



Snowpack Monitoring: 2006-2007 Season

Central Alaska Network

Natural Resource Technical Report NPS/CAKN/NRTR—2008/140



ON THE COVER

Tokositna valley SNOTEL site – Installed in CAKN in 2006.

Photograph by: NPS Photo by Pam Sousanes

2006-2007 Snowpack Monitoring

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Natural Resource Technical Report NPS/CAKN/NRTR—2008/140

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Introduction

A predominate feature of climate in high latitude regions is the presence of a seasonal snowpack. The snowpack is a major influence on hydrology, vegetation, and faunal communities. A main objective of the Central Alaska Network's (CAKN) snowpack monitoring program is to record long-term trends in snow by engaging in an interagency agreement with the Natural Resources Conservation Service (NRCS) to survey snow courses, aerial snow markers, and install and maintain recording precipitation gauges (as part of the SNow Telemetry [SNOTEL] network) in all three CAKN parks, including Denali National Park and Preserve (DENA), Wrangell – St. Elias National Park and Preserve (WRST), and Yukon-Charley Rivers National Preserve (YUCH). The SNOTEL sites have proven to be the most accurate instrumented sites to document all forms of precipitation in Alaska, including snowfall which is difficult to measure in remote locations. The agreement between the NPS and NRCS includes data dissemination and archiving. The data provided in this report comes almost exclusively from the NRCS Alaska Snow, Water and Climate Services web based server.

Methods

Snow pack is measured in several different ways in the Central Alaska Network. The objective of a snow survey or snow measurement is to determine the snow water equivalent or SWE, which is the amount of water in the snowpack. For detailed methods refer to the Snowpack Monitoring Protocols for the CAKN (Sousanes, 2004). The snow monitoring sites for the CAKN are shown in Figure 1.

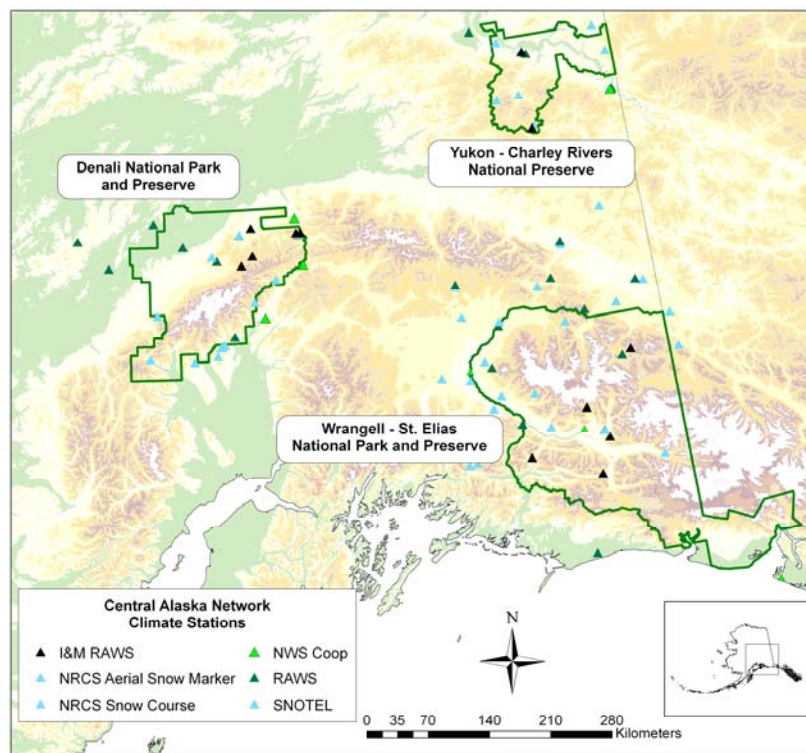


Figure 1. Locations of snow monitoring sites in the Central Alaska Network

SNOTEL

The most useful piece of information we have is from the newly installed SNOTEL sites at Kantishna and Tokositna Valley in Denali National Park and Preserve. Other SNOTEL sites adjacent to the other CAKN parks are useful as well, including Mission Creek at Eagle near Yukon-Charley Rivers National Preserve and the Upper Tsaina SNOTEL south of Copper Center near Wrangell – St. Elias National Park and Preserve. This year we look forward to the data from the new May Creek SNOTEL site in Wrangell – St. Elias installed in July of 2007.

Snow Courses and Aerial Markers

There are 20 snow courses and aerial snow markers in the three parks (Fig 2). Park staff, along with park pilots or contracted pilots, fly these surveys each month. A certain amount of logistic flexibility and cold weather hardiness is necessary to undertake these surveys and weather and daylight are critical factors in making sure these surveys are done safely. Given that we are attempting to get these done each month in the winter in Interior Alaska, there are times when these surveys cannot be completed.

Snow Depth Sensors

Acoustic snow depth sensors were added to most of the CAKN and RAWS climate stations that were installed in the past few years, and this measurement offers a cumulative look at snowpack development through the season. We do not get snow water equivalent, but we do get snow depth which can be extrapolated to a SWE measurement by comparing it to a known snow course or SNOTEL site in the area.

Other Networks

The McKinley Park, Eagle, Cantwell, McCarthy, and Yakutat National Weather Service Cooperative Observer sites, or COOP sites, manually record snow depth and precipitation on a daily basis.



Figure 2. Example of a snow course in Denali National Park and Preserve

Results

The snowpack for most of the CAKN region was between 50 and 70% of normal for the 2006-2007 season. The exception was the Chugach and Wrangell mountain ranges in WRST where the snowpack was closer to normal, and the southeast area of WRST where the snowpack was 130 to 150% above normal, along with the rest of southeast Alaska that had record breaking snowfall this season. The warm interior temperatures in April led to a rapid deterioration of what little snowpack we had. The snow was off the ground by May 1 in almost all regions of the interior, this was not the case for the southeastern portion of WRST where spring arrived late. The following detailed synopses are presented by hydrologic unit rather than park unit and represent the major watersheds within the state including the Tanana Basin, Central Yukon, Upper Susitna, and the Copper River Basin with brief mention of the Lower Yukon – Upper Kuskokwim and the north Gulf Coast.

Tanana Basin 2006-2007 Surveys

The Tanana Basin includes the north side of Denali from Park headquarters to Lake Minchumina and the northern areas of Wrangell - St. Elias from the Canadian border to the Nabesna Road. North of the Alaska Range across the interior of Alaska snow was late to come and there was little accumulation. The first measurable snow came at the end of October at most sites. The new SNOTEL site at Kantishna now provides daily snow depth and precipitation data, so we were able to determine when the season started – on October 20th 3 inches of snow fell and snow remained on the ground for the rest of the winter. In November, Interior Alaska was dominated by a high pressure system that kept temperatures 12°F to 20°F below normal. On November 30, 9 inches of snow was measured at Kantishna, the same as last year. The Rock Creek sites near park headquarters had 4 inches of snow on November 29, which is about 33% of what was measured last year. Jatamund Lake reported 8 inches of snow on November 30 which is 50% of normal, and Lost Creek reported 4 inches. There was no survey at Chisana, but we do have a snow depth sensor on the RAWs site at the Chisana airstrip which was reading 7 inches on November 30. The first measurable snowfall at this site was on October 21, 2006 with 4 inches.

Temperatures warmed up in mid January, but the interior received little snow for January or February and snowpack conditions remained the same. The February 1st snow survey found most of the Tanana Basin to be 50 and 60% of normal. In March, the state went into another deep freeze. It was the coldest March on record at Denali Park headquarters, the mean monthly temperature was 19°F below normal. A persistent high pressure system kept the moisture to the south leaving the snowpack again virtually unchanged. What little snowpack we had in Interior Alaska melted quickly in April with the onset of persistent warm temperatures that were well above average. There was no measurable snow at any of the north side sites on May 1, only upper elevation sites in interior Alaska had any snow remaining. The average date for snow off in the spring is around May 11. Figure 3 is from the NRCS Alaska Snow Survey Report and shows the site averages compared to normal along with the mean monthly temperature departure from normal from a National Weather Service station in the region. See Appendix A for individual site data.

The Kantishna SNOTEL site recorded 3.8 inches of total winter precipitation for October 1, 2006 through May 1, 2007, and the total annual precipitation for the year was 20.3 inches. See

Appendix B for snowfall and precipitation accumulation graphs. The McKinley Park NWS site was 47% of normal for the year with an annual total of 38.2 inches of snow for the season, the average snowfall is 79.7 inches. The monthly totals for November and March were well below average. See Appendix C for tables and graphs with long-term data. The Cantwell NWS COOP, although situated south of the crest of the Alaska Range, lies within the Tanana Basin as well, since Cantwell Creek drains into the Nenana River. This site had record low snowfall amounts in November, February and April. The annual snowfall amount was 82.2 inches, 66 % of normal.

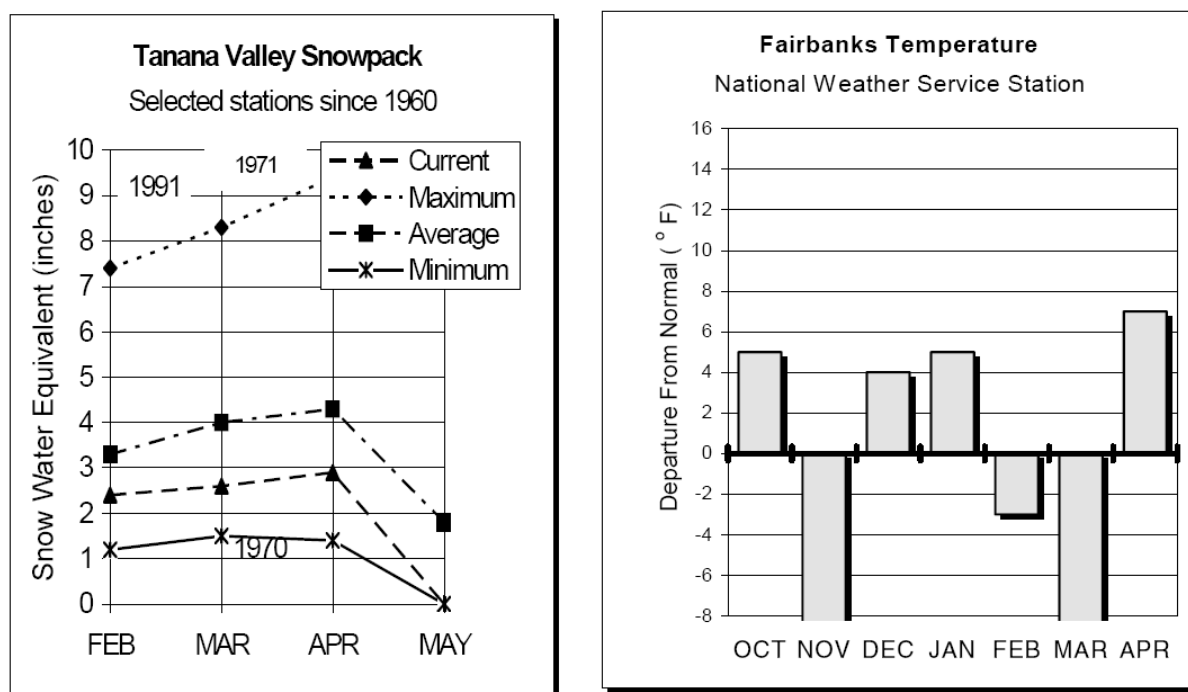


Figure 3 . Tanana Basin snow season. Courtesy of the NRCS, Anchorage, AK.

Central Yukon Basin 2006 – 2007 Surveys

The Central Yukon Basin encompasses all of Yukon-Charley Rivers National Preserve. This part of the state received more snow than the dry interior with storm tracks making their way up through Canada, bypassing central Alaska. The Mission Creek SNOTEL site in Eagle reported normal and above normal snowpacks for the season, with snow depths at Coal Creek in YUCH similar to those at Eagle. As you traveled farther west to the White Mountains things changed, these sites which are also included in the Central Yukon Basin summary were well below normal.

The Coal Creek snow course and the aerial markers in Yukon-Charley Rivers were not flown in late November due to extreme cold temperatures that prohibited safe flying. The Coal Creek climate station reported the first measurable snow on October 22, 2006 with 2 inches of snow. The first measurable snow at Mission Creek in Eagle occurred on October 21, 2006 when it snowed 6 inches. There was no substantial snow again until December 18 when it snowed another 5 to 6 inches. Measurements were taken for the February 1 snow survey at the aerial markers in YUCH and ranged between 4 and 16 inches, but because the markers are relatively new we cannot compare them to normals. The average for the White Mountain sites west of

YUCH with longer records were 53% of normal, while the Mission Creek SNOTEL site was reporting 113% of normal. On March 1, the Coal Creek snow course had 16 inches of snow, Mission Creek had 16 inches, and Three Fingers had 12 inches of snow, which is about normal compared to long-term records for Mission Creek. On April 1st Mission Creek had 18 inches of snow, and the normal is 18 inches. Coal Creek had 17 inches and Three Fingers had 15 inches. By May 1 the snow had melted at Coal Creek and Mission Creek, which are low elevation sites, while 9 inches remained on the ground at Three Fingers at 3350 feet. The graphs taken from the NRCS Alaska Snow Survey Report for May 1 shows the average of all of the snow courses within the watershed; with temperatures from a nearby long-running climate station (Fig 4).

Mission Creek SNOTEL had a total of 6.1 inches of precipitation between October 1, 2006 and May 1, 2007, the average is 5.8 inches, so the snowpack and snow water equivalent were about normal for the year. This site does not have telemetry and the data are only available up until August 27, 2007, so we do not have the total precipitation for the site for the 2007 water year. The average annual total for this site is 13.6 inches and as of August 27 it was at 11.8 inches, close to normal for the year. See Appendix B for Mission Creek SNOTEL water year charts. The Eagle NWS COOP site recorded an annual snowfall amount of 57 inches just a few inches shy of the average of 60 inches. Most of the snow fell in December and January. November and March were well below average much like the rest of interior Alaska. See Appendix C for tables and graphs with long-term data.

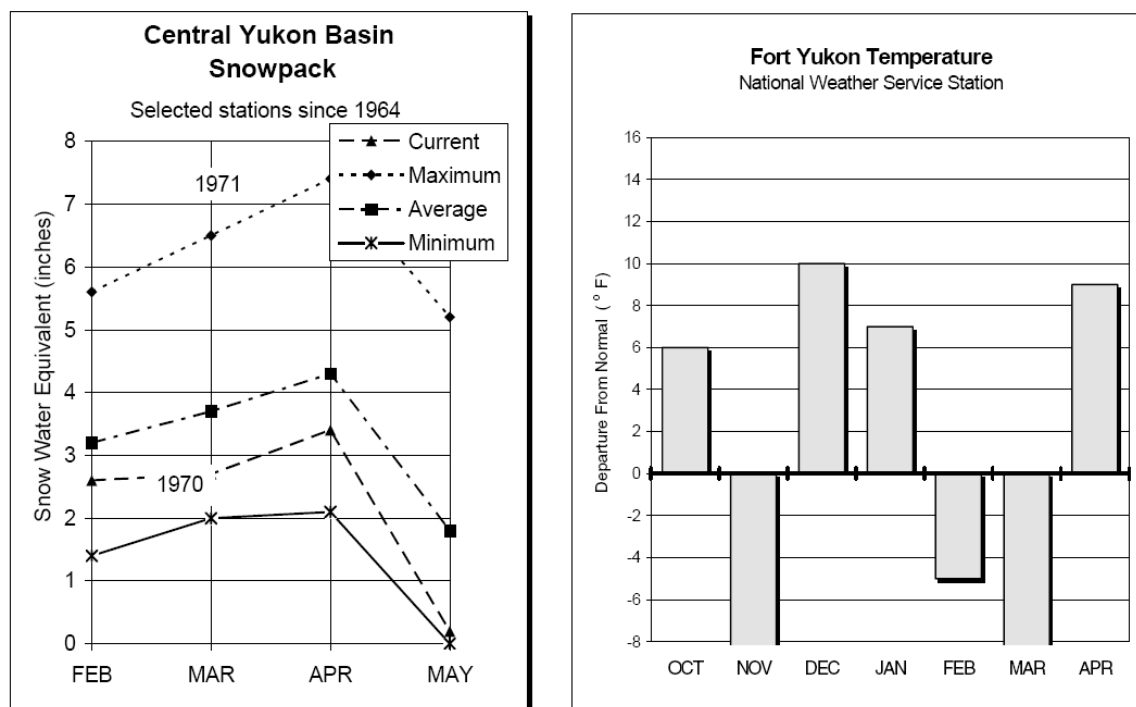


Figure 4. Central Yukon Basin snow season. Courtesy of NRCS, Anchorage, AK

Lower Yukon –Upper Kuskokwim 2006-2007 Surveys

Purkeypile, in Denali, is the one site within the CAKN that is included in this hydrological division. The watershed is part of the Kuskokwim River flowing into western Interior Alaska. The access to the snow course is via the Purkeypile airstrip which was covered in overflow ice

this year which meant that we could not land a plane. The other sites in the watershed were near normal in terms of snowpack and snow water equivalent in the early season. By March 1 they were at 70% normal, on April 1 they were 60% of normal and on May 1 as was the case in most of interior Alaska there was no snow on the ground. Figure 5 shows the NRCS snow survey report graphs for the area.

