

**PROCEDURES ADOPTED FOR UPDATING CATCH AT SIZE
FOR NORTH AND SOUTH ATLANTIC ALBACORE**

ICCAT Secretariat

Tables 1 and 2 show the substitutions and raising carried out for updating the north and south Atlantic albacore catch-at-size data. Where changes had been made to the Task I base, or where discrepancies of more than 10% existed between the Task I base and the catch-at-size base, the catch-at-size data were re-raised accordingly.

Changes in the major fisheries included those of Japan, South Africa and Chinese Taipei. The 1994-1995 data for Japan were revised by the Japanese scientists.

The data from Chinese Taipei for 1981-1995 south Atlantic albacore were revised by scientists from Chinese Taipei, following the catch data revisions which were carried out in July 1997 with the assistance of the ICCAT Assistant Executive Secretary and Japanese scientists. It was decided at the July meeting that there was no need to revise the north Atlantic albacore catch-at-size data, as unverified measurement records had been eliminated when the data base for the north Atlantic was created.

Significant changes had also been made in the South African data from 1984-1994, to include data from South African vessels operating in Namibian waters and Portuguese dual flag vessels. The corresponding catch-at-size was received from South Africa.

Table-1 :Substitution and Raising procedures for north albacore, 1997 SCRS

							MATCHED SIZE DATA					Est'd
	C	GEA	G	Y T	CAT	R.F.		C	GE	G Y T	REMARKS	MT
R	O		R	E I		Y		O		E E I		
E	D			A M		P		D		A A M		
A	E			R E		E		E		R R E		
ESPANA	21	TRO	9	77	10291	0.87611					Re-raised	11746.2
ESPANA	21	BB	17	78	11273	0.72006					Re-raised	15655.7
ESPANA	21	TRO	9	78	14131	0.86542					Re-raised	16328.4
ESPANA	21	TRO	9	79	14232	0.85641					Re-raised	16618.3
ESPANA	21	BB	17	80	15743	0.88483					Re-raised	17792.1
ESPANA	21	TRO	9	80	9459	0.86039					Re-raised	10993.9
JAPAN	12	LL	1	85	844	0.87543					Re-raised	964.1
USA	25	LL	1	85	10	1.12360					Re-raised	8.9
JAPAN	12	LL	1	86	470	0.80095					Re-raised	586.8
CAN.JPN.	95	LL	1	87	21	0.85714					Re-raised	24.5
JAPAN	12	LL	1	87	494	0.85556					Re-raised	577.4
ESPANA	21	TRO	9	88	10966	0.84873					Re-raised	12920.5
JAPAN	12	LL	1	88	723	0.89903					Re-raised	804.2
USA	25	HAN	19	88	10	1.12360					Re-raised	8.9
JAPAN	12	LL	1	89	764	1.85752					Re-raised	411.3
JAPAN	12	LL	1	90	737	0.87906					Re-raised	838.4
TRINIDA	41	LL	1	90	4	2.00000					Re-raised	2.0
CHITAI	5	LL	1	91	4318	1.83588					Re-raised	2352.0
ESPANA	21	LL	1	91	8	1.40351					Re-raised	5.7
CHITAI	5	LL	1	92	2209	0.80094					Re-raised	2758.0
U.K.	112	GILL	24	92	59	1.10075					Re-raised	53.6
CANADA	4	LL	1	94	32	0.89636					Re-raised	35.7
CHINA.P	118	UNC	13	94	14	0.03791	2 CHITAI	5		1 94 13		369.3
PORTUG	19	BB	17	94	926	1.10713					Re-raised	836.4
CHINA.P	118	UNC	13	95	8	ERR	2 CHITAI	5		1 95	USE NEW C	0.0
ESPANA	21	PS	6	95	217	0.39412						550.595
GRENAD	30	LL	1	95	2	ERR	CHITAI	5		1 95	USE NEW C	0.0
IRELAND	66	GILL	24	95	918	0.36882					Re-raised	2489.0
JAPAN	12	LL	1	95	386	1.58067					Re-raised	244.2
NEI	73	PS	6	95	35	0.06357	2 ESPANA	21	BB	17 95 0		550.595
PORTUG	19	BB	17	95	6458	1.09461					Re-raised	5899.8
PORTUG	19	SUR	11	95	12	0.25000					Re-raised	48.0
U.K.	112	GILL	24	95	196	1.13295					Re-raised	173.0
USA	25	MW	23	95	145	0.85495					Re-raised	169.6
USA	25	UNC	13	95	0	1.00000						22.8
VENEZU	29	PS	6	95	0	1.00000						277.7

