

北太平洋中西部におけるヨシキリザメに対する調査用流し網の網目選択性

著者	吉満 友野, 東海 正, 米崎 史郎, 清田 雅史
雑誌名	日本水産学会誌
巻	84
号	1
ページ	23-31
発行年	2018-01
権利	(c) 2018 Japanese Society of Fisheries Science. This is the author's version of the work. It is posted here for your personal use. To cite/redistribute/reproduce this work, the Publisher's version in https://doi.org/10.2331/suisan.16-00066 should be used, and obtain permission from Publishers, if required.
科学研究費研究課題	外洋性広域回遊生物のサイズ構造における時空間変動の解明
研究課題番号	25121505
URL	http://id.nii.ac.jp/1342/00001921/

doi: <https://doi.org/10.2331/suisan.16-00066>

Table 1 Measurement of mesh size and mesh size combinations

Nominal mesh size (mm)	Number of panels			Stretched inner mesh length (mm)	
	1999, 2000, 2009	2001-2008	2010-2013	mean	(SEM)
22		2		22.02	(0.067)
29		1		27.58	(0.068)
37		1	2	36.13	(0.062)
48	3	3	3	45.52	(0.094)
55	3	3	3	52.89	(0.065)
63	3	3	3	60.63	(0.067)
72	3	3	3	69.42	(0.114)
82	3	3	3	79.21	(0.052)
93	3	3	3	90.37	(0.058)
106	3	3	3	104.30	(0.066)
121	3	3	3	117.79	(0.076)
138	3	3	3	135.28	(0.091)
157	3	3	3	152.43	(0.094)
115	20	16	18	111.71	(0.064)

Drift net of 115 mm mesh size was commercially used for catching salmon.

Fifty meshes were measured for each mesh size.

SEM, Standard error of mean.

Table 2 Curve parameters and AIC values

	Normal	Log-normal
Curve parameters		
R_0 (SE)	5.03 (0.37)	5.83 (0.09)
σ (SE)	3.43 (0.35)	0.31 (0.02)
AIC	2865.8	2739.0

SE, Standard error.

Table 3 Regression lines between precaudal length and girth at each body position

Regression equation	Coefficient of determination
$G_m = 0.250l + 40.3$	0.74
$G_p = 0.420l - 11.0$	0.90
$G_{max} = 0.469l - 24.9$	0.84
$G_d = 0.441l - 20.1$	0.85

l , precaudal length (mm).

G_m , girth (mm) at the posterior end of mouth aperture.

G_p , girth (mm) at the anterior end of the base of pectoral fin.

G_{max} , maximum girth (mm).

G_d , girth (mm) at the anterior end of the base of the first dorsal fin.