

DATA CATALOGUE
TUNA AND BILLFISH ASSESSMENT PROGRAMME

Revised JULY, 1989

Background

The Tuna and Billfish Assessment Programme was established in September 1981 after completion of the Skipjack Survey and Assessment Programme of the South Pacific Commission. The establishment of the Programme arose from the Twelfth Regional Technical Meeting on Fisheries (17-21 November 1980) which recommended the creation of a '.....regional fisheries statistics programme to obtain and analyse catch and effort and other scientific data as the base for the approved research programme on highly migratory species'.* Since the inception of the TBAP, the establishment and maintenance of the regional catch and effort database has been the highest priority of the Programme. Practical work on the statistical system began in January 1982 with the recruitment of the first fisheries statistician to the staff of the SPC.

Overview

This catalogue describes the major data holdings of the Tuna and Billfish Assessment Programme. The principal source of data are daily catch and effort logsheets supplied to SPC by member countries of the region. Other data held by the TBAP include (i) summarised statistics of catch and effort supplied by the DWFN countries of Japan, Korea, Taiwan and the American Tunaboat Association, (ii) information from the tagging project undertaken by the Skipjack Survey and Assessment Programme, (iii) various data on length frequency sampling, and (iv) unloading statistics and cannery receipt data from American Samoa, Fiji, Guam, Palau and the Northern Marianas. The data described are stored in hard copy form (logsheets, statistical bulletins on catch and effort and miscellaneous reports and papers) and electronic media (magnetic computer tape or floppy diskettes).

The catalogue is made up of tables on (i) catch and effort data, (ii) tagging data, and (iii) length frequency data, each describing the year, source of the data, the time and area stratification and some quantitative indicator of the amount of data in this category (electronic media only). Other information unique to each table (such as gear type used), is detailed to give a better picture of the data holdings. Key code reference tables are provided in the Appendices to explain the coding used throughout the catalogue.

* Report of Meeting. *Twelfth Regional Technical Meeting on Fisheries, 17-21 November 1980, Noumea, New Caledonia.* South Pacific Commission, Noumea, New Caledonia.

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TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Key to columns

Year	=	Year of fishing effort
Flag	=	Nationality of fishing vessels (refer to APPENDIX A)
Gear	=	Gear type of the fishing vessels (refer to APPENDIX C)
Source	=	Source providing the data (refer to APPENDIX H)
Units of Area	=	Area stratification (refer to APPENDIX D)
Units of Time	=	Time stratification (refer to APPENDIX E)
Units of Catch/Effort	=	Units of catch and effort (refer to APPENDIX G)
SPECIES COVERAGE	=	Fish species types covered (refer to APPENDIX B)
Media	=	Type of media the data are stored on (refer to APPENDIX F)
Number of Records	=	Number of records (in units of time stratification)

Comments

Under 'SPECIES COVERAGE', the 'OTH' species category includes data for (1) species not covered in the other principal species categories and (2) unknown species.

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
62	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,393
63	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,976
64	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,190
	PV	P	PU	X,D	F	Skj Yft Oth	B	412
65	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,866
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,414
66	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,101
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,366
67	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,198
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,400
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	133
68	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,974
		P	JB	1,M	E	Skj Bet Yft Oth	H	
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,532
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	382
69	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,753
		P	JB	1,M	E	Skj Bet Yft Oth	H	
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,196
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	179
70	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,026
		P	JB	1,M	E	Skj Bet Yft Oth	H	
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,623
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	337
71	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,389
		P	JB	1,M	E	Skj Bet Yft Oth	H	
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,640
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	545
72	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,156
		P	JB	1,M	E	Skj Bet Yft Oth	B	9,333
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,060
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	562
73	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,999
		P	JB	1,M	E	Skj Bet Yft Oth	B	9,512
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,162
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	487
74	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,106
		P	JB	1,M	E	Skj Bet Yft Oth	B	10,719

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
74	PV	P	PU	X,D	F	Skj Yft Oth	B	1,757
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	398
75	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,783
		P	JB	1,M	E	Skj Bet Yft Oth	B	11,804
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
	NZ	S	NZ	X,D	G	Skj	T	92
	PV	P	PU	X,D	F	Skj Yft Oth	B	2,034
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	372
76	FJ	P	FJ	X,D	F	Skj Yft Oth	B	468
	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,341
		P	JB	1,M	E	Skj Bet Yft Oth	B	10,500
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
	NZ	S	NZ	X,D	G	Skj	T	620
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,644
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	287
77	FJ	P	FJ	X,D	F	Skj Yft Oth	B	835
	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,961
		P	JB	1,M	E	Skj Bet Yft Oth	B	13,844
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
	NZ	S	NZ	X,D	G	Skj	T	1,035
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,123
	TW	L	TB	5,Y	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	465
78	FJ	P	FJ	X,D	F	Skj Yft Oth	B	987
	JP	L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	2,994
		L	KI	X,D	C	Bet Yft Oth	B	196
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	206
		P	JB	1,M	E	Skj Bet Yft Oth	B	11,291
		P	KI	X,D	F	Skj Yft Oth	B	41
		P	SB	X,D	F	Skj Yft Oth	B	9
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
	NZ	S	NZ	X,D	G	Skj	T	1,141
	PV	P	PU	X,D	F	Skj Yft Oth	B	2,245
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	299
79	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	884
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	11,941
		L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	3,350
		L	KI	X,D	C	Bet Yft Oth	B	1,440
		L	MI	X,D	C	Bet Yft Bum Shk Oth	B	19
		L	NZ	X,D	C	Alb Bft Oth	T	11
		L	PG	X,D	C	Alb Bet Yft Mls Bum Blm Swo Sai Shk Oth	B	1,110
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,551
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	2,434
		P	FM	X,D	F	Skj Bet Yft Oth	B	5,893
		P	JB	1,M	E	Skj Bet Yft Oth	B	7,564

