

GEAR	FLAG	YEAR	ANNUAL CATCH ESTIMATE	AGGREGATE DATA			OPERATIONAL DATA	LENGTH DATA							
				AREA	TIME	Catch Recs	Catch Recs	AREA	TIME	Size intv.	Samples	AREA	TIME	Samples	
S	AU	1975	1,900												
S	AU	1978	113												
S	AU	1980	17												
S	AU	1981	244												
S	AU	1982	31												
S	AU	1983	114												
S	AU	1984	56												
S	AU	1988	101	1x1	MON	5	5								
S	AU	1989	746	1x1	MON	3	8								
S	AU	1990	3,664	1x1	MON	111	141								
S	AU	1991	5,830	1x1	MON	101	154								
S	AU	1992	6,595	1x1	MON	20	23								
S	AU	1993	5,166	1x1	MON	33	71								
S	AU	1994	3,219	1x1	MON	9	94								
S	AU	1995	4,086	1x1	MON	9	45								
S	AU	1996	1,981	1x1	MON	17	130								
S	AU	1997	4,204	1x1	MON	23	219								
S	AU	1998	1,014	1x1	MON	18	46								
S	AU	1999	4,164	1x1	MON	24	229								
S	AU	2000	3,955	1x1	MON	40	340								
S	AU	2001	492	1x1	MON	8	25								
S	AU	2002	45	1x1	MON	4	9								
S	AU	2003	541	1x1	MON	5	27								
S	AU	2004	165	1x1	MON	3	14								
S	AU	2006		1x1	MON	1	4								
S	CN	2001	2,750	1x1	MON	11									
S	CN	2002	7,713	5x5	MON	151		5x5	MON	1	2,738				
S	CN	2003	20,284	5x5	MON	358				1		10x20	MON	89	
S	CN	2004	20,104	5x5	MON	253				1		10x20	MON	112	
S	CN	2005	38,928	5x5	MON	622		5x5	MON	1	3,357	10x20	MON	102	
S	CN	2006	47,776	5x5	MON	313		5x5	MON	1	1,567	10x20	MON	1,816	
S	CN	2007	48,745	5x5	MON	618		5x5	MON	1	3,120	10x20	MON	596	
S	CN	2008	43,406	5x5	MON	298		5x5	MON	1	1,176	10x20	MON	486	
S	CN	2009	67,635	5x5	MON	513		5x5	MON	1	4,585				
S	CN	2010	42,255	5x5	MON	614		5x5	MON	1	7,992				
S	EC	2000	2,249												
S	EC	2001	532												
S	EC	2002	274												
S	EC	2003	667												
S	EC	2004	1,702												
S	EC	2005	3,270												
S	EC	2006	6,152												
S	EC	2007	6,222	1x1	MON	67									
S	EC	2008	17,675	1x1	MON	127									
S	EC	2009	3,136	1x1	MON	77									
S	EC	2010	5,846	5x5	MON	13		5x5	MON	1	66				
S	ES	1998		1x1	MON	29	32								
S	ES	1999	5,670	1x1	MON	61	76								
S	ES	2000	6,427	1x1	MON	140	184								
S	ES	2001	1,201	1x1	MON	17									
S	ES	2002		1x1	MON	30									
S	ES	2003		1x1	MON	43									
S	ES	2004	3,479	1x1	MON	70	13								
S	ES	2005	2,293	1x1	MON	43	18								
S	ES	2006	8,347	1x1	MON	93									
S	ES	2007	15,354	1x1	MON	192	28								
S	ES	2008	25,553	5x5	MON	315	70	5x5	MON	1	2,882				
S	ES	2009	19,677	1x1	MON	246	65								
S	ES	2010	20,517	5x5	MON	287	99	5x5	MON	1	4,757				
S	FM	1991	8,448	1x1	MON	34	16								
S	FM	1992	11,657	1x1	MON	211	300								
S	FM	1993	11,866	5x5	MON	274	433	5x5	MON	1	998	10x20	MON	191	
