

**ALBACORE DATA SUBSTITUTION AND RAISING MADE FOR 1992**

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**1. Up-dating carried out in 1992 prior to the stock assessment session**

The albacore catch at size was created a few years ago and it has been updated for the period 1975 through the present (i.e., up to 1990) for the North Atlantic fisheries. This data base was made only for the longline fisheries, for the South Atlantic, but not for the Mediterranean fisheries, since Mediterranean size data were very scarce.

Prior to the 1992 albacore stock assessment, this catch-at-size base was reviewed and updated, mostly to include 1991 data. All the catches were examined and the catch-at-size table was also updated for any changes in the catches in the past (since 1975). The same is true for any new size data information received since the last updating (made in 1991).

Table 1 lists all the catches matched with size data, and any size data substitutions made.

**2. Problems in the size data for the 1992 updating**

The size data series which are generally received before the SCRS meeting but which have not yet been received this year include:

- Taiwanese raised catch-at-size data for 1991
- Japanese raised catch-at-size data for 1990 or 1991
- Japanese actual size data for 1991

- South African surface size data for 1991
- Brazilian longline size data for 1990 and 1991

Also, U.S. data were only received in dressed weight frequencies for 1990 and 1991. Since we have no a conversion equation available to convert dressed weight to length, only the catch-at-weight table was created.

**3. South Atlantic surface fleet and Mediterranean catches**

The South Atlantic surface catches were not sized in the past due to the total lack of size data for this area. However, during the 1991 SCRS session, surface size data for the South African fishery became available. Therefore, this year, those data were matched to the South African catches. Also, for the first time, some catch-at-size data were created for the South Atlantic surface fishery.

Table 2 lists all the catches for the South Atlantic surface fisheries and those matched with the South African size data.

The catch data for the Mediterranean fisheries were modified to a great extent during the recent Second Joint GFCM/ICCAT Expert Consultation on Stocks of Large Pelagic Fishes in the Mediterranean Sea (Crete, September, 1992). Some new size data became available, but the size data are still very fragmental and the major part of the fisheries are unmatched. Therefore, the catch-at-size table for the Mediterranean was not created.



Table 2. South Atlantic surface fisheries catches and matching size data.

CATCH DATA					MATCHED SIZE DATA						
AR	COUNTRY	GEA	YE	RAISING MT FACTORS	ARE	COUNTRY	GE	YE	SAMPLE WEIGHT NO FIS	REMARKS	
4	S.AFRICA	BB	75	47	10.53481	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	75	107	23.98350	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	USA	PSG	75	1	0.22414	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	76	47	10.53481	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	76	35	7.84507	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	77	112	25.10423	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	JAPAN	BBF	77	2	0.44829	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	KOREA	BBF	77	63	14.12113	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	77	1	0.22414	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	77	73	16.36258	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	77	1	0.22414	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	78	40	8.96580	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	KOREA	BBF	78	43	9.63823	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	MAROC	PSG	78	2	0.44829	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	78	126	28.24226	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	78	12	2.68974	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	USA	PSG	78	9	2.01730	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	USSR	PS	78	68	15.24185	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	79	172	38.55292	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	79	41	9.18994	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	PS	79	2	0.44829	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	79	326	73.07123	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	79	2	0.44829	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	USA	PSG	79	11	2.46559	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	80	457	102.43421	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	KOREA	BBF	80	113	25.32837	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	80	978	219.21370	4			4461 243	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	PS	80	6	1.34487	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	80	206	46.17385	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	80	4	0.89658	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	USSR	SUR	80	99	22.19034	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	81	889	7.00256	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	81	912	7.18373	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	81	1377	10.84649	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	PS	81	1	0.00708	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	81	50	0.39384	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	81	7	0.05514	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	USA	PSG	81	2	0.01575	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	82	106	0.83495	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	82	947	7.45942	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	MAROC	PS	82	113	0.89009	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	82	2021	15.91921	4			163954 10267	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	PS	82	65	0.51200	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	82	365	2.87507	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	82	11	0.08665	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	USA	PSG	82	102	0.80344	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	83	295	2.32369	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	83	372	2.93021	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	JAPAN	PSG	83	26	0.20480	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	83	1393	10.97252	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	PS	83	5	0.03938	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	83	337	2.65452	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	83	7	0.05514	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	84	307	3.48678	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	84	7	0.07950	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	PORTUGAL	PSM	84	17	0.19308	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	84	2549	28.95051	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	PS	84	27	0.30666	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	84	9	0.10222	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	84	9	0.10222	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	85	155	1.76043	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	85	18	0.20444	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	85	5172	58.74149	4	S.AFRICA	UN	85	88047 7307	R.F.=TASKI/EST.SAMPLE WGT
4	S.AFRICA	PS	85	7	0.07950	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	85	146	1.65821	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	86	200	6.04547	4	S.AFRICA	UN	86	R.F.=TASKI/EST.SAMPLE WGT	

Table 2. South Atlantic surface fisheries catches and matching size data.

