Suppl. Table 1: Parameters used in computing prey consumption of California 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 |
| *California sea lion abundance – n* | |  |  |  |  |
| Winter haulout count | Negative binomial |  | 153.62 | 4.86 | This study |
| Spring haulout count | Negative binomial |  | 419.33 | 4.09 | This study |
| Summer haulout count | Negative binomial |  | 349.30 | 0.61 | This study |
| Fall haulout count | Negative binomial |  | 1573.62 | 3.13 | This study |
| Haulout count Correction factor – *k* | Uniform | 1.77-2.13 |  |  | Lowry and Forney, 2005 |
| Body weight – *w* | Normal |  | 252.90 kg | 60.62 kg | Wright et al., 2010, Gearin et al., 2017 |
| *Individual daily consumption of body weight* – *c* | | | |  |  |
| Sea lion of 73-139 kg | Uniform | 6-7% *w* |  |  | Winship et al., 2006 |
| Sea lion of 139-220 kg | Uniform | 5-6% *w* |  |  | Winship et al., 2006 |
| Sea lion of 220-318 kg | Uniform | 4-5% *w* |  |  | Winship et al., 2006 |
| Sea lion of 318-370 kg | Normal |  | 4% *w* | 1% *w* | Winship et al., 2006 |

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