

APPENDIX 1

Thick-billed murre colony comparison of male and female body size. Sexual size dimorphism index (SSD) in bold indicate values > 3.00.

Morphometrics	Weight (g)			Tarsus (mm)			Wing cord (mm)			Head and Bill (mm)			Culmen (mm)		
	Male	Female	SSD	Male	Female	SSD	Male	Female	SSD	Male	Female	SSD	Male	Female	SSD
PACIFIC															
Bogoslof I. ^a	1038 ± 73 (15)	1003 ± 54 (17)	- 0.75	40.1 ± 1.4 (15)	38.9 ± 2.5 (17)	3.08	223 ± 7 (15)	224 ± 5 (17)	-0.44	1145 ± 2.7 (15)	111 ± 3.4 (17)	3.42	42.1 ± 2.1 (15)	40.1 ± 1.8 (17)	4.98
St. George I. ^a	998 ± 61 (29)	960 ± 65 (53)	4.27	38.9 ± 1.7 (29)	37.8 ± 1.3 (53)	2.91	223 ± 6 (29)	222 ± 4 (53)	0.45	112 ± 3.3 (29)	110 ± 2.9 (53)	1.91	41.1 ± 2.1 (29)	39.8 ± 2.0 (53)	3.26
St. Paul I. ^a	1184 ± 101 (29)	1106 ± 96 (36)	7.65	40.7 ± 1.8 (29)	39.0 ± 1.9 (36)	4.35	227 ± 6 (29)	226 ± 5 (36)	0.44	117 ± 3.2 (29)	113 ± 2.4 (36)	3.07	42.8 ± 2.6 (29)	41.6 ± 2.0 (36)	2.88
Cape Thompson ^b	975 ± 69.9 (79)	949 ± 72.8 (60)	2.73	37.2 ± 1.8 (80)	36.4 ± 1.5 (59)	2.19	223 ± 6.4 (80)	223 ± 6.5 (59)	0.17	-	-		38.3 ± 2 (79)	37.6 ± 1.9 (58)	1.86
BEAUFORT															
Cape Parry ^c	978.8 ± 70 (37)	994.7 ± 71.8 (16)	- 1.59	46.6 ± 1.8 (37)	44.9 ± 1.3 (16)	3.78	214 ± 6.1 (37)	212 ± 6.3 (16)	0.89	106 ± 2.8 (37)	103 ± 2.2 (16)	2.80	37.5 ± 2.4 (37)	35.7 ± 1.9 (16)	5.04
ATLANTIC															
Prince Leopold I. ^d	992 (82)	881 (48)	4.65	-	-	-	216 ± 6.04 (85)	215 ± 5.4 (50)	0.36	-	-	-	35.1 ± 1.7 (86)	33.3 ± 3.9 (49)	5.74
Coat Is. ^e	1013 ± 61.2 (156)	1005 ± 61.1 (133)	0.79	-	-	-	212 ± 4.9 (156)	211 ± 5.8 (133)	0.37	-	-	-	36.3 ± 1.2 (156)	35.1 ± 1.2 (133)	3.41
Digges Sound ^f	972 ± 91.8 (94)	993 ± 98.9 (53)	- 1.76	-	-	-	217 ± 5.7 (122)	216 ± 6 (83)	0.27	-	-	-	34.8 ± 1.9 (127)	33.8 ± 1.9 (84)	2.95
Akpatok ^f	842 ± 56.5 (10)	821 ± 56.9 (11)	1.73	-	-	-	207 ± 6.9 (10)	208 ± 5 (11)	-0.71	-	-	-	35.2 ± 1.7 (10)	34.6 ± 2.0 (11)	2.52
Kippaku ^g	941 ± 56.9 (27)	936 ± 45.7 (13)	0.50	-	-	-	219 ± 11.7 (27)	217 ± 6.1 (13)	0.73	-	-	-	34.2 ± 1.5 (27)	33.7 ± 1.5 (13)	1.18
Gannet I. ^h	950 ± 70.1 (39)	906 ± 58.5 (45)	4.85	-	-	-	213 ± 5.7 (39)	211 ± 5.3 (45)	0.85	-	-	-	34.8 ± 2 (39)	33.2 ± 2 (45)	4.81

^a Orben et al., 2015; ^b Swartz 1966; ^c This study; ^d Gaston & Nettleship 1981; ^e Ibaguchi et al., 2012; ^f Gaston et al., 1984; ^g Huffeldt et al., 2021; ^h Paredes & Insley 2010. Colony listed on longitudinal order from west to east. Means ± SD.