

SUBSTITUTION AND RAISING DONE BY THE SECRETARIAT FOR ALBACORE FOR THE 1990 SCRS

ICCAT Secretariat
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TABLE Albacore size data available for catch and suggested data substitutions for creating catch-at-size data base.

NORTH ATLANTIC

CATCH DATA					SIZE DATA (SUBSTITUTIONS)							
AR	COUNTRY	YEAR	CATCH (KG)	T R.F.	COUNTRY	YR	AR	GR	TNWEIGHT #FISH	REMARKS		
1	SPAIN	75	BB	4386000	11	1.55623	SPAIN	77	1	BB	11	ADD DATA RF=CATCH/EST.WGT
1	SPAIN	75	BB	2924000	12	12.80989	SPAIN	77	1	BB	12	ADD DATA RF=CATCH/EST.WGT
1	SPAIN	76	BB	2621000	11	0.92998	SPAIN	77	1	BB	11	ADD DATA RF=CATCH/EST.WGT
1	SPAIN	76	BB	688000	12	3.01409	SPAIN	77	1	BB	12	ADD DATA RF=CATCH/EST.WGT
2	JAPAN	78	LL	127*	15	0.19782	JAPAN	78	2	LL	16	ADD DATA RF=NO FISH/NO
1	JAPAN	78	LL	361*	14	0.03948	JAPAN	78	1	LL	13	ADD DATA RF=NO FISH/NO
2	JAPAN	79	LL	456*	15	0.07614	JAPAN	79	1	LL	15	ADD DATA RF=NO FISH/NO
1	JAPAN	82	LL	2940*	14	0.82747	JAPAN	82	1	LL	15	ADD DATA RF=NO FISH/NO
2	JAPAN	83	LL	1082*	16	1.48219	JAPAN	83	2	LL	15	ADD DATA RF=NO FISH/NO
1	JAPAN	86	LL	264*	14	0.02993	JAPAN	86	1	LL	13	ADD DATA RF=NO FISH/NO
1	JAPAN	86	LL	4372*	15	0.27842	JAPAN	86	1	LL	16	ADD DATA RF=NO FISH/NO
2	JAPAN	86	LL	418*	14	0.50790	JAPAN	86	2	LL	13	ADD DATA RF=NO FISH/NO
2	JAPAN	86	LL	369*	15	0.82550	JAPAN	86	2	LL	16	ADD DATA RF=NO FISH/NO
2	CHI-TAIW	80	LL	7090000	13	0.76001	CHI-TAIW	80	2	LL	14	R.F.=#FISH/#FISH*1.49139 **
ALL	CHI-TAIW	80	LL	7090000	0	1.49139						RE-RAISED BY TASKI/REP CATCH
ALL	CHI-TAIW	81	LL	6584000	0	1.92933						RE-RAISED BY TASKI/REP CATCH
ALL	CHI-TAIW	82	LL	10500000	0	1.65662						RE-RAISED BY TASKI/REP CATCH
ALL	CHI-TAIW	83	LL	14254000	0	1.79936						RE-RAISED BY TASKI/REP CATCH
ALL	CHI-TAIW	84	LL	14923000	0	1.49525						RE-RAISED BY TASKI/REP CATCH
ALL	CHI-TAIW	85	LL	14899000	0	1.64010						RE-RAISED BY TASKI/REP CATCH
ALL	CHI-TAIW	86	LL	19646000	0	1.00000						C/SIZE REVISED BY NAT.SCI
2	OTHERS	86	LL	890000	1	1.00112						TASKI CHANGED, RE-RAISED
ALL	CHI-TAIW	87	LL	6636000	0	1.00000						C/SIZE REVISED BY NAT.SCI
1&2	JAPAN	87	LL	494000	1	1.00000				4138		RAISED BY NATIONAL SCI.
2	OTHERS	87	LL	377000	0	0.28978						TASKI CHANGED, RE-RAISED
1	CANADA	88	LL	47000	1	1.00000				46639	1855	100% SAMPLES
1	CHI-TAIW	88	LL	19702*	13	1.11493	JAPAN	88	1	LL	13	R.F.=#FISH/#FISH(RAISED)
1	CHI-TAIW	88	LL	29878*	14	1.69079	JAPAN	88	1	LL	13	R.F.=#FISH/#FISH(RAISED)
1	CHI-TAIW	88	LL	22999*	15	12.65768	JAPAN	88	1	LL	15	R.F.=#FISH/#FISH(RAISED)
1	CHI-TAIW	88	LL	40911*	16	1.71126	JAPAN	88	1	LL	16	R.F.=#FISH/#FISH(RAISED)
2	CHI-TAIW	88	LL	9062*	14	11.10539	JAPAN	88	2	LL	13	R.F.=#FISH/#FISH(RAISED)
2	CHI-TAIW	88	LL	13714*	15	7.54761	JAPAN	88	1	LL	15	R.F.=#FISH/#FISH(RAISED)
2	CUBA	88	LL	4000	0	0.10965	JAPAN	88	2	LL	0	R.F.=TASKI/TOTAL EST.WGT
1	FRANCE	88	GILL	753000	15	1.00000				17		RAISED IN 1989 BY N.SCI.
1	FRANCE	88	HMTD	1693000	15	1.00000				17		RAISED IN 1989 BY N.SCI.
1	FRANCE	88	TROL	359000	15	1.00000				17		RAISED IN 1989 BY N.SCI.
1&2	JAPAN	88	LL	723000	1	1.00000				211088	11587	RAISED BY NATIONAL SCI.
1	JAPAN	88	LL	468*	14	0.02648	JAPAN	88	1	LL	13	ADD DATA RF=NO FISH/NO
2	JAPAN	88	LL	291*	14	0.35662	JAPAN	88	2	LL	13	ADD DATA RF=NO FISH/NO
2	JAPAN	88	LL	363*	16	0.01518	JAPAN	88	1	LL	16	ADD DATA RF=NO FISH/NO
2	KOREA	88	LL	16000	0	0.43861	JAPAN	88	2	LL	0	R.F.=TASKI/TOTAL EST.WGT
1	PORT-AZOR	88	BB	142000	1	1.00000				52	185	RAISED IN 1989 BY SECR.
2	PORT-MAD	88	BB	29000	1	1.00000				3100	185	RAISED IN 1989 BY SECR.
1	PORT-MAIN	88	SURF	13000	0	0.00119	SPAIN	88	1	TROL	0	R.F.=TASKI/TASKI
1	SPAIN	88	BB	16301000	1	1.00000				80936	15045	REVISED 1990 NAT.SCIENT
1	SPAIN	88	TROL	10966000	1	1.00000				127351	22523	RAISED 1989 NAT.SCIENT.
2	SPN-CANAR.	88	BB	280000	1	1.00000				1500	71	RAISED IN 1989 BY SECR.