S	FM	1994	15,930	5x5	MON	301	588	5x5	MON	1	1,791	10x20	MON	16	
S	FM	1995	4,598	5x5	MON	108	194	5x5	MON	1	749				
S	FM	1996	6,280	5x5	MON	140	236	5x5	MON	1	955				
S	FM	1997	4,928	1x1	MON	194	224								
S	FM	1998	10,651	5x5	MON	255	299	5x5	MON	1	1,129				
S	FM	1999	7,016	5x5	MON	146	226	5x5	MON	1	779				
S	FM	2000	15,162	5x5	MON	275	401	5x5	MON	1	2,404				
S	FM	2001	10,689	5x5	MON	237	349	5x5	MON	1	2,078	10x20	MON	325	
S	FM	2002	14,574	5x5	MON	314	464	5x5	MON	1	3,689	10x20	MON	1,131	
S	FM	2003	24,054	5x5	MON	381	606	5x5	MON	1	3,540				
S	FM	2004	23,640	5x5	MON	472	756	5x5	MON	1	8,473	10x20	MON	1,129	
S	FM	2005	23,611	5x5	MON	427	639	5x5	MON	1	6,735	10x20	MON	150	

S	FM	2006	9,215	5x5	MON	190	285	5x5	MON	1	3,840	10x20	MON	200
S	FM	2007	11,853	5x5	MON	222	335	5x5	MON	1	4,325			
S	FM	2008	15,933	5x5	MON	318	468	5x5	MON	1	7,377			
S	FM	2009	16,784	5x5	MON	429	705	5x5	MON	1	8,236	10x20	MON	1,304
S	FM	2010	19,395	5x5	MON	347	502	5x5	MON	1	11,451			
S	ID	1980	5,514											
S	ID	1981	5,847											
S	ID	1982	6,199											
S	ID	1983	8,017											
S	ID	1984	9,152											
S	ID	1985	10,187											
S	ID	1986	14,434	5x5	MON	3,288	67			2		5x10	MON	4,739
S	ID	1987	18,509	5x5	MON	3,639	115			1		5x10	MON	3,879
S	ID	1988	18,873	1x1	MON	3,358	112							
S	ID	1989	17,872	1x1	MON	3,354	78							
S	ID	1990	7,994	1x1	MON	3,566	19							
S	ID	1991	16,709											
S	ID	1992	26,036											
S	ID	1993	30,132											
S	ID	1994	38,990											
S	ID	1995	46,758											
S	ID	1996	58,166											
S	ID	1997	63,654											
S	ID	1998	95,657											
S	ID	1999	114,038											
S	ID	2000	87,730											
S	ID	2001	83,095											
S	ID	2002	87,267											
S	ID	2003	90,402											
S	ID	2004	113,991											
S	ID	2005	118,033											
S	ID	2006	154,233											
S	ID	2007	138,341											
S	ID	2008	144,118											
S	ID	2009	161,223											
S	ID	2010	179,826	5x5	MON	5,385	73			1		5x10	MON	59,518
S	JP	1960	3,728											
S	JP	1961	11,693											
S	JP	1962	11,674											
S	JP	1963	9,592											
S	JP	1964	25,006											
S	JP	1965	4,657											
S	JP	1966	10,949											
S	JP	1967	10,931	1x1	MON	2								
S	JP	1968	7,587	1x1	MON	5								
S	JP	1969	5,057	1x1	MON	5								
S	JP	1970	4,723	1x1	MON	28								
S	JP	1971	10,762	1x1	MON	228								
S	JP	1972	14,776	1x1	MON	207								
S	JP	1973	15,561	1x1	MON	345								
S	JP	1974	6,996	1x1	MON	299								
S	JP	1975	7,230	1x1	MON	403								
S	JP	1976	18,660	1x1	MON	505								
S	JP	1977	19,013	1x1	MON	539								
