

CURRENT STATUS OF SOUTH PACIFIC ALBACORE DATA
ON SWFC DATA BASES

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INTRODUCTION

Data bases on south Pacific albacore fisheries have been maintained by the Southwest Fisheries Center's (SWFC), Multispecies Data Collection and Evaluation Program since 1979. The data bases contain data on total catches, catch and fishing effort, and length frequencies of landed fish for most fisheries. The largest data base is catch and fishing effort for longline fisheries of Japan, Korea and Taiwan. Data on the U.S. jigboat (troll) fishery are available since 1986. Currently lacking are data for the gillnet fisheries of the south Pacific.

TOTAL CATCH

Estimated south Pacific albacore catches during the period 1970 to 1986, by country, are available in SWFC data bases. These estimates are from FAO statistics and may contain some inaccuracies. The data are reported by FAO areas. Since FAO areas 71 and 77 include both north and south fishing areas, the reported catches from these areas cannot be easily divided into north and south components.

CATCH AND FISHING EFFORT

Current information on catch and fishing effort on SWFC data bases is shown in Table 1. Data for the U.S. fishery are complete from 1986 to 1988.

Catch and fishing effort data for the Japanese longline fishery are complete for the period 1952 to 1982. Some albacore catch and effort data are available for the Japanese baitboat fishery in 1972 to 1975 and 1980 and 1982. The availability of data for 1983 to 1988 for these fisheries as well as for the Japanese gillnet fishery is not known.

Taiwan longline catch and fishing effort data are complete for the period 1967 to 1986. Gillnet catch and effort data are missing.

Catch and fishing effort data for Korean longliners are complete for 1975 to 1985. Data for 1986 to 1988 for this fishery as well as any gillnet information are missing.

Within the SWFC data base, the most comprehensive set of catch and fishing effort data is for foreign longliners based in American Samoa. The set covers the period 1960 to 1986 and includes detailed information on fishing operations. Because of

SWFC's agreements with the vessel operators on the confidentiality of this information, access is restricted to SWFC employees.

LENGTH FREQUENCY

The current status of SWFC data bases on south Pacific albacore length frequencies for the various fisheries is contained in Table 2. Information currently on the bases include the U.S. troll fishery for 1986 and 1988, Japanese longline fishery for the period 1956 to 1961 and 1965 to 1976 and American Samoa-based longline fishery for the period 1962 to 1986. The data collected in American Samoa is confidential and is subject to limited distribution.

SUMMARY OF MISSING DATA

Data that may be missing (subject to availability) are as follows:

Total Catch

- Catch data for all fisheries needs to be developed

Catch and Fishing Effort

- Japan longline, 1983-1988
baitboat, 1983-1988
gillnet, unknown
- Taiwan longline, 1987-1988
gillnet, unknown
- Korea longline, 1986-1988
gillnet, unknown

Length Frequency

- Japan longline, 1977-1988
baitboat, unknown
gillnet, unknown
- Taiwan longline, unknown
gillnet, unknown
- Korea longline, unknown
gillnet, unknown

Table 1. South Pacific Ocean albacore catch-effort catalog

YEAR	COUNTRY	GEAR	SPECIES	KIND CATCH	KIND EFFORT	TIME STRATA	KIND SQUARE
52	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
53	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
54	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
55	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
56	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
57	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
58	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
59	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
60	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
60	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
61	JAPAN	LL	YFT ALB BET SAI BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
61	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
62	JAPAN	LL	BFT YFT ALB BET SKJ SAI	NO. FISH	NO. HOOKS	MONTH	5X5
62	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
63	JAPAN	LL	BFT YFT ALB BET SKJ SAI	NO. FISH	NO. HOOKS	MONTH	5X5
63	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
64	JAPAN	LL	BFT YFT ALB BET SKJ SAI	NO. FISH	NO. HOOKS	MONTH	5X5
64	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
65	JAPAN	LL	BFT YFT ALB BET SKJ SAI	NO. FISH	NO. HOOKS	MONTH	5X5
65	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
66	JAPAN	LL	BFT YFT ALB BET SKJ SAI	NO. FISH	NO. HOOKS	MONTH	5X5
66	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
67	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
67	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
67	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
68	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
68	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
68	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
69	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
69	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
69	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
70	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
70	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
70	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
71	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
71	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
71	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
72	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
72	JAPAN	BB	SKJ ALB YFT BFT BET FRI	METRIC TON	D. FISH.	MONTH	1X1
72	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
72	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
73	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
73	JAPAN	BB	SKJ ALB YFT BFT BET FRI	METRIC TON	D. FISH.	MONTH	1X1
73	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
73	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
74	CHINA-TAIWAN	LL	BFT YFT ALB BET SAI BLM	NO. FISH	NO. HOOKS	MONTH	5X5
74	JAPAN	BB	SKJ ALB YFT BFT BET FRI	METRIC TON	D. FISH.	MONTH	1X1
74	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
74	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE

Table 1. Continued.

