

APPENDIX 1. MEASUREMENTS (IN MM) AND SAMPLE STATISTICS FOR MALE SAVANNAH SPARROWS (*Ammodramus sandwicensis*)

Locality	Skull length				Skull width				Premaxilla length				Premaxilla depth			
	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.
	Sable Is., N.S.	29.7	23	28.4-31.0	0.61	15.2	24	14.3-15.7	0.31	6.4	23	5.6-7.0	0.34	3.8	24	3.5-4.0
Halifax, N.S.	27.7	10	27.1-28.8	0.53	14.5	10	14.1-14.9	0.27	5.9	12	5.3-6.4	0.38	3.5	12	3.4-3.6	0.09
River John, N.S.	27.6	29	26.2-28.4	0.57	14.4	31	13.8-15.0	0.36	5.8	31	5.2-6.5	0.36	3.5	29	3.2-3.6	0.12
Pasadena, NFLD	27.9	11	27.3-28.7	0.49	14.5	12	14.2-14.8	0.20	5.9	12	5.2-6.5	0.37	3.5	12	3.3-3.6	0.11
Parson's Pond, NFLD	27.7	13	26.8-28.2	0.41	14.5	13	14.0-15.1	0.33	5.8	13	5.5-6.2	0.23	3.5	13	3.4-3.8	0.13
Bedeque, P.E.I.	25.6	26	26.7-28.8	0.60	14.3	27	13.6-15.1	0.31	5.8	26	5.4-6.5	0.30	3.5	26	3.2-3.7	0.13
St. Andrews, N.B.	27.7	21	26.5-28.7	0.64	14.4	24	13.7-14.8	0.26	6.0	21	5.2-6.7	0.49	3.5	21	3.2-3.9	0.16
Matane, QUE	27.6	28	26.8-28.5	0.47	14.4	28	14.0-14.8	0.26	5.8	29	5.2-6.5	0.31	3.5	29	3.2-3.9	0.13
Magdalen Is., QUE	27.9	27	27.0-29.0	0.41	14.5	29	14.0-14.8	0.20	6.1	27	5.2-6.6	0.30	3.6	29	3.4-3.9	0.10
Kuujuuaq, QUE	27.8	20	26.9-28.6	0.42	14.3	23	14.0-14.7	0.22	6.0	21	5.5-6.6	0.27	3.4	23	3.2-3.7	0.13
MA and eastern NY	27.6	10	26.9-28.2	0.38	14.3	11	14.0-14.7	0.20	5.7	10	5.3-5.9	0.21	3.4	10	3.3-3.6	0.11
Brandonville, WV	27.2	22	26.3-27.8	0.40	14.2	24	13.5-14.7	0.26	5.9	23	5.4-6.5	0.28	3.4	24	3.2-3.6	0.11
Wildfield, ON	27.6	41	27.0-28.5	0.41	14.3	41	13.9-14.7	0.20	5.8	41	5.2-6.8	0.33	3.5	43	3.1-3.7	0.13
Pickering, ON	27.3	14	26.6-28.1	0.46	14.3	15	14.1-14.9	0.20	5.8	14	5.3-6.2	0.28	3.4	15	3.1-3.6	0.17
Wallaceburg, ON	27.5	40	26.5-28.8	0.52	14.3	40	13.7-14.8	0.28	5.9	40	5.3-6.4	0.30	3.4	40	3.2-3.7	0.14
Sowerby, ON	27.4	24	26.5-28.0	0.43	14.2	24	13.7-14.7	0.24	5.8	24	5.4-6.2	0.23	3.4	25	3.3-3.7	0.12
Cochrane, ON	27.2	31	26.2-28.1	0.47	14.3	34	13.9-14.6	0.19	5.7	32	5.3-6.2	0.29	3.4	35	3.0-3.7	0.16
Moosonee, ON	27.4	43	26.2-28.3	0.49	14.4	48	13.6-15.0	0.28	5.9	46	5.3-6.4	0.29	3.4	49	3.2-3.7	0.11
Attawapiskat, ON	27.6	36	26.8-28.6	0.50	14.4	39	14.0-14.8	0.23	5.9	37	5.2-6.5	0.34	3.4	38	3.2-3.7	0.12
Winnisk, ON	27.5	38	26.2-28.5	0.59	14.4	46	13.9-15.0	0.25	5.9	40	5.3-6.6	0.33	3.4	45	3.1-3.7	0.14
Thunder Bay, ON	27.5	16	26.2-28.6	0.67	14.3	16	13.7-14.9	0.31	5.7	16	4.7-6.3	0.41	3.3	16	3.1-3.6	0.15
Delta, MAN	26.8	38	25.4-28.3	0.53	13.9	39	13.2-14.5	0.28	5.6	38	4.9-6.1	0.29	3.4	39	3.0-3.7	0.10
The Pas, MAN	27.2	22	26.2-28.1	0.56	14.3	22	13.6-14.6	0.23	5.8	22	5.1-6.3	0.30	3.4	22	3.2-3.5	0.17
Gillam, MAN	27.7	18	26.6-28.5	0.56	14.5	19	13.8-15.5	0.35	5.8	18	5.3-6.3	0.24	3.4	19	3.2-3.7	0.12
Churchill, MAN	27.5	29	26.7-28.6	0.46	14.2	30	13.7-15.0	0.31	5.8	29	4.9-6.4	0.35	3.3	29	3.1-3.6	0.13
Coppermine, N.W.T.	27.5	26	26.3-28.8	0.65	14.2	28	13.8-14.7	0.25	5.9	26	5.2-6.6	0.31	3.4	26	3.1-3.7	0.14
Norman Wells, N.W.T.	27.5	20	26.9-28.2	0.38	14.2	22	13.7-14.5	0.23	5.6	20	5.2-6.1	0.25	3.4	22	3.2-3.6	0.13
Inuvik, N.W.T.	27.6	10	26.6-28.2	0.58	14.2	11	13.8-14.6	0.23	5.9	11	5.3-6.3	0.26	3.2	13	3.0-3.5	0.15
Whitehorse, Yukon T.	27.5	10	26.7-28.0	0.47	14.3	10	13.7-14.7	0.30	5.8	11	5.3-6.2	0.38	3.3	11	3.2-3.5	0.11
Maple Creek, SASK	26.7	20	25.7-27.7	0.54	13.9	23	13.4-14.6	0.28	5.6	20	4.9-6.2	0.31	3.4	24	3.0-3.8	0.16
Courval, SASK	27.0	13	26.4-27.5	0.36	14.0	14	13.6-14.5	0.26	5.7	13	5.2-6.0	0.28	3.4	14	3.1-3.5	0.11
Milk River, ALTA	26.7	29	25.5-28.2	0.55	13.9	29	13.6-14.4	0.24	5.7	28	4.9-6.2	0.29	3.4	29	3.1-3.7	0.15
Grande Prairie, ALTA	26.7	30	25.6-28.4	0.58	14.1	32	13.7-14.7	0.22	5.5	31	4.8-6.1	0.30	3.4	31	3.1-3.7	0.14
Koyuk, AK	27.2	15	26.2-27.8	0.52	14.1	15	13.8-14.3	0.17	5.5	15	5.1-6.0	0.26	3.1	15	2.9-3.5	0.17
Fairbanks, AK	27.2	20	26.6-28.2	0.40	14.1	20	13.8-14.5	0.19	5.6	20	5.1-6.1	0.27	3.3	21	3.0-3.5	0.14