S	JP	1978	27,698	5x5	MON	649		5x5	MON	1	3,637			
S	JP	1979	28,963	1x1	MON	1,161								
S	JP	1980	49,665	1x1	MON	1,258								
S	JP	1981	45,647	1x1	MON	1,723								
S	JP	1982	75,938	1x1	MON	1,806								
S	JP	1983	117,747	1x1	MON	1,490								
S	JP	1984	132,701	1x1	MON	1,716								
S	JP	1985	122,378	1x1	MON	2,178								
S	JP	1986	135,362	1x1	MON	2,121								
S	JP	1987	118,403	1x1	MON	2,333								
S	JP	1988	191,396	1x1	MON	2,109								
S	JP	1989	125,656	1x1	MON	2,029								
S	JP	1990	143,128	1x1	MON	2,040								
S	JP	1991	154,824	1x1	MON	1,932								
S	JP	1992	141,650	5x5	MON	2,001		5x5	MON	2	1,074			
S	JP	1993	141,727	5x5	MON	1,816		5x5	MON	2	2,674			
S	JP	1994	164,286	5x5	MON	1,946		5x5	MON	2	3,553			
S	JP	1995	148,551	5x5	MON	1,644		5x5	MON	2	20,628			
S	JP	1996	156,939	5x5	MON	1,830		5x5	MON	2	26,004			
S	JP	1997	159,462	5x5	MON	2,009		5x5	MON	2	10,836			
S	JP	1998	232,675	5x5	MON	2,088		5x5	MON	2	17,688			
S	JP	1999	151,192	5x5	MON	2,934		5x5	MON	2	12,250			
S	JP	2000	172,323	5x5	MON	2,755		5x5	MON	2	18,194			
S	JP	2001	170,526	5x5	MON	2,087	2,849	5x5	MON	2	22,982			
S	JP	2002	189,595	5x5	MON	1,886	3,157	5x5	MON	2	25,406			
S	JP	2003	189,816	5x5	MON	1,944	3,389	5x5	MON	2	38,234			



S	NZ	1991	5,256	1x1	MON	96	180												
S	NZ	1992	985	1x1	MON	76	44												
S	NZ	1993	937	1x1	MON	52	28												
S	NZ	1994	3,088	1x1	MON	69	106												
S	NZ	1995	1,654	1x1	MON	78	50												
S	NZ	1996	3,492	1x1	MON	142	107												
S	NZ	1997	6,510	1x1	MON	127	129												
S	NZ	1998	8,118	1x1	MON	136	177												
S	NZ	1999	5,656	1x1	MON	224	150												
S	NZ	2000	12,759	1x1	MON	222	294												
S	NZ	2001	10,367	5x5	MON	244	279			1			10x20	MON					679
S	NZ	2002	27,699	1x1	MON	462	623												
S	NZ	2003	19,982	5x5	MON	434	605			1			10x20	MON					1,318
S	NZ	2004	24,348	1x1	MON	429	587												
S	NZ	2005	21,321	5x5	MON	468	564	5x5	MON	1		1,739	10x20	MON					3,163
S	NZ	2006	21,662	5x5	MON	417	661	5x5	MON	1		1,741							
S	NZ	2007	33,646	5x5	MON	388	571	5x5	MON	1		286	10x20	MON					248
S	NZ	2008	26,079	5x5	MON	361	642	5x5	MON	1		2,288							
S	NZ	2009	26,667	5x5	MON	377	615	5x5	MON	1		21,031	10x20	MON					6,441
S	NZ	2010	23,615	1x1	MON	382	536												
S	PG	1994	987	1x1	MON	57	23												
S	PG	1995	9,404	5x5	MON	245	176	5x5	MON	1		1,759							
S	PG	1996	9,341	5x5	MON	202	116	5x5	MON	1		376							
S	PG	1997	11,396	5x5	MON	285	606	5x5	MON	1		2,787							
S	PG	1998	36,356	5x5	MON	375	1,303	5x5	MON	1		6,255							
S	PG	1999	29,197	5x5	MON	529	1,162	5x5	MON	1		1,636							