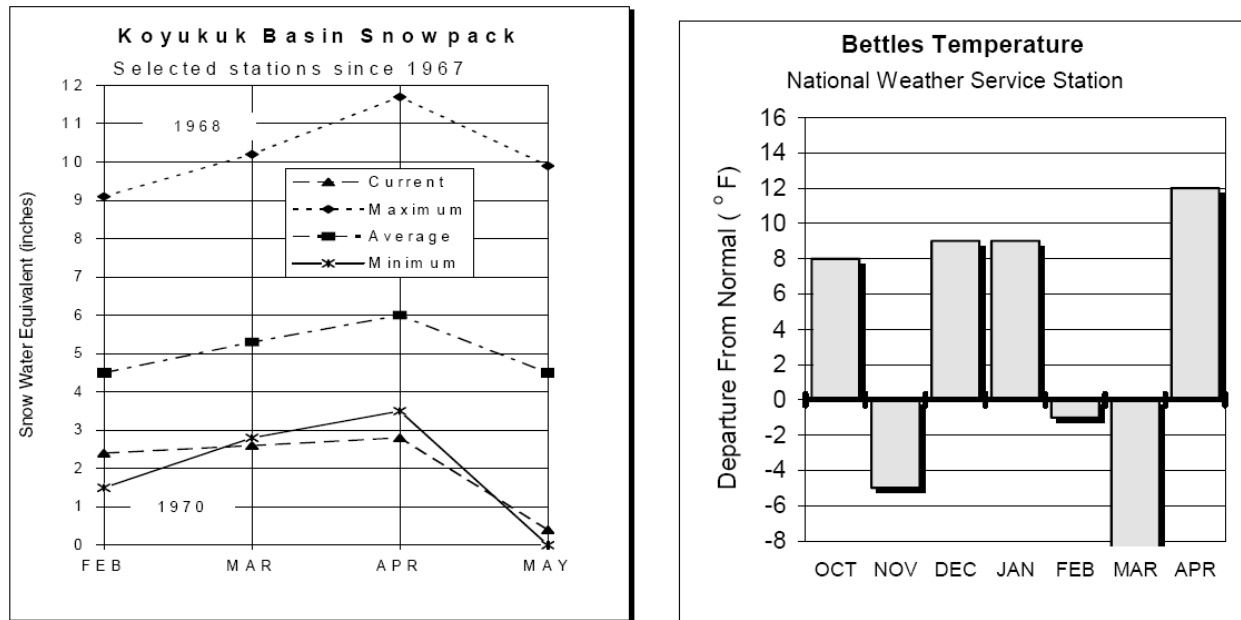


Figure 5. Koyukuk Basin snow season. Courtesy of NRCS, Anchorage, AK

Copper Basin 2006 2007 Surveys

There were very few stations that were measured in the early season in the Copper River basin. The temperatures in November were the coldest on record at Gulkana, McCarthy, Nabesna and Slana, which most likely impacted safe flying conditions for these early season surveys. The sites were surveyed on January 1st. Tebay Lakes in the Chugach Range had 39 inches of snow on Jan 1, while May Creek had 11 inches, and Long Glacier had 8 inches. According to the snow depth sensor at the Tebay climate station there was measurable snow starting October 21. The May Creek RAWS showed snow on the ground starting on October 21 as well. On February 1st the Chugach Range courses had close to 50 inches of snow which is just above normal, while May Creek on the Basin Floor had 11 inches. Notch airstrip in the upper Chitina River Valley at 2643 feet had 18 inches of snow and Long Glacier up in the Wrangell Mountains had 8 inches – other sites in the Wrangell Mountains were 116% of normal. The sites north of the Wrangell Mountains had snow packs that were 80% of normal. The Copper Basin did not escape the extreme cold temperatures in March. It was the coldest March on record at Gulkana and the surveys on March 1st showed little change in the snowpack – some sites lost snow due to wind, settling, or sublimation. The north side sites were 60% of normal, the Wrangell Mountains were 97% of normal, the Basin floor was 85% of normal and the Chugach Range was 85% of normal. In April the Alaska Range courses set all time low records, the Wrangell Mountains were at 88%, the Basin floor at 96% and the Chugach Range was at 84% of normal. There were only a few snow course measurements recorded across the Copper Basin on May 1, probably because there was no snow to measure. The few that were measured had no snow. The Chugach Range

late spring snowpack was at 76% of normal, but the Alaska Range was losing what little snow had accumulated – the sites were at 27% of normal (NRCS, 2007). Figure 6 shows the NRCS snow survey report graphs for the area.

There are no SNOTEL sites in or around the Copper Basin and WRST that have been in existence for more than two years. The McCarthy NWS COOP site has daily snowfall going back 12 years. They recorded 43.8 inches of total snowfall for 2006-07; the mean after 12 years is 64.6 inches. Most of the snow fell in January, the monthly total of 19.2 inches was 150% of normal, followed by 2.8 inches in February 28% of normal. The data continuity at this site is not very good and there are many missing days. See Appendix C for McCarthy snowfall data.

I will include the data from Yakutat here although it doesn't really fit with the Copper Basin it does describe the coastal southeast area of WRST. There are no snow courses in this area, but the NWS Yakutat COOP records snowfall. The site reported a total of 225 inches of snow for the year, 120% of normal. There was no snow in October and April in Yakutat, but January and March snowfall totals were 190-220% of normal. November and December were also above average, while February had virtually no snow. See Appendix C for graphs related to the Yakutat site.

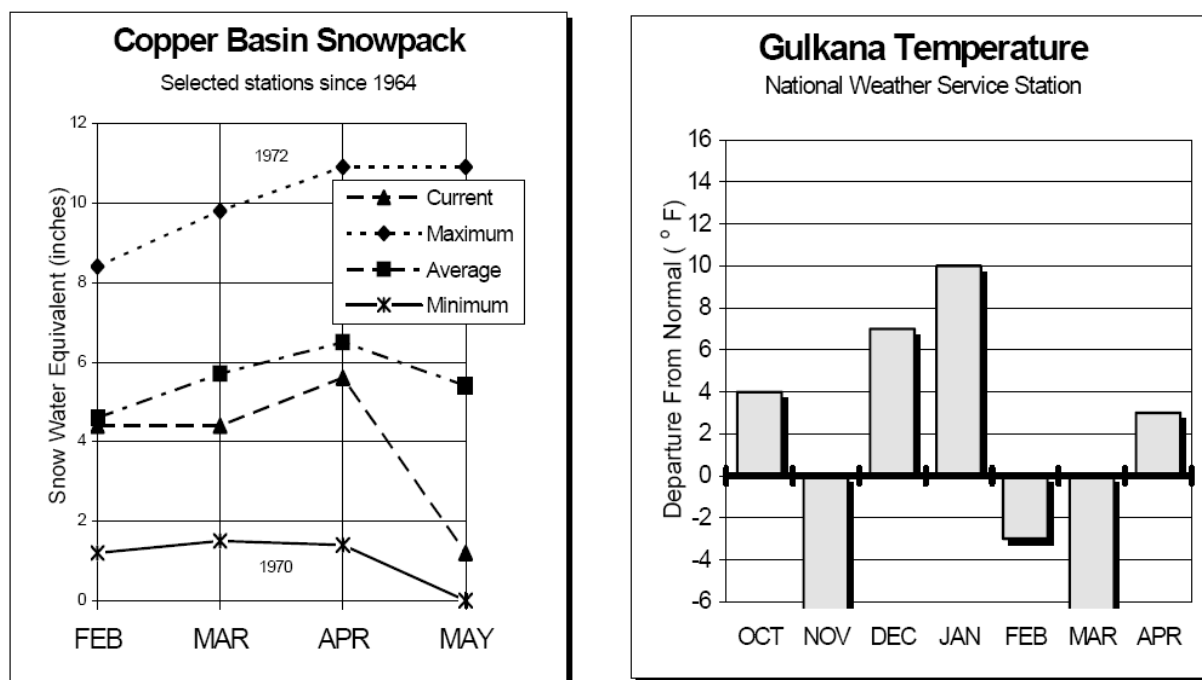


Figure 6. Copper Basin snow season. Courtesy of NRCS, Anchorage, AK

Matanuska – Susitna Basin 2006-2007 Surveys

The new Tokositna Valley SNOTEL site now provides daily measurements of precipitation and snow. The first measurable snow that persisted was on October 24, 2006. The early season measurements for the markers that were in the eastern part of the Susitna Valley were less than 50% of normal. The high elevation site was closer to normal which leads one to believe that some of the early season precipitation was falling as rain rather than snow at lower elevations.

On March 1 the sites were 64% of normal with the least amount of snow at the lower elevations. There was little change in the snowpack during the month March, but on April 1 they were 80% of normal picking up some of the moisture spinning in the Gulf of Alaska.

The snowpack melted quickly in April with temperatures that were warmer than normal. Surprisingly, there was very little snow at the south side snow markers for the May 1 survey. This is very unusual. At Tokositna Valley this was the first time in 28 years that there was not measurable snow at the marker on May 1. Many of the sites in the region set all time low records for May, including Nugget Bench in the Peters Hills. The upper elevation sites still had snow but it was about 50 to 60% of normal for this time of year. Figure 7 shows the NRCS snow survey report graphs for the area.

The precipitation gage at Tokositna Valley recorded 22.6 inches of precipitation from October 1, 2006 through May 1, 2007. The 30-year normal for annual snow water equivalent for the aerial snow marker is 22.1 inches. See appendix B for more information on the Tokositna SNOTEL data.

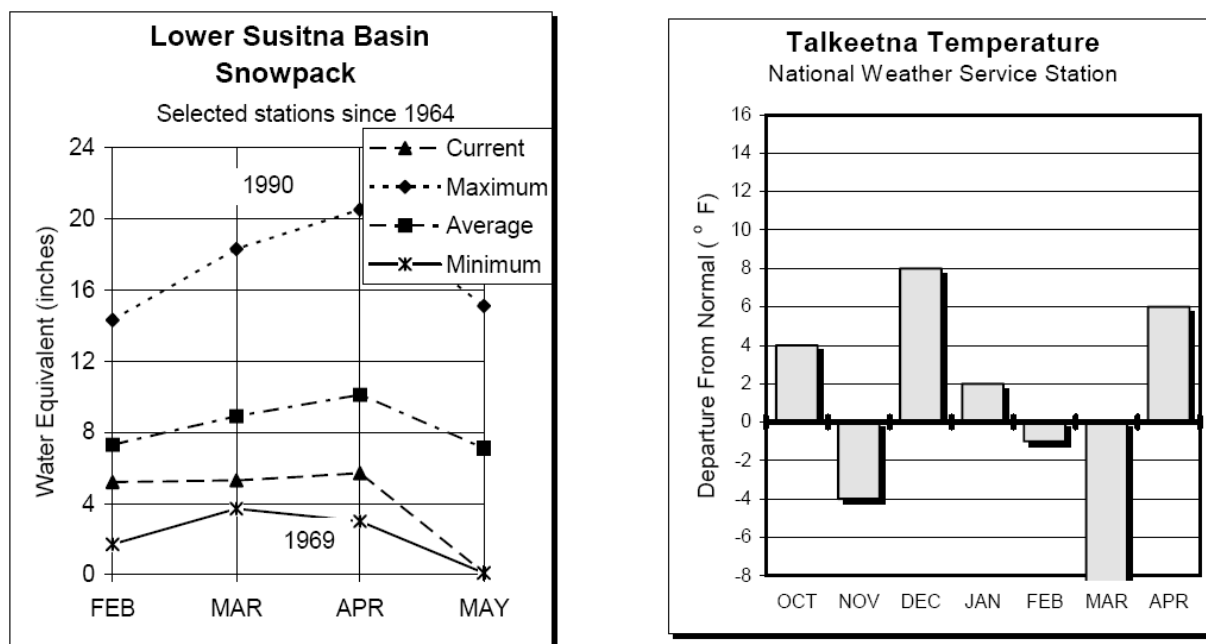


Figure 7. Lower Susitna Basin snow season. Courtesy of NRCS, Anchorage, AK

Discussion

The snowpack across the Central Alaska network varied quite a bit, mainly because the network encompasses over 21 million acres and includes north and south aspects of four major mountain ranges. Within the major ecoregions there were consistent patterns, as one might expect. In interior Alaska, the “snow –on” date, or the date in the fall which marks the 1st day of the lasting seasonal snowpack, was consistent among most sites in the network, occurring around October 21, 2006. In general, the snowpack in interior Alaska was 50 to 60% below normal for the

season, while the eastern border and the north Gulf Coast received either average or above average amounts of snow.

The severe cold temperatures in November and March were definitely a factor in the total snowfall for those months. The high pressure systems were unusually persistent. The southeast section of Wrangell- St. Elias and the eastern interior near Eagle were the only areas of the network that received more than the usual amount of snow, caused by the unusual persistence of lows that continued to spin in the Gulf of Alaska. The storm tracks moved from southwest to southeast, so the southeast pan-handle received most of the moisture from those storms, but they did move moisture up into Canada and up through the Yukon. This pattern affected the eastern portion of Alaska, up in the Central Yukon Valley around Eagle and YUCH, but did not persist much farther West than the western boundary of the preserve. The White Mountains to the east of the preserve had snowpacks below normal.

The data for WRST is interesting; the NRCS breaks the region up into the Alaska Range, Wrangell Mountains, Basin Floor, and Chugach Range. For most of the year the Alaska Range sites were comparable to most other interior sites with little snow. January brought most of the season's snow to the Wrangell Mountains, but throughout the late season there was little additional snow to add to the snowpacks. The Basin floor and the Chugach Range was about 85% of normal. The new SNOTEL sites in the area will really help to refine these numbers.

The Upper Susitna Basin did not get as much of the precipitation generated in the Gulf of Alaska as the southeastern Chugach Range or southeast Alaska, and many of the sites had record low snowpacks for May with the rapid deterioration of the snow in April. It is interesting to look at the precipitation totals for the winter season for Tokositna Valley, the snow water equivalent was about normal but the snowpack was well below normal, which means that much of the precipitation from October through May was in the form of rain rather than snow. Rain on snow events or winter rain events may become more prevalent especially at low elevations and lower latitudes within the state. The NRCS publishes Alaska snowpack maps for each month the snow surveys are done starting on Feb 1. These maps give a nice overall picture of snowpack variability around the state (See Appendix E).