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Locality	Skull length					Skull width					Premaxilla length					Premaxilla depth				
	Mean	N	Range	S.D.		Mean	N	Range	S.D.		Mean	N	Range	S.D.		Mean	N	Range	S.D.	
Wasilla, AK	27.4	27	26.8-28.1	0.39	14.3	27	13.8-14.6	0.20	5.7	27	5.3-6.2	0.23	3.2	27	3.0-3.4	0.11				
Umnak Is., AK	29.7	29	28.7-30.9	0.53	15.4	30	14.5-16.4	0.43	6.7	29	6.0-7.2	0.32	3.9	29	3.7-4.1	0.12				
Cold Bay, AK	29.4	12	28.5-30.2	0.52	15.1	15	14.7-15.7	0.27	6.6	12	6.1-7.1	0.31	3.9	15	3.7-4.2	0.14				
Port Heiden, AK	28.4	12	26.8-29.1	0.63	14.6	16	14.2-15.0	0.24	6.3	12	5.6-6.7	0.32	3.6	16	3.4-3.9	0.17				
Middleton Is., AK	28.9	29	27.8-29.9	0.63	14.9	29	14.5-15.8	0.27	6.5	29	5.9-7.0	0.26	3.8	29	3.5-4.1	0.14				
Sheridan, WY	27.0	32	25.9-28.0	0.51	13.9	33	13.2-14.5	0.31	5.8	33	5.1-6.3	0.31	3.3	32	3.1-3.5	0.12				
Woodruff, UT	26.9	46	25.6-27.9	0.49	14.0	48	13.5-14.5	0.24	5.6	46	5.0-6.3	0.34	3.3	48	2.9-3.5	0.12				
Elberta, UT	26.7	18	25.7-27.5	0.51	13.9	19	13.4-14.1	0.20	5.6	19	5.0-6.1	0.30	3.3	17	3.1-3.5	0.13				
Halleck, NV	26.7	26	25.2-27.8	0.55	13.9	29	13.2-14.2	0.26	5.7	29	5.9-6.4	0.31	3.2	29	2.9-3.5	0.15				
Alamo, NV	26.3	6	25.8-26.7	0.33	13.7	6	13.2-14.1	0.34	5.4	6	5.0-5.7	0.25	3.2	6	3.0-3.4	0.14				
Creston, WA	26.8	31	25.6-27.9	0.51	14.0	33	12.8-14.5	0.32	5.5	33	4.9-6.2	0.26	3.2	34	3.0-3.5	0.14				
Hoquiam, WA	27.0	18	26.0-27.8	0.52	14.2	19	13.8-14.7	0.25	5.4	18	4.8-6.1	0.37	3.3	18	3.0-3.6	0.17				
Owen's Lake, CA	26.4	16	24.8-27.4	0.63	14.0	20	12.8-14.2	0.36	5.5	19	5.2-5.9	0.22	3.2	20	2.8-3.4	0.15				
Eureka, CA	27.5	25	26.5-28.3	0.50	14.4	25	13.9-14.8	0.22	5.7	25	4.9-6.4	0.36	3.4	26	3.2-3.8	0.15				
Morro Bay, CA	27.4	17	26.3-28.2	0.65	14.1	17	13.8-14.6	0.22	5.8	17	5.0-6.7	0.44	3.3	17	3.1-3.5	0.10				
San Diego, CA	27.7	19	26.3-28.7	0.58	14.2	19	13.8-14.5	0.21	6.1	19	5.6-6.8	0.33	3.5	20	3.2-3.8	0.17				
Bahia San Quintin, B.C.N.	28.3	17	27.5-28.8	0.43	14.4	21	13.9-14.9	0.24	6.5	17	6.1-7.0	0.28	3.5	19	3.2-3.7	0.13				
Guerrero Negro, B.C.S.	28.9	31	27.7-30.3	0.64	14.6	32	14.0-15.3	0.29	6.9	32	6.2-7.6	0.39	3.6	34	3.3-3.9	0.13				
Bahia Magdalena, B.C.S.	29.4	15	28.2-30.3	0.66	14.7	15	14.4-15.3	0.26	7.1	15	6.4-7.5	0.37	3.9	15	3.5-4.2	0.21				
Puerto Peñasco, Sonora	29.4	9	28.7-38.0	0.43	14.7	9	14.5-15.1	0.19	7.2	9	6.7-8.0	0.40	4.0	9	3.8-4.2	0.11				
Bahia Kino, Sonora	30.0	21	29.1-30.8	0.50	14.9	21	14.4-15.4	0.25	7.6	21	6.6-8.4	0.39	4.0	21	3.8-4.3	0.15				
El Molino, Sinaloa	30.1	16	29.0-31.0	0.54	14.9	16	14.5-15.2	0.24	7.6	16	7.0-8.2	0.41	4.1	16	3.7-4.4	0.19				
Charco Redondo, Jalisco	26.8	15	26.0-27.7	0.53	14.1	16	13.6-14.7	0.28	5.6	15	5.3-6.2	0.26	3.4	16	3.1-3.6	0.18				
Lerma, México	27.4	20	26.7-28.6	0.51	14.4	21	14.0-14.8	0.20	5.8	20	5.4-6.5	0.30	3.5	21	3.3-3.8	0.15				

