**S1 Table. Mean and maximum distance between Steller sea lion locations and natal rookery during the breeding season.** Values are mean distance, (95% confidence intervals), maximum distance (km), and sample size.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sex | Age | Forrester + Hazy | W. Sisters + Graves | PWSa | Chiswell | Sugarloaf | Marmot | Ugamak |
| F | 1 | 159(144,172) 490, 273 | 76(57,96)292, 77 | 416(242,590)698, 14 | 67(43,91)280, 45 | 192(142,243)923, 61 | 180(109,251)1040,73 | 109(77,141)587, 62 |
|  | 2 | 182(165,200)585, 197 | 96(78,115)292, 78 | 281(170,393)698, 29 | 63(34,92)280, 36 | 259(148,370)947, 32 | 202(112,291)1016, 52 | 161(93,228)587, 45 |
|  | 3 | 143(125,162)1095, 213 | 84(62,106)751, 88 | 315(150,479)698, 16 | 50(27,73)206, 43 | 269(181,357)1001, 39 | 237(134,340)1119, 50 | 127(83,171)587, 76 |
|  | 4 | 83(70,96)435, 260 | 44(29,59)260, 85 | 257(158,355)698, 35 | 41(18,64)206, 41 | 148(87,209)923, 46 | 124(52,195)1016, 53 | 55(23,87)587, 93 |
|  | 5 | 46(34,58)429, 199  | 41(26,55)260, 88 | 214(110,318)698, 34 | 13(0,29)206, 34 | 122(62,183)991, 52 | 151(76,226)962, 51 | 47(13,82)587, 67 |
|  | 6 | 51(38,63)490, 200 | 39(21,56)355, 75 | 76(20,131)698, 44 | 19(0,39)206, 29 | 97(49,144)435, 39 | 148(51,245)1016, 39 | 42(13,71)587, 59 |
|  | 7 | 61(45,78)490, 157 | 59(38,80)355, 77 | 99(34,164)698, 41 | 32(0,63)173, 17 | 137(52,222)991, 39 | 102(18,186)1016, 41 | 35(10,61)587,55 |
|  | 8 | 66(48,83)490, 171 | 53(24,81)751, 63 | 112(43,181)698, 45 | 173(--,--)173,1 | 101(30,172)991, 42 | 155(63,247)1016, 41 | 63(9,117)587, 31 |
|  | 9 | 57(39,74)490, 164 | 45(24,66)355, 71 | 116(39,194)698, 34 | 173(--,--)173,1 | 66(24,109)435, 38 | 192(67,316)937, 25 | 75(9,142)587, 29 |
|  | 10 | 44(27,61)490, 141 | 47(24,70)260, 37 | 37(0,82)619, 28 |  | 119(47,191)991, 43 | 118(13,224)937, 26 | 210(42,378)587, 11 |
|  | 11 | 47(29,65)364, 109 | 39(2,76)355, 23 | 61(0,146)619, 21 |  | 29(0,66)336, 25 | 92(15,170)451, 17 | 195(0,444)587, 7 |
|  | 12 | 39(16,62)355, 56 | 24(0,50)219, 23 | 17(0,39)131, 13 |  | 87(0,182)923, 22 | 102(29,175)375, 17 |  |
|  | 13 | 17(2,32)224, 47 |  | 0(0,0)0, 6 |  | 58(0,124)336, 16 | 509(0,5953)937, 2 |  |
|  | 14 |  |  |  |  | 23(0,72)294, 13 | 254(0,728)937, 5 |  |
| M | 1 | 255(221,288)2270, 262 | 203(142,263)1955, 77 | 350(150,550)1992, 29 | 55(29,80)233, 37 | 249(193,306)1138, 91 | 156(107,205)994, 84 | 144(114,174)844, 109 |
|  | 2 | 354(303,404)1470, 152 | 145(119,170)834, 78 | 232(120,343)921, 26 | 205(55,355)847, 19 | 250(177,323)1194, 46 | 287(169,404)1280, 46 | 288(206,370)844, 42 |
|  | 3 | 438(360,517)2370, 117 | 201(145,256)1129, 66 | 287(0,576)921, 9 | 129(46,213)847, 35 | 447(330,564)1204, 46 | 408(247,570)1957, 37 | 286(219,353)587, 61 |
|  | 4 | 397(323,470)2836, 147 | 201(119,283)2260, 65 | 193(83,303)921, 25 | 156(53,259)846, 32 | 459(326,593)1194, 32 | 294(93,495)1633, 24 | 271(198,344)587, 61 |
|  | 5 | 336(251,422)2836, 108 | 128(70,186)2218, 87 | 168(58,278)645, 16 | 3(0,6)13, 16 | 249(115,383)947, 25 | 343(101,585)1633, 25 | 230(170,290)587, 84 |
|  | 6 | 185(146, 224)2270, 160 | 106(56,156)2260, 97 | 115(46,184)645, 31 | 14(0,34)162, 17 | 254(74,434)923, 11 | 389(0,818)1633, 13 | 97(42,152)587, 53 |
|  | 7 | 186(144,227)1054, 127 | 112(44,180)2260,79 | 45(20,69)131, 16 | 7(0,19)35, 7 | 225(42,407)947, 14 | 150(15,286)966, 24 | 54(13,94)587, 39 |
|  | 8 | 171(129,213)1033, 104 | 71(42,100)751, 77 | 81(13,149)645, 21 | 16(0,60)35, 3 | 203(0,423)1001, 10 | 224(48,399)1170, 22 | 122(24,220)587, 22 |
|  | 9 | 169(132,207)1204, 107 | 79(18,140)2260, 75 | 91(0,197)645, 17 | 12(0,62)35, 3 | 203(16,390)1001, 12 | 200(0,450)937, 11 | 132(51,213)587, 32 |
|  | 10 | 100(67,133)435, 72 | 60(3,118)751, 27 | 61(0,136)645, 18 |  | 207(0,758)1001, 5 | 234(0,597)937, 8 | 170(8,332)587, 10 |
|  | 11 | 118(45,192)1204, 40 | 24(1,47)81, 13 | 20(0,74)98, 5 |  | 368(0,1109)1001, 4 | 156(0,558)937, 6 | 137(0,370)587, 6 |
|  | 12 | 125(50,201)435, 18 | 34(12,57)81, 12 | 63(0,156)131, 4 |  | 331(0,854)1001, 6 | 247(0,612)971, 8 | 587(--,--)587, 1 |
|  | 13 | 283(0, 570)1204, 9 |  |  |  |  | 937(--,--)927, 1 |  |

a PWS = Prince William Sound