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Appendix A – Snow Course Data from 2007

Snow Course data from 2007

Snow Course Data	2007								
SNOW COURSE	ELEV.	FEB		MAR		APR		May	
Name	ft.	depth	swe	depth	swe	depth	swe	depth	swe
		in.	in.	in.	in.	in.	in.	in.	in.
Talkeetna	350	***	***	16	3.3	18	3.4	0	0
Tokositna Valley	850	38	8.6	33	8.7	45	11.2	0	0
Chelatna Lake	1450	32	7.2	29	7.2	31	8.0	0	0
Nugget Bench	2010	37	8.5	33	8.5	31	9	0	0
Ramsdyke Creek	2220	55	14.6	51	14.6	45	13.0	24	8.2
Dutch Hills	3100	60	16.5	51	16.5	64	18.5	45	15.2
Fairbanks Field Off.	450	***	***	12	2.5	14	2.5	0	0
Lake Minchumina	730	***	***	15	2.3	14	2.3	0	0
Kantishna	1550	14	2.1	17	2.4	19	3.2	0	0
Tok Junction	1650	16	2.6	17	3.0	22	3.7	0	0
Jatahmund Lake	2180	12	1.7	12	1.7	16	2.8	1	0.3
Rock Creek Bottom	2250	12	2.0	14	2.2	15	2.5	0	0
Rock Creek Ridge	2600	12	2.0	14	2.0	16	2.6	0	0
Lost Creek	3030	7	0.7	8	1.0	9	1.4	0	0
Chisana	3320	***	***	***	***	***	***	***	***
Purkeypile Mine	2025	***	***	***	***	***	***	***	***
Valdez	50	44	12.1	36	10.8	39	11.8	3	0.8
Tazlina	1225	18	3.6	16	3.5	29	5.4	0	0
Kenny Lake School	1300	19	4.5	17	3.6	19	4.5	0	0
Chokosna	1550	17	3.9	16	3.9	18	3.3	***	***
May Creek	1610	16	3.0	16	3.0	18	4.0	***	***
Tsaina River	1650	48	12.9	41	12.9	47	14.3	30	12
Chistochina	1950	9	1.6	10	1.4	12	2.0	***	***
Tolsona Creek	2000	***	***	22	4.4	21	4.7	***	***
Dadina Lake	2160	35	5.8	***	***	27	5.9	***	***
Sanford River	2280	22	3.8	***	***	22	4.8	***	***
Mission Creek	900	18	3.0	16	3.3	19	4.4	0	0
Coal Creek	1000	16	1.9	16	2.0	17	2.7	0	0

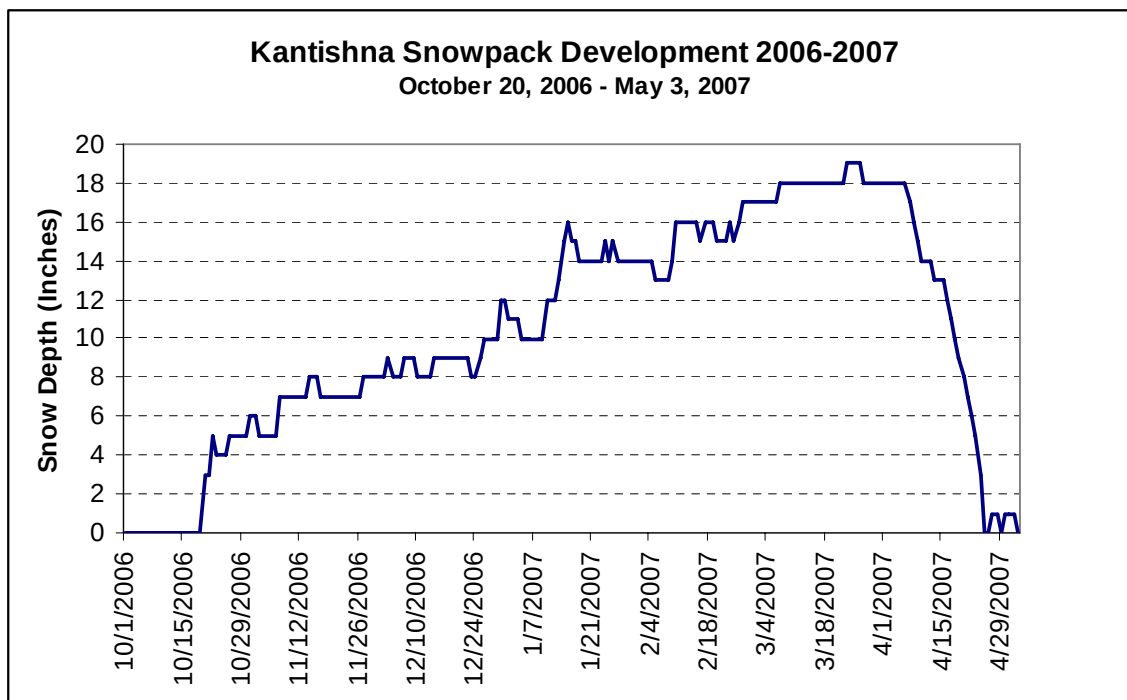
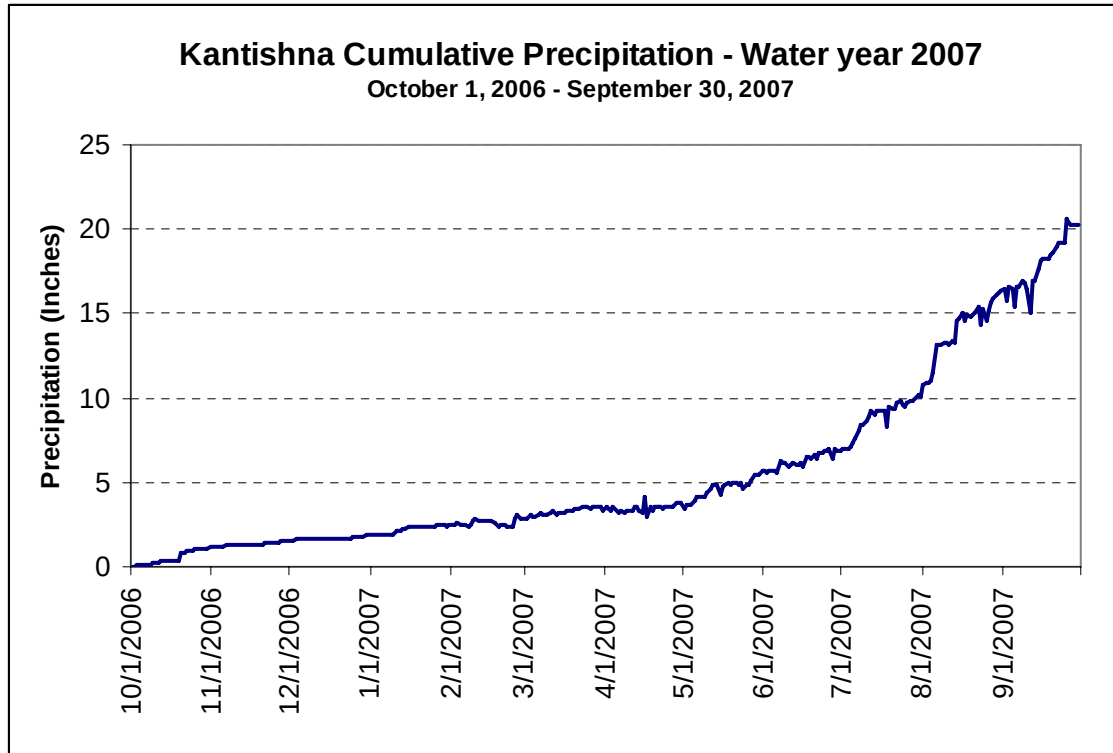
Snow Course Averages 1971-2001

Snow Course Averages	1971-2000								
SNOW COURSE	ELEV.	FEB		MAR		APR		May	
Name	ft.	depth	swe	depth	swe	depth	swe	depth	swe
		in.	in.	in.	in.	in.	in.	in.	in.
Matunuska Susitna basin									
Talkeetna	350	28	6.2	32	7.6	34	8.7	16	5.4
Tokositna Valley	850	55	13.6	67	15.7	62	18.7	43	17
Chelatna Lake	1450	36	8.3	42	10	44	11.6	33	10.9
Nugget Bench	2010	45	10.9	51	12.9	55	15.5	46	15.3
Ramsdyke Creek	2220	61	16.3	66	18.9	69	22	57	21.9
Dutch Hills	3100	69	19.6	76	23	80	27.5	74	28.7
Fairbanks Field Off.	450	21	3.5	23	4.1	23	4.5	3	0.8
Lake Minchumina	730	19	3.2	21	4	21	4.4	5	1.3
Kantishna	1550	26	4.5	28	5.3	30	5.7	15	3.1
Tok Junction	1650	17	2.6	19	3.2	19	3.6	3	0.9
Jatahmund Lake	2180	16	2.3	18	2.9	18	3.2		
Rock Creek Bottom	2250	20	3.7	22	4.2	22	4.3	8	2.2
Rock Creek Ridge	2600	24	4.3	26	4.9	26	5.3	14	4.9
Lost Creek	3030	25	4.8	26	4.8	21	4.2		
Chisana	3320			22	3.4	22	3.6		
Purkeypile Mine	2025	20	3.9	21	4.2	21	4.1	10	2.5
Valdez	50	45	11.9	51	15.5	54	17.8	33	12.6
Tazlina	1225	17	3	20	3.7	19	4.2		
Kenny Lake School	1300	14	2.6	18	3.4	17	3.7	3	0.9
Chokosna	1550			21	3.2	22	3.9		
May Creek	1610			21	3.8	21	4.5		
Tsaina River	1650	50	12.5	56	15.7	57	17.6	41	14.6
Chistochina	1950	18	3	22	3.5	22	4.1	4	1.2
Tolsona Creek	2000	19	3.2	22	3.8	22	4.1	5	2.1
Dadina Lake	2160	24	4.1	29	5.1	27	5.9		
Sanford River	2280	24	4.2	28	5.4	28	6.2	15	4
Mission Creek	900	15	3.1	18	3.6	18	4.1	2	0.5
Upper Chena	3000	28	6.2	30	6.9	33	7.8	25	7.5

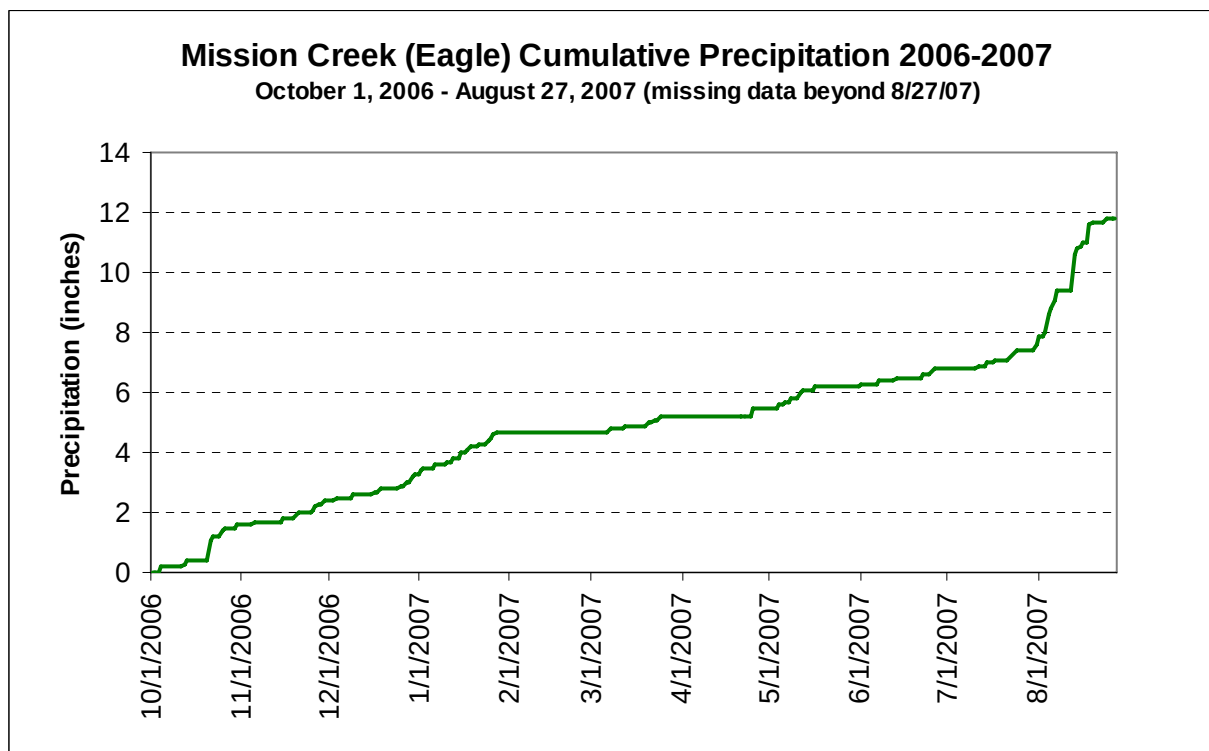
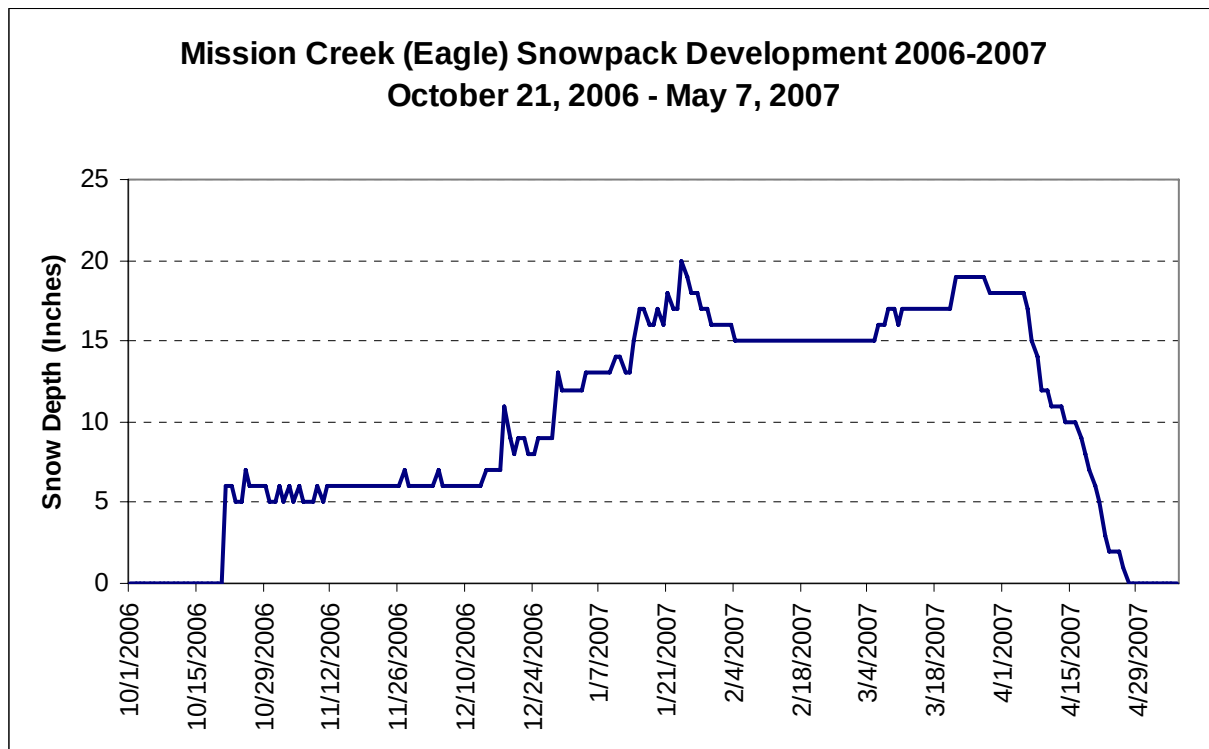
Appendix B SNOTEL Site Data

