

SPC PORT SAMPLING WORKSHOP 17th - 21st JAN

Since September 1991 (i.e. when I started unloading activities at Levuka wharf has gradually changed. The old unloading site has been shifted to the new building complex. Before trucks were used to bring the fish to the weighbridge for weighing. Now conveyor belts are used which makes unloading easier and more faster. Access for information from the vessel captains compared previously is bit better now since the leaflets in different languages as per a vessel nationality e.g. Taiwanese, Korean etc. were being issued. But some vessel skippers are friendly and cooperative some still tends to be reluctant to provide information. Upon insisting for hours then only they give part of the information. Before unloading they are approached kindly for information but some skippers mention that they'll provide information when the unloading is finished. In between, if their catch is rejected for fuel contamination they get angry since they lose a lot of money. And when they are approached they ~~they~~ are not very co-operative. Communication is still a problem despite showing them the leaflets.

This year only one transshipment vessel SPIKER loaded some Sebaceous yellowfin Big eye skipjack from Pafco cannery bound to Italy, Spain. The amounts are on Page no 5 of these booklet. Some Miscellaneous fish are just stored at Pafco freezer through F.C.F. shipping (Agents for all Taiwanese vessels). The agents pay Pafco the storage fee. Then fish are then transhipped to Japan etc. through the Agents. The amounts transhipped is not kept at Pafco. Excluding Royal Ocean and Royal Fortune (Korean longliners) all Korean vessels is controlled by Sae young shipping, their Agents in FITI. Royal Ocean and Royal Fortune are controlled by Jico Fisheries & registered for Fiji waters. This year two Taiwanese longliners visited Pafco (Cheng Chang No 22 and Hai Chang No: 11).

Mentioned below are regular Taiwanese longliners to Pafco.

Fong Kuo 111, Lih peng, Jin Ding, Lufah, Sheng yuh 6  
 Sheng jyi no: 7, Tung Fah: 1, Jia Yeou no: 6,  
 Haur chuen no: 7, Longdar, Siyau no: 1, Shin King yang  
 no: 3, Swtun 11

Others are: Sheng wang no: 7, Kooyn no: 21, Shin sheng 23  
 Km shin 11, Shun fah, Fu Peng, Hui cheng  
 cheng chang.

Tag information - Tag <sup>AUB</sup> found in vessel Fong Kuo 111 on 24/7/83  
 fork length was 91.6 cm weight was 171g  
 - was released on 23rd December 1983 at  
 36, 31 S 152 32 W South of Cook Is.

- Tag also found on Jin Ding  
 information on Tag CS120, CERNUSA  
 2230, NO 10604.

Vessel arrives at Pafco wharf, cleared by customs. Usually unloading starts in the morning and lasts to about 2 days depends on the tonnage. Vessel is approached first before unloading for information but sometimes they give information when unloading is finished. From every fish drum 12 fish are randomly taken out for fork lengths measured from the tip of the upper jaw to the fork in the tail. And it's weighed! at the same time though all the fins are being kept cut but not gutted. Usually 200 AUBs are sampled per vessel sometimes less because depending on the tonnage. They sometimes just bring 15-20 tons and the unloading is fast.

VESSEL: SHENG WANG NO: 7

PORT: LEVUKA

TAIWANESE / LONGLINER

SPECIES	DATES OF UNLOADING	
	25.9.91.	18.3.92
ALBACORE	103.737 <sup>MT</sup>	69.549 <sup>MT</sup>
YELLOWFIN (LARGE)	5.061	5.975
" (MEDIUM)	0.022	0.035
BIGEYE (30kg <sup>+</sup> )	1.429	1.033
" (10-30kg)	0.845	0.959
" (SMALL)		0.018
BLUE MARLIN	0.174	2.897
BLACK MARLIN		0.030
STRIPPED MARLIN		0.507
SWORD FISH	0.489	0.368
KING FISH		0.658
SKIPJACK	1.233	0.275

VESSEL: KAOKA NO: 121

PORT: LEVUKA

TAIWANESE / LONGLINER

SPECIES	30.9.91	1.10.91	16.1.92
	ALBACORE	65.589 <sup>MT</sup>	42.298 <sup>MT</sup>
YELLOWFIN (LARGE)	1.560	0.390	10.237
" (MEDIUM)		0.021	0.135
BIG EYE (10-30kg)	0.098	0.012	
BLUE MARLIN	0.180		4.674
SWORD FISH	1.709	0.490	
MOROSHARK	2.092	0.491	1.718
SUGIYAMA	0.017	0.242	0.147
SKIPJACK	0.503		0.475
BIG EYE (30kg <sup>+</sup> )			1.239
KING FISH			0.271
BLACK MARLIN			0.240