NORTH ATLANTIC Continued...

CATCH DATA					SIZE DATA (SUBSTITUTIONS)								
AR	COUNTRY	YEAR	CATCH (KG)	T R.F.	COUNTRY	YR	AR	GR	TNWEIGHT #FISH	REMARKS			
2	USA	88	LL	2000	0.33339	VENEZUELA	88	2	LL	0	R.F.=TASKI/SAMPLE EST.WGT		
1	USA	88	GILL	5000	0.00620	JAPAN	88	1	LL	0	R.F.=TASKI/TOTAL EST.WGT		
1	USA	88	HAND	10000	0.01260	JAPAN	88	1	LL	0	R.F.=TASKI/TOTAL EST.WGT		
1	USA	88	LL	46000	0.05704	JAPAN	88	1	LL	0	R.F.=TASKI/TOTAL EST.WGT		
1	USA	88	R R	51000	0.06324	JAPAN	88	1	LL	0	R.F.=TASKI/TOTAL EST.WGT		
2	VENEZUELA	88	LL	22000	3.66734				5999	236	R.F.=TASKI/SAMPLE EST.WGT		
2	VEN-FOR	88	LL	18000	3.00055	VENEZUELA	88	2	LL	0	R.F.=TASKI/SAMPLE EST.WGT		
1	CANADA	89	LLHB	30000	24.64673	KOREA	89	2	LLFB	0	R.F.=TASKI/TOTAL EST.WGT		
1&2	CHI-TAIW	89	LL	1288000	1.00000						BY NAT. SCIENTISTS		
1	CHI-TAIW	89	LL	35764*	13	1.83339	CHI-TAIW	89	1	LL	16	R.F.=#FISH/#FISH(RAISED)	
2	CHI-TAIW	89	LL	216*	16	0.01989	CHI-TAIW	89	2	LL	15	R.F.=#FISH/#FISH(RAISED)	
2	CUBA	89	LL	1000	0.82156	KOREA	89	2	LLFB	0	R.F.=TASKI/TOTAL EST.WGT		
1	FRANCE	89	BB	290000	6.44444	FRANCE	89	1	TROL	0	R.F.=TASKI/TASKII		
1	FRANCE	89	GILL	1450000	1.07011				38840	7456	RE-RAISED BY TASKI/TASKII		
1	FRANCE	89	HMTD	2240000	1.00000				0	47772	8112	RE-RAISED BY TASKI/TASKII	
1	FRANCE	89	TROL	70000	1.55556				0	10526	1831	RE-RAISED BY TASKI/TASKII	
1	JAPAN	89	LL	22108*	13	1.13334	CHI-TAIW	89	1	LL	16	R.F.=#FISH/#FISH(RAISED)	
1	JAPAN	89	LL	737*	14	0.03778	CHI-TAIW	89	1	LL	16	R.F.=#FISH/#FISH(RAISED)	
1	JAPAN	89	LL	315*	15	0.01615	CHI-TAIW	89	1	LL	16	R.F.=#FISH/#FISH(RAISED)	
1	JAPAN	89	LL	3702*	16	0.18978	CHI-TAIW	89	1	LL	16	R.F.=#FISH/#FISH(RAISED)	
1	JAPAN	89	LL	636*	13	0.04400	CHI-TAIW	89	2	LL	14	R.F.=#FISH/#FISH(RAISED)	
2	JAPAN	89	LL	664*	14	0.04594	CHI-TAIW	89	2	LL	14	R.F.=#FISH/#FISH(RAISED)	
2	JAPAN	89	LL	944*	15	0.08695	CHI-TAIW	89	2	LL	15	R.F.=#FISH/#FISH(RAISED)	
2	JAPAN	89	LL	510*	16	0.04697	CHI-TAIW	89	2	LL	15	R.F.=#FISH/#FISH(RAISED)	
2	KOREA	89	LL	53000	43.54256				0	1217	49	R.F.=TASKI/TOTAL EST.WGT	