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
79	JP	P	KI	X,D	F	Skj Yft Oth	B	569
		P	MI	X,D	F	Skj Bet Yft Oth	B	27
		P	PG	X,D	F	Skj Yft Oth	B	54
		P	SB	X,D	F	Skj Yft Oth	B	118
		S	FM	X,D	G	Skj Bet Yft Oth	B	284
		S	PG	X,D	G	Skj Yft Oth	B	127
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	B	878
		L	KI	X,D	C	Bet Yft Oth	B	56
	NZ	S	NZ	X,D	G	Skj	T	1,390
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,764
	TW	L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	294
80	FJ	P	FJ	X,D	F	Skj Yft	B	505
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	2,133
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	11,898
		L	JB	5,M	A	Alb Bet Yft Bft Mls Bum Blm Swo Oth	B	4,229
		L	KI	X,D	C	Bet Yft Oth	B	4,620
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,106
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	10,736
		L	PG	X,D	C	Alb Bet Yft Mls Bum Blm Swo Sai Shk Oth	B	11,055
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	704
		L	SB	X,D	C	Alb Bet Yft Mls Bum Blm Swo Sai Shk Oth	B	2,339
		P	FM	X,D	F	Skj Bet Yft Oth	B	5,593
		P	KI	X,D	F	Skj Yft Oth	B	2,259
		P	MI	X,D	F	Skj Bet Yft Oth	B	1,480
		P	PG	X,D	F	Skj Yft Oth	B	19
		P	SB	X,D	F	Skj Yft Oth	B	147
		S	FM	X,D	G	Skj Bet Yft Oth	B	224
		S	PG	X,D	G	Skj Yft Oth	B	901
		S	SB	X,D	G	Skj Yft Oth	B	112
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
		L	KI	X,D	C	Bet Yft Oth	B	230
		S	FM	X,D	G	Skj Yft Oth	B	5
	NZ	S	NZ	X,D	G	Skj	T	1,920
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,238
	TW	L	PU	X,D	C	Bet Yft Bum Shk Oth	B	3,089
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	77
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	371
81	FJ	P	FJ	X,D	F	Skj Yft	B	1,320
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	6,483
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	15,039
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,668
		L	MI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,490
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	10,345
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	14,702
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,513
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,891
		P	FM	X,D	F	Skj Bet Yft Oth	B	3,685

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
81	JP	P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	1,787
		P	MI	X,D	F	Skj Alb Bet Yft Bft Oth	B	2,267
		P	SB	X,D	F	Skj Yft Oth	B	148
		S	FM	X,D	G	Skj Bet Yft Oth	B	662
		S	PG	X,D	G	Skj Yft Oth	B	1,404
		S	SB	X,D	G	Skj Yft Oth	B	189
	KR	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	228
		L	TV	X,D	C	Alb Bet Yft Oth	B	13
		S	FM	X,D	G	Skj Yft Oth	B	33
	NC	P	NC	X,D	F	Skj Bet Yft Oth	B	127
	NZ	S	NZ	X,D	G	Skj	T	2,008
	PV	P	PU	X,D	F	Skj Yft Oth	B	1,819
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	121
		P	SB	X,D	F	Skj Yft Oth	B	8,145
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	326
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	369
82	FJ	P	FJ	X,D	F	Skj Yft	B	2,494
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	6,799
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	10,942
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	6,149
		L	MI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,825
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	8,864
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	12,802
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,115
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	3,569
		P	FM	X,D	F	Skj Yft Oth	B	741
		P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	933
		P	MI	X,D	F	Skj Alb Bet Yft Bft Oth	B	2,803
		P	PG	X,D	F	Skj Yft Oth	B	27
		P	SB	X,D	F	Skj Yft Oth	B	90
		S	FM	X,D	G	Skj Yft Oth	B	1,254
		S	PG	X,D	G	Skj Yft Oth	B	3,954
		S	SB	X,D	G	Skj Yft Oth	B	184
	KR	L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	651
		S	PG	X,D	G	Skj Yft Oth	B	194
	NC	P	NC	X,D	F	Skj Bet Yft Oth	B	674
	NZ	S	NZ	X,D	G	Skj	T	1,077
	PH	S	MI	X,D	G	Skj Bet Yft Oth	B	147
	PV	P	PU	X,D	F	Skj Yft Oth	B	964
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	393
		P	SB	X,D	F	Skj Yft Oth	B	9,009
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	155
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,672
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	249
83	FJ	P	FJ	X,D	F	Skj Yft	B	1,450
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,213
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	8,095