APPENDIX 1. CONTINUED

Locality	Narial width			Premaxilla width			Inter-orbital width			Mandibular length						
	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.				
Sable Is., N.S.	7.2	24	6.5-7.8	0.27	5.8	24	5.5-6.0	0.13	2.8	24	2.3-3.2	0.19	20.5	24	19.8-21.6	0.49
Halifax, N.S.	6.9	12	6.5-7.3	0.24	5.3	12	4.9-5.6	0.19	2.5	11	2.0-3.0	0.23	18.8	10	18.2-19.7	0.45
River John, N.S.	6.9	30	6.3-7.3	0.29	5.2	28	4.9-5.7	0.22	2.8	31	2.3-3.6	0.28	18.4	29	17.2-19.3	0.5
Pasadena, NFLD	6.9	11	6.6-7.4	0.26	5.4	12	5.0-5.6	0.22	2.7	11	2.5-3.1	0.19	18.9	10	18.3-19.5	0.45
Parson's Pond, NFLD	6.7	13	6.2-7.3	0.34	5.4	13	5.1-5.7	0.21	2.7	13	2.3-3.1	0.22	18.7	12	18.0-19.6	0.44
Bedeque, P.E.I.	6.8	26	6.4-7.5	0.24	5.2	26	4.9-5.5	0.20	2.7	27	2.2-3.1	0.22	18.5	25	17.2-19.5	0.58
St. Andrews, N.B.	6.8	24	6.5-7.3	0.23	5.3	21	5.0-5.6	0.18	2.7	24	2.3-3.0	0.21	18.8	19	17.6-19.7	0.50
Matane, QUE	6.8	29	6.3-7.3	0.22	5.3	29	4.9-5.7	0.17	2.5	29	2.1-2.9	0.18	18.6	27	17.4-19.2	0.24
Magdalen Is., QUE	6.8	29	6.3-7.5	0.31	5.3	29	5.0-5.6	0.18	2.7	29	2.4-3.2	0.19	19.0	28	18.2-19.6	0.39
Kuujuaq, QUE	6.7	21	6.1-7.3	0.25	5.2	23	5.0-5.5	0.16	2.6	23	2.1-3.2	0.24	18.9	21	17.6-19.5	0.45
MA and eastern NY	6.7	11	6.1-7.1	0.30	5.2	10	4.7-5.7	0.30	2.8	11	2.5-3.0	0.16	18.7	10	18.0-19.5	0.46
Brandonville, WV	6.8	25	6.2-7.6	0.30	5.2	24	4.7-5.7	0.22	2.6	24	2.1-3.0	0.19	18.2	24	17.2-18.7	0.42
Wildfield, ON	6.8	42	6.2-7.3	0.28	5.2	42	4.8-5.7	0.21	2.7	43	2.4-3.2	0.21	18.4	40	17.3-19.1	0.40
Pickering, ON	6.8	15	6.3-7.3	0.32	5.2	15	4.9-5.5	0.19	2.7	15	2.4-3.0	0.23	18.5	13	17.8-19.3	0.44
Wallaceburg, ON	6.9	40	6.1-7.2	0.25	5.2	40	5.0-5.6	0.18	2.7	38	2.3-3.1	0.16	18.4	37	17.7-19.0	0.36
Sowterby, ON	6.7	25	6.2-7.1	0.22	5.2	25	4.8-5.6	0.17	2.6	25	2.3-2.9	0.18	18.4	24	17.6-19.1	0.40
Cochrane, ON	6.7	32	6.2-7.1	0.23	5.1	33	4.7-5.5	0.21	2.6	32	2.3-3.0	0.17	18.3	33	17.1-19.0	0.48
Moosonee, ON	6.8	49	6.2-7.3	0.25	5.2	49	4.6-5.6	0.22	2.7	50	2.3-3.1	0.22	18.4	43	17.3-19.5	0.47
Attawapiskat, ON	6.7	38	6.2-7.4	0.25	5.2	38	4.9-5.6	0.16	2.7	38	2.4-3.2	0.22	18.5	37	17.8-19.3	0.41
Wintisk, ON	6.6	47	5.9-7.5	0.29	5.1	43	4.8-5.6	0.19	2.6	46	2.2-3.0	0.19	18.5	40	17.5-19.4	0.54
Thunder Bay, ON	6.7	16	6.3-7.1	0.24	5.2	16	4.9-5.6	0.20	2.6	16	2.2-3.0	0.24	18.5	15	17.3-19.4	0.63
Delta, MAN	6.6	39	6.0-7.2	0.26	5.1	39	4.8-5.5	0.16	2.5	39	2.2-3.0	0.19	18.0	38	17.0-18.8	0.45
The Pas, MAN	6.7	22	6.2-7.3	0.27	5.2	22	4.9-5.5	0.14	2.6	22	2.3-2.9	0.19	18.2	22	17.6-19.3	0.42
Gillam, MAN	6.6	19	6.3-7.2	0.25	5.3	19	5.0-5.6	0.18	2.5	19	2.2-2.8	0.16	18.5	18	17.4-19.5	0.59
Churchill, MAN	6.5	29	6.0-7.1	0.29	5.1	29	4.7-5.6	0.23	2.6	30	2.2-2.9	0.21	18.4	28	17.6-19.2	0.43
Coppermine, N.W.T.	6.3	28	5.6-7.1	0.33	4.9	27	4.5-5.3	0.18	2.4	28	1.9-2.8	0.24	18.5	23	17.7-19.9	0.56
Norman Wells, N.W.T.	6.6	22	6.1-7.1	0.25	5.0	21	4.8-5.3	0.14	2.5	22	2.1-2.7	0.16	18.4	21	17.6-19.1	0.42
Inuvik, N.W.T.	6.5	12	5.9-7.1	0.35	5.1	13	4.8-5.3	0.16	2.4	14	2.1-2.8	0.21	18.4	14	17.6-19.3	0.51
Whitehorse, Yukon T.	6.5	10	6.1-6.9	0.24	5.0	11	4.6-5.4	0.25	2.6	10	2.1-2.8	0.23	18.6	11	17.7-19.7	0.61
Maple Creek, SASK	6.6	23	6.0-7.2	0.31	5.1	24	4.8-5.5	0.19	2.5	24	2.3-3.0	0.21	17.9	24	16.9-18.7	0.45
Courval, SASK	6.5	14	6.0-7.1	0.33	5.2	13	4.9-5.7	0.22	2.5	14	2.2-2.8	0.18	18.0	13	17.3-18.4	0.38
Milk River, ALTA	6.5	29	5.9-7.0	0.29	5.0	29	4.7-5.5	0.19	2.5	29	2.2-2.9	0.16	17.9	26	17.3-18.7	0.36
Grande Prairie, ALTA	6.5	31	6.0-7.0	0.24	5.1	32	4.7-5.4	0.19	2.5	31	2.1-3.1	0.24	17.9	28	17.3-19.1	0.39
Koyuk, AK	6.4	13	6.1-6.9	0.22	4.9	15	4.6-5.1	0.15	2.4	15	2.2-2.6	0.14	18.3	15	17.6-18.9	0.34
Fairbanks, AK	6.5	21	6.0-7.0	0.27	5.1	21	4.8-6.1	0.27	2.4	21	2.0-2.7	0.18	18.1	21	16.9-19.0	0.47

