

**Nadi, Fiji**  
June 18-20, 1997

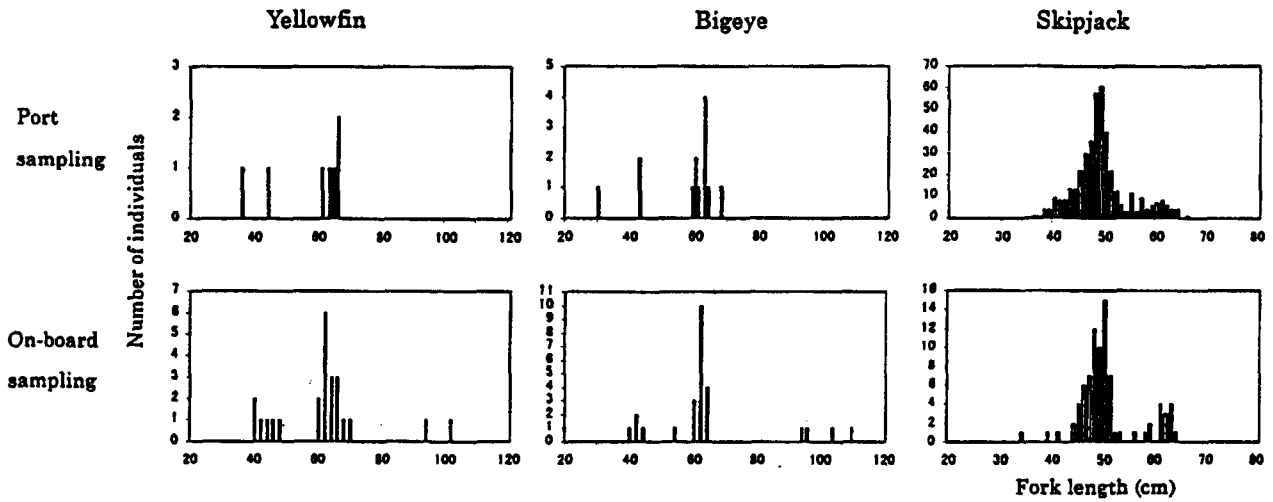
COMPARISON IN FISH LENGTH FREQUENCY DISTRIBUTION OF PURSE SEINE CATCHES

BETWEEN THE DATA COLLECTED BY PORT SAMPLING AND ON-BOARD OBSERVERS

Takayuki Matsumoto

Working paper for the 7th Meeting of the Western Pacific Yellowfin Tuna Research Group,  
Nadi, Fiji, June 18 - 20, 1997.

Operated on November 12th 1996, 2.22N, 165.58E, FAD school.



Operated on October 23th 1996, 11.35N, 133.28E, log school.