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
83	JP	L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,127
		L	MI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,457
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	106
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	5,736
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	9,197
		L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	1,374
		P	FM	X,D	F	Skj Yft Oth	B	1,031
		P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	390
		P	MI	X,D	F	Skj Alb Bet Yft Bft Oth	B	4,213
		P	NC	X,D	F	Skj Yft Oth	B	13
		P	PG	X,D	F	Skj Yft Oth	B	202
		S	FM	X,D	G	Skj Yft Oth	B	839
		S	PG	X,D	G	Skj Yft Oth	B	4,620
		S	SB	X,D	G	Skj Yft Oth	B	240
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	707
		S	FM	X,D	G	Skj Yft Oth	B	7
		S	PG	X,D	G	Skj Yft Oth	B	359
	NC	L	NC	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	41
		P	NC	X,D	F	Skj Bet Yft Oth	B	279
	NZ	S	FJ	X,D	G	Skj Yft Oth	B	97
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	406
		P	SB	X,D	F	Skj Yft Oth	B	10,417
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	147
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	199
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	H	
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	774
		S	PG	X,D	G	Skj Yft Oth	B	254
	US	S	PG	X,D	G	Skj Yft Oth	B	16
84	FJ	P	FJ	X,D	F	Skj Yft	B	1,189
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,173
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	18,272
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	6,339
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,701
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	215
		L	NZ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,431
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	324
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	6,614
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,646
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,034
		P	FM	X,D	F	Skj Yft Oth	B	3,141
		P	KI	X,D	F	Skj Alb Bet Yft Bft Oth	B	589
		P	MI	X,D	F	Skj Alb Bet Yft Bft Oth	B	1,360
		P	NC	X,D	F	Skj Yft Oth	B	20
		P	PF	X,D	F	Skj Yft Oth	B	6
		P	PG	X,D	F	Skj Yft Oth	B	37
		P	PU	X,D	F	Skj Alb Bet Yft Bft Oth	B	43
		P	SB	X,D	F	Skj Yft Oth	B	39

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
84	JP	S	FM	X,D	G	Skj Bet Yft Oth	B	2,738
		S	PG	X,D	G	Skj Yft Oth	B	4,054
		S	PU	X,D	G	Skj Bet Yft Oth	B	622
		S	SB	X,D	G	Skj Yft Oth	B	245
	KR	L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	286
		L	PF	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	18
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	258
		S	FM	X,D	G	Skj Yft Oth	B	115
		S	PG	X,D	G	Skj Yft Oth	B	539
	MX	S	FM	X,D	G	Skj Yft Oth	B	111
		S	PG	X,D	G	Skj Yft Oth	B	193
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	156
	NZ	S	FJ	X,D	G	Skj Yft Oth	B	70
	PH	S	PG	X,D	G	Skj Yft Oth	B	322
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	471
		P	SB	X,D	F	Skj Yft Oth	B	11,616
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	105
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	778
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	H	
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,910
	US	S	FM	X,D	G	Skj Yft Oth	B	188
		S	PG	X,D	G	Skj Yft Oth	B	470
		S	AT	- ,D	G	Skj Bet Yft Oth	T	4,929
		S	AT	- ,D	G	Skj Bet Yft Oth	T	464
		S	AT	X,D	G	Skj Bet Yft Oth	T	5,033
		S	AT	X,D	G	Skj Bet Yft Oth	T	526
		S	PG	X,D	G	Skj Yft Oth	B	754
85	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	12
	FJ	P	FJ	X,D	F	Skj Yft	B	982
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3,928
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	16,821
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	4,186
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,961
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	250
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	859
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	7,213
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,538
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,832
		P	FM	X,D	F	Skj Yft Oth	B	1,602
		P	KI	X,D	F	Skj Yft Oth	B	715
		P	MI	X,D	F	Skj Yft Oth	B	1,222
		P	NC	X,D	F	Skj Yft Oth	B	10
		P	PG	X,D	F	Skj Yft Oth	B	135
		P	PU	X,D	F	Skj Alb Bet Yft Bft Oth	B	2
		P	SB	X,D	F	Skj Yft Oth	B	460
		S	FM	X,D	G	Skj Yft Oth	B	1,958
		S	PG	X,D	G	Skj Yft Oth	B	4,037

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
85	JP	S	PU	X,D	G	Skj Bet Yft Oth	B	617
		S	SB	X,D	G	Skj Yft Oth	B	67
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	141
		L	KB	5,M	A	Alb Bet Yft Bft Mls Bum Swo Sai Shk Oth	H	
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	2,822
		L	PF	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	559
		L	TV	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	158
		S	FM	X,D	G	Skj Yft Oth	B	243
		S	PG	X,D	G	Skj Yft Oth	B	483
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	330
	NZ	S	FJ	X,D	G	Skj Yft Oth	B	114
	PH	S	PG	X,D	G	Skj Yft Oth	B	456
	SB	L	SB	X,D	C	Skj Alb Bet Yft Mls Bum Blm Swo Sai Oth	B	250
		P	SB	X,D	F	Skj Bet Yft Oth	B	5,678
		S	SB	X,D	G	Skj Bet Yft Oth	B	47
	SU	S	KI	X,D	G	Skj Yft Oth	B	274
	TO	L	TO	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	86
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	430
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	736
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	H	
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,992
		S	FM	X,D	G	Skj Yft Oth	B	836
		S	PG	X,D	G	Skj Yft Oth	B	1,247
	US	S	AT	- ,D	G	Skj Bet Yft Oth	T	3,197
		S	AT	X,D	G	Skj Bet Yft Oth	T	3,685
		S	AT	X,D	G	Skj Bet Yft Oth	T	91
		S	AT	- ,D	G	Skj Bet Yft Oth	T	11
		S	PG	X,D	G	Skj Yft Oth	B	1,065
86	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	30
	FJ	P	FJ	X,D	F	Skj Yft	B	1,016
	ID	S	FM	X,D	G	Skj Yft Oth	B	42
		S	PG	X,D	G	Skj Yft Oth	B	99
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3,542
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	8,276
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	1,035
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,850
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	454
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	5,559
		L	PU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	351
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,619
		P	FM	X,D	F	Skj Yft Oth	B	4,169
		P	KI	X,D	F	Skj Yft Oth	B	1,280
		P	MI	X,D	F	Skj Yft Oth	B	611
		P	PG	X,D	F	Skj Yft Oth	B	22
		P	PU	X,D	F	Skj Alb Bet Yft Bft Oth	B	8
		P	SB	X,D	F	Skj Yft Oth	B	14
		P	TV	X,D	F	Skj Yft Oth	B	26