These data are available courtesy of the NRCS and are available on-line at <http://www.ambcs.org/dbArchive.html>

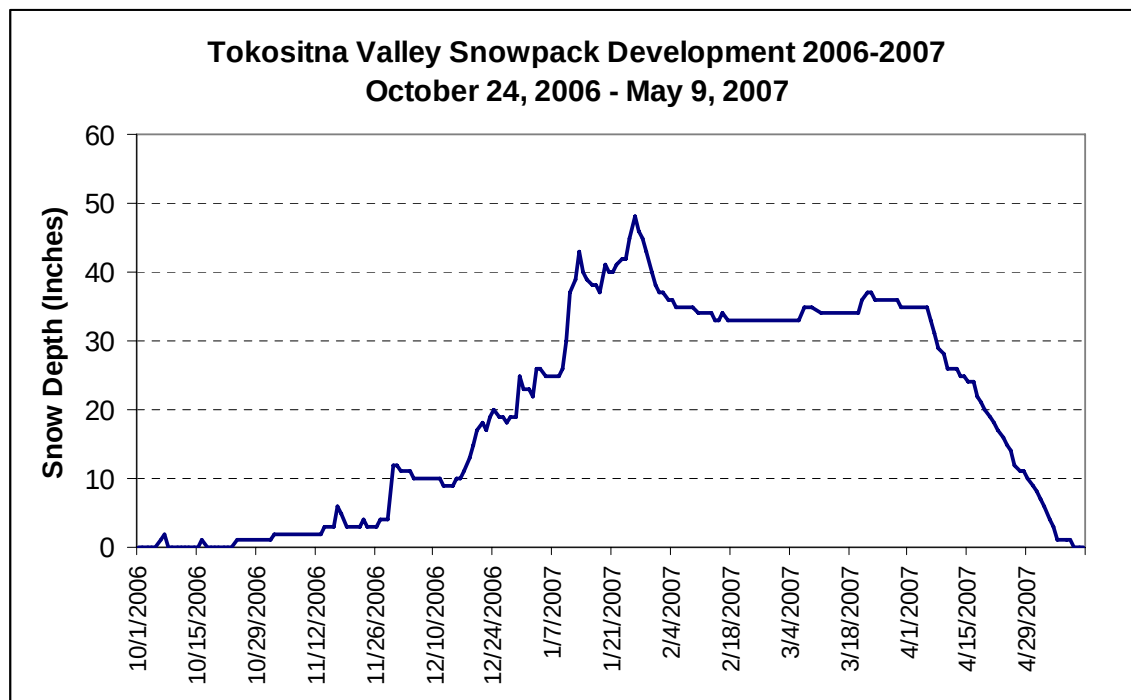
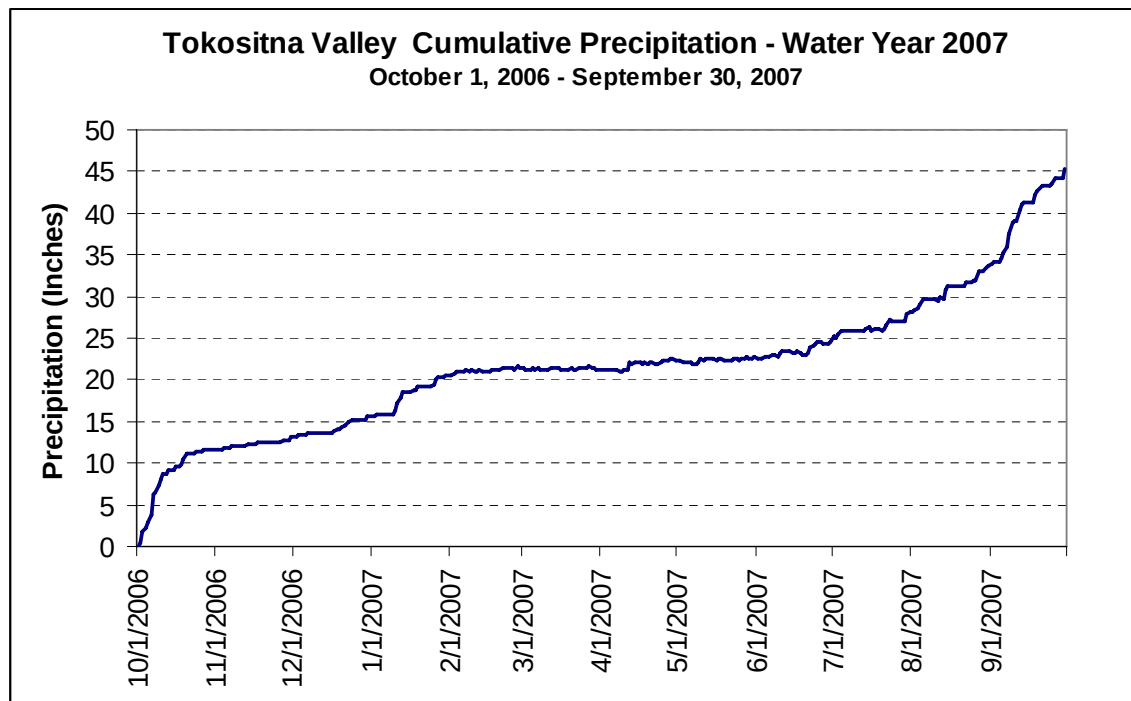
Kantishna – North Side Denali national Park and Preserve



Mission Creek – East of Yukon-Charley Rivers in Eagle.

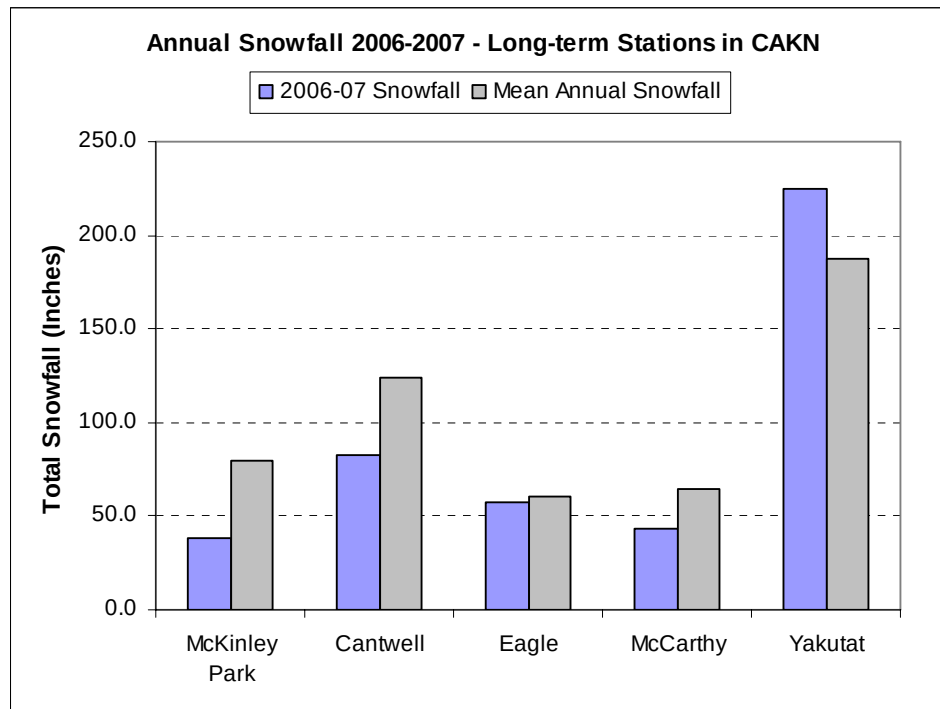


Tokositna Valley – South side of Denali National Park and Preserve



Appendix C – Long-term snowfall data –NWS COOP.

These data are available courtesy of the Western Regional Climate Center web site at <http://www.wrcc.dri.edu>



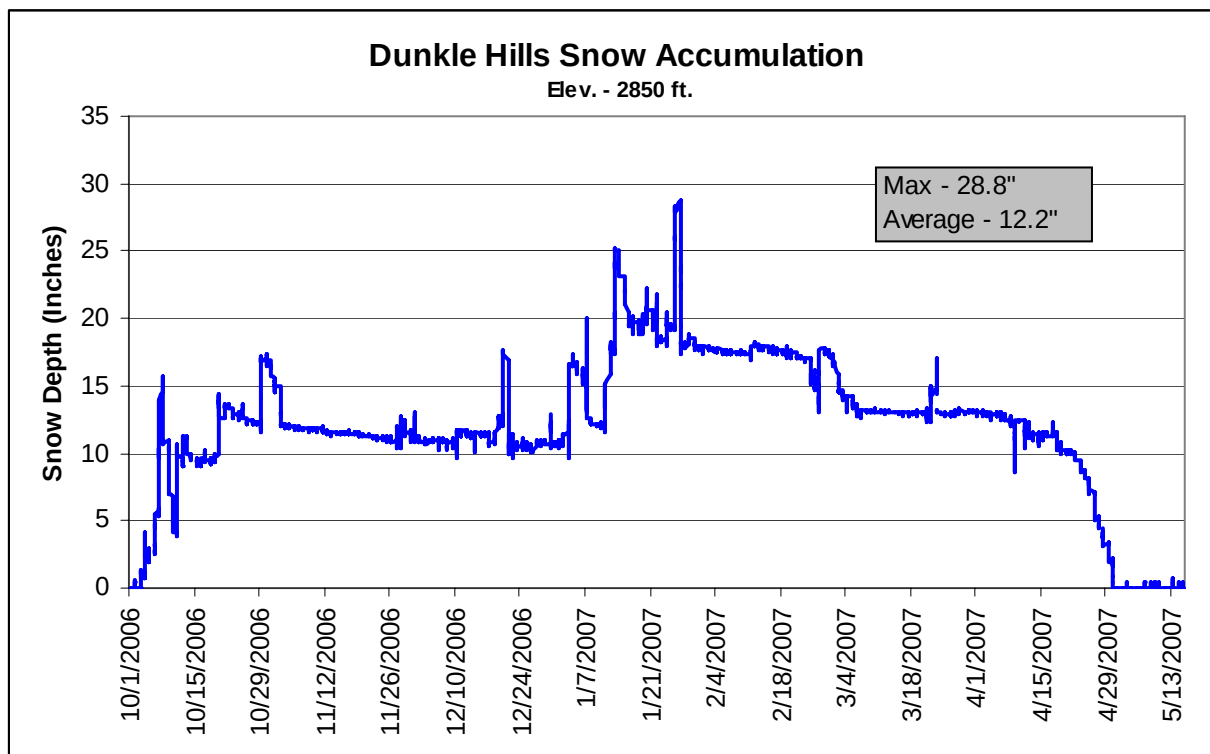
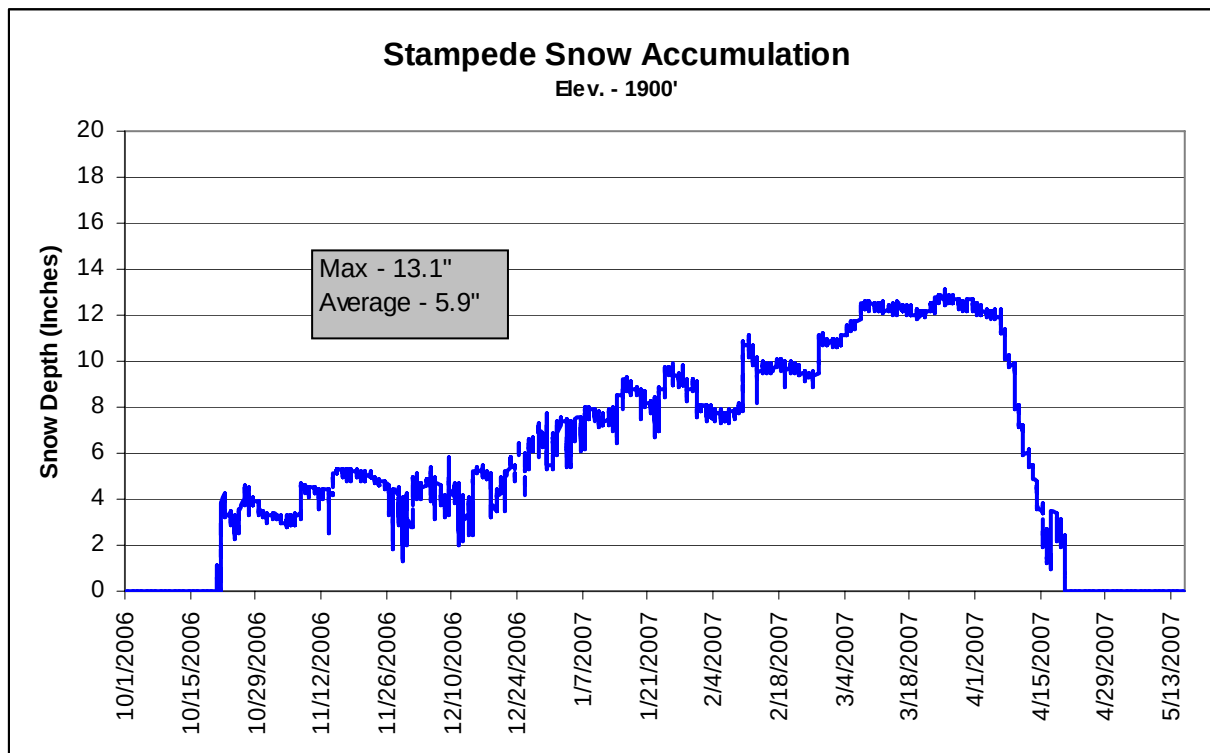
NWS COOP sites with daily snowfall measurements

Site	Water year												
McKinley Park (78)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
2006-07	0.0	0.0	0.0	2.9	2.7	13.5	7.2	7.5	2.2	1.7	0.5	0.0	38.2
MEAN	0.0	0.0	3.3	12.7	12.6	12.5	11.7	9.8	7.8	5.7	2.6	0.2	79.7
Cantwell(24)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
2006-07	0.0	0.0	2.2	18.7	0.5	25.3	19.0	2.9	4.1	1.2	8.3	0.0	82.2
MEAN	0.3	0.0	4.3	16.3	18.3	21.8	22.2	16.0	12.7	10.6	5.6	0.2	124.0
Eagle (29)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
2006-07	0.0	0.0	0.0	11.5	2.5	14.5	21.0	0.0	6.0	1.5	0.0	0.0	57.0
MEAN	0.0	0.0	0.9	9.6	10.7	11.5	7.8	6.9	5.3	3.1	0.8	0.0	60.0
McCarthy (12)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
2006-07	0.0	0.0		8.4	0.2	9.8	19.2	2.5	3.9		0.0	0.0	43.8
MEAN	0.0	0.0	2.8	9.9	13.6	12.6	12.7	8.9	5.0	2.4	0.2	0.0	64.6
Yakutat (49)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
2006-07	0.0	0.0	0.0	0.0	26.3	40.5	67.5	4.8	85.9	0.0	0.0	0.0	225.0
MEAN	0.0	0.0	0.0	4.9	21.9	36.3	35.1	35.3	36.8	15.4	1.1	0.0	187.6