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VESSEL: ROYAL OCEAN

PORT: LEVUKA

KOREAN/LONGLINER

DATE UNLOADED

SPECIES	14.10.91	14.12.91	17.7.92	4.12.92	18.12.92	5.2.93
ALBACORE	15.251 m/t	29.723 m/t	28.305 m/t	25.145 m/t	23.475 m/t	23.171 m/t

VESSEL: ROYAL FORTUNE

PORT: LEVUKA

KOREAN/LONGLINER

DATE UNLOADED

SPECIES	14.10.91	11.12.91	17.3.92	13.7.92	12.3.93	3.10.92	9.12.92
ALBACORE	14.582 m/t	20.423 m/t	25.127 m/t	16.720 m/t	17.733 m/t	20.294 m/t	26.322 m/t

VESSEL: FONG KUO NO. 111

PORT: LEVUKA

TAIWANESE/LONGLINER

SPECIES	DATES OF UNLOADING						
ALBACORE	2.11.91	7.4.92	3.12.92	31.3.93	28.7.93	1.12.93	12.3.93
	119.306 m/t	83.160 m/t	121.629 m/t	76.916 m/t	145.308 m/t	148.959 m/t	135.346 m/t
YELLOW FIN (LARGE)	7.409 "	7.129 "	6.860 "	2.170 "	1.236 "		1.596 "
(MEDIUM)		0.245 "		0.221 "	6.160 "		
K EYE (30kg ↑)	2.013 "	0.878 "	0.504 "	0.307 "	0.896 "		1.053 "
(10-30 kg ↑)	0.841 "	0.501 "	0.197 "	0.312 "			0.089 "
(SMALL)	0.049 "		0.029 "	0.243 "	0.284 "		
BLUE MARLIN	2.391 "	2.793 "	1.253 "	0.334 "			0.174 "
STRIPPED MARLIN	3.157 "	1.026 "	2.413 "	0.511 "	1.157 "		
WEDD FISH	1.272 "	0.709 "	0.178 "	0.196 "	0.431 "	0.980 "	0.213 "
WOO SHARK	2.250 "	0.078 "		0.409 "	2.721 "	0.461 "	0.390 "
KING FISH	1.372 "	2.600 "		1.658 "	6.428 "		
BLACK MARLIN		0.081 "			0.153 "		0.506 "
SKID JACK	1.637 "	0.413 "	0.101 "	0.059 "	0.284 "		2.809 "
SAIL FISH	0.960 "	0.448 "	0.275 "	0.674 "			6.051 "
SUGIYAMA	2.538 "	0.182 "	3.579 "	0.426 "	0.368 "		

Vessel: LIFAH.

TAIWANESE/LONGLINER.

SPECIES	DATES OF UNLOADING					
	13.11.91	26.3.92	10.8.93	18.1.93	22.7.93	25.10.93
ALBACORE	76.152 <sup>m</sup> <sub>T</sub>	67.141 <sup>m</sup> <sub>T</sub>	105.319 <sup>m</sup> <sub>T</sub>	85.529 <sup>m</sup> <sub>T</sub>	108.708 <sup>m</sup> <sub>T</sub>	22.247 <sup>m</sup> <sub>T</sub>
YELLOWFIN (LARGE)	5.641	8.850	0.436	6.210	0.135	1.058
(MEDIUM)	0.044	0.643				
BIG EYE (30kg <sup>+</sup> )	1.224	0.717	0.046	0.873	0.124	
" (10-30kg)	0.964	0.675		0.378		
" (10kg <sup>-</sup> )	0.124			0.225		
SKIPJACK	0.798	1.424	1.306	0.162	0.104	
BLUE MARLIN	0.890	3.051		1.539		0.102
STRIPPED MARLIN	2.023	0.203		3.011		0.319
SWORDFISH	1.399	0.186	0.389	1.114	1.294	0.288
MOROSHARK	0.598	0.056		0.840		
SUGIYAMA	0.561	0.172				
SAILFISH	0.161		0.046	0.045		
KINGFISH	0.954	0.264		0.241		