APPENDIX 1. CONTINUED

Locality	Narial width				Premaxilla width				Inter-orbital width				Mandibular length			
	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.
Wasilla, AK	6.5	27	6.0-6.9	0.24	5.0	27	4.7-5.4	0.15	2.5	26	2.2-2.9	0.18	18.4	25	17.9-19.3	0.34
Umnak Is., AK	7.3	29	6.6-8.0	0.36	6.0	29	5.6-6.6	0.23	2.8	30	2.3-3.3	0.25	20.4	29	19.6-20.5	0.49
Cold Bay, AK	7.0	15	6.6-7.5	0.29	5.7	15	5.3-6.3	0.28	2.	15	2.3-3.0	0.22	20.0	14	19.1-21.3	0.66
Port Heiden, AK	6.8	16	6.3-7.3	0.29	5.3	15	5.0-5.6	0.15	2.6	16	2.1-3.0	0.22	19.3	14	18.3-19.9	0.42
Middleton Is., AK	6.9	29	6.6-7.4	0.23	5.5	29	5.2-5.7	0.14	2.8	29	2.4-3.1	0.19	19.9	28	18.9-20.8	0.48
Sheridan, WY	6.6	32	5.8-7.2	0.37	5.1	31	4.7-5.8	0.23	2.6	33	2.1-2.8	0.19	18.0	31	17.1-18.9	0.47
Woodruff, UT	6.6	48	6.1-7.1	0.22	4.9	48	4.5-5.3	0.19	2.6	48	2.1-3.1	0.25	18.0	47	17.0-19.1	0.46
Elberta, UT	6.5	18	5.7-7.0	0.30	4.9	19	4.4-5.3	0.24	2.6	19	2.3-2.8	0.17	17.7	17	16.3-18.2	0.56
Halleck, NV	6.4	30	5.8-6.8	0.28	4.9	28	4.3-5.4	0.27	2.5	30	2.0-2.9	0.22	17.7	28	16.7-18.7	0.54
Alamo, NV	6.3	6	6.0-6.5	0.19	4.9	6	4.5-5.3	0.30	2.4	6	2.3-2.5	0.08	17.5	4	16.8-18.0	0.55
Creston, WA	6.4	33	5.9-6.9	0.27	5.0	34	4.5-5.6	0.23	2.5	33	2.1-4.6	0.43	17.8	30	15.4-18.7	0.66
Hoquiam, WA	6.6	18	6.3-7.2	0.23	5.0	19	4.7-5.4	0.20	2.6	19	2.3-2.9	0.18	17.9	17	17.3-18.7	0.40
Owen's Lake, CA	6.4	19	5.9-7.0	0.29	4.9	19	4.7-5.3	0.17	2.5	20	2.0-3.0	0.28	17.7	18	17.2-18.6	0.39
Eureka, CA	6.7	25	6.1-7.4	0.28	5.2	26	4.8-5.6	0.17	2.5	26	2.1-2.9	0.23	18.5	26	17.5-19.4	0.41
Morro Bay, CA	6.3	17	6.0-6.6	0.19	5.2	16	4.9-5.5	0.15	2.6	17	2.3-2.9	0.16	18.6	17	17.4-19.2	0.52
San Diego, CA	6.5	20	5.7-6.9	0.27	5.2	20	4.9-5.6	0.19	2.6	20	2.2-2.9	0.19	18.9	19	18.1-19.9	0.55
Bahia San Quintin, B.C.N.	6.4	20	6.1-6.8	0.18	5.3	18	5.0-5.6	0.15	2.6	21	2.2-3.0	0.20	19.5	12	18.7-20.1	0.46
Guerrero Negro, B.C.S.	6.7	33	5.9-7.1	0.33	5.6	34	5.2-6.1	0.23	2.7	34	2.3-3.1	0.22	19.9	30	19.1-21.2	0.43
Bahia Magdalena, B.C.S.	7.2	15	6.7-7.7	0.31	5.8	15	5.3-6.2	0.24	2.8	15	2.4-3.3	0.23	20.3	11	19.1-21.1	0.55
Puerto Peñasco, Sonora	7.1	8	6.7-7.3	0.20	6.0	8	5.6-6.4	0.26	2.8	9	2.6-3.2	0.19	20.5	8	20.1-20.9	0.31
Bahia Kino, Sonora	7.1	21	6.0-7.6	0.34	6.0	19	5.7-6.3	0.15	3.0	21	2.5-3.5	0.24	20.9	19	20.0-21.6	0.41
El Molino, Sinaloa	7.3	16	6.8-7.8	0.27	5.9	16	5.6-6.5	0.26	3.1	16	2.7-3.4	0.21	21.0	15	20.0-21.5	0.42
Charco Redondo, Jalisco	6.7	16	6.2-7.2	0.25	5.1	16	4.7-5.4	0.21	2.7	15	2.5-2.9	0.12	17.9	14	17.0-18.7	0.43
Lerma, México	6.8	21	6.1-7.2	0.26	5.5	21	5.1-5.7	0.15	2.8	21	2.3-3.3	0.27	18.5	20	17.7-19.5	0.51

APPENDIX 1. CONTINUED

Locality	Gonys			Mandible depth			Coracoid length			Scapula length				
	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.		
Sable Is., N.S.	5.5	24	4.7-6.3	0.34	2.1	22	1.9-2.3	0.09	18.9	24	17.9-19.7	0.48	20.4-23.4	0.66
Halifax, N.S.	5.1	10	4.5-5.6	0.33	1.9	11	1.8-2.0	0.08	18.0	12	17.3-18.5	0.37	19.3-21.0	0.52
River John, N.S.	4.9	30	4.2-5.3	0.29	2.0	28	1.8-2.1	0.07	17.5	31	16.2-18.6	0.55	18.9-21.9	0.77
Pasadena, NFLD	5.1	9	4.7-5.7	0.31	1.9	9	1.8-2.1	0.09	17.5	10	16.9-18.1	0.40	19.6-20.6	0.33
Parson's Pond, NFLD	5.1	13	4.6-5.6	0.29	1.9	13	1.8-2.1	0.10	17.7	13	16.9-18.4	0.49	19.0-21.1	0.61
Bedeque, P.E.I.	4.9	25	4.5-5.5	0.24	1.9	22	1.8-2.0	0.07	17.3	26	16.5-18.2	0.46	18.6-20.6	0.46
St. Andrews, N.B.	5.1	19	4.7-5.7	0.28	2.0	17	1.8-2.1	0.09	17.5	24	16.8-18.6	0.42	18.4-21.2	0.72
Matane, QUE	5.0	28	4.4-5.4	0.25	1.9	29	1.8-2.0	0.07	17.3	29	16.4-18.5	0.50	18.7-20.6	0.50
Magdalen Is., QUE	5.2	28	4.8-6.1	0.26	1.9	27	1.8-2.0	0.06	17.7	29	17.1-18.5	0.38	19.5-21.4	0.54
Kuujuuaq, QUE	5.2	21	4.6-5.7	0.27	1.9	22	1.8-2.0	0.08	17.6	22	17.1-18.5	0.47	19.1-21.1	0.52
MA and eastern NY	5.0	10	4.7-5.4	0.21	1.9	9	1.8-2.1	0.09	17.5	11	16.9-18.0	0.31	19.6-20.6	0.28
Brandonville, WV	4.7	24	4.2-5.1	0.23	1.9	24	1.7-2.1	0.10	17.2	25	16.4-17.9	0.46	18.7-20.7	0.55
Wildfield, ON	4.8	40	4.2-5.4	0.29	1.9	39	1.8-2.1	0.07	17.3	43	16.2-18.3	0.50	18.1-21.0	0.65
Pickering, ON	5.0	13	4.7-5.2	0.14	1.9	13	1.8-2.0	0.08	17.4	15	16.5-18.2	0.44	18.9-20.5	0.50
Wallaceburg, ON	4.9	36	4.4-5.4	0.26	1.9	38	1.8-2.2	0.09	17.4	39	16.7-18.3	0.40	18.5-20.8	0.48
Sowerby, ON	4.9	24	4.2-5.4	0.33	1.9	25	1.8-2.0	0.07	17.3	25	16.3-18.1	0.48	18.9-21.1	0.53
Cochrane, ON	4.9	33	4.4-5.4	0.23	1.9	31	1.6-2.0	0.09	17.3	34	16.6-18.1	0.37	19.0-21.1	0.47
Moosonee, ON	5.0	47	4.2-5.9	0.32	1.9	47	1.7-2.2	0.10	17.6	48	16.2-18.5	0.49	18.5-21.7	0.61
Attawapiskat, ON	5.1	37	4.5-5.7	0.31	1.9	38	1.7-2.0	0.08	17.7	38	17.0-18.5	0.39	19.1-20.0	0.50
Witisk, ON	5.0	42	4.2-5.5	0.29	1.9	42	1.7-2.0	0.07	17.6	46	16.9-18.7	0.41	19.1-21.2	0.54
Thunder Bay, ON	4.8	15	4.1-5.6	0.44	1.9	15	1.8-2.0	0.06	17.3	16	16.6-18.0	0.41	18.8-20.8	0.51
Delta, MAN	4.6	38	4.1-4.9	0.22	1.8	39	1.6-1.9	0.07	17.2	34	16.3-18.2	0.37	17.9-20.6	0.51
The Pas, MAN	4.8	22	4.4-5.3	0.25	1.8	21	1.7-1.9	0.07	17.1	22	16.6-17.8	0.36	19.4	0.68
Gillam, MAN	4.9	18	4.3-5.3	0.24	1.8	19	1.7-1.9	0.06	17.6	18	17.0-18.1	0.33	19.4-21.1	0.46
Churchill, MAN	4.8	29	4.2-5.4	0.29	1.8	27	1.7-2.0	0.06	17.4	29	16.5-18.3	0.38	18.7-21.1	0.58
Coppermine, N.W.T.	4.8	24	4.1-5.5	0.34	1.8	27	1.6-1.9	0.07	17.3	29	16.2-18.0	0.44	19.5-20.9	0.67
Norman Wells, N.W.T.	4.8	20	4.4-5.3	0.25	1.7	21	1.6-1.9	0.08	17.3	22	16.1-18.3	0.52	18.1-21.4	0.51
Inuvik, N.W.T.	4.7	13	4.0-5.5	0.45	1.8	11	1.6-1.9	0.09	17.1	13	16.1-17.9	0.49	19.0-20.7	0.52
Whitehorse, Yukon T.	5.0	11	4.5-5.7	0.37	1.8	11	1.7-1.9	0.06	17.4	9	16.7-18.1	0.50	18.8-20.8	0.70
Maple Creek, SASK	4.7	24	4.1-5.3	0.32	1.8	23	1.7-1.9	0.06	17.4	23	16.6-18.0	0.42	18.6-21.0	0.60
Courval, SASK	4.8	13	4.4-5.2	0.23	1.8	11	1.7-1.9	0.07	17.3	14	16.1-18.1	0.49	19.0-20.7	0.50
Milk River, ALTA	4.7	27	4.1-5.1	0.25	1.8	25	1.6-1.9	0.07	17.2	29	15.6-18.2	0.46	17.7-20.8	0.64
Grande Prairie, ALTA	4.6	30	4.0-5.2	0.31	1.7	31	1.6-1.9	0.08	17.2	31	16.5-18.1	0.43	18.7-20.9	0.54
Koyuk, AK	4.8	15	4.4-5.2	0.21	1.6	14	1.5-1.7	0.07	17.0	15	16.8-17.6	0.22	18.7-20.8	0.58
Fairbanks, AK	4.6	21	4.0-5.4	0.34	1.7	21	1.6-1.9	0.07	17.0	21	16.4-17.6	0.36	18.5-20.7	0.50

