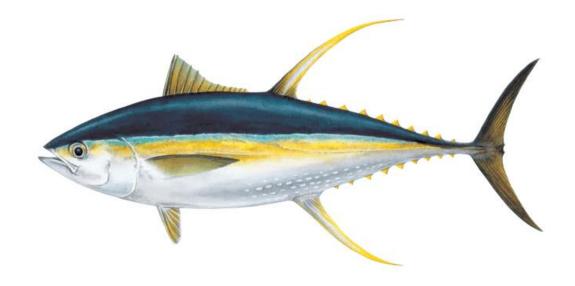


## **Conditional Age-at-Length Data Summary for Yellowfin Tuna**

P10 – Arni Magnusson



## Background



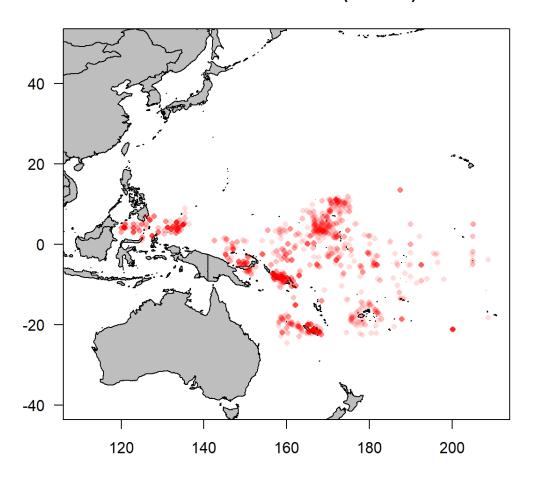
Conditional age-at-length otolith data were used in the YFT 2020 assessment

Otoliths provide information useful for estimating a growth curve, internal or external of the stock assessment model





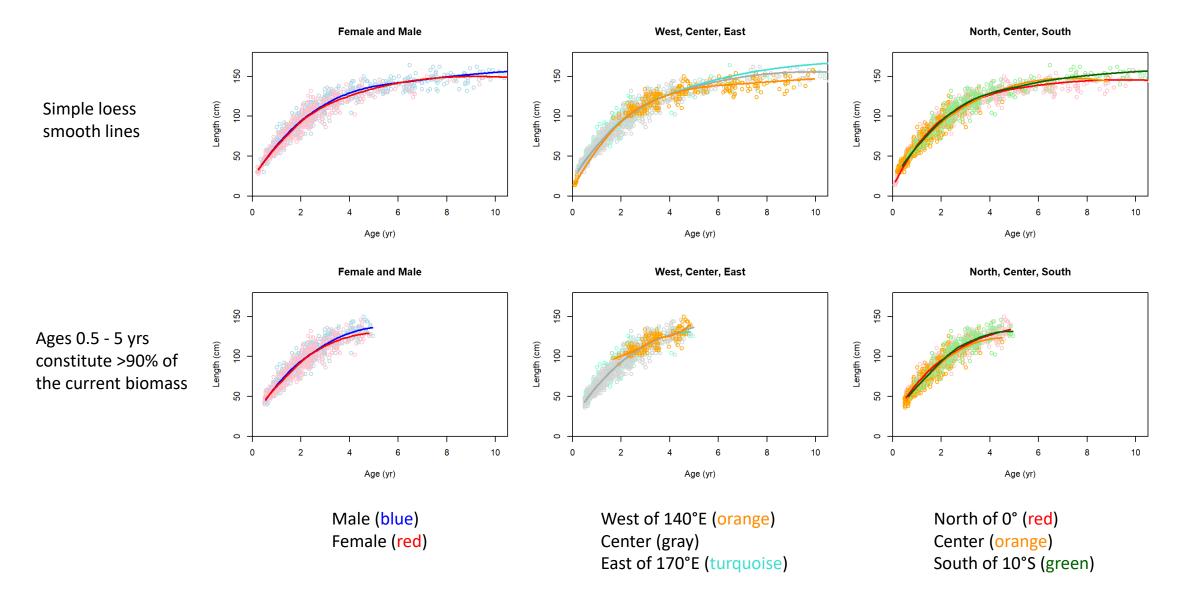
## YFT otolith locations (n=1471)



| Year | Count |
|------|-------|
| 2009 | 29    |
| 2010 | 155   |
| 2011 | 59    |
| 2012 | 1     |
| 2013 | 117   |
| 2014 | 364   |
| 2015 | 298   |
| 2016 | 168   |
| 2017 | 133   |
| 2018 | 147   |

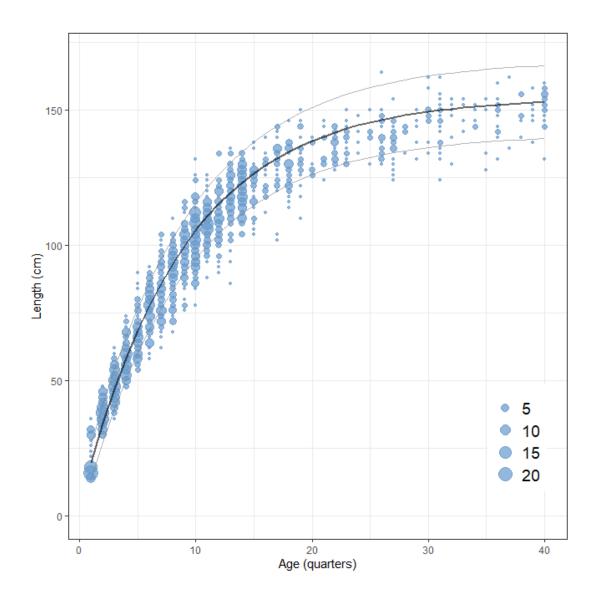






## **Growth Curve**





Von Bertalanffy curve internally estimated in the YFT 2020 assessment