S	PG	2000	53,123	5x5	MON	734	1,741	5x5	MON	1		5,956	10x20	MON					747
S	PG	2001	64,900	5x5	MON	982	2,553	5x5	MON	1		5,334	10x20	MON					2,223
S	PG	2002	91,671	5x5	MON	1,031	2,912	5x5	MON	1		29,027	10x20	MON					870
S	PG	2003	118,676	5x5	MON	1,383	3,369	5x5	MON	1		49,030	10x20	MON					2,372
S	PG	2004	192,099	5x5	MON	1,984	4,476	5x5	MON	1		79,044	10x20	MON					4,933
S	PG	2005	176,813	5x5	MON	2,109	5,239	5x5	MON	1		72,813	10x20	MON					795
S	PG	2006	184,087	5x5	MON	1,994	4,651	5x5	MON	1		98,637	10x20	MON					3,931
S	PG	2007	181,475	5x5	MON	1,931	4,550	5x5	MON	1		86,564	10x20	MON					2,581
S	PG	2008	146,954	5x5	MON	1,734	4,555	5x5	MON	1		64,012	10x20	MON					7,932
S	PG	2009	160,782	5x5	MON	1,933	5,344	5x5	MON	1		70,190	10x20	MON					10,017
S	PG	2010	149,780	5x5	MON	1,387	3,708	5x5	MON	1		13,398							
S	PH-DW	1982	766				56												
S	PH-DW	1984	775				106												
S	PH-DW	1985	9,148				234												
S	PH-DW	1986	6,989				55												
S	PH-DW	1987	12,035				463												
S	PH-DW	1988	8,356				609												
S	PH-DW	1989	16,668				1,276												
S	PH-DW	1990	16,466				1,238												
S	PH-DW	1991	17,529				1,180												
S	PH-DW	1992	25,888				1,292												
S	PH-DW	1993	20,225				629												
S	PH-DW	1994	14,742				149	5x5	MON	1		38							
S	PH-DW	1995	19,810				353	5x5	MON	1		100							
S	PH-DW	1996	24,767				537	5x5	MON	1		1,606							
S	PH-DW	1997	22,553				1,094	5x5	MON	1		5,632	10x20	MON					155
S	PH-DW	1998	32,071				1,094			1			10x20	MON					1,000
S	PH-DW	1999	24,533				1,133	5x5	MON	1		366	10x20	MON					150
S	PH-DW	2000	27,748				1,097	5x5	MON	1		967	10x20	MON					1,238
S	PH-DW	2001	15,458				979	5x5	MON	1		3,512	10x20	MON					2,040
S	PH-DW	2002	20,558				1,013	5x5	MON	1		13,872	10x20	MON					2,634
S	PH-DW	2003	24,859				802	5x5	MON	1		14,890							
S	PH-DW	2004	28,691	5x5	MON	643	1,309	5x5	MON	1		21,454							
S	PH-DW	2005	23,282	5x5	MON	431	808	5x5	MON	1		25,978							
S	PH-DW	2006	26,025	5x5	MON	526	1,024	5x5	MON	1		34,303							
S	PH-DW	2007	21,562	5x5	MON	497	832	5x5	MON	1		19,848							
S	PH-DW	2008	29,551	5x5	MON	829	1,170	5x5	MON	1		22,761							
S	PH-DW	2009	37,811	5x5	MON	659	1,127	5x5	MON	1		7,326							
S	PH-DW	2010	46,147	5x5	MON	886	1,727	5x5	MON	1		1,216							
S	PH-PH	1970	2,811																
S	PH-PH	1971	3,007																
S	PH-PH	1972	3,303																
S	PH-PH	1973	3,710																
S	PH-PH	1974	4,140																
S	PH-PH	1975	4,449																
S	PH-PH	1976	4,444																
S	PH-PH	1977	15,647																
S	PH-PH	1978	6,987																
