
need help

Posted by btlotfi77 - 2009/06/24 03:35

i m a begginer in reding otolith of (Pagellus acarne) sparidae of Algerian coasts and i wonder how can i validate my results??

after reading some articles and books there are annual rings and seasonal ring how to make differences?

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Posted by nikkia - 2009/06/26 17:09

The most common way to calibrate your ages is to exchange your samples with someone else who is experienced with the species (or, if no one else ages that species, with someone who is experienced in a similar one) and comparing your ages. Unfortunately nobody in our lab looks at these so i can't be of any help in that arena. A true validation (or as close as we can get, anyway) usually involves bomb radiocarbon studies or tag and recapture studies.

As for "seasonal" vs. "annual" rings: an annual ring usually refers to an entire year's growth. A year's growth consists of two bands. in a break and burn sample, the lighter, wider band is the summer growth and the darker, narrower band is the winter growth. So we count each dark winter growth band to determine our age.

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