1	PORT-AZOR	89	BB	12000	2.91680	PORT-AZOR	89	1	BB	7		R.F.=TASKI/CATCH/EST.WGT	
1	PORT-AZOR	89	BB	68900	2.167428	PORT-AZOR	89	1	BB	7		R.F.=TASKI/CATCH/EST.WGT	
1	PORT-AZOR	89	BB	6100	5.148271	PORT-AZOR	89	1	BB	7		R.F.=TASKI/CATCH/EST.WGT	
1	PORT-AZOR	89	BB	10500	7.255220				4114	211		R.F.=TASKI/CATCH/EST.WGT	
1	PORT-AZOR	89	BB	3220010	32.30661				997	41		R.F.=TASKI/CATCH/EST.WGT	
1	PORT-AZOR	89	BB	310011	3.11026	PORT-AZOR	89	1	BB	10		R.F.=TASKI/CATCH/EST.WGT	
2	PORT-MAD	89	BB	14800	1.653450	PORT-MAD	89	2	BB+HD	1	2265	87	R.F.=TASKI/CATCH/EST.WGT
2	PORT-MAD	89	BB	8800	2.5506884	HAND			140	7		R.F.=TASKI/CATCH/EST.WGT	
2	PORT-MAD	89	BB	100	3.04415	PORT-MAD	89	2	BB+HD	1		R.F.=TASKI/CATCH/EST.WGT	
2	PORT-MAD	89	BB	100	8.04415	PORT-MAD	89	2	BB+HD	1		R.F.=TASKI/CATCH/EST.WGT	
2	PORT-MAD	89	BB	200	9.08830	PORT-MAD	89	2	BB+HD	1		R.F.=TASKI/CATCH/EST.WGT	
2	PORT-MAD	89	BB	1530012	41.32901				364	15		R.F.=TASKI/CATCH/EST.WGT	
1	PORT-MAIN	89	SURF	3000	0.00029	SPAIN	89	1	TROL	0		R.F.=TASKI/TASKI	
1	SPAIN	89	BB	14777000	1.00000				305805	39595		RAISED BY NAT. SCIENTISTS	
1	SPAIN	89	TROL	10479000	1.00000				191513	27674		RAISED BY NAT. SCIENTISTS	
1	SPAIN	89	LLHB	27000	0.00258	SPAIN	89	1	TROL	0		R.F.=TASKI/TASKI	
2	SPN-CANAR.	89	BB	141000	19.51233				0	3557	132	R.F.=TASKI/TOTAL EST.WGT	
1	USA	89	GILL	25000	20.53894	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	
2	USA	89	LL	4000	3.28623	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	
1	USA	89	HAND	13000	10.68025	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	
1	USA	89	LL	48000	39.43477	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	
1	USA	89	R R	163000	133.91390	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	
2	USA	89	LL	6000	4.92935	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	
2	VENEZUELA	89	LL	29000	23.82517	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	
2	VENEZUELA	89	PS	2000	1.64312	KOREA	89	2	LL	0		R.F.=TASKI/SAMPLE EST.WGT	