S	PH-PH	1979	22,426																
S	PH-PH	1980	13,240							1			0	MON					1,216
S	PH-PH	1981	14,048							1			0	MON					1,419
S	PH-PH	1982	26,607							1			0	MON					1,883
S	PH-PH	1983	36,645							1			0	MON					1,332
S	PH-PH	1984	24,247							1			0	MON					1,537



S	TW	1986	34,400	1x1	MON	349														
S	TW	1987	44,720	1x1	MON	634														
S	TW	1988	66,880	1x1	MON	593														
S	TW	1989	84,800	1x1	MON	787														
S	TW	1990	104,960	1x1	MON	1,020														
S	TW	1991	140,800	1x1	MON	1,218														
S	TW	1992	169,400	1x1	MON	2,432														
S	TW	1993	109,324	5x5	MON	1,561		5x5	MON	1	1,505	10x20	MON						50	
S	TW	1994	134,736	5x5	MON	1,720		5x5	MON	1	2,964	10x20	MON							57
S	TW	1995	147,831	5x5	MON	1,782		5x5	MON	1	4,338	10x20	MON							100
S	TW	1996	161,407	5x5	MON	1,751		5x5	MON	1	15,852									
S	TW	1997	115,934	5x5	MON	2,187		5x5	MON	1	7,155	10x20	MON							369
S	TW	1998	193,728	5x5	MON	1,707		5x5	MON	1	30,629	10x20	MON							125
S	TW	1999	160,453	5x5	MON	2,148		5x5	MON	1	9,500									
S	TW	2000	194,499	5x5	MON	1,752		5x5	MON	1	7,831									
S	TW	2001	182,531	5x5	MON	1,600		5x5	MON	1	7,472	10x20	MON							3,650
S	TW	2002	229,415	5x5	MON	1,888		5x5	MON	1	7,971	10x20	MON							5,921
S	TW	2003	169,492	5x5	MON	1,532		5x5	MON	1	3,073	10x20	MON							7,765
S	TW	2004	181,524	5x5	MON	1,775		5x5	MON	1	13,411	10x20	MON							9,464
S	TW	2005	165,289	5x5	MON	1,648		5x5	MON	1	12,058	10x20	MON							1,684
S	TW	2006	189,392	5x5	MON	1,628		5x5	MON	1	11,864	10x20	MON							13,191
S	TW	2007	209,002	5x5	MON	1,946		5x5	MON	1	14,509	10x20	MON							6,549
S	TW	2008	165,007	5x5	MON	1,782		5x5	MON	1	12,758	10x20	MON							15,012
S	TW	2009	173,725	5x5	MON	1,808		5x5	MON	1	12,308	10x20	MON							8,606
S	TW	2010	166,211	5x5	MON	1,564		5x5	MON	1	28,426	10x20	MON							745
S	US	1976	500																	
S	US	1977	700																	
S	US	1978	800																	
S	US	1979	8,000																	
S	US	1980	9,900																	
S	US	1981	21,482	5x5	MON	471		5x5	MON	1	300									
S	US	1982	49,705	5x5	MON	951		5x5	MON	1	600									
S	US	1983	124,697	5x5	MON	1,241		5x5	MON	1	50									
S	US	1984	113,755	1x1	MON	1,356														
S	US	1985	83,763	1x1	MON	1,091														
S	US	1986	87,983	1x1	MON	669														
S	US	1987	77,575	5x5	MON	699				1		10x20	MON							325
S	US	1988	93,636	5x5	MON	735	1,660	5x5	MON	1	12,440	10x20	MON							4,480
S	US	1989	95,027	5x5	MON	764	2,476	5x5	MON	1	27,676	10x20	MON							9,053
S	US	1990	110,044	5x5	MON	865	2,666	5x5	MON	1	36,460	10x20	MON							6,229