Vessel: LONGBAR - TAIWANESE/LONGLINER

SPECIES	DATES OF UNLOADING		
	26.11.91	9.4.92	10.9.92
ALBACORE	79.663 <sup>m</sup> <sub>T</sub>	45904 <sup>m</sup> <sub>T</sub>	119.198 <sup>m</sup> <sub>T</sub>
YELLOWFIN (LARGE)	13.796	10.284	5.876
(MEDIUM)	0.447	0.149	
BIG EYE (30kg <sup>+</sup> )	2.124	1.623	1.608
(10-30)	1.713	0.889	0.467
(10kg <sup>+</sup> )	0.407		
BLUE MARLIN	2.148	2.219	
STRIPPED MARLIN	2.262	0.122	2.224
SWORDFISH	0.804	0.212	0.796
SAILFISH	0.809	0.421	0.045

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VESSEL - LONGBAR

PORT. LEVUKA

TAIWANESE / CONGLINER

SPECIES	28.1.93	17.8.93
ALBACORE	160.370 <sup>m/t</sup>	103.586 <sup>m/t</sup>
YELLOWFIN (LARGE)	14.382	2.009
YELLOWFIN (MEDIUM)		0.315
BIGEYE (LARGE)	1.344	0.165
" (MEDIUM)	2.015	0.077
" (SMALL)	0.041	
BLUE MARLIN	7.078	0.311
SKIPJACK	0.284	2.473
STRIPPED MARLIN	3.381	
SWORDFISH	0.896	0.223
BLACK MARLIN	0.044	
MOROSHARK	1.301	0.327
SUGIYAMA	0.213	1.309
SAILFISH	0.688	
MAHIMAHU	6.210	
PINK FISH	1.195	

VESSEL (KOREAN CONGLINER)	DATES	ALBACORE TONNAGE UNLOADED
ROYAL OCEAN NO: 5	28/10/93	22.029 m/t
ASTRO NO: 7	15/10/93	40.707 m/t
TAE BAEK 32	30.11.92	26.534 m/t
ROYAL FORTUNE	30.10.92	20.294 m/t
HEANAM 501	29.10.92	23.409 m/t
" 502	2.11.92	28.899 m/t
ROYAL OCEAN : 5	23.10.92	18.274 m/t
ESTRELLA NO: 301	30.9.92	32.576 m/t
PANAM NO: 2	17.12.93	7.443 m/t
" " "	27.12.93	13.020 m/t

VESSEL: HAUH CHUEN NO1.

TAIWANESE / LONGLINER.

SPECIES	DATES OF UNLOADING					
	13-12-91 m/t	3-1-92 m/t	24-7-92 m/t	17-12-92 m/t	6-9-93 m/t	16-4-93 m/t
ALBACORE	59.644	7.371	125.499	94.687	121.014	59.738
YELLOWFIN (LARGE)	3.424	0.315	1.266	3.748	7.246	7.009
" (MEDIUM)	0.079	0.013			0.186	
BIG EYE (30kg+)	0.663	0.036	0.112	1.180	0.589	0.279
" (10-30kg)	0.612	0.025	0.053	0.788	0.528	0.531
" Small (10kg+)	0.448	---				
BLUE MARLIN	1.051	0.222		1.143		
SWORDFISH	0.580	0.015	0.786	0.349	0.096	0.231
STRIPPED MARLIN	0.064		0.126	0.099	0.445	0.755
SAILFISH	0.461	0.024	0.035			
SUGIYAMA	0.415	0.042	0.240		0.023	
SKIPJACK	0.298	0.415	0.536	0.172	1.952	0.052
MOROSHARK	1.483	0.047	0.389		0.304	0.044
KING FISH		0.085		0.639		

VESSEL: SPIKER (TRANSHIPMENT) 28/0.9/93

SPECIES	TONNAGE	
ALBACORE	1,341.520 <sup>m/t</sup>	TRANSHIPPED TO ITALY. SPAIN.
YELLOWFIN	415.800 <sup>m/t</sup>	
BIG EYE	45.173 <sup>m/t</sup>	
SKIPJACK	250.570 <sup>m/t</sup>	

Vessel: SIYAHU No: 1

TAIWANESE LONGLINER.

