

Supplemental Information:

Table 1: Date of initiation of snowpack, melt out date and the number of days with snow on the ground for each WY. Gaps in the snow depth record are documented as well. A smoothing window of 8 hours was applied to all WYs.

Station	WY	Initiation of snow pack	Melt out date	Peak snow depth (cm)	Days of snow cover	All gaps in record
125	2004	16 Nov 2003	8 Mar 2004	43.3	113	
	2005	17 Oct 2004	18 Feb 2005	16.2	115	
	2006	2 Nov 2005	22 Apr 2006	27.1	168	
	2007	2 Nov 2006	7 Mar 2007	28.3	124	
	2008	7 Nov 2007	19 Mar 2008	56.9	132	07-Dec-2007 23:00 - 08-Dec-2007 09:00; 01-Mar-2008 02:00 - 01-Mar - 20:00
	2009	12 Dec 2008	12 Mar 2009	45.8	82	
	2010	21 Nov 2009	6 Apr 2010	21.4	111	
	2011	10 Nov 2010	1 Apr 2011	26.9	142	07-Mar-2011 03:00:00 - 07-Mar-2011 11:00:00;
	2012	17 Nov 2011	24 Mar 2012	13.9	145	29-Feb-2012 21:00:00 - 01-Mar-2012 01:00:00
	2013	17 Nov 2012	19 Mar 2013	32.7	122	
	2014	4 Nov 2013	3 Apr 2014	29.3	76	29-Dec-2013 07:00:00 - 29-Dec-2013 15:00:00
jdt1	2006	26 Nov 2005	17 Apr 2006	41.0	132	08-Nov-2005 16:00:00 - 10-Nov-2005 01:00:00 ; 14-Nov-2005 05:00:00 - 16-Nov-2005 13:00:00 ; 20-Nov-2005 06:00:00 - 21-Nov-2005 00:00:00 ; 21-Dec-2005 11:00:00 -

						22-Dec-2005 11:00:00 ; 07-Jan-2006 06:00:00 - 07-Jan-2006 23:00:00 ; 28-Jan-2006 08:00:00 - 31-Jan-2006 00:00:00 ; 02-Feb-2006 21:00:00 - 04-Feb-2006 03:00:00 ; 18-Feb-2006 13:00:00 - 19-Feb-2006 18:00:00 ; 22-Feb-2006 14:00:00 - 23-Feb-2006 12:00:00 ; 27-Feb-2006 09:00:00 - 27-Feb-2006 22:00:00
	2007	11 Nov 2006	11 Mar 2007	37.0	107	04-Oct-2006 00:00:00 - 14-Oct-2006 16:00:00 ; 19-Dec-2006 05:00:00 - 19-Dec-2006 22:00:00 ; 31-Dec-2006 10:00:00 - 31-Dec-2006 19:00:00 ; 01-Jan-2007 00:00:00 - 01-Jan-2007 14:00:00 ; 28-Jan-2007 09:00:00 - 28-Jan-2007 23:00:00 ; 06-Feb-2007 08:00:00 - 07-Feb-2007 00:00:00 ; 19-Feb-2007 08:00:00 - 20-Feb-2007 06:00:00 ; 23-Feb-2007 09:00:00 - 24-Feb-2007 00:00:00 ; 25-Feb-2007 05:00:00 - 25-Feb-2007 19:00:00 ; 26-Feb-2007 19:00:00 - 27-Feb-2007 05:00:00 ;
	2008	24 Nov 2007	19 Apr 2008	84.4	141	04-Oct-2007 07:00:00 - 21-Oct-2007 03:00:00 ; 29-Oct-2007 19:00:00 - 31-Oct-2007 21:00:00 ; 21-Nov-2007 11:00:00 - 22-Nov-2007 20:00:00 ; 25-Nov-2007 16:00:00 - 26-Nov-2007 13:00:00 ; 15-Dec-2007 04:00:00 - 15-Dec-2007 20:00:00 ; 12-Jan-2008 16:00:00 - 16-Jan-2008 01:00:00 ; 18-Jan-2008 08:00:00 - 19-Jan-2008 08:00:00 ; 20-Jan-2008 14:00:00 - 22-Jan-2008 17:00:00 ; 24-Jan-2008 16:00:00 - 26-Jan-2008 17:00:00 ;