S	US	1991	177,389	5x5	MON	849	4,344	5x5	MON	1	48,812	10x20	MON							6,723
S	US	1992	155,898	5x5	MON	1,066	3,814	5x5	MON	1	27,843	10x20	MON							5,328
S	US	1993	148,419	5x5	MON	1,183	3,768	5x5	MON	1	25,218	10x20	MON							4,935
S	US	1994	151,486	5x5	MON	1,105	3,798	5x5	MON	1	30,770	10x20	MON							5,594
S	US	1995	132,518	5x5	MON	844	3,109	5x5	MON	1	24,157	10x20	MON							4,511
S	US	1996	120,127	5x5	MON	1,543	3,825	5x5	MON	1	29,338	10x20	MON							8,133
S	US	1997	79,386	5x5	MON	1,446	3,050	5x5	MON	1	20,752	10x20	MON							3,600
S	US	1998	131,573	5x5	MON	1,541	3,157	5x5	MON	1	69,122	10x20	MON							3,225
S	US	1999	129,262	5x5	MON	1,474	3,067	5x5	MON	1	84,007	10x20	MON							2,668
S	US	2000	81,368	5x5	MON	1,371	2,679	5x5	MON	1	86,103	10x20	MON							375
S	US	2001	85,539	5x5	MON	1,152	2,440	5x5	MON	1	97,260									
S	US	2002	88,535	5x5	MON	1,105	2,712	5x5	MON	1	56,997									
S	US	2003	62,907	5x5	MON	939	1,881	5x5	MON	1	35,321	10x20	MON							1,113
S	US	2004	47,896	5x5	MON	1,087	2,000	5x5	MON	1	52,689	10x20	MON							1,664
S	US	2005	62,379	5x5	MON	872	1,547	5x5	MON	1	41,830	10x20	MON							2,850
S	US	2006	55,633	5x5	MON	823	1,414	5x5	MON	1	33,160	10x20	MON							366
S	US	2007	75,210	5x5	MON	926	1,460	5x5	MON	1	42,997	10x20	MON							2,524
S	US	2008	159,741	5x5	MON	2,005	3,697	5x5	MON	1	73,220	10x20	MON							11,596
S	US	2009	253,783	5x5	MON	2,556	5,618	5x5	MON	1	87,104	10x20	MON							25,109
S	US	2010	215,587	5x5	MON	1,822	3,878	5x5	MON	1	18,672	10x20	MON							1,132
S	VU	1994	735	1x1	MON	10	17													
S	VU	1995	5,508	5x5	MON	93	106	5x5	MON	1	614									
S	VU	1996	9,716	5x5	MON	186	245	5x5	MON	1	1,134									
S	VU	1997	17,582	5x5	MON	520	369	5x5	MON	1	1,688									
S	VU	1998	28,402	5x5	MON	599	545	5x5	MON	1	3,992									
S	VU	1999	35,738	5x5	MON	1,088	689	5x5	MON	1	70									
S	VU	2000	34,010	1x1	MON	829	577													
S	VU	2001	8,725	1x1	MON	84	109													
S	VU	2002	17,720	1x1	MON	160	217													
S	VU	2003	19,197	5x5	MON	186	295	5x5	MON	1	194	10x20	MON							6,727
S	VU	2004	48,243	5x5	MON	460	859	5x5	MON	1	5,905	10x20	MON							5,036
S	VU	2005	63,700	5x5	MON	580	1,022	5x5	MON	1	6,826	10x20	MON							2,856
S	VU	2006	55,050	5x5	MON	524	837	5x5	MON	1	7,192	10x20	MON							6,691
S	VU	2007	62,631	5x5	MON	635	1,330	5x5	MON	1	13,806	10x20	MON							1,347
S	VU	2008	30,512	5x5	MON	321	530	5x5	MON	1	3,941	10x20	MON							3,845
S	VU	2009	35,454	5x5	MON	335	568	5x5	MON	1	8,817	10x20	MON							3,848
S	VU	2010	21,031	5x5	MON	222	374	5x5	MON	1	5,115	10x20	MON							2,005