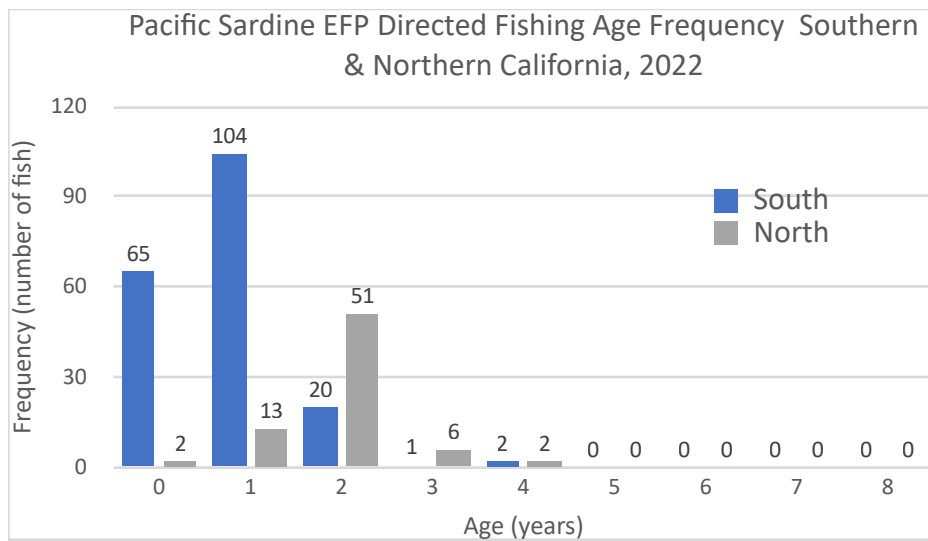
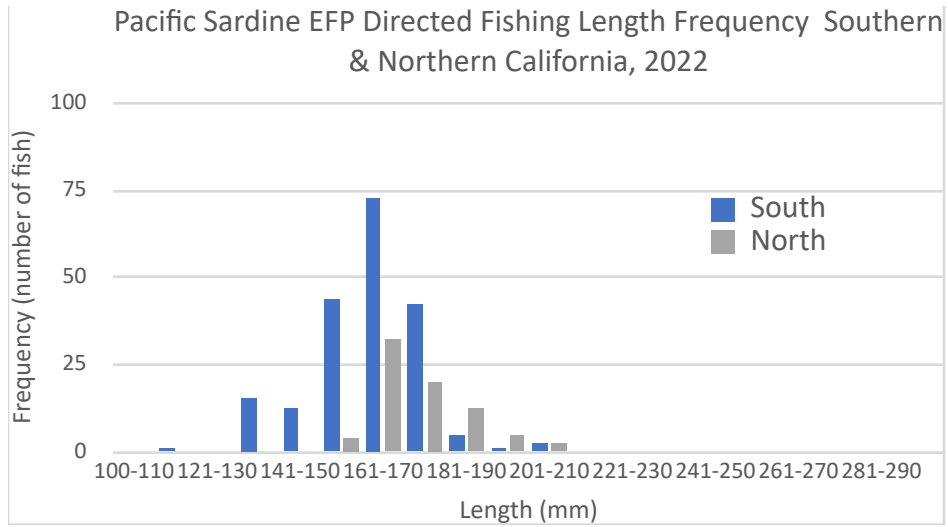


BIOLOGICAL DATA COLLECTED FROM DIRECTED FISHING EFP



POINT SET EFP CAPTURES SARDINE SCHOOLS TO VALIDATE SPOTTER PILOT OBSERVED ESTIMATES IN CDFW AERIAL SURVEY

Appendix 2. 2010 point set photographs. Note the typical schooling pattern of CPS in nearshore waters in CA. Individual schools break away from the shoaling fish for a short period, and often outrun the vessel in the capture attempt. In the picture on the left, F/V Eileen approaches 20-ton sardine school in 2010 summer aerial survey. In the picture on the right, FV Eileen in process of wrapping school. This was a 100% capture point set.



Figure A1. . Survey biomass calibration curve used for 2021 central subpopulation of northern anchovy tock assessment (Kuriyama et al. 2022) for Spotter 1. Linear regression model and parameter estimates, based on aerial school biomass estimated by Spotter 1 and purse seine point sets collected during the 2010 and 2018-20 nearshore NCS off Southern California and Monterey.