						29-Jan-2008 22:00:00 - 01-Feb-2008 13:00:00 ; 09-Feb-2008 13:00:00 -10-Feb-2008 21:00:00 ; 18-Feb-2008 04:00:00 - 19-Feb-2008 07:00:00 ; 20-Feb-2008 00:00:00 - 21-Feb-2008 20:00:00
	2009	1 Nov 2008	17 Apr 2009	66.3	150	04-Oct-2008 18:00:00 - 05-Oct-2008 09:00:00 ; 10-Oct-2008 21:00:00 - 11-Oct-2008 19:00:00 ; 16-Oct-2008 12:00:00 - 20-Oct-2008 09:00:00 ; 21-Dec-2008 09:00:00 - 23-Dec-2008 15:00:00 ; 02-Feb-2009 20:00:00 - 03-Feb-2009 19:00:00
	2010	11 Nov 2009	17 Apr 2010	49.9	131	
	2011	26 Nov 2010	5 Apr 2011	30.9	103	
	2012	22 Jan 2012	18 Mar 2012	15.4	44	
	2013	21 Oct 2012	3 Apr 2013	47.6	153	
	2014	2 Nov 2013	23 Mar 2014	46.5	141	
jdt2	2006	13 Nov 2005	17 Apr 2006	18.0	127	08-Nov-2005 22:00:00 - 09-Nov-2005 22:00:00 ; 15-Nov-2005 13:00:00 - 16-Nov-2005 16:00:00 ; 21-Dec-2005 04:00:00 - 21-Dec-2005 21:00:00 ; 07-Jan-2006 00:00:00 - 08-Jan-2006 04:00:00 ; 02-Feb-2006 00:00:00 - 02-Feb-2006 20:00:00
	2007	11 Nov 2006	8 Mar 2007	17.0	89	18-Dec-2006 13:00:00 - 19-Dec-2006 18:00:00
	2008	9 Nov 2007	5 Apr 2008	37.0	143	06-Oct-2007 06:00:00 - 07-Oct-2007 22:00:00 ; 15-Oct-2007 23:00:00 - 16-Oct-2007 11:00:00 ; 17-Oct-2007 00:00:00 - 17-Oct-

						2007 07:00:00 ; 31-Oct-2007 01:00:00 - 31-Oct-2007 19:00:00 ; 05-Nov-2007 20:00:00 - 06-Nov-2007 06:00:00 ; 14-Nov-2007 15:00:00 - 14-Nov-2007 22:00:00 ; 23-Nov-2007 23:00:00 - 24-Nov-2007 03:00:00 ; 30-Nov-2007 05:00:00 - 30-Nov-2007 19:00:00 ; 17-Dec-2007 05:00:00 - 17-Dec-2007 08:00:00 ; 20-Jan-2008 17:00:00 - 22-Jan-2008 02:00:00 ; 31-Jan-2008 10:00:00 - 31-Jan-2008 15:00:00 ; 14-Feb-2008 19:00:00 - 14-Feb-2008 23:00:00 ; 20-Feb-2008 00:00:00 - 20-Feb-2008 07:00:00 ; 02-Mar-2008 02:00:00 - 02-Mar-2008 05:00:00
	2009	1 Nov 2008	4 Apr 2009	36.6	124	16-Jan-2009 06:00:00 - 16-Jan-2009 17:00:00
	2010	11 Nov 2009	25 Apr 2010	59.2	164	21-Nov-2009 00:00:00 - 21-Nov-2009 16:00:00 ; 15-Jan-2010 08:00:00 - 16-Jan-2010 12:00:00
	2011	28 Oct 2010	9 Apr 2011	31.4	157	30-Dec-2010 22:00:00 - 31-Dec-2010 22:00:00 ; 02-Jan-2011 11:00:00 - 03-Jan-2011 03:00:00
	2012	4 Nov 2011	7 Apr 2012	14.7	146	
	2013	22 Oct 2012	13 Mar 2013	29.3	101	
	2014	16 Nov 2013	22 Feb 2014	29.7	83	
jdt2b	2011	17 Dec 2010	19 Mar 2011	12.7	38	
	2012	19 Jan 2012	21 Jan 2012	2.7	2	
	2013	20 Nov 2012	14 Feb 2013	17.1	71	
	2014	4 Dec 2013	21 Feb 2014	25.4	36	