TABLE 2 Substitution and raising for albaocre south, for 1997 SCRS

	CATCH DATA					MATCHED SIZE DATA								REMARKS	EST'D MT		
	C	GEAR	G	Y	CATC	R.F.	A	C	GE	G	Y	T	WGH			NO.	
R	O		E	E	I	Y		O		E	E	I					
E	D		A	A	M	P		D		A	A	M					
A	E		R	R	E	E		E		R	R	E					
JAPAN	12	LL	1	77	105	0.77778	0	JAPAN	12	LL	1	78	0		135		
S.AFRICA	20	BB	17	80	1233	0.82200								Re-raised	1500		
S.AFRICA	20	PS	6	80	7	0.00467		S.AFRICA	20	BB	17	80	0		1500		
S.AFRICA	20	SPOR	12	80	260	0.17333		S.AFRICA	20	BB	17	80	0		1500		
CHI.TAIW	5	LL	1	81	18187	1.00000							1.8E	1.2E	Revised catch/size receiv	18213	
CHI.TAIW	5	LL	1	82	22800	1.00000							2.3E	1.5E	Revised catch/size receiv	22848	
USA	25	PSG	5	82	102	1.01898									Re-raised	100	
BRASIL	3	SURF	11	83	0	0.00000									Deleted	6	
CHI.TAIW	5	LL	1	83	9502	1.00000							9.5E	587253	Revised catch/size receiv	9519	
CHI.TAIW	5	LL	1	84	7889	1.00000							7.9E	405969	Revised catch/size receiv	7896	
S.AFRICA	20	BB	17	84	3184	1.00000									New c/size recieved	2447	
BRASIL	3	LL	1	85	67	0.94233									Re-raised	71	
CHI.TAIW	5	LL	1	85	19643	1.00000							2E 07	1.5E	Revised catch/size receiv	19659	
S.AFRICA	20	BB	17	85	6463	1.00000									New c/size recieved	5606	
S.AFRICA	20	SPOR	12	85	181	1.00000									New c/size recieved	182	
BRASIL	3	LL	1	86	65	0.94067									Re-raised	69	
CHI.TAIW	5	LL	1	86	27592	1.00000							2.8E	1.9E	Revised catch/size receiv	27599	
S.AFRICA	20	BB	17	86	5787	1.00000									New c/size recieved	5383	
BRASIL	3	LL	1	87	60	0.93750									Re-raised	64	
CHI.TAIW	5	LL	1	87	28790	1.00000							2.9E	2E 06	New c/size recieved	28800	
S.AFRICA	20	BB	17	87	7217	1.00000									Re-raised	6869	
BRASIL	3	LL	1	88	67	0.97101									Re-raised	69	
CHI.TAIW	5	LL	1	88	20746	1.00000							2.1E	1.2E	Revised catch/size receiv	20749	
S.AFRICA	20	BB	17	88	6526	1.00000									New c/size recieved	5603	
BRASIL	3	LL	1	89	61	0.88406									Re-raised	69	
CHI.TAIW	5	LL	1	89	18386	1.00000							1.8E	1E 0	Revised catch/size receiv	18385	
S.AFRICA	20	BB	17	89	6834	1.00000									New c/size recieved	6479	
BRASIL	3	LL	1	90	129	1.07500									Re-raised	120	
BRASIL	3	SURF	11	90	0	0.00000									Delete	9	
CHI.TAIW	5	GILL	24	90	927	0.04534	4	CHI.TAIW	5	LL	1	90	0	2E 07	91730		20444
CHI.TAIW	5	LL	1	90	20442	1.00000							2E 07	1.3E	Revised catch/size receiv	20444	
S.AFRICA	20	BB	17	90	5220	1.00000									New c/size recieved	5134	
BRA.TAIW	100	LL	1	91	820	1.00861									Re-raised	813	
BRASIL	3	LL	1	91	58	0.95238									Re-raised	61	
CHI.TAIW	5	LL	1	91	19883	1.00000							2E 07	1.2E	Revised catch/size receiv	19885	
BRA-HON.	102	LL	1	92	6	0.00738		BRA.TAIW	100	LL	1	91					813
BRA.TAIW	100	LL	1	92	2548	1.19849									Re-raised	2126	
BRAS.JPN	57	BBF	16	92	0	0.00000									Re-raised	1	
BRASIL	3	LL	1	92	95	1.01064									Re-raised	94	
CHI.TAIW	5	LL	1	92	23063	1.00008							2.3E	1.3E	Revised catch/size receiv	23061	
JAPAN	12	LL	1	92	583	1.00000									Task 1=583, Task 2 c/siz	577	
S.AFRICA	20	BB	17	92	6306	1.00000									New c/size recieved	6139	
ARGENTIN	2	UNCL	13	93	0	0.00000									Delete	306	
BRA.TAIW	100	LL	1	93	3291	0.89795									Re-raised	3665	
BRAS.JPN	57	LL	1	93	249	1.01220									Re-raised	246	
BRASIL	3	LL	1	93	55	1.01852									Re-raised	54	
CHI.TAIW	5	LL	1	93	19400	1.00000							1.9E	1.3E	Revised catch/size receiv	19398	
JAPAN	12	LL	1	93	467	1.00000									Task 1=467, C/size=423	423	
S.AFRICA	20	BB	17	93	6708	1.00000									New c/size recieved	4500	
BRASIL	3	SURF	11	94	392	2.14208	0	BRASIL	3	BB	16	95	0			Re-raised	183
CHI.TAIW	5	LL	1	94	22573	1.00000							2.3E	1.6E	Revised catch/size receiv	22575	
CHINA.PR	118	UNCL	13	94	14	0.00062	0	CHI.TAIW	5	LL	1	94	0			Re-raised	22575
JAPAN	12	LL	1	94	651	1.04915									Re-raised	621	
NAMIBIA	113	BB	17	94	915	1.00011									Re-raised	915	
BRA-HON.	102	LL	1	95	7	0.01210	4	JAPAN	12	LL	1	95					579
BRAS-BAR	117	LL	1	95	2	0.00346	4	JAPAN	12	LL	1	95					579
BRASIL	3	BB	17	95	17	1.70000									Re-raised	10	
BZ-SH-OB	137	LL	1	95	2	0.00011	4	CHI.TIA	5	LL	1	95	0			Re-raised	18353
CHI.TAIW	5	LL	1	95	18351	1.00000							1.8E	1.4E	Revised catch/size receiv	18353	
CHINA.PR	118	UNCL	13	95	8	0.00044	4	CHI.TIAW	5	LL	1	95	0			Re-raised	18353
HO-SH-OB	108	LL	1	95	2	0.00011	4	CHI.TIAW	5	LL	1	95	0			Re-raised	18353
JAPAN	12	LL	1	95	454	0.78479									Re-raised	579	
S.AFRICA	20	BB	17	95	4127	1.00000									New c/size recieved	3650	
S.AFRICA	20	SPOR	12	95	8	0.00219	4	SOUTH.AF	20	BB	17	95	0				3650
S.HELENA	61	BB	17	95	82	16.40000										5	

