

Evaluation of daily and annual increment counts from pairs of yellowfin otoliths from the WCPO

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IATTC Workshop on age and growth of BET and YFT in the Pacific Ocean

25 January 2019

OCEANS AND ATMOSPHERE

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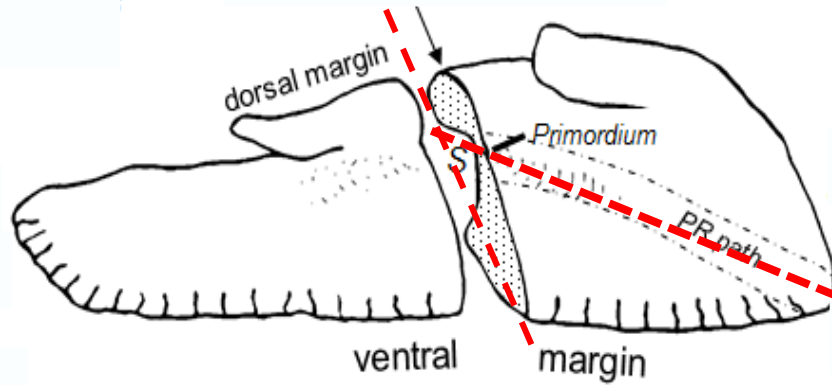


ICES Journal of Marine Science (2013), 70(7), 1439–1450. doi:10.1093/icesjms/fst093

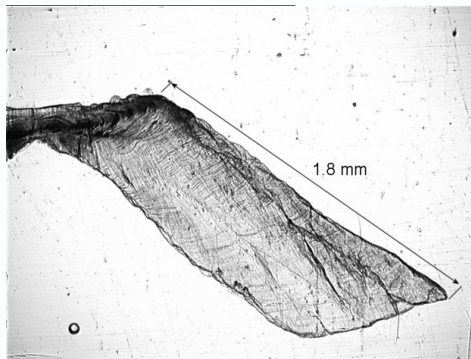
Comparison of daily- and annual- increment counts in otoliths of bigeye (*Thunnus obesus*), yellowfin (*T. albacares*), southern bluefin (*T. maccoyii*) and albacore (*T. alalunga*) tuna

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Sectioning planes

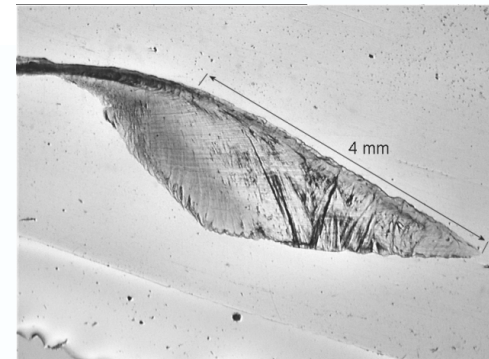


Transverse section



Daily age
Annual age

Frontal (longitudinal) section



Daily age

Size range analysed

Table 1. Number of otoliths selected from four tuna species by length class.

Fork length (cm)	Species			
	Albacore	Bigeye	Southern bluefin	Yellowfin
40–49	3		2	3
50–59	4	3	2	3
60–69	4	3		3
70–79	4	3	3	3
80–89	4	3	2	3
90–99	4	4	3	3
100–109	4	3	3	3
110–119	3	5	3	3
120–129		5	3	3
130–139		3		3
140–149		1		
150–159		1	2	
160–169			2	
170–179		1	2	
180–189			2	
190–199			1	
Total	30	35	30	30

Age bias plots

