Suppl. Table 2: Parameters used in computing prey consumption of Steller sea lions for northwestern Washington, their sampling distribution, range, mean, standard deviation and source used for the data. Subtitles are printed in italic.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Distribution | Uniform Range | | μ | sd/size | Source | |
| *Steller sea lion haulout non-pup count – n* | | | |  |  |  | |
| 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 | |
| *Winter Demographics – p* | |  | |  |  |  | |
| % Juvenile | Normal |  | | 40.60% | 4.60% | This study | |
| % Adult Female | Normal |  | | 39.00% | 10.40% | This study | |
| % Adult Male | Normal |  | | 20.50% | 7.40% | This study | |
| *Spring Demographics – p* | |  | |  |  |  | |
| % Juvenile | Normal |  | | 42.60% | 9.80% | This study | |
| % Adult Female | Normal |  | | 37.90% | 9.90% | This study | |
| % Adult Male | Normal |  | | 19.50% | 7.10% | This study | |
| *Summer Demographics – p* | |  | |  |  |  | |
| % Juvenile | Normal |  | | 40.80% | 5.50% | This study | |
| % Adult Female | Normal |  | | 26.10% | 5.50% | This study | |
| % Adult Male | Normal |  | | 33.00% | 7.10% | This study | |
| *Fall Demographics – p* | |  | |  |  |  | |
| % Juvenile | Normal |  | | 41.00% | 3.90% | This study | |
| % Adult Female | Normal |  | | 38.30% | 11.00% | This study | |
| % Adult Male | Normal |  | | 20.70% | 11.60% | This study | |
| *Juvenile sex proportions – s* | |  | |  |  |  | |
| % Female | None |  | | 54.40% |  | Wright et al., 2017 | |
| % Male | None |  | | 45.60% |  | Wright et al., 2017 | |
| *Haulout Count Correction Factors – k* | | |  | |  | |  |
| Fall, winter, spring | Normal |  | | 2.78 | 0.06 | Olesiuk, 2018 | |
| Summer | Normal |  | | 1.48 | 0.0831 | Olesiuk, 2018 | |
| *Body Weight – w* |  |  | |  |  |  | |
| 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 | |
| *Male daily consumption of body weight – c* | | | |  |  |  | |
| 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 | |
| *Female daily consumption of body weight – c* | | | |  |  |  | |
| 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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