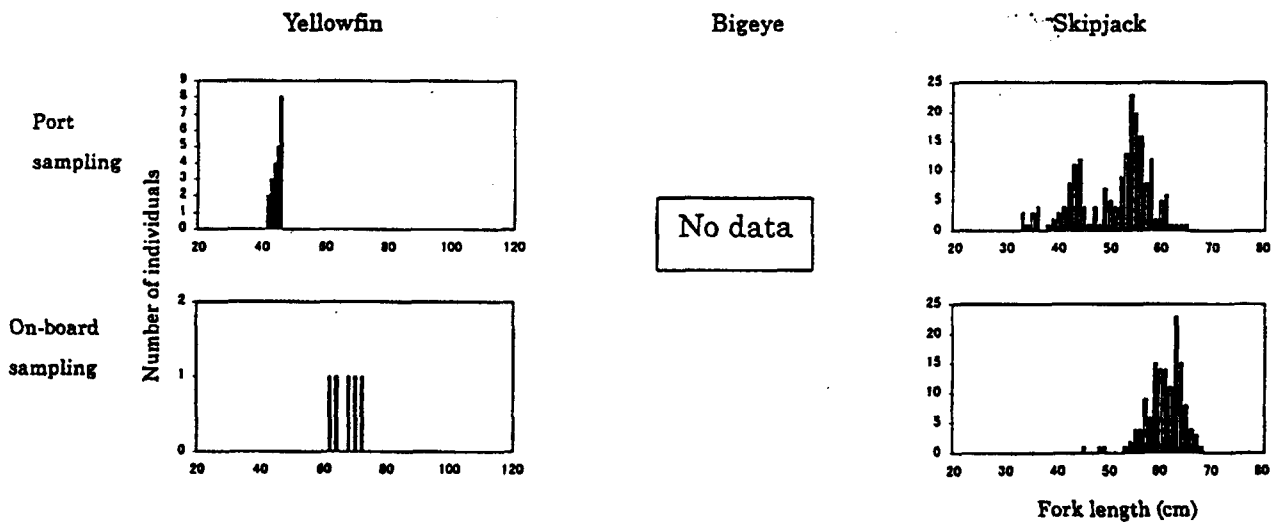
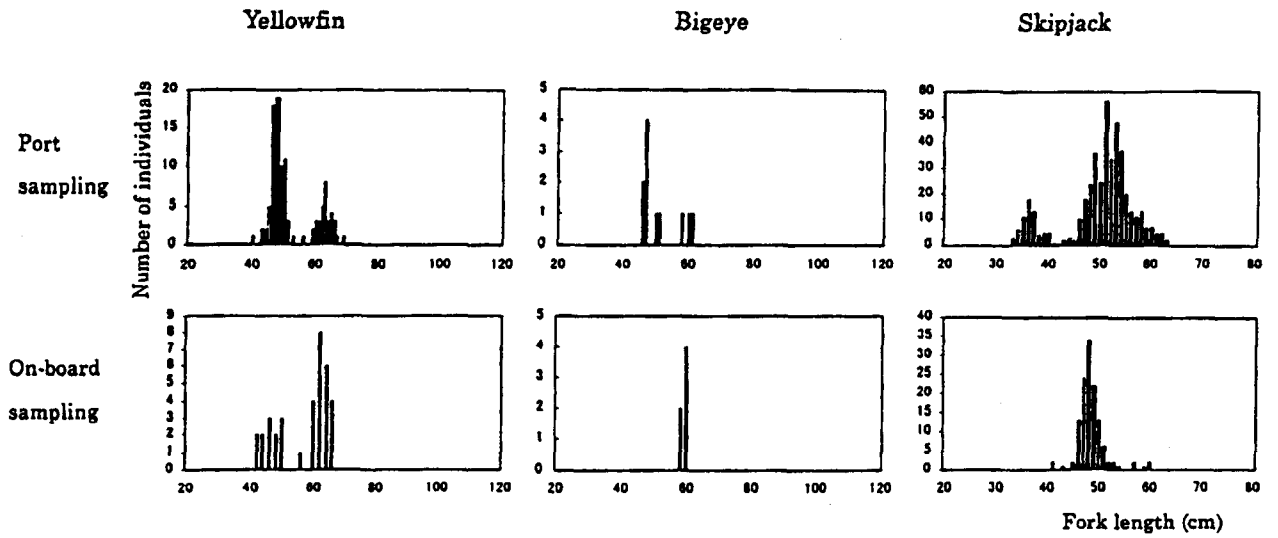


Fig.1 The comparison of length frequencies between port sampling and on-board sampling data. Every data set denotes the same operation.

Operated on January 2nd 1997, 2.21S, 169.03E, FAD school.



Operated on December 30th 1996, 0.35S, 169.54E, FAD school.