* No. of fish
** Missing quarter was substituted before the total catch/size was raised to Task I.

SOUTH ATLANTIC

CATCH DATA					SIZE DATA (SUBSTITUTION)									
AR	COUNTRY	GR	YR	CATCH (KG)	TH	R.F.	COUNTRY	YR	AR	GR	TH	WEIGHT	#FISH	REMARKS
LONGLINE CATCHES SUBSTITUTED AND RAISED, 1990 SCRS														
4	ARGENTIM	LL	75	97000	0	1.52668	BRASIL	75	3	LL	N			R.F.=TASKI/SAMPLE EST. WGT
3	BRASIL	LL	75	93000	0	1.46373						63536	2724	R.F.=TASKI/SAMPLE EST. WGT
384	CHI. TAIW	LL	75	13384000	0									RAISED IN 1989 BY SECRAT
3	CUBA	LL	75	13000	0	0.00402	KOREA	75	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	75	306000	0									3265 RAISED 1989 BY SECRETARIAT
3	KOREA	LL	75	3230000	0									
3	PANAMA	LL	75	256000	0	0.07926	KOREA	75	3	LL	0			RF=TASKI/TASKI
4	ARGENTIM	LL	76	48000	0	0.29017	BRASIL	76	3	LL	0			RF=TASKI/SAMPLE EST. WGT
3	BRAS. KOR	LL	76	124000	0	0.74862	BRASIL	76	3	LL	0			RF=TASKI/SAMPLE EST. WGT
3	BRASIL	LL	76	157000	0	0.94911						165418	7868	R.F.=TASKI/SAMPLE EST. WGT
384	CHI. TAIW	LL	76	14600000	0									RAISED IN 1989 BY SECRET
3	CUBA	LL	76	19000	0	0.00444	KOREA	76	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	76	73000	0	0.00500	CHI. TAIW	76	384	LL	0			R.F.=TASKI/TASKI
3	KOREA	LL	76	3376000	0									RAISED IN 1989 BY SECRAT
3	PANAMA	LL	76	770000	0	0.22808	KOREA	76	3	LL	0			R.F.=TASKI/TASKI
3	USSR	LL	76	84000	0	0.02488	KOREA	76	3	LL	0			R.F.=TASKI/TASKI
4	ARGENTIM	LL	77	80000	0	0.00497	CHI. TAIW	77	384	LL	0			R.F.=TASKI/TASKI
3	BRAS. JPN	LL	77	55000	0	0.00342	CHI. TAIW	77	384	LL	0			R.F.=TASKI/TASKI
3	BRAS. KOR	LL	77	330000	0	0.02051	CHI. TAIW	77	384	LL	0			R.F.=TASKI/TASKI
3	BRASIL	LL	77	157000	0	0.00976	CHI. TAIW	77	384	LL	0			R.F.=TASKI/TASKI
384	CHI. TAIW	LL	77	16092000	0									RAISED IN 1989 BY SECRETARIAT
3	CUBA	LL	77	17000	0	0.00451	KOREA	77	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	77	105000	0									352 RAISED IN 1989 BY NAT. SCIENT
3	KOREA	LL	77	3766000	0									RAISED IN 1989 BY SECRAT
3	PANAMA	LL	77	377000	0	0.10011	KOREA	77	3	LL	0			R.F.=TASKI/TASKI
3	USSR	LL	77	212000	0	0.01317	CHI. TAIW	77	384	LL	0			R.F.=TASKI/TASKI
4	ARGENTIM	LL	78	8000	0	0.00039	CHI. TAIW	78	384	LL	0			R.F.=TASKI/TASKI
3	BRAS. JPN	LL	78	374000	0	0.01827	CHI. TAIW	78	384	LL	0			R.F.=TASKI/TASKI