SPECIES.	DATES OF UNLOADING		
	1	10.4.92	16.7.92
ALBACORE	77.990 <sup>mtr</sup>	37.797 <sup>mtr</sup>	98.505 <sup>mtr</sup>
YELLOW FIN (LARGE)	10.363	8.413	4.350
" (MEDIUM)	0.118	0.037	
BIG EYE (LARGE)	0.732	1.138	0.900
(MEDIUM)	1.077	0.660	0.256
(SMALL)	0.141		0.008
BLUE MARLIN	1.525	1.327	0.060
SWORD FISH	0.992	0.256	1.810
STRIPPED MARLIN	0.920		1.059
SAILFISH	0.061	0.399	
SIYAHAMA	0.069	0.046	0.097
SKIPJACK	6.960	0.227	2.246
NOROSHARK	0.295	0.322	1.510
BLACK MARLIN		0.287	0.158



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VESSEL: SHENG YUH NO. 6

TAIWANESE / LONGLINER.

SPECIES.	DATES OF UNLOADING.						
	21.1.92	9.5.92	14.4.93.	6.8.93.		29.9.93.	9.2.93.
ALBACORE.	62.501 m/r	39.111 m/r	12.844 m/r	85.796 m/r	55.501 m/r	65.736 m/r	73.256 m/r
YELLOW FIN (LARGE)	16.011		2.147	1.455	4.088	7.065	
"    (MEDIUM)	0.184		0.018				
BIG EYE (LARGE)	0.582		0.230		0.392	0.118	0.272
(MEDIUM)	1.887		0.295	0.079		0.318	0.309
(SMALL)	0.268					0.012	0.401
BLUE MARLIN	1.649		0.619				2.042
SWORDFISH	0.162	0.228	0.049	0.279	0.441	0.847	0.532
STRIPPED MARLIN	0.411	0.061	0.119		0.685	1.018	0.228
BLACK MARLIN	0.185						
SKIPJACK.	0.330		0	0.483		1.495	0.043
MOROSHARK			0.067	0.541		0.354	0.277
SUGIYAMA			0.075			0.718	

VESSEL: JIN BING - TAIWANESE / LONGLINER.

	22.1.92	12.3.92	4.8.92	20.1.93.	31.3.93.	4.8.93.	2.12.93
	44.052 m/r	12.022 m/r	118.300 m/r	113.083 m/r	17.607 m/r	128.704 m/r	122.374 m/r
ALBACORE.							
YELLOW FIN (LARGE)	3.190	2.771	1.040	4.774	2.430	0.257	1.675
(MEDIUM)		0.015					
BIG EYE (LARGE)	0.420	0.068	0.362	1.135	0.259		
(MEDIUM)	0.814	0.166		0.067	0.344		
(SMALL)		0.033		0.020			
BLUE MARLIN	1.501	0.307	0.316	0.381	0.295		0.076
STRIPPED MARLIN	0.822			0.462			0.708
SWORD FISH	0.426	0.047	0.176	0.175			0.631
BLACK MARLIN	0.168						
SAILFISH	0.203						
SKIPJACK.	0.737	0.041	0.978	0.106	0.016		
MOROSHARK		0.058	0.078	0.213	0.031	0.294	0.051
SUGIYAMA		0.087	0.055				

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VESSEL: JIA YEU NO:

TAIWANESE / LONGLINER

SPECIES.	6.2.92.	16.7.92	13.4.92	18.11.92	2.9.93
	m/T	m/T	m/T	m/T	m/T
ALBACORE.	29.579.	118.827	56.202.	35.911	104.988.
YELLOWFIN (LARGE)	12.341		5.490	11.350	
" (MEDIUM)	0.317		0.301	11.350	
BIGEYE (LARGE)	0.157		0.514	0.217	
" (MEDIUM)	1.923		1.071	0.355-	
" (SMALL)			0.050		
BLUE MARLIN	1.208.		1.481	1.363.	
STRIPPED MARLIN	1.139		0.939	0.647	
SWORDFISH	1.131		0.220	0.981	
NOROSHARK	0.281		0.259.	1.441	
SKIPJACK	0.943		0.282	0.574	
KINGFISH.	1.153.		0.236.	0.441	
SALFISH			0.160		
SUGIYAMA.			0.068	0.065-	
MAHI MAHI				0.082	

VESSEL: SHIN KING YANG NO: 3 - TAIWAN / LONGLINER.

