

Rattails

Observer bycatch data (% of total catch weight):

1. MEC – all rattails <1.0%, JAV appears to be the most common
2. 7A – all rattails <0.2%, biggest range of species, WHX appears to be the most common
3. NWR – all rattails 3.7%, CSU appears to be the most common
4. ESR – all rattails 1.0%, JAV appears to be the most common

Literature

Anderson (2011) Estimates discards from the orange roughy fisheries from 1990-91 to 2008-09. Most rattails are discarded (see text and Appendix 1).

Stevens et al. (2010) Age, growth and biomass trends of four rattail bycatch species are estimated: two saddle, Bollon's, javelin fish and ridge-scaled. Maximum ages respectively were, 15 years, 24, 13, and 42. Maximum observed age estimates were 15 years for two saddle rattail, 24 years for Bollons's rattail, 13 years for javelinfish, and 42 years for ridge-scaled rattail. Preliminary estimates respectively of female length and age at first maturity were: 31cm and 2yrs, 34cm and 3, 35cm and 3 and 56cm and 11. Javelinfish showed an estimated constant rate of increase of 6% of biomass per year.

ODriscoll et al. (2011) Biomass trends and mean length trends are given for a number of rattail species from Chatham Rise trawl surveys from 1992 to 2010. See Table 7, ODriscoll et al. (2010) with additional detail in species appendices. **Results**

Livingston et al. (2003) Table 18 found upward trends in rattail relative abundance in the orange roughy fishery from trawl surveys and CPUE data combined on the NW and S Chatham Rise and a downward trend on the NE Chatham Rise over the period 1989-90 to 1998-99.