Getting growth increments data out of SmartDots

Daniel Ricard - DFO Science Gulf Region

2023-02-01 - TESA Workshop

SmartDots reporting

 \bullet SmartDots provides two options for reporting : a report and a dataset

Growth increments

 The coordinates of annotation can be used to compute the distance between points

Biological intercept

• The article by Campana (1998) provides the background to compute a biological intercept

Growth trajectories

 We now have an age-length pair for each year in the life of the fish individual from which the otolith was removed

Campana, S.E. 1998. How reliable are growth back-calculations based on otoliths? Can. J. Fish. Aquat. Sci 47: 2219–2227.