APPENDIX 1. CONTINUED

Locality	Femur length			Femur width			Tibiotarsus length			Tarsometatarsus length		
	Mean	N	S.D.	Mean	N	S.D.	Mean	N	S.D.	Mean	N	S.D.
Sable Is., N.S.	19.1	23	0.48	1.4	24	0.06	31.7	23	0.70	22.8	24	0.60
Halifax, N.S.	17.7	12	0.34	1.3	12	0.05	30.0	11	0.41	21.7	11	0.28
River John, N.S.	17.6	28	0.45	1.3	31	0.07	29.1	28	0.94	20.9	29	0.71
Pasadena, NFLD	17.4	10	0.37	1.3	12	0.04	29.5	11	0.81	21.5	11	0.63
Parson's Pond, NFLD	17.7	12	0.55	1.3	13	0.07	29.5	12	0.84	21.6	13	0.49
Bedeque, P.E.I.	17.6	28	0.45	1.3	31	0.07	29.1	28	0.94	20.9	29	0.71
St. Andrews, N.B.	17.4	23	0.39	1.3	23	0.06	29.0	20	0.64	20.9	22	0.38
Matane, QUE	17.2	29	0.40	1.2	29	0.07	28.6	29	0.93	20.6	24	0.69
Magdalen Is., QUE	17.6	29	0.31	1.3	29	0.05	29.6	29	0.61	21.4	28	0.47
Kujjuak, QUE	17.5	22	0.28	1.3	23	0.03	29.4	22	0.67	21.0	20	0.54
MA and eastern NY	17.7	10	0.37	1.2	11	0.03	29.4	7	0.30	21.1	10	0.39
Brandonville, WV	17.1	25	0.41	1.2	25	0.07	28.6	23	0.70	20.5	24	0.65
Wildfield, ON	17.2	42	0.40	1.3	42	0.07	28.7	40	0.74	20.7	40	0.56
Pickering, ON	17.3	15	0.43	1.2	15	0.05	28.0	13	0.50	20.9	13	0.43
Wallaceburg, ON	17.3	38	0.40	1.3	41	0.07	28.8	38	0.76	20.6	38	0.59
Sowerby, ON	17.1	25	0.44	1.3	25	0.06	28.3	22	0.69	20.6	23	0.60
Cochrane, ON	17.1	35	0.36	1.3	35	0.06	28.4	28	0.82	20.5	31	0.58
Moosonee, ON	17.3	49	0.40	1.3	50	0.06	28.8	43	0.69	20.7	47	0.63
Attawapiskat, ON	17.4	38	0.38	1.3	39	0.07	28.6	35	0.66	20.8	37	0.56
Winisk, ON	17.3	45	0.46	1.3	47	0.06	28.6	43	0.71	20.5	37	0.68
Thunder Bay, ON	17.1	15	0.24	1.2	16	0.04	28.3	13	0.80	20.3	15	0.38
Delta, MAN	17.0	39	0.40	1.2	39	0.07	27.7	37	0.80	20.0	39	0.67
The Pas, MAN	17.1	22	0.37	1.3	22	0.08	27.9	20	0.72	20.0	21	0.59
Gillam, MAN	17.2	19	0.35	1.2	19	0.05	28.6	19	0.45	20.6	19	0.28
Churchill, MAN	17.2	28	0.28	1.3	30	0.06	28.5	26	0.54	20.5	27	0.51
Coppermine, N.W.T.	17.1	29	0.31	1.2	29	0.07	28.5	27	0.58	20.5	27	0.49
Norman Wells, N.W.T.	17.0	21	0.43	1.2	22	0.06	28.5	21	0.74	20.4	21	0.60
Inuvik, N.W.T.	16.8	14	0.43	1.2	14	0.06	28.0	13	0.92	19.8	14	0.85
Whitehorse, Yukon T.	17.2	11	0.29	1.3	11	0.09	28.5	9	0.63	20.8	11	0.52
Maple Creek, SASK	17.1	22	0.34	1.3	24	0.06	27.9	22	0.77	20.1	24	0.57
Courval, SASK	17.1	14	0.44	1.3	14	0.05	28.1	12	0.87	20.2	12	0.76
Milk River, ALTA	16.9	28	0.35	1.2	29	0.08	27.5	23	0.62	20.0	27	0.65
Grande Prairie, ALTA	16.9	31	0.45	1.2	32	0.05	27.6	26	0.75	19.9	28	0.62
Koyuk, AK	16.8	15	0.36	1.2	15	0.04	28.1	15	0.45	20.3	15	0.43
Fairbanks, AK	16.7	21	0.37	1.2	21	0.06	28.0	21	0.71	20.1	18	0.62

