

Snow conditions as an estimator of the breeding output in high-Arctic pink-footed geese *Anser brachyrhynchus*

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Appendix Overview of the snow classification images (MODIS) used and estimated snow cover in late May, 2000-2011 for Svalbard.

Area a	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Image acquisition date	17 May	23 May	25 May	25 May	28 May	31 May	25 May	25 May	23 May	28 May	25 May	25 May
Snow coverage (%)	89.4	74.7	68.4	76.8	64.4	82.0	51.4	55.2	87.1	55.6	45.5	79.3
Area b												
Image acquisition date	16 May	23 May	25 May	24 May	28 May	28 May	23 May	25 May	19 May	28 May	25 May	25 May
Snow coverage (%)	90.3	57.9	65.7	67.4	48.8	66.4	45.5	64.4	89.3	75.4	41.1	67.1
Area c												
Image acquisition date	16 May	23 May	25 May	24 May	28 May	28 May	23 May	25 May	19 May	NA	24 May	25 May
Snow coverage (%)	98.2	80.5	99.3	97.9	86.7	75.0	32.8	81.1	99.0		2.0	92.9
Area d												
Image acquisition date	16 May	23 May	25 May	24 May	28 May	28 May	23 May	25 May	19 May	28 May	24 May	25 May
Snow coverage (%)	96.7	87.0	94.3	98.2	80.6	89.6	64.4	90.1	98.7	90.5	29.9	85.5
Area e												
Image acquisition date	16 May	23 May	25 May	24 May	NA	28 May	23 May	25 May	19 May	28 May	24 May	25 May
Snow coverage (%)	93.0	91.2	56.1	93.6		72.5	23.8	67.7	95.4	77.7	14.4	91.6
Area f												
Image acquisition date	17 May	23 May	25 May	25 May	27 May	28 May	23 May	25 May	19 May	29 May	25 May	25 May
Snow coverage (%)	97.0	91.0	90.9	96.2	81.1	87.4	58.2	87.0	94.4	89.0	59.1	88.5
Area g												
Image acquisition date	17 May	23 May	25 May	24 May	28 May	30 May	23 May	20 May	23 May	29 May	25 May	25 May
Snow coverage (%)	98.8	94.2	100.0	98.3	98.9	97.9	74.0	84.9	98.8	83.0	94.4	100.0
Area h												
Image acquisition date	17 May	25 May	25 May	24 May	24 May	4 June	23 May	22 May	19 May	28 May	24 May	27 May
Snow coverage (%)	82.0	72.1	83.1	47.5	78.0	77.4	44.1	82.4	96.2	71.4	71.1	53.3
Area i												
Image acquisition date	17 May	25 May	25 May	24 May	24 May	28 May	23 May	18 May	19 May	28 May	24 May	27 May
Snow coverage (%)	91.4	77.2	83.3	42.1	65.5	83.0	64.1	92.8	96.3	89.3	64.0	43.3