jdt3	2005	26 Nov 2004	4 Apr 2005	23.0	107	
	2006	26 Nov 2005	20 Apr 2006	37.0	153	
	2007	8 Nov 2006	19 Apr 2007	36.0	124	
	2008	8 Nov 2007	1 May 2008	87.3	180	02-Feb-2008 11:00:00 - 02-Feb-2008 16:00:00 ; 17-Aug-2008 18:00:00 - 19-Aug-2008 10:00:00
	2009	5 Dec 2008	16 Apr 2009	63.0	129	
	2010	11 Nov 2009	1 May 2010	84.7	171	26-Sep-2010 16:00:00 - 27-Sep-2010 21:00:00
	2011	10 Nov 2010	1 May 2011	53.7	155	14-Jan-2011 23:00:00 - 15-Jan-2011 10:00:00
	2012	12 Nov 2011	27 Apr 2012	34.9	133	17-Nov-2011 06:00:00 - 17-Nov-2011 21:00:00
	2013	22 Oct 2012	26 Mar 2013	51.8	118	
	2014	25 Oct 2013	3 Mar 2014	43.6	117	
jdt3b	2011	15 Dec 2010	2 Apr 2011	18.6	109	
	2012	11 Nov 2011	27 Mar 2012	9.9	45	
	2013	11 Dec 2012	11 Feb 2013	23.6	53	
	2014	13 Oct 2013	23 Feb 2014	25.9	131	
jdt4	2006	6 Nov 2005	19 Apr 2006	51.0	148	18-Nov-2005 14:00:00 - 19-Nov-2005 11:00:00 ; 11-Jan-2006 09:00:00 - 12-Jan- 2006 05:00:00
	2007	11 Nov 2006	19 Apr 2007	46.0	126	
	2008	10 Nov 2007	6 May 2008	93.3	164	
	2009	1 Nov 2008	6 May 2009	74.5	155	16-Oct-2008 09:00:00 - 16-Oct-2008 15:00:00 ; 31-Jan-2009 12:00:00 - 01-Feb-2009 18:00:00 ; 07-Feb-2009 13:00:00 - 07-Feb- 2009 17:00:00

	2010	11 Nov 2009	1 May 2010	90.8	172	12-Nov-2009 08:00:00 - 13-Nov-2009 13:00:00 ; 02-Dec-2009 03:00:00 - 03-Dec-2009 05:00:00 ; 06-Dec-2009 13:00:00 - 07-Dec-2009 02:00:00
	2011	8 Nov 2010	1 May 2011	83.1	174	21-Nov-2010 08:00:00 - 21-Nov-2010 21:00:00 ; 03-Jan-2011 10:00:00 - 05-Jan-2011 08:00:00
	2012	6 Nov 2011	31 Mar 2012	48.6	146	
	2013	22 Oct 2012	3 Apr 2013	58.7	143	
	2014	28 Oct 2013	2 Apr 2014	45.8	104	
jdt4b	2011	17 Dec 2010	2 Apr 2011	18.6	107	
	2012	30 Dec 2011	19 Mar 2012	16.4	22	
	2013	6 Dec 2012	15 Feb 2013	31.1	68	
	2014	13 Oct 2013	23 Feb 2014	27.7	82	
jdt5	2006	3 Nov 2005	17 Apr 2006	26.0	144	12-Nov-2005 19:00:00 - 13-Nov-2005 04:00:00
	2007	11 Nov 2006	19 Apr 2007	24.0	115	22-Feb-2007 13:00:00 - 22-Feb-2007 18:00:00
	2008	10 Nov 2007	13 Apr 2008	57.6	151	19-Oct-2007 07:00:00 - 20-Oct-2007 18:00:00 ; 27-Nov-2007 16:00:00 - 28-Nov-2007 08:00:00
	2009	6 Dec 2008	5 Apr 2009	48.0	117	
	2010	11 Nov 2009	13 Apr 2010	45.9	154	18-Jan-2010 12:00:00 - 19-Jan-2010 20:00:00
	2011	7 Nov 2010	12 Apr 2011	33.8	154	
	2012	10 Nov 2011	2 Apr 2012	36.0	144	
	2013	2 Dec 2012	16 Mar 2013	36.9	103	
	2014	26 Oct 2013	5 Apr 2014	30.7	161	
124b	2007	8 Nov 2006	12 Mar	42.0	127	03-Dec-2006 09:00:00 - 04-Dec-2006