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
86	JP	S	FM	X,D	G	Skj Yft Oth	B	3,506
		S	PG	X,D	G	Skj Yft Oth	B	2,748
		S	PU	X,D	G	Skj Bet Yft Oth	B	98
	KI	P	KI	X,D	F	Skj Yft	B	301
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	523
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	901
		L	PF	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	928
		S	FM	X,D	G	Skj Yft Oth	B	442
		S	PG	X,D	G	Skj Yft Oth	B	252
	NC	L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	
	PH	S	FM	X,D	G	Skj Yft Oth	B	239
	SB	S	SB	X,D	G	Skj Bet Yft Oth	B	178
	SU	S	KI	X,D	G	Skj Yft Oth	B	1,055
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	132
	TW	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	20
		L	TB	5,Q	A	Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	H	
		L	VU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	165
		S	FM	X,D	G	Skj Yft Oth	B	819
		S	PG	X,D	G	Skj Yft Oth	B	923
		S	FM	X,D	G	Skj Yft Oth	B	38
	US	S	PG	X,D	G	Skj Yft Oth	B	752
87	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	1,052
	FJ	P	FJ	X,D	F	Skj Yft	B	1,022
	ID	S	FM	X,D	G	Skj Yft Oth	B	58
		S	PG	X,D	G	Skj Yft Oth	B	143
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	4,535
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	12,120
		L	KI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	943
		L	MI	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	3,835
		L	NC	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	
		L	PF	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	668
		L	PG	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	375
		L	PU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	104
		L	SB	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	692
		P	FJ	X,D	F	Skj Yft	B	282
		P	FM	X,D	F	Skj Yft Oth	B	1,012
		P	KI	X,D	F	Skj Yft Oth	B	948
		P	MI	X,D	F	Skj Yft Oth	B	1,201
		P	PG	X,D	F	Skj Yft Oth	B	3
		P	SB	X,D	F	Skj Yft Oth	B	17
		S	FM	X,D	G	Skj Yft Oth	B	4,970
		S	PG	X,D	G	Skj Yft Oth	B	1,389
		S	PU	X,D	G	Skj Bet Yft Oth	B	161
		S	SB	X,D	G	Skj Bet Yft Oth	B	25
		KI	P	KI	F	Skj Bet Yft Oth	B	684
	KR	L	CK	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	221
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	17
		L	KI	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Shk Oth	B	2,733

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE										Media	Number of Records		
87	KR	L	PF	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth	B	1,318	
		L	US	O,D	C	Skj	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Oth	T	6,561	
		S	FM	X,D	G	Skj	Yft	Oth									B	1,746	
		S	KI	X,D	G	Skj	Yft	Oth									B	64	
		S	PG	X,D	G	Skj	Yft	Oth									B	1,153	
	NC	L	NC	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth	B		
	PH	S	PG	X,D	G	Skj	Yft	Oth									B	715	
	SB	P	SB	X,D	F	Skj	Bet	Yft	Oth									B	6,903
		S	SB	X,D	G	Skj	Bet	Yft	Oth									B	189
	TO	L	TO	X,D	C	Skj	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth	B	196
	TV	P	SB	X,D	F	Skj	Bet	Yft	Oth									B	153
	TW	L	FM	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	949
		L	US	O,D	C	Skj	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Oth		T	7,355
		L	VU	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	43
		S	FM	X,D	G	Skj	Yft	Oth										B	2,377
		S	PG	X,D	G	Skj	Yft	Oth										B	1,768
	US	S	FM	X,D	G	Skj	Yft	Oth										B	252
		S	KI	X,D	G	Skj	Yft	Oth										B	542
		S	PG	X,D	G	Skj	Yft	Oth										B	107
88	AU	L	AU	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth	T	781	
		S	PG	X,D	G	Skj	Yft	Oth									B	27	
	FJ	P	FJ	X,D	F	Skj	Yft										B	619	
	ID	S	FM	X,D	G	Skj	Yft	Oth										B	54
		S	PG	X,D	G	Skj	Yft	Oth										B	83
	JP	L	AU	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		T	6,865
		L	FM	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	10,940
		L	KI	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	712
		L	MI	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	2,298
		L	NC	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	
		L	PU	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	105
		L	SB	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	4,191
		P	FM	X,D	F	Skj	Yft	Oth										B	1,787
		P	KI	X,D	F	Skj	Yft	Oth										B	676
		P	MI	X,D	F	Skj	Yft	Oth										B	2,977
		P	SB	X,D	F	Skj	Yft	Oth										B	15
		P	TV	X,D	F	Skj	Yft	Oth										B	261
	S	FM	X,D	G	Skj	Yft	Oth											B	6,304
		PU	X,D	G	Skj	Yft	Oth											B	162
	KI	P	KI	X,D	F	Skj	Bet	Yft	Oth									B	763
	KR	L	CK	X,D	C	Skj	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Shk	Oth		B	90
		L	FM	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	16
		L	KI	X,D	C	Skj	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Shk	Oth		B	1,585
		S	FM	X,D	G	Skj	Yft	Oth										B	1,138
		S	PG	X,D	G	Skj	Yft	Oth										B	1,450
	NC	L	NC	X,D	C	Alb	Bet	Yft	Bft	Mls	Bum	Blm	Swo	Sai	Shk	Oth		B	
	NZ	P	FJ	X,D	F	Skj	Yft											B	45
	PH	S	PG	X,D	G	Skj	Yft	Oth										B	736
	SB	P	SB	X,D	F	Skj	Bet	Yft	Oth									B	6,466

