

Veiberg, V., Loe, L. E., Albon, S. D., Irvine, R. J., Tveraa, T., Ropstad, E. and Stien, A. 2016. Maternal winter body mass and not spring phenology determine annual calf production in an Arctic herbivore. – Oikos doi: 10.1111/oik.03815

Appendix 1

Table A1. Annual estimates of the variables used in the analyses of the Svalbard and West Greenland reindeer data. Column description Svalbard data: bm = mean adult female body mass (kg), SE_bm = standard error of bm, p_p = proportion of marked adult females pregnant in April, N_{p_p} = the sample size p_p is based upon, p_c = proportion of adult females observed with a calf at foot in summer, N_{p_c} = the sample size p_c is based upon, s_o = offspring survival from April till summer, N_{s_o} = the sample size s_o is based upon, T50 and EVI-spring = the date of spring onset based on each respective proxy. Column description West Greenland data: PC_{max} = maximum estimate of calf production before significant early calf mortality. PC_{final} = final estimate of calf production after early calf mortality, M = early calf mortality ($[PC_{max} - PC_{final}]/PC_{max}$), pc_{max} = proportion of females with a calf just after calving and before significant early calf mortality, pc_{final} = proportion of females with a calf after early calf mortality, s_c = offspring survival.

Svalbard data											Greenland data					
Year	bm	SE_bm	p_p	N_{p_p}	p_c	N_{p_c}	s_o	N_{s_o}	T50	EVI-spring	PC_{max}	PC_{final}	M	pc_{max}	pc_{final}	s_c
1995	53.16	0.96	0.69	39	0.69	36	0.86	25	14 June							
1996	40.22	0.58	0.41	73	0.18	33	0.15	22	21 June							
1997	50.95	0.61	0.84	81	0.72	90	0.90	37	19 June							
1998	53.99	0.39	0.92	143	0.82	117	0.90	77	24 June							
1999	54.22	0.39	0.89	122	0.79	130	0.87	76	15 June							
2000	49.92	0.47	0.68	114	0.41	119	0.63	60	25 June	5 July						
2001	57.23	0.46	0.93	83	0.81	111	0.86	41	16 June	28 June						
2002	43.53	0.49	0.53	111	0.23	74	0.27	39	8 June	21 June	0.41	0.39	0.05	0.70	0.65	0.92
2003	53.09	0.47	0.92	137	0.77	93	0.84	64	19 June	30 June	0.45	0.43	0.04	0.80	0.74	0.92
2004	49.30	0.64	0.80	75	0.67	63	0.81	20	18 June	23 June	0.31	0.17	0.45	0.45	0.20	0.45
2005	52.21	0.55	0.91	90	0.71	102	0.78	41	9 June	24 June	0.44	0.42	0.04	0.79	0.73	0.93
2006	48.32	0.63	0.57	75	0.35	101	0.79	34	1 June	23 June	0.13	0.09	0.29	0.15	0.10	0.68
2007	51.23	0.47	0.98	103	0.49	90	0.47	36	7 June	26 June	0.37	0.32	0.13	0.58	0.47	0.81
2008	41.67	0.61	0.23	65	0.09	81	0.38	28	17 June	4 July	0.26	0.20	0.23	0.36	0.25	0.71
2009	50.33	0.53	0.85	100	0.55	82	0.59	45	15 June	30 June	0.24	0.10	0.58	0.32	0.12	0.36
2010	47.95	0.63	0.78	73	0.31	52	0.50	30	12 June	27 June	0.43	0.19	0.55	0.75	0.24	0.32
2011	53.79	0.55	0.86	58	0.63	38	0.70	12	11 June	28 June						
2012	46.83	0.68	0.63	82	0.37	65	0.65	42	14 June	2 July						
2013	55.51	0.59	0.94	71	0.75	77	0.76	35	10 June	28 June						
2014	52.45	0.52	0.82	91	0.62	81	0.71	41	7 June	29 June						