APPENDIX 1. CONTINUED

Locality	Femur length					Femur width					Tibiotarsus length					Tarsometatarsus length					
	Mean	N	Range	S.D.		Mean	N	Range	S.D.		Mean	N	Range	S.D.		Mean	N	Range	S.D.		
Wasilla, AK	16.9	27	16.1-17.8	0.41	1.2	27	1.1-1.3	0.06	28.2	24	26.9-29.3	0.63	20.3	24	19.2-21.1	0.46					
Umnak Is., AK	18.5	29	17.4-19.0	0.36	1.4	30	1.3-1.5	0.06	30.8	29	29.2-32.2	0.75	22.3	30	21.2-23.2	0.48					
Cold Bay, AK	18.2	15	17.6-18.9	0.41	1.3	15	1.2-1.5	0.09	30.7	13	29.5-31.6	0.63	22.1	14	21.4-23.0	0.50					
Port Heiden, AK	17.6	16	17.1-18.5	0.42	1.3	16	1.2-1.4	0.08	29.6	16	28.8-31.0	0.63	21.4	16	20.6-22.8	0.65					
Middleton Is., AK	17.8	29	17.1-18.5	0.36	1.4	29	1.3-1.5	0.06	29.8	28	28.6-31.5	0.61	21.7	28	20.9-23.5	0.55					
Sheridan, WY	17.1	32	16.1-18.0	0.43	1.2	33	1.1-1.3	0.06	27.8	32	26.3-29.2	0.70	20.0	32	19.0-21.3	0.69					
Woodruff, UT	17.2	46	15.5-17.8	0.45	1.3	48	1.2-1.4	0.06	28.0	47	25.3-29.5	0.77	20.2	47	18.4-21.6	0.69					
Elberta, UT	17.0	18	15.8-17.5	0.46	1.2	18	1.2-1.3	0.05	27.8	16	26.4-29.0	0.71	20.1	18	18.4-21.0	0.65					
Halleck, NV	17.1	29	15.9-18.2	0.50	1.2	29	1.1-1.4	0.06	28.0	27	25.4-29.1	0.80	20.2	30	18.0-21.3	0.62					
Alamo, NV	16.7	6	15.6-17.6	0.70	1.2	6	1.2-1.3	0.04	27.2	6	25.2-28.4	1.22	19.5	6	18.1-21.4	0.84					
Creston, WA	17.0	34	16.4-17.8	0.34	1.2	34	1.1-1.4	0.07	27.8	33	26.4-28.7	0.59	19.9	33	19.0-20.8	0.48					
Hoquiam, WA	16.8	19	16.2-17.4	0.33	1.3	19	1.2-1.4	0.70	27.9	19	27.2-28.5	0.39	20.3	17	19.5-21.2	0.49					
Owen's Lake, CA	17.1	20	16.2-17.8	0.52	1.2	20	1.1-1.4	0.08	27.9	19	26.7-30.3	0.90	20.3	17	19.0-22.0	0.68					
Eureka, CA	17.4	26	16.2-18.1	0.44	1.2	26	1.1-1.3	0.06	28.5	26	27.8-29.7	0.47	20.5	26	19.7-21.4	0.43					
Morro Bay, CA	17.1	17	16.6-17.6	0.26	1.2	17	1.1-1.3	0.06	28.3	15	27.5-29.0	0.44	20.3	15	19.7-21.0	0.46					
San Diego, CA	17.0	19	16.3-17.6	0.41	1.2	20	1.1-1.3	0.05	28.4	19	26.9-29.6	0.78	20.3	18	19.1-21.0	0.53					
Bahia San Quintin, B.C.N.	17.2	19	16.8-18.3	0.35	1.2	21	1.1-1.2	0.05	28.5	19	27.5-29.5	0.56	20.6	21	19.8-21.5	0.50					
Guerrero Negro, B.C.S.	17.7	34	16.6-18.6	0.44	1.2	34	1.1-1.4	0.07	29.7	33	27.4-31.9	0.85	21.3	33	19.8-22.5	0.59					
Bahia Magdalena, B.C.S.	18.2	15	17.5-19.4	0.47	1.2	15	1.1-1.3	0.07	30.4	15	29.1-32.0	0.81	21.9	15	20.8-23.2	0.80					
Puerto Peñasco, Sonora	17.9	9	17.3-18.6	0.41	1.3	9	1.2-1.3	0.05	30.2	8	29.5-30.9	0.54	21.9	9	21.3-22.6	0.39					
Bahia Kino, Sonora	18.1	21	17.4-18.8	0.37	1.3	21	1.2-1.3	0.05	30.3	19	28.8-32.2	0.88	21.9	19	20.7-22.9	0.65					
El Molino, Sinaloa	18.3	16	17.6-19.3	0.41	1.3	16	1.1-1.4	0.07	30.7	16	29.7-31.8	0.63	22.1	16	21.2-22.9	0.47					
Charco Redondo, Jalisco	17.3	16	16.4-18.0	0.47	1.2	16	1.1-1.3	0.05	28.3	14	27.4-29.4	0.60	20.9	15	20.0-21.8	0.61					
Lerma, México	17.7	21	17.1-18.3	0.41	1.3	21	1.2-1.4	0.06	28.9	20	27.5-30.0	0.67	21.2	21	19.6-22.4	0.67					

APPENDIX 1. CONTINUED

Locality	Humerus length						Ulna length						Carpometacarpus length						Hallux length		
	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.	
	Wasilla, AK	18.2	27	17.4-19.0	0.38	21.5	27	20.6-22.7	0.46	11.9	26	11.5-12.3	0.22	8.0	27	7.4-8.5	0.29				
Umnak Is., AK	19.5	30	18.6-20.0	0.34	23.0	29	21.8-23.9	0.48	13.0	29	12.5-13.5	0.26	8.7	30	7.9-9.2	0.30					
Cold Bay, AK	19.3	15	18.6-20.3	0.48	22.8	15	21.9-23.5	0.51	12.9	14	12.4-13.4	0.33	8.7	14	8.1-9.2	0.30					
Port Heiden, AK	18.6	16	18.0-19.4	0.41	21.9	15	21.1-22.6	0.47	12.4	15	11.8-13.1	0.36	8.3	14	7.7-9.1	0.35					
Middleton Is., AK	19.0	29	18.4-19.7	0.35	22.5	29	2.8-23.2	0.40	12.6	29	12.1-13.1	0.29	8.4	28	8.0-9.0	0.28					
Sheridan, WY	18.4	32	17.7-19.2	0.44	21.5	33	20.6-22.5	0.43	11.9	32	11.0-12.6	0.37	7.8	30	7.3-8.2	0.24					
Woodruff, UT	18.6	48	17.5-19.5	0.43	21.7	47	20.2-23.0	0.55	18.9	43	11.1-12.6	0.37	7.9	45	7.3-8.7	0.32					
Elberta, UT	18.4	17	17.8-19.2	0.37	21.5	18	20.5-22.5	0.50	11.8	18	11.1-12.5	0.39	7.7	18	7.2-8.1	0.21					
Halleck, NV	18.5	29	17.8-19.2	0.35	21.6	29	20.5-22.6	0.53	11.8	29	11.1-12.4	0.31	7.9	27	7.4-8.5	0.25					
Alamo, NV	18.1	6	17.1-18.6	0.56	21.4	6	20.3-22.0	0.65	11.5	6	10.7-12.0	0.47	7.7	6	7.0-8.2	0.45					
Creston, WA	18.4	32	17.5-19.4	0.36	21.5	34	20.3-22.4	0.41	11.8	32	11.3-12.4	0.24	7.8	33	7.2-8.5	0.30					
Hoquiam, WA	18.1	19	17.7-18.6	0.28	21.0	16	20.5-21.5	0.35	11.6	18	11.1-12.1	0.26	8.1	18	7.4-8.6	0.34					
Owen's Lake, CA	18.5	20	17.6-19.4	0.52	21.5	20	20.6-23.3	0.67	11.7	17	11.2-12.6	0.33	7.9	19	7.5-8.5	0.28					
Eureka, CA	18.4	25	17.8-19.4	0.36	21.1	25	20.4-22.1	0.39	11.6	25	11.0-12.3	0.30	8.4	23	7.6-9.1	0.33					
Morro Bay, CA	18.1	17	17.4-18.7	0.36	20.7	17	20.1-21.3	0.31	11.5	16	11.2-11.9	0.21	7.9	16	7.6-8.3	0.20					
San Diego, CA	18.0	20	16.7-18.7	0.49	20.5	20	19.2-21.4	0.50	11.3	19	10.7-11.9	0.31	7.9	18	7.4-8.4	0.25					
Bahia San Quintin, B.C.N.	18.2	21	17.4-19.1	0.38	20.7	19	20.2-21.2	0.32	11.5	19	10.9-12.0	0.25	7.9	20	7.5-8.6	0.34					
Guerrero Negro, B.C.S.	18.4	34	17.3-19.3	0.44	21.0	34	19.6-22.6	0.53	11.7	32	11.0-12.4	0.32	8.0	33	7.6-8.5	0.22					
Bahia Magdalena, B.C.S.	18.8	15	17.9-20.1	0.51	21.6	15	20.7-22.6	0.53	11.9	14	11.2-12.5	0.33	8.2	15	7.7-9.1	0.41					
Puerto Peñasco, Sonora	18.8	9	18.3-19.2	0.31	21.9	8	21.3-22.3	0.40	12.0	9	11.6-12.4	0.30	8.0	9	7.8-8.5	0.25					
Bahia Kino, Sonora	19.0	21	18.2-19.7	0.42	21.8	21	21.1-22.6	0.44	12.0	19	11.3-12.5	0.30	8.1	20	7.5-8.5	0.28					
El Molino, Sinaloa	19.2	15	18.7-19.6	0.27	22.1	15	21.4-22.9	0.44	12.1	15	11.6-12.6	0.25	8.1	15	7.7-8.4	0.18					
Charco Redondo, Jalisco	18.6	16	17.9-19.5	0.46	21.8	15	21.0-22.6	0.47	11.6	15	11.2-12.1	0.29	8.0	15	7.4-8.6	0.37					
Lerma, México	19.1	20	18.3-19.8	0.40	22.4	20	21.2-23.2	0.49	11.9	20	10.5-12.5	0.42	8.0	18	7.5-8.4	0.25					