TABLE 1 : CATCH AND EFFORT DATA HOLDINGS

Year	Flag	Gear	Source	Area, Time	Catch/ Effort	SPECIES COVERAGE	Media	Number of Records
88	SB	S	SB	X,D	G	Skj Bet Yft Oth	B	179
	TO	L	TO	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	173
	TV	P	SB	X,D	F	Skj Bet Yft Oth	B	175
	TW	L	FJ	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	760
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	2,513
		L	VU	X,D	C	Skj Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	35
		S	FM	X,D	G	Skj Yft Oth	B	3,085
		S	PG	X,D	G	Skj Yft Oth	B	2,373
		S	SB	X,D	G	Skj Bet Yft Oth	B	52
		S	FM	X,D	G	Skj Yft Oth	B	1,723
	US	S	KI	X,D	G	Skj Yft Oth	B	132
		S	PG	X,D	G	Skj Yft Oth	B	220
		S	TT	X,D	G	Skj Yft Oth	B	5,768
		S	TT	X,D	G	Skj Yft Oth	B	5,768
89	AU	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	3
	JP	L	AU	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	T	32
		L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	593
		P	FM	X,D	F	Skj Yft Oth	B	7
		S	FM	X,D	G	Skj Yft Oth	B	532
	KR	S	PG	X,D	G	Skj Yft Oth	B	41
	TW	L	FM	X,D	C	Alb Bet Yft Bft Mls Bum Blm Swo Sai Shk Oth	B	59
		S	PG	X,D	G	Skj Yft Oth	B	417
	US	S	TT	X,D	G	Skj Yft Oth	B	260
	US	S	TT	X,D	G	Skj Yft Oth	B	260

TABLE 2 : SKIPJACK PROGRAMME TAG DATA HOLDINGS

Key to columns

Year	-	Year of release.
Geog. Area	-	Geographic area where tagging took place (refer to APPENDIX I).
SKJ Tag'd	-	The number of skipjack released.
SKJ Cpt'd	-	The number of skipjack recaptured.
YFT Tag'd	-	The number of yellowfin released.
YFT Cpt'd	-	The number of yellowfin recaptured.
OTH Tag'd	-	The number of other species released.
OTH Cpt'd	-	The number of other species recaptured.
Total Tag'd	-	The number of all species released.
Total Cpt'd	-	The number of all species recaptured.

Comments

This table represents data holdings for the release and recapture of tuna and associated species as a result of the Skipjack Survey and Assessment Programme conducted from 1977 to 1981. The data are presented by geographic area and year of release. The number of recaptures represents recaptures in the geographic area from fish tagged in all geographic areas combined, and not the number of recaptures from fish tagged within the given geographic area. Species presented include *Skipjack*, *Yellowfin* and *Other*. Other species include: mackerel tuna (*Euthynnus affinis*), rainbow runner (*Elagatis bipinnulatus*), bigeye tuna (*Thunnus obesus*), albacore (*Thunnus alalunga*), frigate tuna (*Auxis thazard*). This data coverage includes recaptures by the tagging vessel.

The Skipjack Programme also generated data on the baitfish fishery, and on biological data for tuna including stomach contents and gonad indices.

