

Supplementary Table 3. Parameters used in computing prey consumption of Steller sea lions (*Eumetopias jubatus*) in northwestern Washington during 2010–2013, their sampling distribution, range, mean, standard deviation, and source used for the data. Subtitles are printed in italic.

Parameter	Distribution	Uniform Range	μ or shape 1	SD, size, or shape 2	Source
<i>Steller sea lion haulout non-pup count – n</i>					
Winter	Negative binomial		539.00	24.27	This study
Spring	Negative binomial		644.69	18.87	This study
Summer	Negative binomial		744.47	68.93	This study
Fall	Negative binomial		825.11	6.38	This study
<i>Winter demographics – p</i>					
% Juvenile	Beta		45.87	67.11	This study
% Adult Female	Beta		8.19	12.81	This study
% Adult Male	Beta		5.90	22.87	This study
<i>Spring demographics – p</i>					
% Juvenile	Beta		10.42	14.04	This study
% Adult Female	Beta		8.72	14.29	This study
% Adult Male	Beta		5.88	24.26	This study
<i>Summer demographics – p</i>					
% Juvenile	Beta		32.17	46.68	This study
% Adult Female	Beta		16.38	46.38	This study
% Adult Male	Beta		14.14	28.72	This study
<i>Fall demographics – p</i>					
% Juvenile	Beta		64.80	93.24	This study
% Adult Female	Beta		7.10	11.43	This study
% Adult Male	Beta		2.32	8.88	This study
<i>Juvenile sex proportions – s</i>					
% Female	None		54.40%		Wright et al., 2017
% Male	None		45.60%		Wright et al., 2017
<i>Proportion of population hauled out – Correction factor $f = 1/\text{proportion hauled out}$</i>					
Fall, winter, spring	Normal		36.0%	7.56%	Olesiuk, 2018
Summer	Normal		67.4%	3.77%	Olesiuk, 2018
<i>Body weight – w</i>					
Juvenile female	Uniform	89 - 195 kg			Winship et al., 2001
Juvenile male	Uniform	125 - 286 kg			Winship et al., 2001
Adult female	Uniform	195 - 305 kg			Winship et al., 2001
Adult male	Uniform	286 - 681 kg			Winship et al., 2001

Parameter	Distribution	Uniform Range	μ or shape 1	SD, size, or shape 2	Source
<i>Male daily consumption of body weight – c</i>					
96-182 kg	Uniform	8-9% w			Winship et al., 2006
182-310 kg	Uniform	6-7% w			Winship et al., 2006
310-455 kg	Uniform	5-6% w			Winship et al., 2006
455-623 kg	Normal		4% w	1% w	Winship et al., 2006
623-725 kg	Uniform	3-4% w			Winship et al., 2006
<i>Female daily consumption of body weight – c</i>					
97-152 kg	Uniform	8-9% w			Winship et al., 2006
152-194 kg	Uniform	7-8% w			Winship et al., 2006
194-223 kg	Uniform	6-7% w			Winship et al., 2006
223-272 kg	Normal		5% w	1% w	Winship et al., 2006

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