3	BRASIL	LL	78	65000	0	0.00318	CHI. TAIW	78	384	LL	0			R.F.=TASKI/TASKI
384	CHI. TAIW	LL	78	20467000	0									RAISED IN 1989 BY SECRET
3	CUBA	LL	78	11000	0	0.00803	KOREA	78	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	78	135000	0									903 RAISED IN 1989 BY NAT. SCIENT
3	JAPAN	LL	78	174	13	0.00688	JAPAN	78	3	LL	15			R.F.=CATCH #/TOTAL #
3	JAPAN	LL	78	84	14	0.00324	JAPAN	78	3	LL	15			R.F.=CATCH #/TOTAL #
4	JAPAN	LL	78	14764	14	0.40661	JAPAN	78	4	LL	15			R.F.=CATCH #/TOTAL #
3	KOREA	LL	78	1370000	0									RAISED IN 1989 BY SECRET
3	PANAMA	LL	78	354000	0	0.25839	KOREA	78	3	LL	0			R.F.=TASKI/TASKI
3	USSR	LL	78	6000	0	0.00029	CHI. TAIW	78	384	LL	0			R.F.=TASKI/TASKI
3	BRAS. JPN	LL	79	216000	0	0.01662	CHI. TAIW	79	384	LL	0			R.F.=TASKI/TASKI
3	BRASIL	LL	79	151000	0	0.00742	CHI. TAIW	79	384	LL	0			R.F.=TASKI/TASKI
384	CHI. TAIW	LL	79	20340000	0									RAISED IN 1989 BY SECRET
384	JAPAN	LL	79	105000	0									372 RAISED IN 1989 BY NAT. SCIENT
4	JAPAN	LL	79	28484	16	2.55426	JAPAN	79	4	LL	15			R.F.=CATCH #/TOTAL #
3	KOREA	LL	79	878000	0									RAISED IN 1989 BY SECRET
3	PANAMA	LL	79	125000	0	0.14237	KOREA	79	3	LL	0			R.F.=TASKI/TASKI
4	S. AFRICA	LL	79	13000	0	0.00064	CHI. TAIW	79	384	LL	0			R.F.=TASKI/TASKI
4	ARGENTIM	LL	80	4000	0	0.28621	BRAS. JPN	80	384	LL	0			R.F.=TASKI/SAMPLE EST. WGT
384	BRAS. JPN	LL	80	204000	0	14.59656								13976 549 R.F.=TASKI/SAMPLE EST. WGT
3	BRASIL	LL	80	185000	0	13.23707	BRAS. JPN	80	384	LL	0			R.F.=TASKI/SAMPLE EST. WGT
384	CHI. TAIW	LL	80	18710000	0	1.14766								RE-RAISED TASKI/TOT. REPT. WGT
3	CUBA	LL	80	27000	0	0.03913	KOREA	80	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	80	333000	0									1111 RAISED IN 1989 BY NAT. SCIENT
3	JAPAN	LL	80	774	13	1.40000	JAPAN	80	3	LL	14			R.F.=CATCH #/TOTAL #
4	JAPAN	LL	80	50574	13	0.36864	JAPAN	80	4	LL	14			R.F.=CATCH #/TOTAL #
4	JAPAN	LL	80	12164	16	0.23206	JAPAN	80	4	LL	15			R.F.=CATCH #/TOTAL #
3	KOREA	LL	80	690000	0									RAISED IN 1989 BY SECRET
3	PANAMA	LL	80	167000	0	0.24203	KOREA	80	3	LL	0			R.F.=TASKI/TASKI
4	S. AFRICA	LL	80	279000	0	0.01711	CHI. TAIW	80	384	LL	0			R.F.=TASKI/TOTAL EST. WGT
4	ARGENTIM	LL	81	2000	0	0.17900	BRAS. JPN	81	4	LL	0			R.F.=TASKI/SAMPLE EST. WGT
4	BRAS. JPN	LL	81	206000	0	18.43681								11173 523 R.F.=TASKI/SAMPLE EST. WGT