TABLE 2 : SKIPJACK PROGRAMME TAG DATA HOLDINGS

Year	Geog. Area	SKJ Tagged	SKJ Capt'd	YFT Tagged	YFT Capt'd	OTH Tagged	OTH Capt'd	Total Tagged	Total Capt'd
77	NC	6,664	2	45				6,709	2
	PG	935	1	20				955	1
	SB	2,569	31	121	1	3		2,693	32
	VU	54						54	
78	AS	75						75	
	FJ	8,260	870	847	81	471	42	9,578	993
	JP	112	6					112	6
	KI	4,553	383	45				4,598	383
	KS	137	16	1				138	16
	MI	296	11	8				304	11
	MR	8						8	
	NC	3,670	16	14				3,684	16
	NK	1,250	1					1,250	1
	PP	928	21	60		50		1,038	21
	PU	747	33					747	33
	SI	834	5					834	5
	TI	2,344	9	62				2,406	9
	TK	802	13			1		803	13
	TO	1,423	10	260		3		1,686	10
	TV	2,711	3	136				2,847	3
	VU	1,155	2	195		163		1,513	2
	WF	14,053	49	214	1			14,267	50
	WS	1,793	27	78				1,871	27
	YP	827	2	10				837	2
79	KI	214	11	10				224	11
	KS	177	5	601		1		779	5
	MI	41	10	89				130	10
	MQ	10,086	2	165		1		10,252	2
	MR	187	5					187	5
	NW	4,391	2	8		16		4,415	2
	NZ	11,853	925			3		11,856	925
	PG	7,864	838	795	17	59	6	8,718	861
	PP	954	13	152	1	2		1,108	14
	PX	373	1	17				390	1
	QL	2,724	2	58				2,782	2
	SI	917	38	4	1			921	39
	SK	9						9	
	TI	2,468	15	32				2,500	15
	TK	343	12					343	12
80	AS	761	4					761	4
	FJ	17,734	1,358	1,658	41	2		19,394	1,399
	GA	177		308		34		519	
	MQ	10,706	40	25		1		10,732	40
	NC	26	7	27				53	7
	NF	1,131	1	256				1,387	1
	NU	93		31				124	

TABLE 2 : SKIPJACK PROGRAMME TAG DATA HOLDINGS

Year	Geog. Area	SKJ Tagged	SKJ Capt'd	YFT Tagged	YFT Capt'd	OTH Tagged	OTH Capt'd	Total Tagged	Total Capt'd
80	NZ	1,149	57					1,149	57
	PN	62		298				360	
	PP	3,757	89	53	2			3,810	91
	PU	6,600	71	1,298	3	18		7,916	74
	SB	3,818	328	760	5	4	1	4,582	334
	SI	1	10	34	4			35	14
	SK	50						50	
	TI	825	1	668				1,493	1
	TO	580	2	4				584	2
	TV	328	4					328	4
	WF	2,635	18	535	1	2		3,172	19
	WS	162	9			1		163	9
82	NZ	2,020	18	3		4		2,027	18

TABLE 3 : LENGTH FREQUENCY DATA HOLDINGS

Key to columns

Country of Sample	=	Country where length frequency sampling took place (refer to APPENDIX I)
Source	=	Country or source providing the data (refer to APPENDIX H)
Area	=	Area stratification (refer to APPENDIX D)
Time	=	Time stratification (refer to APPENDIX E)
SKJ Sampled	=	Number of skipjack sampled
YFT Sampled	=	Number of yellowfin sampled
ALB Sampled	=	Number of albacore sampled
OTH Sampled	=	Number of other species sampled
Total Sampled	=	Number of all species sampled

Comments

This table incorporates logsheets of length frequency sampling sent to SPC by member countries, information from the Skipjack Survey and Assessment Programme, various observer trips and published material. The species types detailed are *Skipjack*, *Yellowfin*, *Albacore* and *Other*.

The data submitted to SPC have been received in various formats, including lengths of individual fish or the numbers of fish in each of a series of size intervals. All data represented in this table have been converted to the numbers of fish in one centimetre size intervals.

TABLE 3 : LENGTH FREQUENCY DATA HOLDINGS

Year of Sample	Country	Source	Time	Area	SKJ Sampled	YFT Sampled	ALB Sampled	OTH Sampled	Total Sampled
71	SB	SR	M	V	4,326				4,326
72	SB	SR	M	V	18,973				18,973
74	SB	SR	M	V	11,134				11,134
75	SB	SR	M	V	15,545				15,545
76	SB	SR	M	V	34,359				34,359
77	??	JB	M	V		858			858
	NC	SS	D	X	6,664	45			6,709
	PG	SS	D	X	935	20			955
	SB	SR	M	V	77,340				77,340
	SB	SS	D	X	2,569	121		3	2,693
	VU	SS	D	X	54				54
78	??	JB	M	V	11,358	1,610			12,968
	AS	SS	D	X	75				75
	FJ	SS	D	X	8,260	847		471	9,578
	JP	SS	D	X	112				112
	KI	SS	D	X	4,553	45			4,598
	KS	SS	D	X	137	1			138
	M1	SS	D	X	296	8			304
	MR	SS	D	X	8				8
	NC	SS	D	X	3,670	14			3,684
	NK	SS	D	X	1,250				1,250
	NZ	NZ	D	V	201				201
	PP	SS	D	X	928	60		50	1,038
	PU	SS	D	X	747				747
	SB	SR	M	V	50,304				50,304
	S1	SS	D	X	834				834
	T1	SS	D	X	2,344	62			2,406
	TK	SS	D	X	802			1	803
	TO	SS	D	X	1,423	260		3	1,686
	TV	SS	D	X	2,711	136			2,847
	VU	SS	D	X	1,155	195		163	1,513
	WF	SS	D	X	14,053	214			14,267
	WS	SS	D	X	1,793	78			1,871
	YP	SS	D	X	827	10			837
79	??	JB	M	V	19,775	1,231			21,006
	K1	SS	D	X	214	10			224
	KS	SS	D	X	177	601		1	779
	M1	SS	D	X	41	89			130
	MQ	SS	D	X	10,086	165		1	10,252
	MR	SS	D	X	187				187
	NW	SS	D	X	4,391	8	16		4,415
	NZ	SS	D	V	25,066				25,066