	6.8.92	21.12.92	3.9.93	15.4.93.
	m/T	m/T	m/T	m/T
ALBACORE.	53.286.	73.366	31.750	98.655-
YELLOWFIN (LARGE)	7.388	1.679.	4.130	0.466.
" (MEDIUM)	0.331			0.315-
BIG EYE. (LARGE)	0.684	0.747	0.773	0.088
" (MEDIUM)	1.202	0.111	0.292	0.394
" (SMALL)				0.076
BLUE MARLIN	1.337			1.039
SWORDFISH	0.518	1.535-	1.119	1.836
STRIPPED MARLIN	0.520	0.499.	0.976	
SKIPJACK	0.867	1.793		
SUGIYAMA.	0.029	0.041		
NOROSHARK.	0.141	1.469	0.574	1.906
BLACK MARLIN			0.782	

VESSEL: TUNG FAN NO. 1

TAIWANESE / LONGLINER

SPECIES	4.3.92	6.4.92	13.8.92	22.12.92	13.2.93	18.12.93
ALBACORE	31.824 <sup>m/t</sup>	70.483 <sup>m/t</sup>	112.804 <sup>m/t</sup>	101.721 <sup>m/t</sup>	73.224 <sup>m/t</sup>	73.492 <sup>m/t</sup>
YELLOWFIN (LARGE)	3.219	3.176	3.430	7.162	0.921	2.791
(MEDIUM)	0.055	0.023			0.032	
BIG EYE (LARGE)	1.368	0.537	1.209	1.056	0.406	0.345
(MEDIUM)	0.839	0.357	0.222	0.692	0.181	0.127
(SMALL)	0.102	0.042		0.121		
BLUE MARLIN	0.852	0.797		1.294		0.592
STRIPPED MARLIN	6.884	0.318 <sup>m/t</sup>	0.414	2.300	0.783	1.424
SWORD FISH	0.700	0.393	0.854	0.862	0.426	0.155
MOROSHARK	0.403	1.025	0.327		1.910	1.010
SMULFISH	0.596	0.392		0.229		0.114
SUGIYAMA	2.877					
KING FISH	3.246			0.562		0.086
SKIPJACK	0.896		2.503	0.244	1.537	0.508

VESSEL: SHIN SHENG NO: 23

TAIWANESE / LONGLINER

	17.2.92		
ALBACORE	92.073 <sup>m/t</sup>	BLUE MARLIN	0.155 <sup>m/t</sup>
YELLOWFIN (LARGE)	3.629	BLUE MARLIN	2.315 <sup>m/t</sup>
(MEDIUM)	0.839		
BIG EYE (LARGE)	1.904		
(MEDIUM)	1.708		
(SMALL)	0.124		
STRIPPED MARLIN	1.313		
SWORD FISH	1.293		
MOROSHARK	1.096		
SKIPJACK	1.058		
SALFISH	0.349		
KING FISH	2.273		

VESSEL: SURTON II.

TAIWANESE / LONGLINER.

SPECIES.	DATES OF UNLOADING		
	16.3.92 mit	26.3.93 mit	11.12.92 mit
ALBACORE	20.235	74.861	63.354
YELLOWFIN (LARGE)	4.107	3.068	9.792
(MEDIUM)	0.032	0.028	0.015
BIG EYE (LARGE)	1.131	0.122	6.078
(MEDIUM)	0.868	0.357	1.066
(SMALL)	0.035	0.176	
BLUE MARLIN	2.106	2.468	2.135
STRIPPED MARLIN	2.507	0.880	2.623
SWORD FISH	1.346	0.619	
MOROSHARK	0.902	1.624	
SAILFISH	0.647	0.161	0.912
SUGIYAMA.	2.637	0.454	0.183
KINGFISH	3.773	1.248	0.867
SKIPJACK	1.039	0.204	0.166
MAHI MAHI	0.104		

VESSEL: SHENG JYI, NO. 7 TAIWANESE / LONGLINER.

