprint Type	Resolution
Australia	2002-2006	Bottom Trawl and Demersal Lining Combined	20 x 20 minute block
Chile	2002-2006	Bottom Trawl	20 x 20 minute block
Korea	2001, 2002-2006, 2007	Bottom Trawl	20 x 20 minute block
New Zealand	2002-2006	i) Bottom Trawl only*, plus ii) Demersal Lining only	20 x 20 minute block

* Note that the New Zealand trawl footprint map includes information from New Zealand and foreign-flagged vessels that submitted information on NZ High Seas Trawl Catch and Effort returns