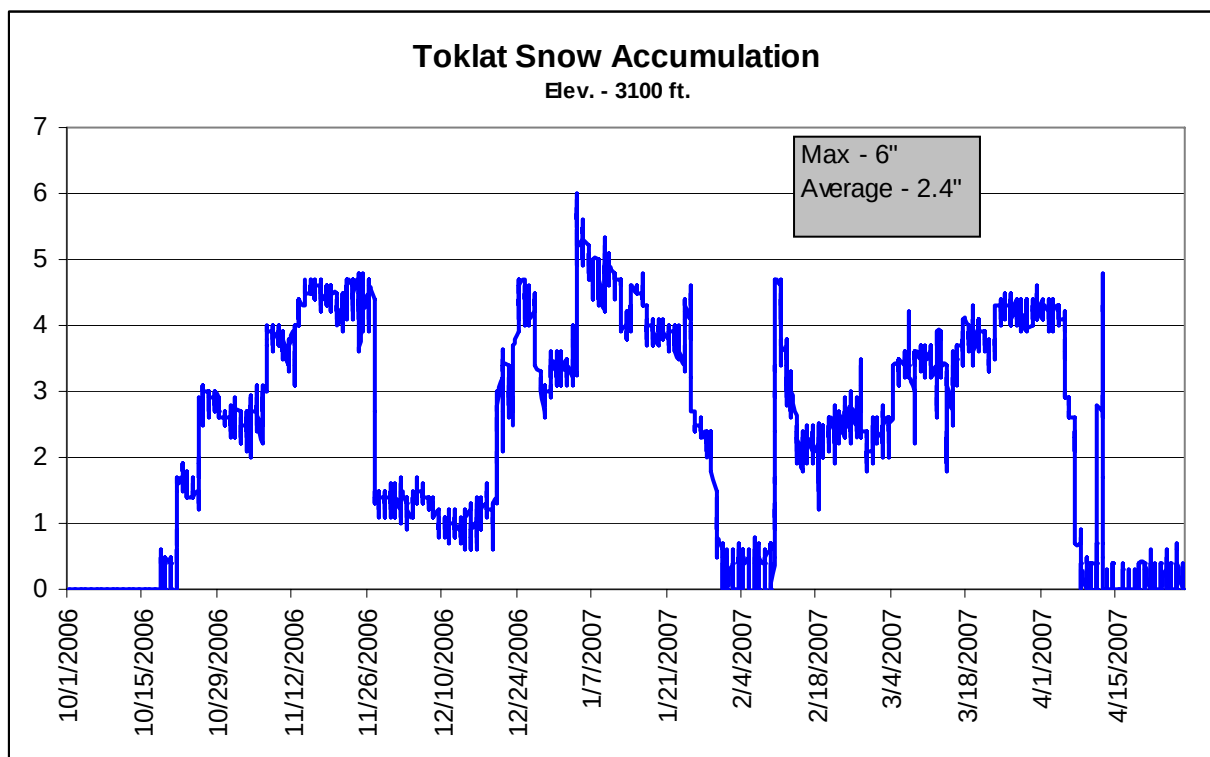
Appendix D Cumulative snow depths at Climate Sites

These data and additional graphs are available at <http://www.wrcc.dri.edu/NPS.html>.

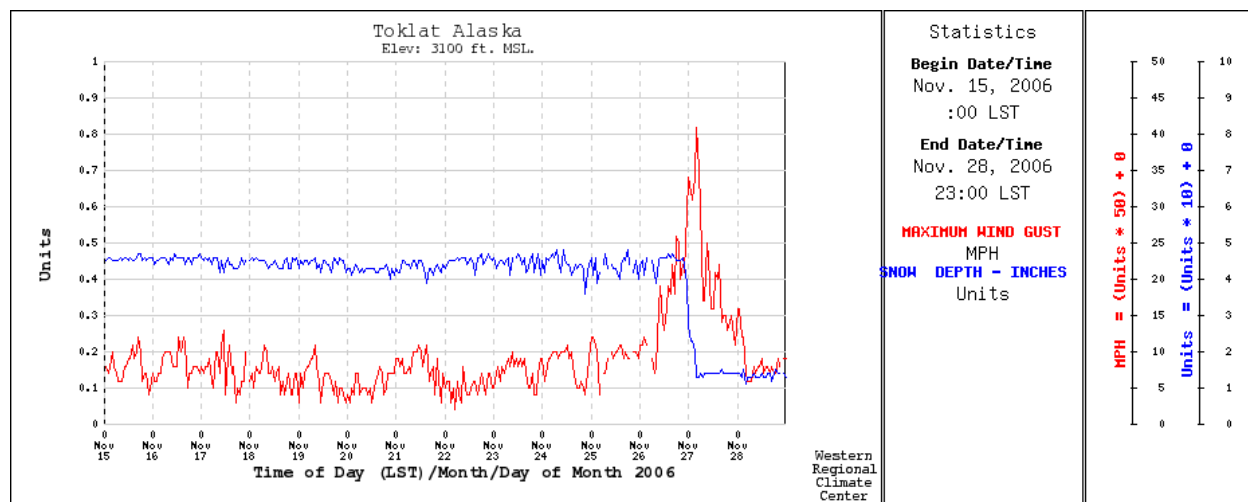
Denali National Park and Preserve



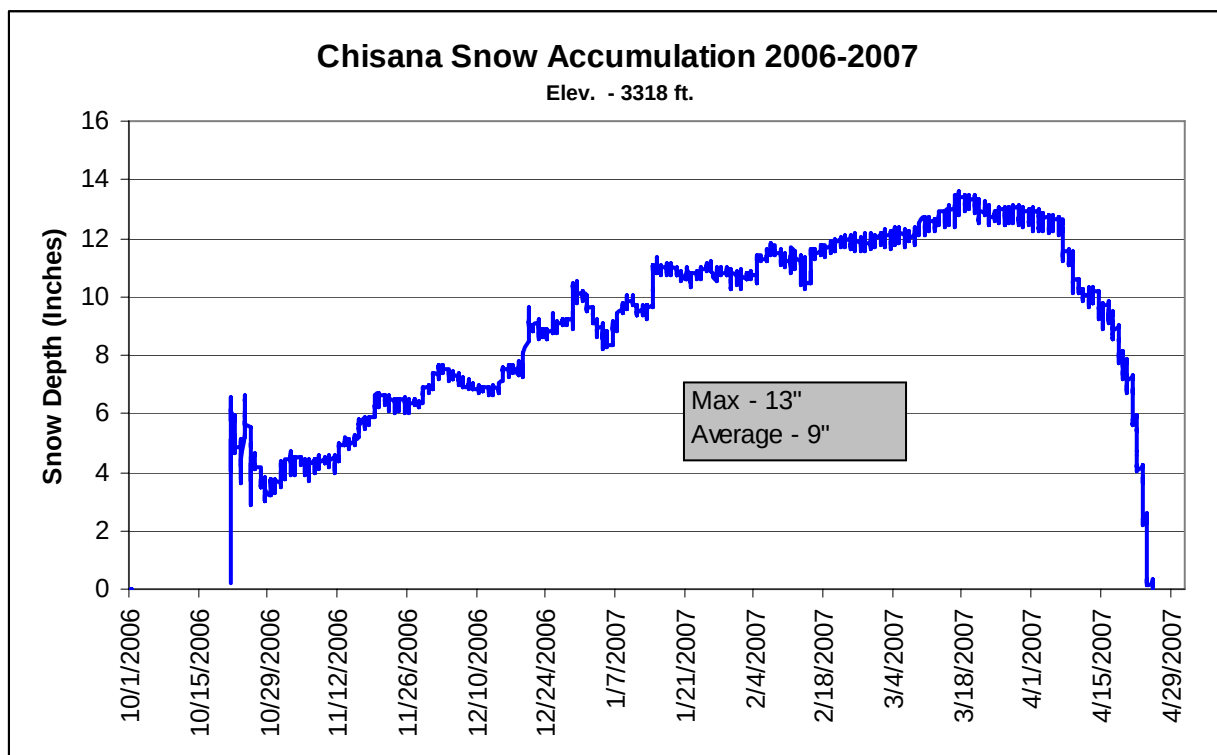
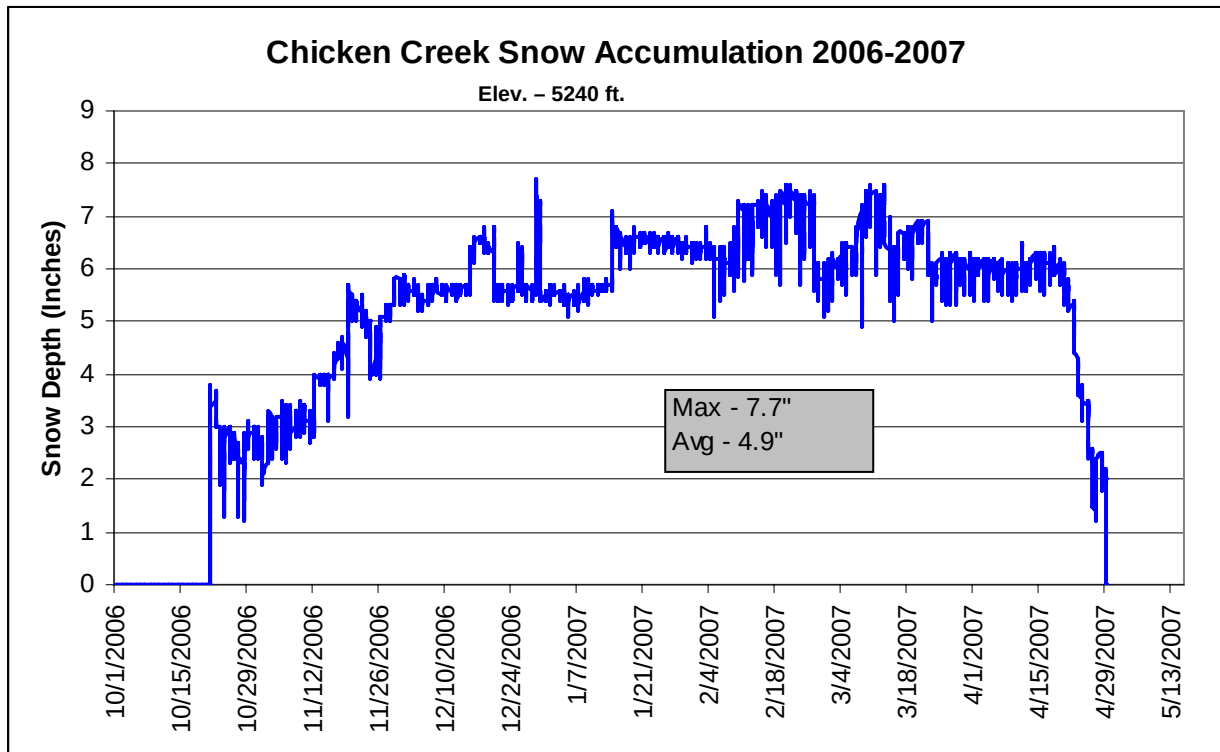
Denali National Park and Preserve continued.



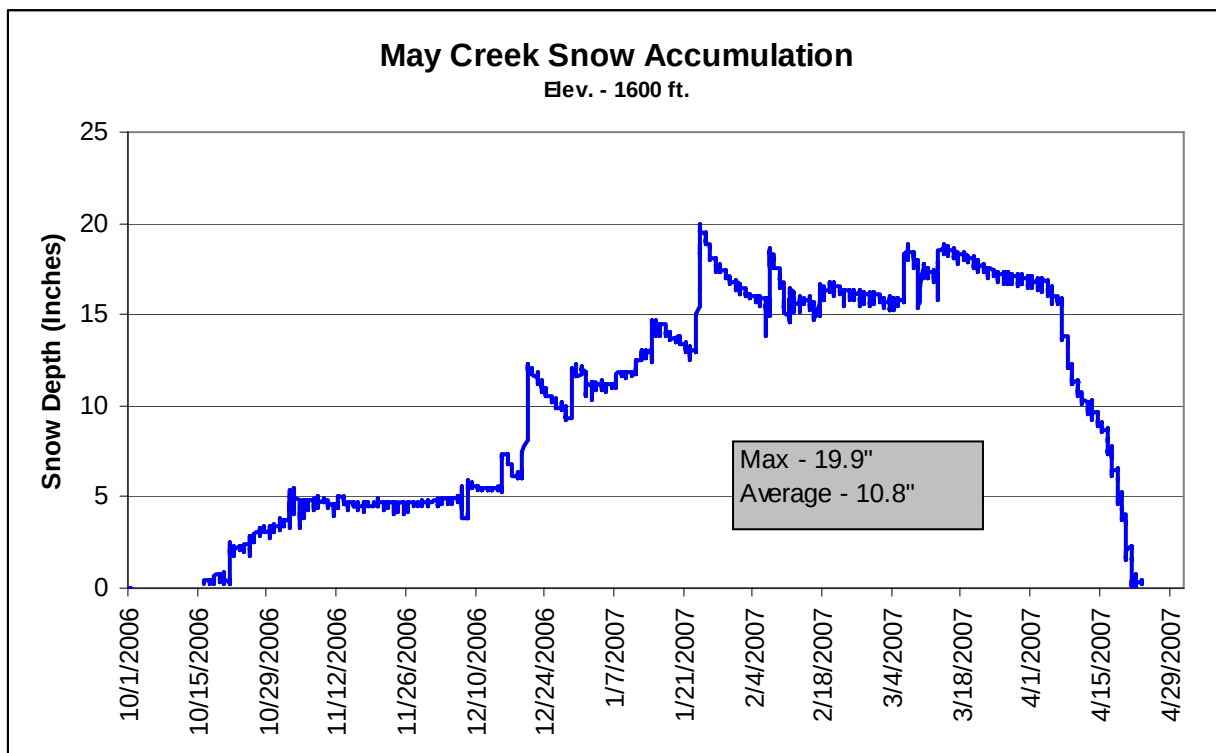
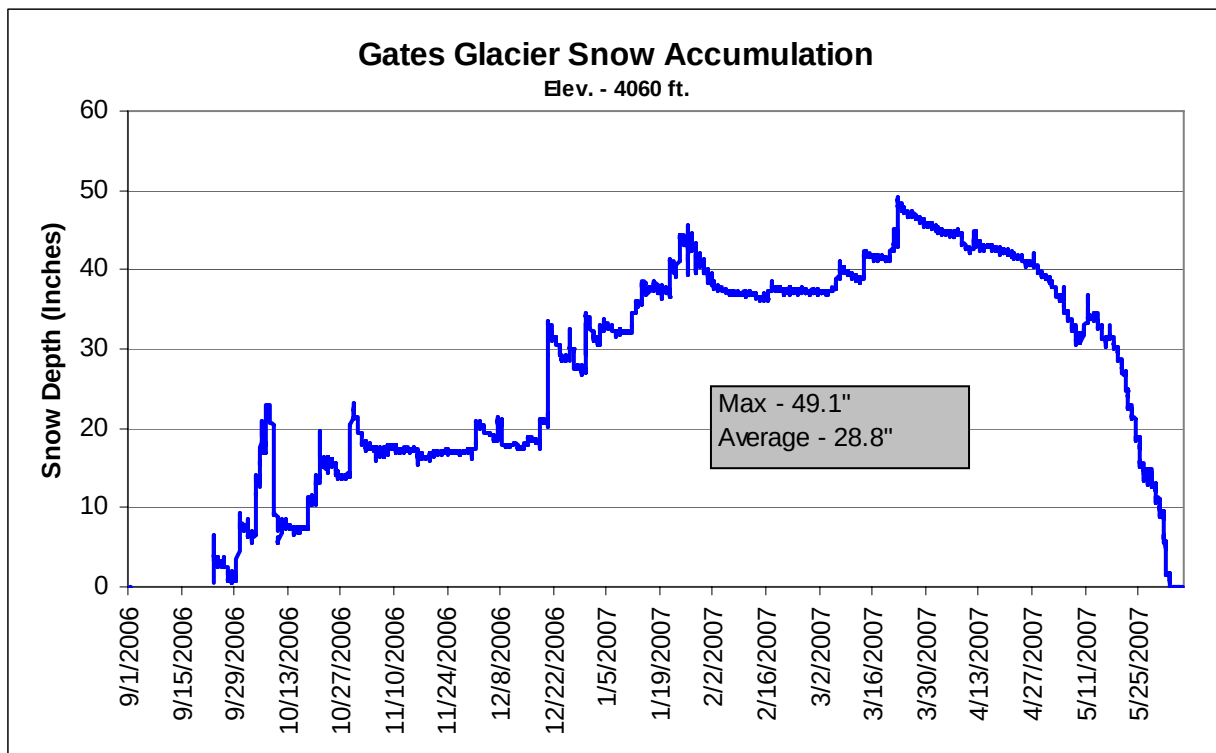
Here is a snapshot of the wind event on November 27, 2006 that caused the snowpack to lose 3 inches in a day evident in the graph above.