YEAR	COUNTRY	GEAR	SPECIES	KIND CATCH	KIND EFFORT	TIME STRATA	KIND SQUARE
75	CHINA-TAIWAN	LL	BFT YFT ALB BET YOU SAI	NO. FISH	NO. HOOKS	MONTH	5X5
75	JAPAN	BB	SKJ ALB YFT BFT BET FRI	METRIC TON	D. FISH.	MONTH	1X1
75	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
75	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
75	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
75	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
76	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
76	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
76	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
77	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
77	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
77	KOREA	LL	YFT ALB BET SKJ OTH SAI	NO. FISH	NO. HOOKS	MONTH	5X5
77	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
78	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
78	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
78	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
78	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
79	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
79	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
79	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
79	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
80	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
80	JAPAN	BB	SKJ ALB YFT BFT BET FRI	METRIC TON	NO. POLES	MONTH	1X1
80	JAPAN	LL	BFT SBF YFT ALB BET SKJ	NO. FISH	NO. HOOKS	MONTH	5X5
80	KOREA	LL	YFT ALB BET SKJ OTH SAI	NO. FISH	NO. HOOKS	MONTH	5X5
80	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
81	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	DAILY	MINUTE
81	JAPAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
81	KOREA	LL	ALB	NO. FISH	NO. HOOKS	MONTH	5X5
81	VARIOUS	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
81	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
82	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
82	JAPAN	BB	SKJ ALB YFT BFT BET FRI	METRIC TON	NO. POLES	MONTH	5X5
82	JAPAN	LL	ALB	NO. FISH	NO. HOOKS	MONTH	5X5
82	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
82	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
83	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	DAILY	MINUTE
83	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
83	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
84	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
84	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
84	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
85	CHINA-TAIWAN	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
85	KOREA	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	MONTH	5X5
85	VARIOUS	LL	BFT YFT ALB BET SKJ OTH	NO. FISH	NO. HOOKS	DAILY	MINUTE
86	CHINA-TAIWAN	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	MONTH	5X5
86	USA	TROL	ALB	NO. FISH	D. FISH	MONTH	1X1
86	VARIOUS	LL	ALB YFT BET BFT BLM BUM	NO. FISH	NO. HOOKS	DAILY	MINUTE
87	USA	TROL	ALB	NO. FISH	D. FISH	MONTH	1X1
88	USA	TROL	ALB	NO. FISH	D. FISH	MONTH	1X1

Table 2. South Pacific Ocean albacore length-frequency catalog

YEAR	COUNTRY	GEAR	SPECIES	TIME STRATA	KIND	SQUARE	INTERVAL	
56	JAPAN	LL	ALB	Q		5X5	1	
57	JAPAN	LL	ALB	Q		5X5	1	
58	JAPAN	LL	ALB	Q		5X5	1	
59	JAPAN	LL	ALB	Q		5X5	1	
60	JAPAN	LL	ALB	Q		5X5	1	
61	JAPAN	LL	ALB	Q		5X5	1	
65	JAPAN	LL	ALB	Q		5X5	1	
66	JAPAN	LL	ALB	Q		5X5	1	
67	JAPAN	LL	ALB	Q		5X5	1	
68	JAPAN	LL	ALB	Q		5X5	1	
69	JAPAN	LL	ALB	Q		5X5	1	
70	JAPAN	LL	ALB	Q		5X5	1	
71	JAPAN	LL	ALB	Q		5X5	1	
72	JAPAN	LL	ALB	Q		5X5	1	
73	JAPAN	LL	ALB	Q		5X5	1	
74	JAPAN	LL	ALB	Q		5X5	1	
75	JAPAN	LL	ALB	Q		5X5	1	
76	JAPAN	LL	ALB	Q		5X5	1	
62	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
63	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
64	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
65	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
66	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
67	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
68	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
69	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
70	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
71	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
72	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
73	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
74	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
75	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
76	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
77	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
78	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
79	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
80	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
81	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
82	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
83	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
84	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
85	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
86	VARIOUS	LL	ALB	TRIP		S.PAC	1	CONFIDENTIAL
87	USA	TROL	ALB	M		1X1	1	
88	USA	TROL	ALB	M		1X1	1	