APPENDIX 1. CONTINUED

Locality	Sternum length				Sternum depth				Keel length				Synsacrum width			
	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.	Mean	N	Range	S.D.
	Sable Is., N.S.	23.0	23	22.0-24.2	0.57	10.8	24	10.4-11.6	0.32	22.4	23	21.1-23.9	0.73	11.8	23	10.4-13.2
Halifax, N.S.	21.2	11	20.4-22.0	0.50	10.0	11	9.1-10.6	0.42	20.5	10	19.0-21.3	0.67	10.7	11	10.3-11.2	0.30
River John, N.S.	21.0	30	19.7-22.5	0.73	9.6	29	8.7-10.7	0.51	20.2	29	18.9-21.6	0.78	10.7	29	9.5-11.4	0.42
Pasadena, NFLD	20.8	12	20.1-21.4	0.36	9.3	12	8.9-9.8	0.26	19.8	12	18.4-20.8	0.77	10.8	10	10.1-11.1	0.31
Parson's Pond, NFLD	20.9	13	19.7-22.2	0.66	9.3	13	8.5-10.0	0.43	20.1	13	18.9-21.2	0.76	10.7	13	9.7-11.3	0.46
Bedeque, P.E.I.	20.6	27	19.1-21.6	0.61	9.4	26	8.6-10.4	0.47	19.8	26	18.2-21.2	0.64	10.7	26	10.1-11.3	0.31
St. Andrews, N.B.	20.8	24	19.7-22.1	0.60	9.5	23	8.6-10.2	0.38	19.9	23	17.4-21.12	0.94	10.7	24	10.3-11.1	0.26
Matane, QUE	20.6	28	19.2-22.1	0.60	9.4	29	8.5-10.6	0.50	20.0	28	18.2-21.7	0.70	10.6	28	10.1-11.3	0.32
Magdalen Is., QUE	20.9	28	19.2-21.8	0.63	9.5	28	9.0-10.0	0.31	19.9	29	18.5-21.0	0.65	10.8	29	10.4-11.3	0.25
Kuujuuaq, QUE	20.9	21	20.1-21.7	0.44	9.6	2	9.1-10.4	0.32	20.1	21	19.2-20.9	0.56	10.8	23	10.1-11.5	0.37
MA and eastern NY	20.7	10	19.9-21.6	0.54	9.7	10	9.4-10.1	0.20	19.9	10	19.2-20.9	0.51	10.6	10	10.3-11.0	0.29
Brandonville, WV	20.5	25	18.7-23.1	0.83	9.3	25	8.6-10.7	0.48	19.7	25	18.3-21.0	0.81	10.6	23	10.0-11.0	0.29
Wildfield, ON	20.7	41	19.5-22.5	0.67	9.4	40	8.8-10.6	0.42	20.0	42	18.5-21.7	0.74	10.5	42	9.7-11.1	0.28
Pickering, ON	20.6	15	19.7-21.3	0.49	9.6	15	8.8-10.0	0.33	19.8	15	18.7-20.5	0.52	10.5	14	9.9-11.2	0.37
Wallaceburg, ON	20.7	40	19.6-21.7	0.59	9.4	39	8.7-10.1	0.36	20.0	40	18.5-21.3	0.73	10.7	38	10.0-11.1	0.26
Sowterby, ON	20.4	25	19.2-21.6	0.49	9.2	25	8.6-9.6	0.29	19.8	25	18.9-20.5	0.47	10.4	25	9.9-11.0	0.33
Cochrane, ON	20.6	32	19.5-21.4	0.50	9.5	32	8.5-10.3	0.34	20.0	32	18.7-21.8	0.71	10.4	33	9.9-11.0	0.28
Moosonee, ON	20.9	49	19.3-22.3	0.62	9.6	47	8.8-10.3	0.39	20.1	46	18.3-22.4	0.80	10.7	48	10.0-11.5	0.34
Attawapiskat, ON	20.9	38	19.7-22.3	0.60	9.6	37	8.8-10.5	0.42	20.2	38	18.2-21.6	0.70	10.7	37	10.2-11.4	0.32
Winisk, ON	20.8	42	19.6-22.6	0.61	9.7	37	9.0-10.4	0.39	20.1	36	18.6-22.2	0.89	10.6	39	9.9-11.1	0.29
Thunder Bay, ON	20.1	16	19.3-21.2	0.56	9.3	15	8.7-9.8	0.31	19.5	15	18.2-20.7	0.60	10.4	16	10.1-11.0	0.22
Delta, MAN	20.4	36	19.6-21.3	0.43	9.3	38	8.4-10.2	0.37	19.7	36	18.3-21.3	0.75	10.4	37	9.8-10.9	0.27
The Pas, MAN	20.2	21	19.5-21.3	0.53	9.2	21	8.5-10.0	0.38	19.6	22	18.5-20.5	0.53	10.4	22	9.9-10.9	0.31
Gillam, MAN	20.7	17	19.9-22.1	0.62	9.5	17	8.9-10.4	0.37	20.0	19	18.6-21.6	0.70	10.6	19	10.1-11.4	0.30
Churchill, MAN	20.7	29	19.7-23.2	0.70	9.2	29	8.7-9.6	0.24	19.8	30	18.6-21.3	0.67	10.7	29	9.8-11.3	0.28
Coppermine, N.W.T.	20.4	28	19.1-21.6	0.58	9.1	27	8.5-10.0	0.34	19.4	27	17.7-20.7	0.87	10.6	27	9.9-10.3	0.34
Norman Wells, N.W.T.	20.3	19	19.5-21.3	0.47	9.3	20	8.4-10.0	0.42	19.8	20	18.5-21.4	0.70	10.5	22	9.7-10.8	0.26
Inuvik, N.W.T.	20.5	12	19.7-21.5	0.48	9.2	9	8.8-9.7	0.33	19.9	11	18.3-21.1	0.85	10.5	14	9.9-11.4	0.41
Whitehorse, Yukon T.	20.8	11	19.8-21.4	0.53	9.3	11	8.4-9.8	0.38	20.4	11	19.1-21.2	0.59	10.6	8	10.1-11.2	0.38
Maple Creek, SASK	20.4	23	19.0-21.5	0.58	9.3	23	8.8-9.9	0.33	19.8	23	18.6-21.0	0.72	10.3	22	9.8-10.9	0.24
Courval, SASK	20.7	14	19.6-22.1	0.65	9.4	14	8.8-10.0	0.45	20.1	14	18.8-21.0	0.70	10.5	14	9.9-11.2	0.34
Milk River, ALTA	20.4	29	18.7-21.3	0.63	9.2	29	8.1-9.8	0.43	19.7	29	18.3-21.6	0.76	10.4	28	9.9-10.8	0.26
Grande Prairie, ALTA	20.3	30	18.7-21.3	0.57	9.3	30	8.8-9.9	0.30	19.8	30	18.2-21.2	0.78	10.3	27	9.9-10.7	0.24
Koyuk, AK	20.4	15	19.6-21.4	0.52	9.2	15	8.9-9.8	0.30	19.8	15	19.2-21.1	0.53	10.6	14	10.2-11.1	0.29
Fairbanks, AK	20.4	20	19.2-21.3	0.56	9.2	20	8.4-9.8	0.45	19.8	21	18.1-20.9	0.67	10.4	21	9.8-10.8	0.25