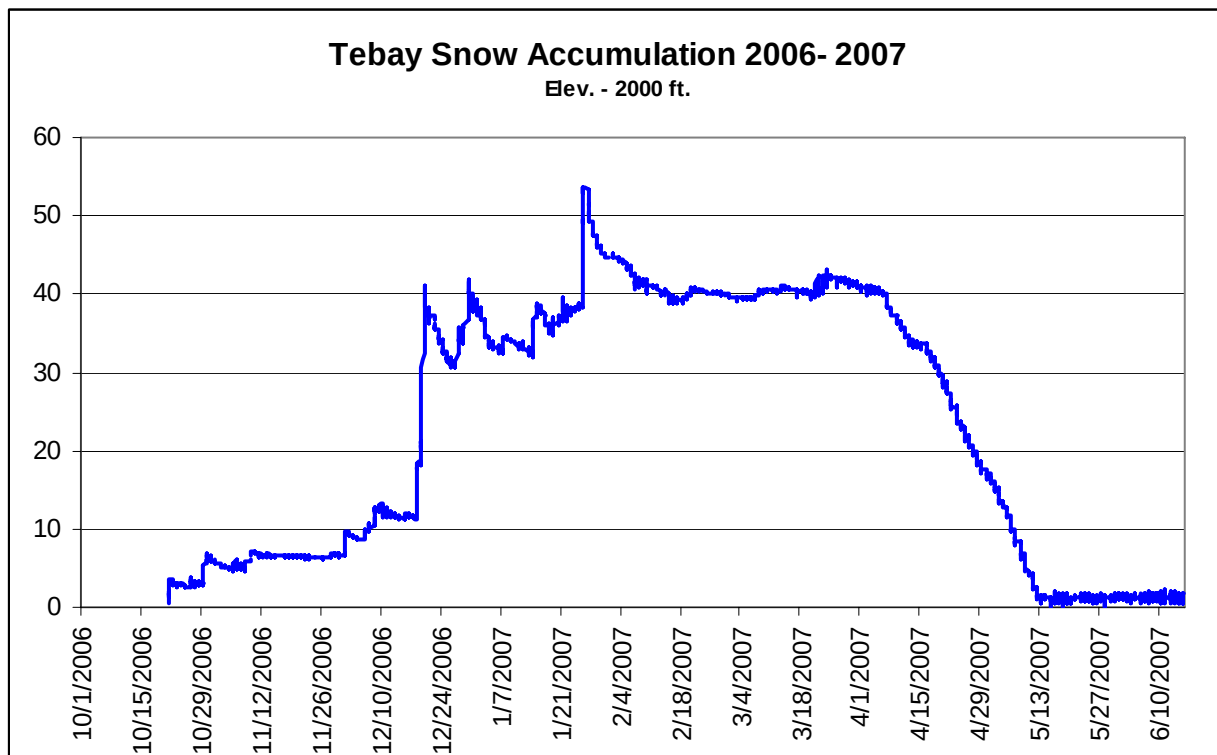
Wrangell – St. Elias National Park and Preserve



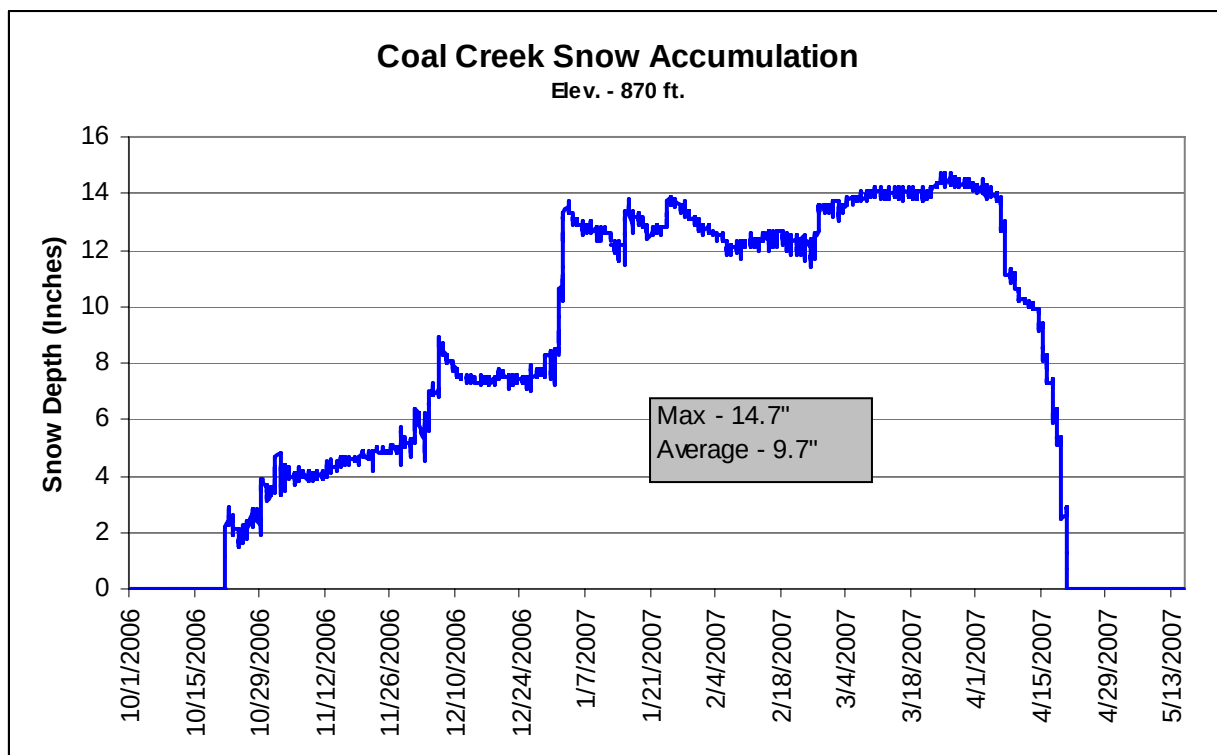
Wrangell –St. Elias National Park and Preserve continued.



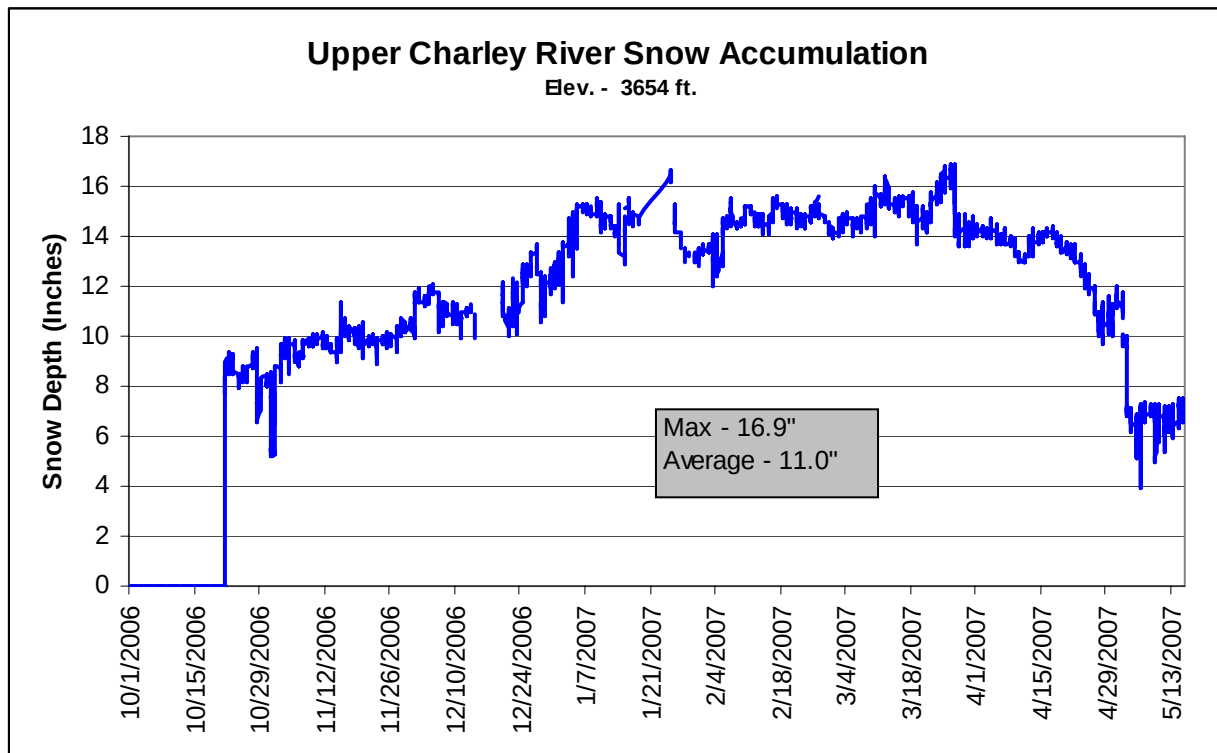
Wrangell –St. Elias National Park and Preserve continued.



Yukon-Charley Rivers National Preserve



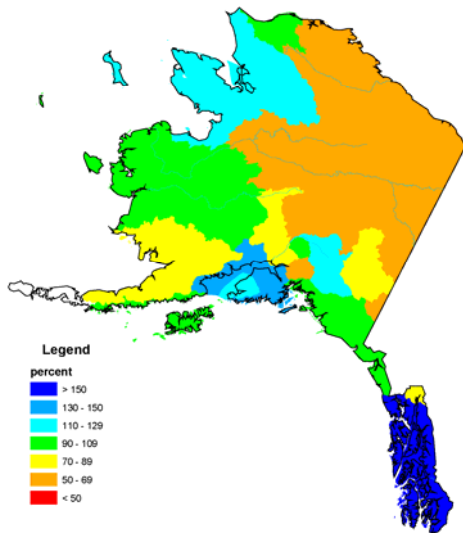
Yukon-Charley Rivers National Preserve continued.



Appendix E Statewide snowpack maps for 2006-2007.

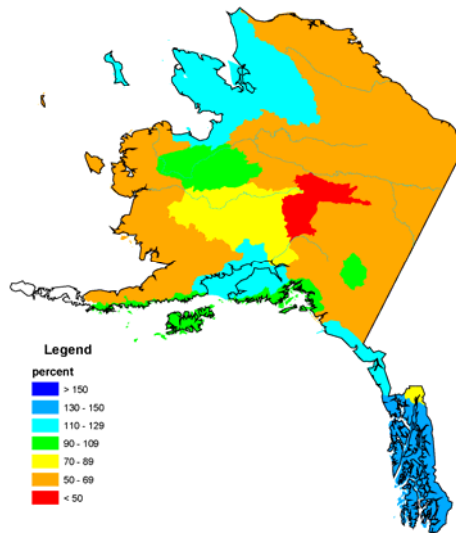
Published by the Natural Resources Conservation Service each month during the season and available online at http://www.ambcs.org/aksnow/snow_map.htm.

**Alaska Snowpack
as of February 1, 2007**



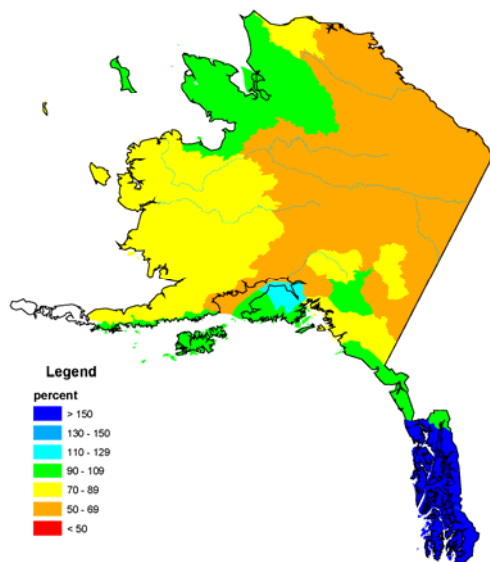
Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

**Alaska Snowpack
as of January 1, 2007**



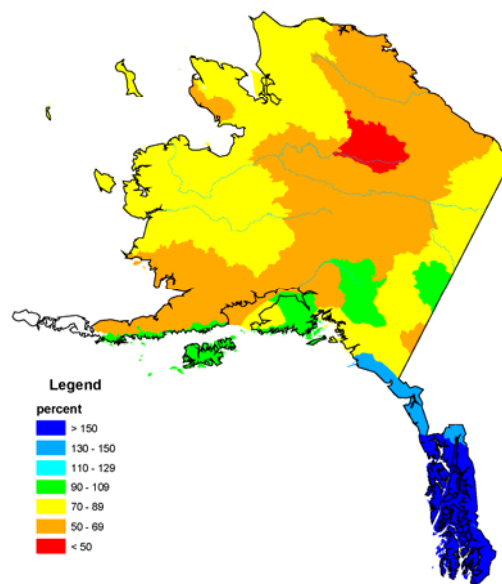
Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

**Alaska Snowpack
as of March 1, 2007**



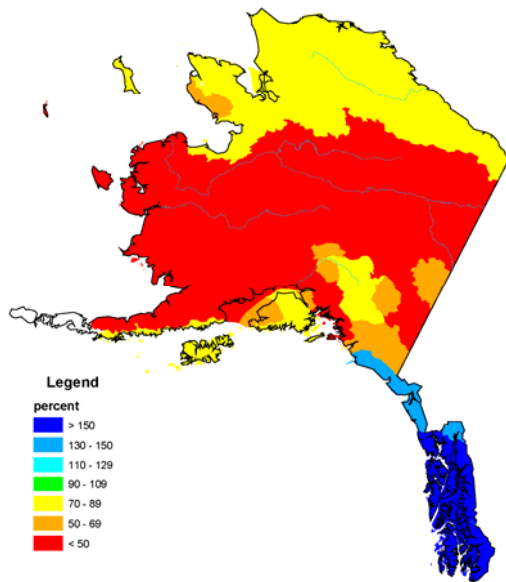
Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

**Alaska Snowpack
as of April 1, 2007**



Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

**Alaska Snowpack
as of May 1, 2007**



Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
<http://www.nwcc.nrcs.usda.gov>