TABLE 3 : LENGTH FREQUENCY DATA HOLDINGS

Year	Country of Sample	Source	Time	Area	SKJ Sampled	YFT Sampled	ALB Sampled	OTH Sampled	Total Sampled
79	NZ	SS	D	X	11,853		3		11,856
	PG	SS	D	X	7,864	795		59	8,718
	PP	SS	D	X	954	152		2	1,108
	PX	SS	D	X	373	17			390
	QL	SS	D	X	2,724	58			2,782
	SB	SR	M	V	19,965				19,965
	SI	SS	D	X	917	4			921
	SK	SS	D	X	9				9
	TI	SS	D	X	2,468	32			2,500
	TK	SS	D	X	343				343
80	??	JB	M	V	941	912			1,853
	AS	SS	D	X	761				761
	FJ	SS	D	X	17,734	1,658		2	19,394
	GA	SS	D	X	177	308		34	519
	MQ	SS	D	X	10,706	25	1		10,732
	NC	SS	D	X	26	27			53
	NF	SS	D	X	1,131	256			1,387
	NU	SS	D	X	93	31			124
	NZ	NZ	D	V	41,700				41,700
	NZ	SS	D	X	1,149				1,149
	PN	SS	D	X	62	298			360
	PP	SS	D	X	3,757	53			3,810
	PU	SS	D	X	6,600	1,298		18	7,916
	SB	SR	M	V	22,006				22,006
	SB	SS	D	X	3,818	760		4	4,582
	SI	SS	D	X	1	34			35
	SK	SS	D	X	50				50
	TI	SS	D	X	825	668			1,493
	TO	SS	D	X	580	4			584
	TV	SS	D	X	328				328
	WF	SS	D	X	2,635	535		2	3,172
	WS	SS	D	X	162			1	163
81	??	IA	D	V	300	200		100	600
	??	JB	M	V		195			195
	NZ	NZ	D	V	71,617				71,617
	SB	SB	D	1	4,819	2,870			7,689
82	??	IA	D	V	1,900	1,800		54	3,754
	??	JB	M	V		4,821			4,821
	??	OB	D	V	843	413		67	1,323
	NZ	SS	D	X	2,020	3	4		2,027
	SB	SB	D	1	2,706	1,622			4,328
83	??	IA	D	V	100	50			150
	SB	SB	D	1	4,522	1,868			6,390
84	PG	PG	D	-	2,671	1,299			3,970

TABLE 3 : LENGTH FREQUENCY DATA HOLDINGS

Year	Country of Sample	Source	Time	Area	SKJ Sampled	YFT Sampled	ALB Sampled	OTH Sampled	Total Sampled
84	SB	SB	D	1	4,261	215			4,476
85	PG	PG	D	-	8,990	4,734			13,724
	SB	SB	D	1	10,991	2,891			13,882
86	SB	SB	D	1	13,481	3,352			16,833
87	SB	SB	D	1	4,742	2,792		74	7,608
88	SB	SB	D	1	4,803	3,333		44	8,180
	SZ	NZ	D	V			351		351
	TT	TT	D	X	12,966	12,768		2,916	28,650
89	NC	SP	D	X	478		1,438		1,916
	SB	SB	D	1	6,218	2,515		246	8,979
	SZ	NZ	D	V			10,208		10,208
	TT	TT	D	X	1,133	1,155		224	2,512

APPENDIX A : NATIONALITY OF FISHING VESSELS

Code	Vessel Nationality
AU	AUSTRALIA
FJ	FIJI
ID	INDONESIA
JP	JAPAN
KI	KIRIBATI
KR	REPUBLIC OF KOREA
MX	MEXICO
NC	NEW CALEDONIA (France)
NZ	NEW ZEALAND
PH	PHILIPPINES
PV	VAN CAMP - PALAU
SB	SOLOMON ISLANDS
SU	USSR
TO	TONGA
TV	TUVALU
TW	TAIWAN
US	UNITED STATES OF AMERICA

APPENDIX B : SPECIES CODES

Species Code	Common Name	Scientific Name
ALB	ALBACORE	<i>Thunnus alalunga</i>
BET	BIGEYE	<i>Thunnus obesus</i>
BFT	BLUEFIN	<i>Thunnus thynnus</i>
BLM	BLACK MARLIN	<i>Makaira indicus</i>
BUM	BLUE MARLIN	<i>Makaira nigricans</i>
MLS	STRIPED MARLIN	<i>Tetrapturus audax</i>
OTH	'Other species'	
SAI	SAILFISH	<i>Istiophorus platypterus</i>
SHK	SHARK	<i>Elasmobranchi</i>
SKJ	SKIPJACK	<i>Katsuwonus pelamis</i>
SWO	BROADBILL SWORDFISH	<i>Xiphias gladius</i>
YFT	YELLOWFIN	<i>Thunnus albacares</i>

APPENDIX C : GEAR TYPES

Gear Code	Gear Description
L	Longline
S	Purse seine
P	Pole-and-line

APPENDIX D : AREA STRATIFICATION

Area Code	Area Stratification Description
X	Latitude/longitude coordinates to the nearest minute
1	One degree grid squares
5	Five degree grid squares
0	Ten degree grid squares
V	Variation of multiple degree grid squares
-	Not supplied

APPENDIX E : TIME STRATIFICATION

Time Code	Time Stratification Description
D	Daily recordings
M	Monthly recordings
Q	Quarterly recordings
Y	Yearly recordings

APPENDIX F : MEDIA TYPES

Media Code	Media Description
H	Hard copy material only. This is in the form of logsheets, statistical bulletins, miscellaneous reports, etc.
T	The data are stored on electronic media (i.e. magnetic tape) only.
B	The data are stored in hard copy form and on magnetic tape.