APPENDIX 1. CONTINUED

Locality	Sternum length			Sternum depth			Keel length			Synsacrum width					
	Mean	N	S.D.	Mean	N	S.D.	Mean	N	S.D.	Mean	N	S.D.			
Wasilla, AK	20.6	25	19.2-21.6	9.4	26	8.9-10.3	0.36	20.2	25	18.4-21.4	0.78	10.5	26	9.9-11.4	0.35
Umnak Is., AK	22.2	30	21.0-23.1	10.1	29	9.1-10.7	0.42	21.5	28	20.2-22.8	0.64	11.7	29	11.1-12.3	0.30
Cold Bay, AK	22.3	13	21.5-23.1	9.7	14	9.1-10.3	0.43	21.1	14	20.2-22.7	0.66	11.4	13	10.7-12.5	0.45
Port Heiden, AK	21.2	16	19.7-22.6	9.7	15	8.8-10.7	0.58	20.6	15	18.9-22.6	1.12	11.0	16	10.3-11.4	0.33
Middleton Is., AK	21.6	29	20.0-23.0	9.5	27	8.5-10.6	0.63	20.7	26	19.1-22.6	0.73	11.2	29	10.2-11.7	0.31
Sheridan, WY	20.6	29	19.5-21.6	9.3	29	8.6-10.3	0.42	19.9	32	18.9-21.7	0.71	10.3	32	9.8-11.0	0.28
Woodruff, UT	20.6	45	19.1-21.8	9.3	43	8.1-10.1	0.39	20.0	46	17.9-21.6	0.83	10.4	45	9.8-11.0	0.29
Elberta, UT	20.2	17	19.3-21.4	9.2	17	8.7-9.8	0.33	19.7	19	18.9-21.2	0.64	10.3	18	9.7-10.9	0.29
Halleck, NV	20.1	30	18.2-21.4	9.2	29	8.0-9.8	0.43	19.5	29	17.0-21.4	0.98	10.3	30	9.8-10.9	0.30
Alamo, NV	20.0	5	19.0-20.4	8.7	5	8.2-9.0	0.36	19.2	6	18.8-19.6	0.35	9.7	4	9.1-10.2	0.45
Creston, WA	20.5	31	18.7-21.4	9.3	33	8.4-10.1	0.43	20.0	31	17.4-21.3	0.92	10.3	34	9.9-11.0	0.26
Hoquiam, WA	20.1	19	19.2-21.4	9.4	18	8.0-10.0	0.48	19.6	18	18.4-20.7	0.62	10.3	19	10.0-10.7	0.22
Owen's Lake, CA	19.9	18	19.2-20.9	9.0	19	8.5-9.9	0.39	19.3	18	18.2-20.7	0.73	10.1	20	9.8-10.6	0.22
Eureka, CA	20.0	26	18.8-21.5	9.1	26	8.4-9.1	0.36	19.4	26	18.1-21.0	0.70	10.5	25	10.0-11.0	0.23
Morro Bay, CA	19.9	17	19.5-20.5	8.9	16	8.2-9.4	0.42	18.7	16	16.8-20.7	0.86	10.5	16	10.0-11.0	0.28
San Diego, CA	19.8	20	18.7-20.3	8.8	19	8.5-9.4	0.26	18.7	19	17.4-20.2	0.71	10.5	19	9.7-11.0	0.37
Bahia San Quintin, B.C.N.	19.8	20	18.9-20.4	9.3	20	8.5-9.9	0.37	18.6	19	18.0-19.6	0.47	10.7	20	10.0-11.2	0.25
Guerrero Negro, B.C.S.	20.2	34	18.9-21.4	9.3	32	8.7-10.2	0.39	19.3	32	18.0-21.2	0.71	11.1	33	10.6-11.7	0.27
Bahia Magdalena, B.C.S.	20.2	15	18.5-22.1	9.3	15	8.7-10.2	0.37	19.2	15	17.8-21.7	0.96	11.2	14	10.8-11.8	0.32
Puerto Peñasco, Sonora	20.3	9	19.9-20.9	9.3	9	8.9-10.0	0.35	19.5	9	18.9-20.3	0.47	10.9	8	10.4-11.1	0.25
Bahia Kino, Sonora	20.6	21	19.6-22.1	9.5	20	8.7-10.5	0.45	19.8	20	19.2-20.7	0.50	11.2	21	10.5-11.8	0.30
El Molino, Sinaloa	20.6	16	19.5-21.3	9.3	16	8.4-9.9	0.40	19.5	15	18.6-20.1	0.52	11.1	15	10.5-11.8	0.37
Charco Redondo, Jalisco	20.1	14	19.4-21.7	9.3	15	8.7-10.0	0.42	19.4	15	18.1-21.1	0.84	10.2	15	9.6-10.8	0.34
Jerma, México	20.5	21	19.1-21.6	9.3	21	8.5-9.8	0.29	19.7	20	17.8-21.1	0.81	10.5	20	9.9-11.5	0.38