Appendix F Daily Precipitation data from 3 CAKN SNOTEL sites

Kantishna SNOTEL – Denali National Park and Preserve

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
10/1/2006	0	46.9	24.1	33.2	0	57	0
10/2/2006	0	46	30.3	36.4	0	49	0
10/3/2006	0.1	54	29.3	38.4	0	65	0
10/4/2006	0.1	45.1	29.2	36.1	0	36	0
10/5/2006	0.1	38.3	27.9	32.9	0	24	0.1
10/6/2006	0.1	46.2	27.9	36	0	45	0.1
10/7/2006	0.1	43.4	30.8	36.5	0	30	0.1
10/8/2006	0.1	49.9	30.9	39.2	0	27	0.1
10/9/2006	0.2	66.8	38.8	52.9	0	54	0.1
10/10/2006	0.2	52.9	30	40.7	0	23	0.2
10/11/2006	0.2	44.8	29.4	36.1	0	29	0.2
10/12/2006	0.3	43.3	28.3	35	0	42	0.2
10/13/2006	0.4	32.5	20.2	26.1	0	40	0.2
10/14/2006	0.4	41	16.3	28.1	0	31	0.2
10/15/2006	0.4	33.1	25.7	29.4	0	31	0.2
10/16/2006	0.4	40.9	25.1	31.2	0	27	0.2
10/17/2006	0.4	38.4	23.4	28.8	0	30	0.2
10/18/2006	0.4	34.9	22.7	27.5	0	26	0.2
10/19/2006	0.4	35	24	30	0	18	0.3
10/20/2006	0.8	36.1	25	32.6	3	3	0.3
10/21/2006	0.8	30	16.3	25	3	6	0.3
10/22/2006	1	30.1	11.7	22.4	5	5	0.3
10/23/2006	1	29.2	10.5	22.5	4	4	0.3
10/24/2006	1	22	4.4	14.9	4	4	0.3
10/25/2006	1.1	22.3	2.8	14.2	4	4	0.3
10/26/2006	1.1	20.5	9.1	15.3	5	3	0.3
10/27/2006	1.1	16.9	1.8	10.9	5	2	0.3
10/28/2006	1.1	33.2	4.1	23.5	5	3	0.3
10/29/2006	1.1	34.6	22.5	29.5	5	3	0.3
10/30/2006	1.1	31.8	25.6	29	5	2	0.3
10/31/2006	1.2	28.2	6.2	21.1	6	2	0.3
11/1/2006	1.2	19.1	5.7	11.1	6	3	0.3

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
11/2/2006	1.2	9.6	-8.6	0	5	2	0.3
11/3/2006	1.2	5.3	-8.9	-3.3	5	2	0.3
11/4/2006	1.2	-2.1	-16.3	-10	5	1	0.3
11/5/2006	1.2	-0.4	-16.5	-9.5	5	1	0.3
11/6/2006	1.3	10.6	-11.6	1.2	5	2	0.3
11/7/2006	1.3	7.8	-12.1	-2.7	7	2	0.3
11/8/2006	1.3	-6.3	-19.8	-14.4	7	1	0.3
11/9/2006	1.3	-10.7	-21.3	-17.3	7	1	0.3
11/10/2006	1.3	2.8	-10.7	-3.6	7	1	0.3
11/11/2006	1.3	-1.3	-12.1	-7.9	7	1	0.3
11/12/2006	1.3	12.9	-11.4	2.2	7	1	0.3
11/13/2006	1.3	5.8	-24.1	-13.7	7	1	0.3
11/14/2006	1.3	-2.5	-26.6	-12.5	8	1	0.3
11/15/2006	1.3	-11.9	-20.1	-16.4	8	1	0.3
11/16/2006	1.3	1.3	-24.6	-13.3	8	1	0.3
11/17/2006	1.3	-12.1	-21.2	-17	7	0	0.3
11/18/2006	1.3	-14.7	-22.5	-19.8	7	0	0.3
11/19/2006	1.3	-15.2	-22.9	-18.6	7	0	0.3
11/20/2006	1.3	-10.8	-21.9	-15.9	7	0	0.3
11/21/2006	1.4	-1.5	-22.5	-13.8	7	0	0.3
11/22/2006	1.4	4.3	-15.2	-2.2	7	1	0.3
11/23/2006	1.4	-13.9	-30.6	-24.1	7	0	0.3
11/24/2006	1.4	-27.5	-32.5	-30.1	7	0	0.3
11/25/2006	1.4	-13.7	-30.3	-24.8	7	0	0.3
11/26/2006	1.4	-3.2	-25.9	-18.1	7	0	0.3
11/27/2006	1.5	24.3	-13.6	6.4	8	0	0.3
11/28/2006	1.5	17.2	-0.1	9.3	8	0	0.3
11/29/2006	1.5	8.5	-6.7	0	8	0	0.3
11/30/2006	1.5	25	-6.3	8.6	8	0	0.3
12/1/2006	1.5	23.5	2.2	13.1	8	0	0.3
12/2/2006	1.5	14.5	-15.5	-6.1	8	0	0.3
12/3/2006	1.6	13.5	-15	1.5	9	0	0.3
12/4/2006	1.6	19.1	11.1	14.2	8	0	0.3
12/5/2006	1.6	17.5	-0.8	8.1	8	0	0.3

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
12/6/2006	1.6	19.3	0.7	11.9	8	0	0.3
12/7/2006	1.6	23.3	7.9	16.9	9	0	0.3
12/8/2006	1.6	40.4	8.6	19.3	9	0	0.3
12/9/2006	1.6	39.6	16	27.1	9	3	0.4
12/10/2006	1.6	22.4	12.8	18.4	8	1	0.4
12/11/2006	1.6	19	-1	7.9	8	1	0.4
12/12/2006	1.6	8.4	-9.1	0.5	8	2	0.4
12/13/2006	1.6	6.5	-9.6	0.3	8	0	0.4
12/14/2006	1.7	7.7	-3	5.1	9	1	0.4
12/15/2006	1.7	-3	-18.7	-10.3	9	0	0.4
12/16/2006	1.7	2.4	-21.6	-14.4	9	1	0.4
12/17/2006	1.7	-4.8	-15.5	-11.5	9	0	0.4
12/18/2006	1.7	1.3	-4.8	-1.3	9	0	0.4
12/19/2006	1.7	1.5	-13.2	-5.9	9	0	0.4
12/20/2006	1.7	3.2	-7.2	-1.8	9	0	0.4
12/21/2006	1.7	-0.6	-12.6	-7.8	9	0	0.4
12/22/2006	1.7	-3	-20.9	-12.9	9	0	0.4
12/23/2006	1.7	-0.4	-14.9	-6	8	0	0.4
12/24/2006	1.7	-0.1	-22.9	-11.3	8	0	0.4
12/25/2006	1.8	-0.3	-15.7	-5.6	9	0	0.4
12/26/2006	1.8	6.4	-14.9	-1.9	10	0	0.4
12/27/2006	1.8	-0.8	-20.6	-12.9	10	0	0.4
12/28/2006	1.8	19.2	-6.7	1.6	10	0	0.4
12/29/2006	1.8	9.4	-6.4	-1.1	10	0	0.4
12/30/2006	1.9	7.3	-10	2.8	12	0	0.4
12/31/2006	1.9	-1.8	-22.5	-11.6	12	0	0.4
1/1/2007	1.9	-13.4	-30.4	-23	11	0	0.4
1/2/2007	1.9	-21	-29.5	-24	11	0	0.4
1/3/2007	1.9	-14.7	-24.5	-19	11	0	0.4
1/4/2007	1.9	-12.9	-32.9	-25.6	10	0	0.4
1/5/2007	1.9	-19.7	-31.8	-26.3	10	0	0.4
1/6/2007	1.9	-27.6	-35.1	-32.3	10	0	0.4
1/7/2007	1.9	-18.4	-36.1	-27.1	10	0	0.4
1/8/2007	1.9	-22.9	-35.5	-30.8	10	0	0.4
1/9/2007	1.9	-11.3	-38.1	-27	10	0	0.4

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
1/10/2007	2	28.1	-34.9	0.9	12	0	0.4
1/11/2007	2.1	29.8	9.3	23.6	12	0	0.4
1/12/2007	2.1	23.5	-0.3	12.9	12	0	0.4
1/13/2007	2.2	24	-0.8	12	13	0	0.4
1/14/2007	2.3	14.7	-0.7	6.3	15	0	0.4
1/15/2007	2.4	18.7	-4.5	10.3	16	0	0.4
1/16/2007	2.4	5.7	-12.4	-2.1	15	0	0.4
1/17/2007	2.4	24.3	-1	11.4	15	0	0.4
1/18/2007	2.4	22.4	-2	5.5	14	0	0.4
1/19/2007	2.4	23	3.3	15.8	14	0	0.4
1/20/2007	2.4	11.7	-8.3	2.6	14	0	0.4
1/21/2007	2.4	2.9	-8.6	-1.9	14	1	0.4
1/22/2007	2.4	9.7	-10.9	2.3	14	0	0.4
1/23/2007	2.4	2.8	-13.6	-5.4	14	0	0.4
1/24/2007	2.4	-0.8	-22.5	-7	15	0	0.4
1/25/2007	2.4	30.6	-26.4	-16.4	14	0	0.4
1/26/2007	2.5	32	-8.3	5.8	15	0	0.4
1/27/2007	2.5	24.7	8.6	16.2	14	0	0.4
1/28/2007	2.5	30.1	9.2	19.7	14	0	0.4
1/29/2007	2.5	33.1	12.5	21.7	14	0	0.4
1/30/2007	2.4	46.9	21.4	35.9	14	10	0.9
1/31/2007	2.5	38.2	23	28.4	14	17	0.9
2/1/2007	2.5	35.2	14	23.9	14	14	0.9
2/2/2007	2.5	35.9	20.8	26.8	14	10	0.9
2/3/2007	2.6	24.4	10.7	18.2	14	7	0.9
2/4/2007	2.5	24.7	6.7	14.1	14	13	0.9
2/5/2007	2.5	12	-3.7	3	13	6	0.9
2/6/2007	2.5	11.1	-7.9	1	117	6	0.9
2/7/2007	2.4	8.1	-10.6	-3.2	114	6	0.9
2/8/2007	2.5	14.8	-5.3	7.6	117	7	0.9
2/9/2007	2.7	16.6	8.6	11.4	14	7	0.9
2/10/2007	2.8	11	-7.9	6.6	16	3	0.9
2/11/2007	2.7	4.2	-17.5	-9.6	3	2	0.9
2/12/2007	2.7	5.5	-21.7	-12	0	1	0.9
2/13/2007	2.7	6.3	-12	-2.8	3	1	0.9

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
2/14/2007	2.7	11	-8.6	0.5	16	5	0.9
2/15/2007	2.7	3.5	-13.8	-4.6	16	2	0.9
2/16/2007	2.7	-0.1	-15.4	-8.6	15	4	0.9
2/17/2007	2.6	-1.5	-30.1	-9	16	2	0.9
2/18/2007	2.5	-10.9	-35.6	-25.7	16	2	0.9
2/19/2007	2.4	-16.2	-36	-28.9	16	2	0.9
2/20/2007	2.5	-7.5	-31.3	-23.1	15	3	0.9
2/21/2007	2.5	-7.4	-30.9	-22.8	15	3	0.9
2/22/2007	2.4	-15.2	-37.4	-25	15	6	0.9
2/23/2007	2.4	-19.8	-43.4	-33.3	16	4	0.9
2/24/2007	2.4	-10.6	-37.8	-26.2	15	5	0.9
2/25/2007	2.9	12.1	-30.2	-9.6	16	7	0.9
2/26/2007	3.1	10.6	-0.1	7.2	17	8	0.9
2/27/2007	2.9	4.7	-26.5	-10.8	17	5	0.9
2/28/2007	2.8	-13.5	-37.4	-26	17	6	0.9
3/1/2007	2.8	-14.4	-41.9	-30.2	17	6	0.9
3/2/2007	2.8	-13.2	-39.7	-28.2	17	7	0.9
3/3/2007	3.1	4.8	-29.8	-12.1	17	7	0.9
3/4/2007	3	-3.3	-37	-11.2	17	7	0.9
3/5/2007	3	-13.6	-38.5	-26.4	17	7	0.9
3/6/2007	3.1	-17.2	-38.4	-26.4	17	8	0.9
3/7/2007	3.2	-11.7	-26.4	-17.8	18	5	0.9
3/8/2007	3.1	-8.4	-27.6	-19.3	18	8	0.9
3/9/2007	3.1	-4.7	-27.2	-16.3	18	9	0.9
3/11/2007	3.2	-8.5	-32.1	-18.3	18	7	0.9
3/12/2007	3.3	0	-26.6	-12.4	18	7	0.9
3/13/2007	3.1	-5.6	-30.6	-15.3	18	7	0.9
3/14/2007	3.2	-7.3	-35.1	-21.7	18	10	0.9
3/15/2007	3.2	-6.2	-35.1	-19.5	18	11	0.9
3/16/2007	3.2	2.7	-34.2	-17.8	18	12	0.9
3/17/2007	3.3	7.8	-26.9	-12	18	12	0.9
3/18/2007	3.3	9.2	-20.2	-6.6	18	13	0.9
3/19/2007	3.3	11.3	-17.7	-5.6	18	14	0.9
3/20/2007	3.4	12.9	-15.7	-0.7	18	16	0.9
3/21/2007	3.4	12.2	-6.2	6	18	9	0.9

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
3/22/2007	3.4	18.4	-13.4	6.5	18	16	0.9
3/23/2007	3.5	7.7	-18.2	-3.8	19	12	0.9
3/24/2007	3.5	12.2	-17.6	-4.2	19	16	0.9
3/25/2007	3.5	14.6	-20.1	-3.3	19	20	0.9
3/26/2007	3.4	22.7	-10.5	4.6	19	24	0.9
3/27/2007	3.5	20.2	-5.9	5	18	32	0.9
3/28/2007	3.5	19.3	-11.7	3.9	18	40	0.9
3/29/2007	3.5	29.2	-8.2	8.6	18	65	0.9
3/30/2007	3.5	30.9	-3.1	13.5	18	144	0.9
3/31/2007	3.3	32.7	5.5	20.2	18	119	0.9
4/1/2007	3.5	38.7	9.2	22.8	18	122	1.1
4/2/2007	3.4	37.7	7	21.2	18	125	1.1
4/3/2007	3.3	38.5	12	25.2	18	122	1.1
4/4/2007	3.5	35	16.1	27.6	18	117	1.1
4/5/2007	3.3	38.4	12.2	25.6	18	121	1.1
4/6/2007	3.2	48.7	15	33.2	18	134	1.1
4/7/2007	3.3	47	31.5	41.6	17	107	1.1
4/8/2007	3.2	47.9	28.8	37.5	16	146	1.1
4/9/2007	3.3	49.3	28.3	38.1	15	124	1.1
4/10/2007	3.3	45.1	30.5	36.8	14	98	1.1
4/11/2007	3.3	41	30.7	35.7	14	96	1.1
4/12/2007	3.5	39.4	26.2	33.1	14	96	1.1
4/13/2007	3.6	38.1	24.6	31.4	13	89	1.1
4/14/2007	3.3	41.4	21.2	31.4	13	135	1.1
4/15/2007	3.2	46.3	18.1	32.3	13	187	1.1
4/16/2007	4.1	48.7	19.6	34.5	12	171	1.1
4/17/2007	3	51.2	23.3	38.1	11	165	1.1
4/18/2007	3.5	48.8	29.9	37.6	10	103	1.1
4/19/2007	3.3	51.6	25.4	38.1	9	165	1.1
4/20/2007	3.6	47.4	29.7	37.6	8	108	1.1
4/21/2007	3.5	55.6	21.7	38.1	7	200	1.1
4/22/2007	3.5	56	25.6	40.7	6	204	1.1
4/23/2007	3.4	56.6	21.1	41.8	5	172	1.1
4/24/2007	3.6	54.9	30.3	41.1	3	159	1.1
4/25/2007	3.5	55.1	28.2	40.6	0	144	1.1