TABLE 2 Substitution and raising for albaocre south, for 1997 SCRS

		CATCH DATA					MATCHED SIZE DATA										
R	E	A	C	GEAR	G Y	CATC	R.F.	A	C	GE	G Y	T	WGH	NO.	REMARKS	EST'D	
			O		E E I	Y			O	E E I						MT	
			D		A A M	P			D	A A M							
			E		R R E	E			E	R R E							
		BRA-HON.	102	LL	1	96	8	0.80000	4	BRASIL	3	BB	17	95	0	10	
		BRA.TAI	100	LL	1	96	731	1.40442	4	JAPAN	12	LL	1	96	0	521	
		BRAS-BAR	117	LL	1	96	11	0.02113	4	JAPAN	12	LL	1	96	0	521	
		BRAS-USA	138	LL	1	96	4	0.00768	4	JAPAN	12	LL	1	96	0	521	
		BRAS.ESP	75	LL	1	96	9	0.01729	4	JAPAN	12	LL	1	96	0	521	
		BRASIL	3	BB	17	96	17	1.70000	4	BRASIL	3	BB	17	95	0	10	
		BRASIL	3	LL	1	96	78	0.14986	4	JAPAN	12	LL	1	96	0	521	
		CHI.TAI	5	LL	1	96	18789	1.02378		CHI.TAI	5	LL	1	95		18353	
		CHINA.PR	118	UNCL	13	96	20	0.00109	4	CHI.TIA	5	LL	1	95	0	18353	
		FRANCE	8	PS	6	96	176	17.60000	4	BRASIL	3	BB	17	95	0	10	
		JAPAN	12	LL	1	96	0	1.00000								521	
		NAMIBIA	113	BB	17	96	982	1.21488	4	NAMIBIA	113	BB	17	95	0	808	
		PORTUGAL	19	BB	17	96	494	8.46837	4	S.AFRICA	20	BB	17	95	0	58	
		S.AFRICA	20	BB	17	96	2097	1.00000	4	S.AFRICA	20	BB	17	95	0	58	
		S.AFRICA	20	SPOR	12	96	81	1.00000	4	S.AFRICA	20	BB	17	95	0	58	
		S.HELENA	61	BB	17	96	47	0.80570	4	S.AFRICA	20	BB	17	95	0	58	
		URUGUAY	42	LL	1	96	75	0.14409	4	JAPAN	12	LL	1	96	0	521	