SOUTH ATLANTIC CONTINUED

CATCH DATA					SIZE DATA (SUBSTITUTION)									
AR	COUNTRY	GR	YR	CATCH (KG)	TH	R.F.	COUNTRY	YR	AR	GR	TH	WEIGHT	#FISH	REMARKS
3	BRASIL	LL	81	63000	0	5.63844	BRAS. JPN	81	4	LL	0			R.F.=TASKI/SAMPLE EST. WGT
384	CHI. TAIW	LL	81	18187000	0	1.78612								78947 RE-RAISED TASKI/TOT. EST. WGT
3	CUBA	LL	81	53000	0	0.07771	KOREA	81	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	81	558000	0									2306 RAISED IN 1989 BY NAT. SCIENT
4	JAPAN	LL	81	214094	14	4.17981	JAPAN	81	4	LL	15			R.F.=CATCH #/TOTAL #
3	KOREA	LL	81	682000	0									RAISED IN 1989 BY SECRETAR
3	PANAMA	LL	81	129000	0	0.18915	KOREA	81	3	LL	0			R.F.=TASKI/TASKI
4	S. AFRICA	LL	81	429000	0	0.04213	CHI. TAIW	81	384	LL	0			R.F.=TASKI/TOTAL EST. WGT
3	URUGUAY	LL	81	23000	0	2.05848	BRAS. JPN	81	4	LL	0			R.F.=TASKI/SAMPLE EST. WGT
4	ARGENTIM UNCL	82		7000	0	0.00061	CHI. TAIW	82	384	LL	0			R.F.=TASKI/TOTAL EST. WGT
3	BRAS. JPN	LL	82	569000	0	0.04923	CHI. TAIW	82	384	LL	0			R.F.=TASKI/TOTAL EST. WGT
3	BRASIL	LL	82	179000	0	0.01549	CHI. TAIW	82	384	LL	0			R.F.=TASKI/TOTAL EST. WGT
384	CHI. TAIW	LL	82	22800000	0	1.97267								112806 RE-RAISED TASKI/TOT. EST. WGT
3	CUBA	LL	82	29000	0	0.05151	KOREA	82	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	82	569000	0									1558 RAISED IN 1989 BY NAT. SCIENTIST
4	JAPAN	LL	82	160034	13	0.36582	CHI. TAIW	82	4	LL	2			R.F.=CATCH #/TOTAL REPT. #
4	JAPAN	LL	82	43494	15	0.15932	CHI. TAIW	82	4	LL	8			R.F.=CATCH #/TOTAL REPT. #
4	JAPAN	LL	82	41504	16	2.67707	CHI. TAIW	82	4	LL	10			R.F.=CATCH #/TOTAL REPT. #
3	KOREA	LL	82	563000	0									RAISED IN 1989 BY SECRET
3	PANAMA	LL	82	210000	0	0.37300	KOREA	82	3	LL	0			R.F.=TASKI/TASKI
4	S. AFRICA	LL	82	96000	0	0.00831	CHI. TAIW	82	384	LL	0			R.F.=TASKI/TOTAL EST. WGT
3	URUGUAY	LL	82	235000	0	0.02033	CHI. TAIW	82	384	LL	0			R.F.=TASKI/TOTAL EST. WGT
4	ARGENTIM UNCL	83		55000	0	5.12548	BRAS. JPN	83	4	LL	0			R.F.=TASKI/SAMPLE EST. WGT
4	BRAS. JPN	LL	83	472000	0	43.98595								10731 499 R.F.=TASKI/SAMPLE EST. WGT
4	BRASIL	LL	83	191000	0	61.38321								3112 149 R.F.=TASKI/SAMPLE EST. WGT
384	CHI. TAIW	LL	83	9502000	0	2.08407								50176 RE-RAISED TASKI/TOT. EST. WGT
3	CUBA	LL	83	36000	0	0.06010	KOREA	83	3	LL	0			R.F.=TASKI/TASKI
384	JAPAN	LL	83	162000	0									80 RAISED IN 1989 BY NAT. SCIENTIST
4	JAPAN	LL	83	21964	13	0.08190	CHI. TAIW	83	4	LL	2			R.F.=CATCH #/TOTAL REPT. #
4	JAPAN	LL	83	15324	15	0.05645	CHI. TAIW	83	4	LL	5			R.F.=CATCH #/TOTAL REPT. #
4	JAPAN	LL	83	10984	14	0.08810	CHI. TAIW	83	4	LL	8			R.F.=CATCH #/TOTAL REPT. #
4	JAPAN	LL	83	28584	16	35.28395	CHI. TAIW	83	4	LL	10			R.F.=CATCH

