

Length-weight relationships adopted by the SCRS for major tropical tuna species: Yellowfin (YFT) (*Thunnus albacares*), Bigeye (BET) (*Thunnus obesus*), Skipjack (SKJ) (*Katsuwonus pelamis*).

Spp.	Area/Season	Relationship ¹	Reference	n	L range
BET	Any	$RWT = 2.396 \cdot 10^{-5} (FL)^{2.9774}$	Parks et al. (1982)	3186	37-210
SKJ	Any	$RWT = 7.480 \cdot 10^{-6} (FL)^{3.2526}$	Cayré - Laloë (1986)	14140	32-78
YFT	Any	$RWT = 2.153 \cdot 10^{-5} (FL)^{2.976}$	Caverivière (1976)	?	?

¹ Weights in Kg and lengths are in cm.

DWT = Dressed Weight (gilled, gutted, part of head off, fins off)

GWT = Gilled and Gutted

RWT = Round Weight (all catch statistics are maintained in RWT units)

FL = Fork length

EYFL = Eye fork length

LJFL = Lower jaw fork length

REFERENCES

- Caverivière (1975). Longueur predorsale, longueur a la fourche et poids des albacores (*Thunnus albacares*) de l'Atlantique. Rapport preliminaire. Document SCRS/75/73, unpublished.
- Cayré, P. and F. Laloë (1986). Relation Poids-Longueur du Listao (*Katsuwonus pelamis*) de l'Océan Atlantique. Proc. ICCAT Intl. Skipjack Yr. Prog., pp 335-340.
- Parks, W., F.X. Bard, P. Cayré, and S. Kume (1982) Length-weight relations for bigeye tuna captured in the eastern Atlantic Ocean. Col.Vol.Sci.Pap. ICCAT, 17 (1): 214-225.

Conversion factors for types of size measurements adopted by the SCRS for major tropical tuna species

Spp.	Area/Source	Factor ¹	Reference
BET	Any	If LD1 > 48: $FL = \left[\frac{LD1 + 0.5 + 21.45108}{5.28756} \right]^2$ If LD1 < 48, use Table 1	CHAMPAGNAT, C. et R. Pianet (1974)
YFT	Any	If LD1 > 49: $FL = 81.3 + 1.98(LD1 + 0.5)$ If LD1 < 49, use Table 2	CAVERIVIÈRE (Unpubl.)

¹ Length measurement types:

FL = Fork length

LD1 Lower jaw-first dorsal length

CPFFL Curved pectoral fin fork length

PDL Pectoral-dorsal length

CFL Curved fork length

PFFL Pectoral fin fork length

EYFL Eye-fork length

REFERENCES

- Caverivière (Unpubl.). Longueur predorsale, longueur a la fourche et poids des albacores (*Thunnus albacares*) de l'Atlantique. Rapport preliminaire. Document SCRS/75/73, unpublished.
- Champagnat, C. et R. Pianet (1974). Croissance du patudo (*Thunnus obesus*) dans les regions de Dakar et de Pointe Noire. Col. Vol. Sci. Pap. ICCAT 2: 141-144.

Conversion factors for fish products adopted by the SCRS for major tropical tuna species

Spp.	Area/Source	Factor ¹	Reference
BET	Any	$RWT=1.13 \times GWT$?
YFT	Any	$RWT=1.13 \times GWT$?

¹ Product types:

BM = Belly Meat

DWT = Dressed Weight (gilled, gutted, part of head off, fins off)

FIL = Fillet Weight

GWT = Gilled and Gutted

RWT = Round Weight (all catch statistics are maintained in RWT units)

OT = Other

BET Predorsal length (LD1) in lower limit

FL-	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49														
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