CATCH DATA					MATCHED SIZE DATA						
AR	COUNTRY	GEA	YE	RAISING MT FACTORS	ARE	COUNTRY	GE	YE	SAMPLE WEIGHT NO FIS	REMARKS	
4	FRANCE	PS	86	35	1.05796	4	S.AFRICA	UN	86	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	86	4650	140.55727	4	S.AFRICA	UN	86	33083 2498	R.F.=TASKI/EST.SAMPLE WGT
4	S.AFRICA	PS	86	6	0.18136	4	S.AFRICA	UN	86	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	86	30	0.90682	4	S.AFRICA	UN	86	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	87	807	15.96420	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	FRANCE	PS	87	100	1.97822	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	MAROC	PS	87	41	0.81107	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	87	5773	114.20240	4	S.AFRICA	UN	87	50551 3778	R.F.=TASKI/EST.SAMPLE WGT
4	S.AFRICA	SPO	87	47	0.92976	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	87	2	0.03956	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	88	185	4.70889	4	S.AFRICA	UN	88	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	88	5150	131.08528	4	S.AFRICA	UN	88	39287 2926	R.F.=TASKI/EST.SAMPLE WGT
4	S.AFRICA	SPO	88	34	0.86542	4	S.AFRICA	UN	88	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	88	1	0.02545	4	S.AFRICA	UN	88	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	89	5481	437.16849	4			12538 1027	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	89	43	3.42971	4	S.AFRICA	BB	89	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	89	1	0.07976	4	S.AFRICA	BB	89	R.F.=TASKI/EST.SAMPLE WGT	
4	SILLEONE	UNC	89	10	0.79761	4	S.AFRICA	BB	89	R.F.=TASKI/EST.SAMPLE WGT	
4	NEI	PS	90	4	0.36960	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	90	4169	385.21599	4			10823 823	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	90	46	4.25040	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	90	1	0.09240	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	ESPANA	PS	91	389	35.94364	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	NEI	PS	91	40	3.69600	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	BB	91	2669	246.61585	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	S.AFRICA	SPO	91	55	0.50820	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	S.HELENA	R R	91	5	0.46200	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4						4				NO CATCH/SIZE	
4	BRASIL	SUR	77	143	32.05272	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	78	39	8.74165	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	79	134	30.03541	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	80	86	19.27646	4	S.AFRICA	BB	80	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	81	20	0.15754	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	82	41	0.32295	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	82	11	0.08665	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	82	19	0.14866	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	83	14	0.11028	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	83	39	0.30720	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	83	6	0.04726	4	S.AFRICA	BB	82	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	84	14	0.15901	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	84	27	0.30666	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	84	23	0.26122	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	84	194	2.20337	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	84	5	0.05679	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	85	48	0.54516	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	85	37	0.42023	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	85	4	0.04543	4	S.AFRICA	UN	85	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	86	9	0.27205	4	S.AFRICA	UN	86	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	86	4	0.12091	4	S.AFRICA	UN	86	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	86	6	0.18136	4	S.AFRICA	UN	86	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	87	7	0.13848	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	87	1	0.01978	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	87	47	0.92976	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	87	10	0.19782	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	87	8	0.15826	4	S.AFRICA	UN	87	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	88	3	0.07636	4	S.AFRICA	UN	88	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	88	14	0.35635	4	S.AFRICA	UN	88	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	SUR	88	9	0.22908	4	S.AFRICA	UN	88	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	89	1	0.07976	4	S.AFRICA	BB	89	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	89	1	0.07976	4	S.AFRICA	BB	89	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BBF	90	15	1.38600	4	S.AFRICA	BB	90	R.F.=TASKI/EST.SAMPLE WGT	
4	BRASIL	BB	90	14	1.29360	4	S.AFRICA				