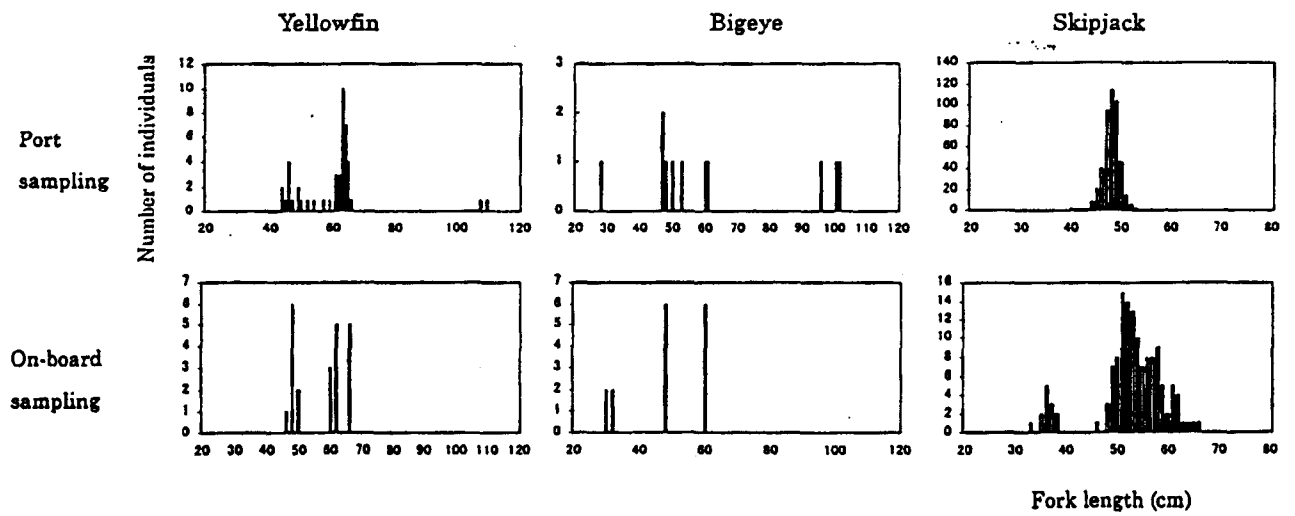
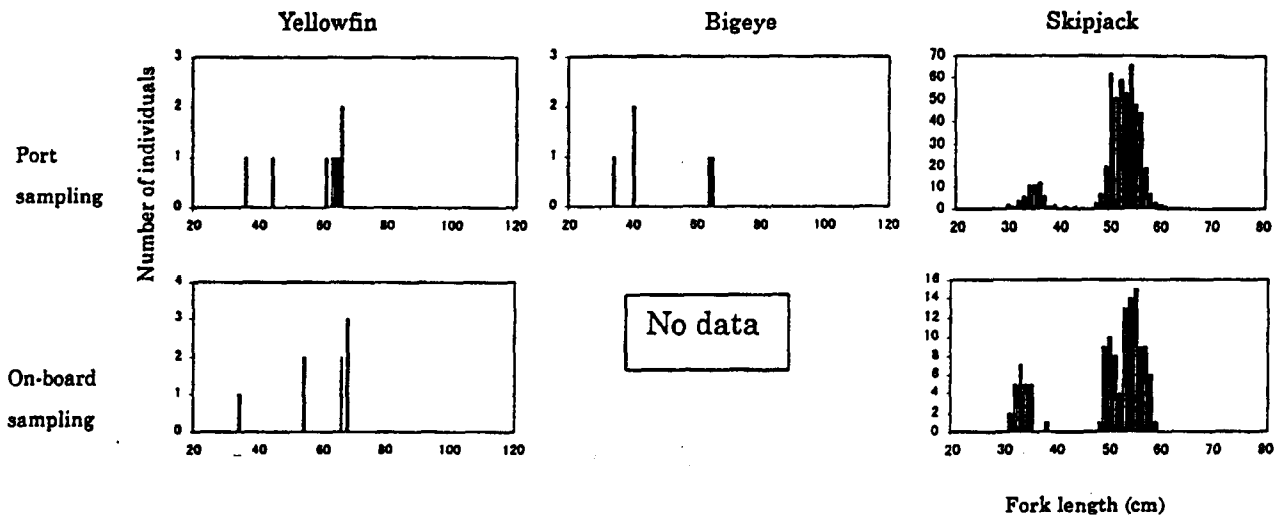


Fig.1 Continued

Operated on October 30th 1995, 1.58N, 165.24E, log school.



Operated on October 26th 1996, 11.30N, 136.42E, log school.

