

## Chimaeras (including longnose)

### Observer bycatch data (% of total catch weight):

1. MEC – all chimaeras = 0.3%, GSP and LCH respectively account for most of this
2. 7A – all chimaeras = 0.1%, RCH and GSP respectively account for most of this
3. NWR – all chimaeras = 0.8%, LCH and GSP respectively account for most of this
4. ESR – all chimaeras = 0.3%, GSP and LCH respectively account for most of this

### Literature

**Anderson (2011)** Estimates discards from the orange roughy fisheries from 1990-91 to 2008-09. Most chimaeras are discarded (see text and Appendix 1). GSP is a QMS species.

**ODriscoll et al. (2011)** Biomass trends and mean length trends are given for GSP and LCH from Chatham Rise trawl surveys from 1992 to 2010. See Table 7 and Appendix 1 giving additional detail by species.

Species code	Biomass trend	Length distribution	Mean length trend
GSP	no change	multimodal	decrease
LCH	no change	bimodal	no change