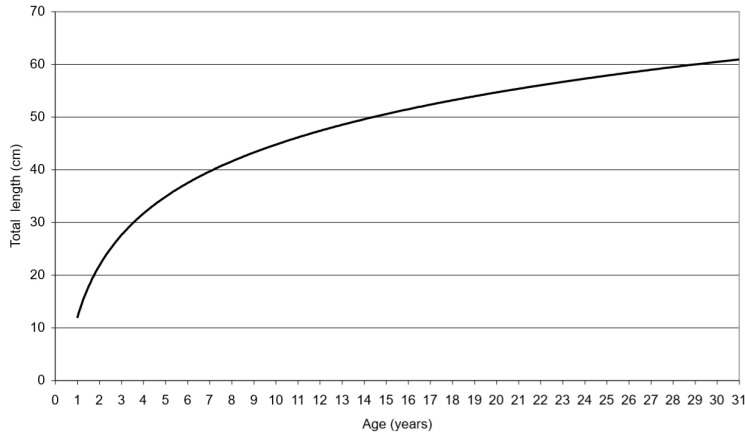


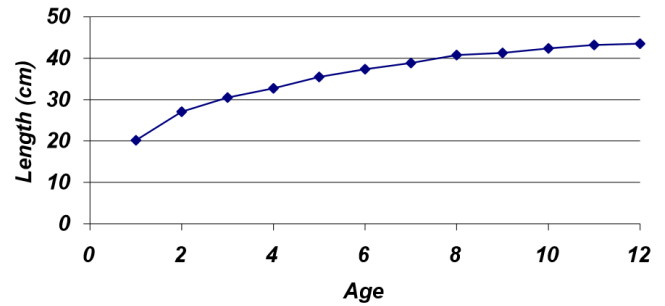


CCE FISHERIES - TEST YOUR KNOWLEDGE

Length at age key for tautog (*Tautoga onitis*). Data courtesy of the Atlantic Coastal Cooperative Statistics Program.



Atlantic Mackerel Age-Length (2003)



By: Bill Overholtz, NEFSC

Question 1.

You are on a fishing charter and have to estimate the ages of the fish caught that day. Read the following lengths of each species and estimate their ages from the growth curves/age-length curves provided.

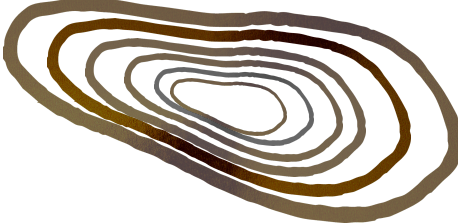
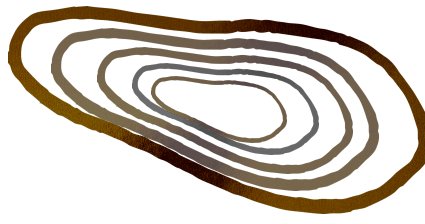
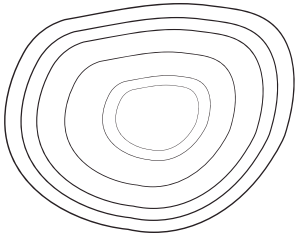
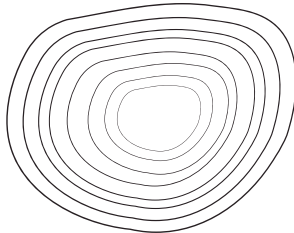
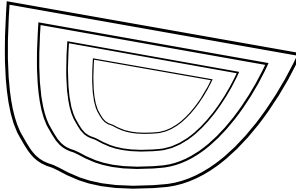
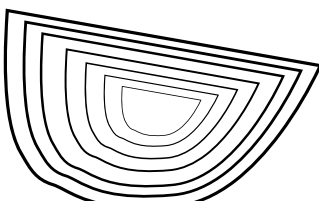
<u>Species</u>	<u>Length (cm)</u>	<u>Estimated Age</u>
Tautog (Blackfish)	21	<u>2-3</u>
Tautog (Blackfish)	45	<u>9-10</u>
Atlantic Mackerel	32	<u>3-4</u>
Tautog (Blackfish)	60	<u>29-30</u>
Atlantic Mackerel	21	<u>1-2</u>
Atlantic Mackerel	40	<u>7-8</u>
Tautog (Blackfish)	36	<u>5-6</u>
Atlantic Mackerel	27	<u>~2</u>



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Question 2.

Age each fish by counting the rings on this collection of otoliths, scales, and operculums. Assume 1 ring = 1 year.

<u>OTOLITHS</u>	
	
Age: <u> 6 </u>	Age: <u> 5 </u>
<u>SCALES</u>	
	
Age: <u> 6 </u>	Age: <u> 8 </u>
<u>OPERCULUM</u>	
	
Age: <u> 4 </u>	Age: <u> 7 </u>

FOR MORE INFORMATION

- Biological Sampling Program: <http://ccesuffolk.org/marine/fisheries/nys-fisheries-data-collection>
- Growth curves: <http://ccesuffolk.org/marine/fisheries/nys-fisheries-data-collection/growth-curves>
- Conservation Gear Technology: <http://ccesuffolk.org/marine/fisheries/bycatch-reduction-projects>

