



Lineage

Annual distribution of bluenose

FD0500_1; FD0501_1; FD0502_1; FD0503_1; FD0504_1

1. Electronic databases were used to generate initial maps of species distribution.
 - a. Commercial fishing returns (larger vessels): **TCEPR** database. All records from 1 October 1989 to 30 September 2005 were extracted on 17 October 2005. Data were used to estimate mean annual catch and catch rate (kilograms per kilometre towed) in 0.25 degree rectangles. Only the top five species caught are reported on these forms so information on the absence of a species is not available.
 - b. Commercial fishing returns (smaller vessels): **CELR** database. All records from 1 October 1989 to 30 June 2003 were extracted on 15–17 July 2003. Data were used to estimate mean annual catch in statistical areas. Information from statistical areas 1–10 was down-weighted because of likely mis-recording of Fishstock instead of statistical area. Only the top five species caught are reported on these forms so information on the absence of a species is not available. Most target bluenose fishing is reported on the **CELR** database. The bluenose catches reported from the Kermadec FMA, and from the Bounty Plateau are considered reliable.
 - c. Scientific observer records from larger vessels: **obs** database. All records from 1 March 1990 to 30 September 2005 and stored in the new data format were extracted on 20 October 2005. Data were used to estimate mean annual catch and catch rate (kilograms per kilometre towed), and proportion of tows that caught the species, in 0.25 degree rectangles.
 - d. Research bottom trawl records: **fish_comm** database. This database is a groomed version of the research trawl database **trawl**. All records from 2 September 1978 to 30 September 2005 were extracted on 19 May 2006. Data were used to estimate total catch, proportion of tows that caught the species, and catch rate (kilograms per kilometre towed) in 0.25 degree rectangles. Bluenose were reported from the Bounty Plateau, Pukaki Rise, and the Campbell Plateau on the **obs**, **TCEPR** and **CELR** databases, but not on the **fish_comm** database. This is probably because bluenose are less vulnerable to bottom trawl gear used in these surveys than to the midwater trawl and bottom longlining methods used by commercial fishers.
 - e. Recreational fishing database: **rec_data**. All records were extracted on 24 July 2003.
 - f. Museum of New Zealand Te Papa records of this species based on voucher specimens held in their collection were searched for distributional information that added to the distributional ranges determined from other databases.

and east coasts of the North Island, the Chatham Rise, Karitane Canyon shelf, Puysegur Bank, and the west coast South Island. The known depth range is 100–1112 m.

5. References

The following sources provided useful information on the distribution of this species. This is not an exhaustive list of all references to the species.

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