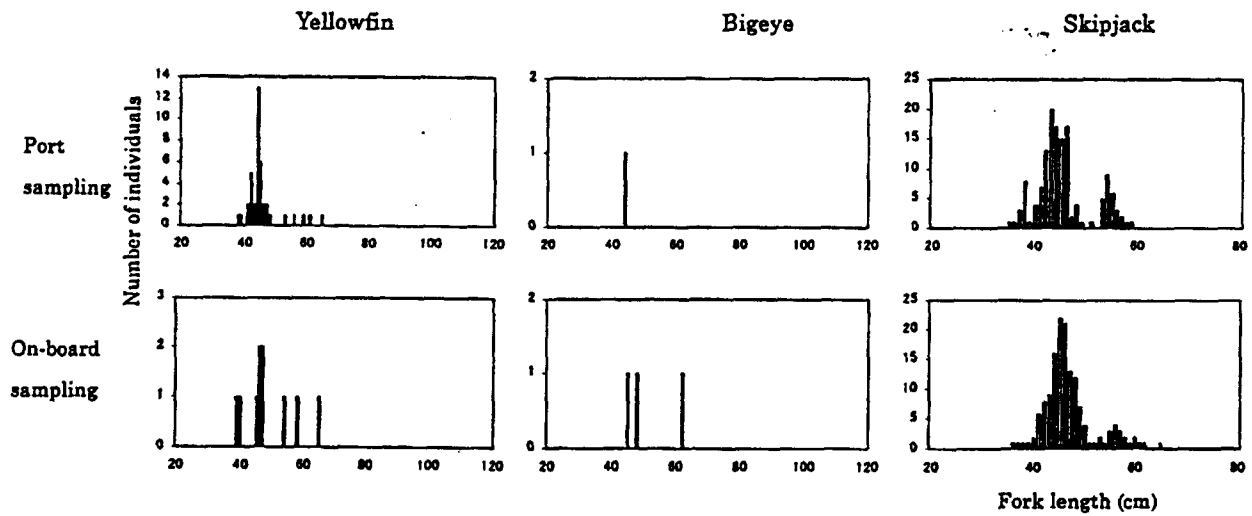


Fig.1 Continued

Operated on November 10th 1996, 3.45N, 138.68E, log school.

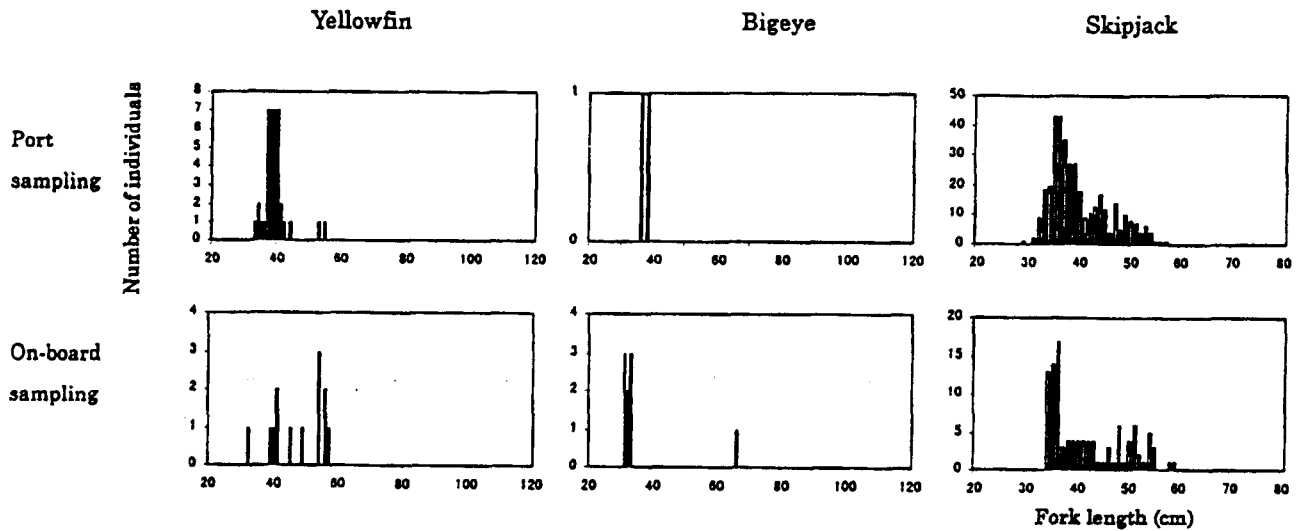


Fig.1 Continued

Table 1 The results of Kolmogorov-Smirnov test. The figures show the number of data sets.

(a) 1% significance level

	yellowfin	bigeye	skipjack	total
not significantly different	3	2	3	8
significantly different	4	1	4	9
total	7	3	7	17

(b) 5% significance level

	yellowfin	bigeye	skipjack	total
not significantly different	3	2	1	6
significantly different	4	1	6	11
total	7	3	7	17