			2007			23:00:00 ;
	2008	23 Nov	14 Apr 2008	70.6	139	23-Dec-2007 22:00:00 - 24-Dec-2007 15:00:00
	2009	7 Dec 2008	6 Apr 2009	58.4	117	12-Nov-2008 01:00:00 - 14-Nov-2008 10:00:00 ; 12-Dec-2008 10:00:00 - 12-Dec-2008 22:00:00 ; 25-Dec-2008 07:00:00 - 25-Dec-2008 13:00:00 ; 28-Dec-2008 11:00:00 - 28-Dec-2008 21:00:00 ; 30-Dec-2008 08:00:00- 30-Dec-2008 14:00:00 ; 24-Jan-2009 06:00:00- 24-Jan-2009 11:00:00 ; 26-Jan-2009 15:00:00 - 26-Jan-2009 22:00:00
	2010	12 Nov 2009	19 Apr 2010	76.7	153	04-Jan-2010 02:00:00 - 06-Jan-2010 19:00:00
	2011	10 Nov 2010	13 Apr 2011	55.7	145	
	2012	12 Nov 2011	27 Mar 2012	50.0	111	
	2013	23 Oct 2012	16 Mar 2013	54.2	100	
	2014	28 Oct 2013	27 Feb 2014	36.8	90	
124	2004	16 Nov 2003	17 Mar 2004	45.5	111	
	2005	17 Oct 2004	31 Apr 2005	9.5	160	
	2006	2 Nov 2005	22 Apr 2006	17.3	171	
	2007	2 Nov 2006	16 Mar 2007	10.7	133	
	2008	4 Dec 2007	11 Apr 2008	9.4	121	10-Mar-2008 08:00:00 - 10-Mar-2008 12:00:00
	2009	13 Dec 2008	16 Mar 2009	14.5	71	24-Dec-2008 16:00:00 - 25-Dec-2008 04:00:00 ; 27-Dec-2008 07:00:00 - 28-Dec-2008 09:00:00
	2010	21 Dec 2009	2 May 2010	51.6	113	20-Mar-2010 07:00:00 - 20-Mar-2010

						18:00:00 ; 23-Mar-2010 07:00:00 - 23-Mar-2010 20:00:00 ; 24-Mar-2010 10:00:00 - 30-Mar-2010 11:00:00 ; 07-Apr-2010 06:00:00 - 16-Apr-2010 16:00:00 ; 19-Apr-2010 09:00:00 - 20-Apr-2010 15:00:00 ; 25-Apr-2010 10:00:00 - 27-Apr-2010 22:00:00 ; 02-May-2010 12:00:00 - 02-May-2010 18:00:00
	2011	24 Oct 2010	13 Apr 2011	21.6	158	29-Dec-2010 05:00:00 - 29-Dec-2010 10:00:00 ; 09-Mar-2011 12:00:00 - 16-Mar-2011 19:00:00
	2012	31 Dec 2011	9 Apr 2012	15.3	76	20-Jan-2012 08:00:00 - 25-Jan-2012 09:00:00 ; 26-Jan-2012 06:00:00 - 27-Jan-2012 18:00:00 ; 21-Mar-2012 11:00:00 - 23-Mar-2012 10:00:00 ; 26-Mar-2012 02:00:00 - 30-Mar-2012 16:00:00 ; 31-Mar-2012 15:00:00 - 03-Apr-2012 08:00:00 ;
	2013	2 Dec 2012	28 Mar 2013	36.1	108	03-Dec-2012 08:00:00 - 04-Dec-2012 10:00:00 ; 08-Dec-2012 06:00:00 - 09-Dec-2012 13:00:00 ; 17-Dec-2012 21:00:00 - 20-Dec-2012 11:00:00 ; 30-Dec-2012 05:00:00 - 03-Jan-2013 11:00:00 ;
	2014	27 Oct 2013	3 Apr 2014	6.0	24	31-Oct-2013 08:00:00 - 12-Feb-2014 16:00:00 ; 19-Feb-2014 00:00:00 - 01-Mar-2014 22:00:00 ; 04-Mar-2014 00:00:00 - 05-Mar-2014 13:00:00 ; 12-Mar-2014 04:00:00 - 17-Mar-2014 05:00:00 ; 20-Mar-2014 04:00:00 - 27-Mar-2014 15:00:00 ; 28-Mar-2014 06:00:00 - 31-Mar-2014 17:00:00 ; 02-Apr-2014 05:00:00 - 04-Apr-2014 12:00:00