APPENDIX G : CODES FOR UNITS OF CATCH AND EFFORT

Code	Gear Type	Units of Catch	Units of Effort	Raised/ Unraised Data
A	L	Number of fish	Number of hooks Number of days fished	Raised
C	L	Number of fish Catch in metric tonnes	Number of hooks Number of days fished	Unraised
E	P	Catch in metric tonnes	Number of days fished	Raised
F	P	Catch in metric tonnes	Number of days fished	Unraised
G	S	Catch in metric tonnes	Number of days fished Number of sets	Unraised
J	L	Number of fish	Number of hooks Number of days fished	Unraised

APPENDIX H : SOURCE DETAILS

**Source
Code**

Details

JB 63, 65 - 66, 71 - 72, 74 - 80 Longline

*ANNUAL REPORT OF EFFORT AND CATCH STATISTICS BY AREA ON
JAPANESE TUNA LONGLINE FISHERY*

Published by

Research Department
Fisheries Agency of Japan

68 - 80 Pole-and-line

*ANNUAL REPORT OF EFFORT AND CATCH STATISTICS BY AREA ON
JAPANESE SKIPJACK BAITBOAT FISHERY*

Published by

Research Department
Fisheries Agency of Japan

KB 75 - 79, 80, 83 - 85, 88 Longline

*ANNUAL REPORT OF CATCH AND EFFORT STATISTICS AND
FISHING GROUNDS ON KOREAN TUNA LONGLINE FISHERY*

Published by

Fisheries Research and Development Agency
Busan, Korea
(Publication for 1979, published in December 1981)

SS SOUTH PACIFIC COMMISSION SKIPJACK SURVEY AND ASSESSMENT
PROGRAMME CONDUCTED THROUGHOUT THE REGION
FROM 1977 TO 1981

SR 71 - 80 Pole-and-line

SOLOMON ISLAND SKIPJACK DATA FROM POLE-AND-LINE VESSELS
GIVEN BY MONTH FOR ENTIRE AREA
Fisheries Division, Ministry of Natural Resources,
Solomon Islands

TB 72 - 86 Longline

ANNUAL CATCH STATISTICS OF TAIWAN'S TUNA LONGLINE FISHERY

Published by

Tuna Research Center
c/o Institute of Oceanography
National Taiwan University
Taipei, Republic of China
(Last publication for 1986, published in December 1987)

APPENDIX H : SOURCES OF DATA (...continued)

Code Source of Data

AT	AMERICAN TUNABOAT ASSOCIATION
AU	AUSTRALIA
CK	COOK ISLANDS
FJ	FIJI
FM	FEDERATED STATES OF MICRONESIA
IA	INTER-AMERICAN TROPICAL TUNA COMMISSION (IATTC)
JB	JAPAN PUBLICATIONS - BOOK DATA
KB	KOREA PUBLICATIONS - BOOK DATA
KI	KIRIBATI
MI	MARSHALL ISLANDS
NC	NEW CALEDONIA (France)
NZ	NEW ZEALAND
PF	FRENCH POLYNESIA (France)
PG	PAPUA NEW GUINEA
PU	PALAU
SB	SOLOMON ISLANDS
SP	SOUTH PACIFIC COMMISSION
SS	SOUTH PACIFIC COMMISSION SKIPJACK PROGRAMME
TB	TAIWAN PUBLICATIONS - BOOK DATA
TO	TONGA
TT	USA MULTILATERAL TREATY
TV	TUVALU
US	UNITED STATES OF AMERICA
VU	VANUATU

APPENDIX I : GEOGRAPHIC AREA CODES

Source

Code Geographic Area

AS	AMERICAN SAMOA
FJ	FIJI
GA	GAMBIER ISLANDS
JP	JAPAN
KI	KIRIBATI
KS	KOSRAE (Federated States of Micronesia)
MI	MARSHALL ISLANDS
MQ	MARQUESAS ISLANDS (France)
MR	NORTHERN MARIANA ISLANDS
NC	NEW CALEDONIA (France)
NF	NORFOLK (Australia)
NK	NORTHERN COOK ISLANDS
NU	NIUE
NW	NEW SOUTH WALES (Australia)
NZ	NEW ZEALAND
PG	PAPUA NEW GUINEA
PN	PITCAIRN (United Kingdom)
PP	PONAPE (Federated States of Micronesia)
PU	PALAU
PX	PHOENIX (Kiribati)
QL	QUEENSLAND (Australia)
SB	SOLOMON ISLANDS
SI	SOCIETY ISLANDS (France)
SK	SOUTHERN COOK ISLANDS
SZ	Subtropical Convergent Zone
TI	TUAMOTU ISLANDS (France)
TK	TRUK (Federated States of Micronesia)
TU	TOKELAU (New Zealand)
TO	TONGA
TT	Area covered by USA MULTILATERAL TREATY
TV	TUVALU
VU	VANUATU
WF	WALLIS AND FUTUNA
WS	WESTERN SAMOA
YP	YAP (Federated States of Micronesia)