SPECIES.	DATES OF UNLOADING			
	mit	mit	mit	mit
ALBACORE	56.096	112.505	158.701	157.033
YELLOWFIN (LARGE)	13.467	4.419	3.763	2.138
(MEDIUM)	0.164			
BIG EYE (LARGE)	1.744	1.151	0.675	0.754
(MEDIUM)	0.658	0.455	1.007	0.098
(SMALL)	0.131		0.119	
BLUE MARLIN	3.413	0.131	1.904	
STRIPPED MARLIN	0.204	0.964	3.115	0.270
SWORD FISH	0.330		0.416	0.335
MOROSHARK	0.259	1.596	0.860	2.446
SKIPJACK	0.233	1.666	0.273	2.057
BLACK MARLIN	0.066			
SAILFISH	0.103	1.631		
SUGIYAMA.				0.630
DATE:	1.4.92.	25.9.92	26.2.92	9.2.92

PAFCO/LEVUKA

11

VESSEL: LIH PENG / TAIWANESE LONGLINER

SPECIES	DATES OF UNLOADING				
	30.4.92	29.7.92	16.12.92	18.3.93	28.8.93
ALBACORE	14.002 <sup>m/t</sup>	74.777 <sup>m/t</sup>	35.942 <sup>m/t</sup>	17.628 <sup>m/t</sup>	94.491 <sup>m/t</sup>
YELLOWFIN (LARGE)	4.023	2.679	7.798	1.635	0.583
(MEDIUM)	0	0.080			
BIG EYE (LARGE)	0.079	0.521	0.604		0.646
(MEDIUM)	0.195	0.336	0.153	0.130	0.054
(SMALL)				0.070	
BLUE MARLIN	1.223	0.123	1.584	0.758	
BLACK II	0.029				
SWORD FISH	0.102	1.185	0.771	0.314	1.742
KING FISH	0.077				
STRIPPED MARLIN		1.109	2.447	0.054	0.247
MORO SHARK	0.162	1.636		0.463	1.263
SKIPJACK	0.036	1.410			
SUGIYAMA	0.026	0.025			

	VESSEL: KIN SHIN II TAIWANESE LONGLINER		VESSEL: CHENG CHANG #22 TAIWANESE LONGLINE	
	31.3.93	27.10.93	1.9.93	
ALBACORE	73.086 <sup>m/t</sup>	31.674 <sup>m/t</sup>	107.682 <sup>m/t</sup>	
YELLOWFIN (LARGE)	0.202	2.075	7.695	
(MEDIUM)			0.180	
BIG EYE LARGE	0.518	0.672	0.906	
MEDIUM		0.264	0.844	
SMALL		0.107		
KING FISH	1.395	0.593		
SKIPJACK	0.161		0.909	
SUGIYAMA	0.064	1.210		
MORO SHARK		0.768		
BLUE MARLIN		1.559	0.270	
STRIPPED MARLIN		0.924	0.465	
SWORD FISH		0.407	0.541	

PAFCO/LEVUKA

(12)

VESSEL: FUUN FA.

VESSEL: FU PENG.

TAIWANESE/LOUQUINER

TAIWANESE/LOUQUINER

SPECIES	DATES OF UNLOADING.		DATES OF UNLOADING.	
	1.7.93	4.10.93	6/7.193	10.11.93.
ALBACORE	45.835 <sup>m/t</sup>	125.270 <sup>m/t</sup>	75.256 <sup>m/t</sup>	99.277 <sup>m/t</sup>
YELLOWFIN (LARGE)	0.357	7.586	1.884	4.065
"    (MEDIUM)		0.381	0.077	0.237
BIG EYE (LARGE)	0.681	1.571	0.758	0.185
(MEDIUM)		0.777	0.203	0.238
BLUE MARLIN	0.203		0.217	
STRIPPED MARLIN	0.379	1.842	1.095	1.462
SWORD FISH	0.754	1.458	0.955	0.979
MORO SHARK	1.916	1.935	2.260	1.141
SKIPJACK	0.028			0.513
BLACK MARLIN			0.097	
SAILFISH		0.113	0.038	0.034
SUGIYAMA				0.455

VESSEL: HAI CHUNG II. / TAIWANESE LOUQUINER

	6.9.93 <sup>m/t</sup>
ALBACORE	
YELLOWFIN (LARGE)	3.182
"    (MEDIUM)	0.265
BIG EYE (LARGE)	0.064
(MEDIUM)	0.332
STRIPPED MARLIN	0.782
SWORD FISH	0.759
MORO SHARK	2.920
SUGIYAMA	1.594
SAILFISH	0.310
SKIPJACK	1.233
BLACK MARLIN	0.150