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
4/26/2007	3.6	53.4	25	39.8	0	190	1.1
4/27/2007	3.6	47.4	20.9	34.8	1	211	1.1
4/28/2007	3.8	44.8	26.1	34.2	1	111	1.2
4/29/2007	3.8	49.1	24.4	36.5	0	192	1.2
4/30/2007	3.8	53.3	24.3	38.7	1	157	1.2
5/1/2007	3.4	57.1	26.5	42.7	1	220	1.2
5/2/2007	3.7	55.6	28.2	42.6	1	148	1.2
5/3/2007	3.7	55.5	27.7	42.5	0	158	1.2
5/4/2007	3.7	57.5	31.7	43.7	0	163	1.2
5/5/2007	3.9	52.1	24.2	41.2	0	128	1.4
5/6/2007	4.1	42.8	34.3	37.7	0	121	1.5
5/7/2007	4.1	42.6	33.3	37.9	0	114	1.5
5/8/2007	4.1	45	30.1	38.3	0	134	1.5
5/9/2007	4.1	52.6	27.3	39.8	0	189	1.5
5/10/2007	4.4	49.7	31.9	38.6	0	141	1.8
5/11/2007	4.6	44.8	30.9	37.2	0	94	2
5/12/2007	4.9	42.6	32.1	37.6	0	111	2.1
5/13/2007	4.8	45.5	31.9	37.9	1	142	2.3
5/14/2007	4.8	57.4	29.7	43.9	0	213	2.3
5/15/2007	4.3	58.1	31.1	45.9	0	129	2.3
5/16/2007	4.7	63.1	30.1	48.3	0	258	2.3
5/17/2007	4.8	61.9	31.2	47	0	266	2.3
5/18/2007	5	54.2	35.7	46.5	0	115	2.3
5/19/2007	4.9	61.6	31.5	47.7	0	202	2.3
5/20/2007	5	63.6	33.4	48.5	0	188	2.4
5/21/2007	5	58.8	33.5	47.6	0	166	2.4
5/22/2007	4.9	64.3	32.8	49.2	0	195	2.4
5/23/2007	5	68.1	33	51.5	0	211	2.4
5/24/2007	4.6	69.6	36.9	54.4	0	271	2.4
5/25/2007	4.9	72.6	37.3	56.4	0	237	2.4
5/26/2007	4.9	71.6	44.4	57.2	0	167	2.5
5/27/2007	5.1	52.2	43.3	47.1	0	57	2.5
5/28/2007	5.4	49.4	41.1	45.3	0	96	2.7
5/29/2007	5.5	55.1	38.2	46.8	0	175	2.9
5/30/2007	5.5	62.6	34.1	50.2	0	228	2.9

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
5/31/2007	5.7	60.9	37.4	49.9	0	224	3.1
6/1/2007	5.7	66.3	32.3	50.2	0	223	3.1
6/2/2007	5.6	67.8	36.1	53.9	1	259	3.1
6/3/2007	5.7	59.2	45.2	51.6	0	142	3.2
6/4/2007	5.7	67.9	35.6	53.1	1	155	3.2
6/5/2007	5.7	72.6	38	57.5	1	276	3.2
6/6/2007	5.6	68.3	35.5	54.5	2	180	3.2
6/7/2007	6.3	50.6	39.7	46.8	3	100	3.6
6/8/2007	6.2	63.3	32.2	48	2	259	3.6
6/9/2007	6.2	66.1	31.8	51.2	2	263	3.6
6/10/2007	5.9	66.6	37.2	54.9	4	294	3.6
6/11/2007	6.1	68.3	36	52.7	4	241	3.6
6/12/2007	6.2	61.7	39.2	51.4	5	160	3.6
6/13/2007	6.1	61.3	45.4	52.2	5	143	3.6
6/14/2007	6	64.3	45.7	53.4	6	158	3.6
6/15/2007	6.2	64.7	40.7	53.5	7	173	3.7
6/16/2007	5.9	67.2	38.3	55	7	217	3.7
6/17/2007	6.5	62.5	47.5	52.7	9	171	3.9
6/18/2007	6.5	56.1	44	50.9	10	71	4
6/19/2007	6.4	70.9	41.7	56.9	10	226	4
6/20/2007	6.6	72.9	43.5	58	13	193	4
6/21/2007	6.4	61.1	41.3	54.1	14	114	4
6/22/2007	6.8	58.1	46.8	50.3	14	83	4.2
6/23/2007	6.7	63	44	52.9	16	184	4.2
6/24/2007	6.9	58.1	45	51.1	17	134	4.3
6/25/2007	6.9	61.3	45	51.4	17	183	4.4
6/26/2007	7	63.2	44.7	51.8	19	159	4.5
6/27/2007	6.4	67.7	42.1	56	19	252	4.5
6/28/2007	7	71.7	41.2	58.2	22	292	4.5
6/29/2007	6.9	76.5	38.7	58.2	22	285	4.5
6/30/2007	6.9	68.1	44	57	22	167	4.5
7/1/2007	7	64.1	49.9	-99.9	24	-99.9	4.5
7/2/2007	7	-63.9	-88.7	213	26	-99.9	4.5
7/3/2007	7	76.1	43.5	60.3	26	219	4.5
7/4/2007	7.1	72.4	45.8	59.4	27	198	4.7

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
7/5/2007	7.3	67.3	51.3	-99.9	28	-99.9	5.1
7/6/2007	7.6	66.1	46.7	57.6	32	209	5.2
7/7/2007	8	57.6	32.7	51.7	29	52	5.5
7/8/2007	8.4	67.5	44.8	57.2	27	173	5.9
7/9/2007	8.4	68.5	40.4	55.3	29	233	5.9
7/10/2007	8.6	66.7	40.4	53.8	31	148	6.1
7/11/2007	8.9	60	48.5	53.5	26	112	6.4
7/12/2007	9.2	65	43.1	53.1	26	178	6.6
7/13/2007	9	63.3	42.7	53.9	28	145	6.6
7/14/2007	9.2	61.2	43.4	51.6	29	155	6.6
7/15/2007	9.3	58.3	37.1	49.7	29	115	6.7
7/16/2007	9.2	64.4	45.4	53.6	29	152	6.8
7/17/2007	9.3	67.4	36	54.5	30	197	6.8
7/18/2007	8.3	70.9	39.4	55.3	30	196	6.8
7/19/2007	9.5	63.9	45	54.6	29	133	7
7/20/2007	9.4	70.7	44.8	57.6	28	167	7
7/21/2007	9.4	71.1	46.2	59.5	30	202	7
7/22/2007	9.7	62	45.1	51.7	32	87	7
7/23/2007	9.8	-1.6	82.1	81.4	31	615	7.1
7/24/2007	9.6	64.6	37.8	52.1	30	158	7.1
7/25/2007	9.5	72.5	37.6	56.8	30	207	7.1
7/26/2007	9.7	76.1	42.8	58	27	194	7.2
7/27/2007	9.8	70.8	48.4	57.8	29	140	7.3
7/28/2007	9.8	65	45.5	55.2	29	140	7.4
7/29/2007	10	63.1	49.2	56.3	30	111	7.5
7/30/2007	10.2	60.6	28.9	51.5	31	78	7.7
7/31/2007	10.1	63	47.7	53.9	29	112	7.9
8/1/2007	10.8	-74.1	-99.9	-99.9	29	-99.9	8.3
8/2/2007	10.9	68.3	44.7	55.5	31	193	8.4
8/3/2007	10.9	63.4	47.8	54.7	29	141	8.4
8/4/2007	11	64.2	45.2	54.5	32	139	8.5
8/5/2007	11.5	62.5	49	54.1	31	94	8.9
8/6/2007	13.1	53	47.9	49.8	29	66	10.4
8/7/2007	13.1	60	47.5	51.5	28	124	10.5
8/8/2007	13.2	58.3	44.7	50.9	32	109	10.7

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
8/9/2007	13.3	64.5	15.6	50.7	27	230	10.7
8/10/2007	13.3	69.3	35.8	52.6	25	223	10.7
8/11/2007	13.2	72.1	37	55.2	26	210	10.7
8/12/2007	13.4	66.3	50.3	56.8	29	50	10.9
8/13/2007	13.3	75.9	57.4	67.2	28	179	10.9
8/14/2007	14.6	62	34.7	55	30	76	11.8
8/15/2007	14.7	56.2	25	50.9	30	76	12.1
8/16/2007	15	61.6	26.4	48.1	29	98	12.1
8/17/2007	14.6	71.6	39	56.7	29	193	12.1
8/18/2007	14.9	66.6	13.1	52.4	28	190	12.1
8/19/2007	14.8	64	24	51.2	30	103	12.1
8/20/2007	14.9	57.8	30.7	49.3	25	97	12.2
8/21/2007	15	58.4	39.6	50.9	28	130	12.3
8/22/2007	15.4	58.6	35.8	51.1	25	104	12.5
8/23/2007	14.3	60.9	28.4	46.4	29	141	12.5
8/24/2007	15.3	58.4	20.6	46.2	30	99	12.6
8/25/2007	14.6	62.2	24.4	47	30	123	12.6
8/26/2007	15.2	66.3	29.4	49.3	32	157	12.6
8/27/2007	15.6	66.2	36.8	48.1	30	114	12.8
8/28/2007	15.9	65.9	36.2	50.9	26	165	13.2
8/29/2007	16.1	63.1	27.9	48.2	26	110	13.2
8/30/2007	16.2	63.7	41.1	49.5	29	125	13.4
8/31/2007	16.4	59.8	35.9	47	26	83	13.5
9/1/2007	16.5	61.2	36	47.9	23	87	13.5
9/2/2007	15.7	59.3	35.3	45.9	28	103	13.6
9/3/2007	16.6	56.6	19	44.7	29	110	13.6
9/4/2007	16.5	59.1	24.3	43.8	29	131	13.6
9/5/2007	15.4	56.2	18.3	42.9	31	105	13.6
9/6/2007	16.6	56.1	23.2	42.9	25	81	13.7
9/7/2007	16.6	57.5	34.3	44.8	27	88	13.7
9/8/2007	16.9	53.1	26	45.9	22	32	13.9
9/9/2007	16.8	57.6	-76.2	48.2	31	57	14
9/10/2007	16.5	60.2	5.5	45.6	26	118	14
9/11/2007	15.1	63.1	28.3	46.7	23	113	14
9/12/2007	16.9	-99.9	-99.9	-99.9	26	-99.9	14

Kantishna daily SNOTEL data 2006-2007 water year continued.

DATE	Precipitation Storage inches	Max temp °F	Min temp °F	Avg temp °F	Snow depth inches	Solar radiation W/m^2	Tipping bucket inches
9/13/2007	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9/14/2007	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9/15/2007	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9/16/2007	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9/17/2007	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9/18/2007	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9/19/2007	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
9/20/2007	-99.9	53.3	33.5	42.3	-99.9	78	-99.9
9/21/2007	-2.4	46.5	39.4	41.5	0	37	-24.3
9/22/2007	-2.4	43.1	29.8	36.1	1	87	-24.3
9/23/2007	-2.5	44	27.8	34	1	78	-24.3
9/24/2007	19.2	43.7	32	37.3	0	35	15.8
9/25/2007	20.6	42.4	29.9	35.2	0	33	17.6
9/26/2007	20.4	44	28.6	36.2	1	52	17.7
9/27/2007	20.3	49.3	29.2	37	1	76	17.7
9/28/2007	20.3	41.6	25.6	33.8	1	55	17.7
9/29/2007	20.3	46.5	26.6	34	1	76	17.7
9/30/2007	20.3	43.1	28.7	34.5	1	54	17.7

Tokositna Valley Daily SNOTEL Data

	Snow Water Transducer	Precipitation Storage Gage	Max temp	Min temp	Avg temp	Snow Depth	Solar rad	Soil Temp 2"	Soil temp 8"	Soil temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
10/1/2006		0	0	38.3	28.8	34.3	0	4	41	38.9	45.5
10/2/2006		0	0.4	43	36.6	39.7	0	2	41.4	41.2	45.5
10/3/2006		0	1.7	43.7	36.8	40.5	0	1	41.7	41.3	45.5
10/4/2006		0	2.3	46.5	36.6	38.3	0	3	41.5	40.8	45.5
10/5/2006		0	2.8	42.1	33.2	37.1	0	6	41.3	40.4	45.5
10/6/2006		0.4	3.8	38.3	33.2	35.2	1	1	40.7	38.8	45.5
10/7/2006		0.7	6.2	39.8	33.2	34.4	2	0	39.3	36.2	45.5
10/8/2006		0	6.5	44.9	37.2	40	0	2	38.5	36.6	40.3
10/9/2006		0	7.3	57	38.1	45.1	0	4	38.8	40.4	40.3
10/10/2006		0	8.1	50.8	38.1	43.5	0	5	40.2	39.9	40.3
10/11/2006		0	8.8	43.9	33.2	38.1	0	2	39.3	38.1	
10/12/2006		0	8.8	41.9	33	37.6	0	3	39.2	38.6	
10/13/2006		0	9.1	46.7	29.7	35.4	0	2	38.4	36	39.8
10/14/2006		0	9.1	45.9	26.3	34.2	0	1	37.6	34.8	39.3
10/15/2006		0	9.1	43.2	27.5	34.2	0	1	37	34.2	38.9
10/16/2006		0.1	9.5	38.7	31.4	35	1	0	36.5	34	38.6
10/17/2006		0	9.6	42.8	34.8	37.8	0	1	36.4	34.9	38.4
10/18/2006		0	9.9	38.7	33.8	36	0	0	36.8	35.7	
10/19/2006		0	10.5	38.5	28.7	36	0	0	37.3	36.4	38
10/20/2006		0	11.1	41.6	31.2	35.8	0	0	37.2	36.2	38
10/21/2006		0	11.2	40	25.4	31.9	0	0	36.9	34.8	38
10/22/2006		0	11.2	38.4	26.7	30.9	0	0	36.1	33.8	37.7
10/23/2006		0	11.2	37.2	22.1	29.2	0	0	35.7	33	37.7
10/24/2006		0.1	11.4	31.7	18.4	25.9	1	0	35.1	32.4	37.2
10/25/2006		0.1	11.4	38.4	22.9	30.9	1	0	34.7	32.3	36.8
10/26/2006		0.1	11.4	32	26.1	28.8	1	0	34.6	32.1	36.8
10/27/2006		0.1	11.5	29.6	14	23	1	0	34.4	31.5	36.2
10/28/2006		0.1	11.5	26.3	9.3	18.6	1	0	33.8	30.7	35.9
10/29/2006		0.1	11.5	28.3	23.2	25.5	1	0	33.6	31.1	35.7
10/30/2006		0.1	11.7	31.2	19.7	26.4	1	0	33.5	30.9	35.4

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage	Max temp	Min temp	Avg temp	Snow Depth	Solar rad	Soil Temp 2"	Soil temp 8"	Soil temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
10/31/2006		0.1	11.7	31	15.1	22.3	1	0	33.3	30.3	35.4
11/1/2006		0.1	11.7	31	13.4	21	1	0	33.2	30.3	35.4
11/2/2006		0.2	11.7	28	10.2	17.8	2	0	33	29.3	35
11/3/2006		0.2	11.7	25.8	10.2	17.1	2	0	32.7	28.8	34.8
11/4/2006		0.2	11.8	22.1	4.3	14	2	0	32.5	27.9	34.6
11/5/2006		0.2	11.9	19.9	4.7	11.4	2	0	32.2	27	34.6
11/6/2006		0.2	11.9	21.6	1.5	12.6	2	0	32	26.7	34.2
11/7/2006		0.2	12	17.7	4.8	11.1	2	0	31.8	25.8	34
11/8/2006		0.2	12.1	15.6	0.4	8.5	2	0	31.5	25.2	34
11/9/2006		0.3	12.1	19.9	2.5	10.4	2	0	31.2	24.8	33.6
11/10/2006		0.3	12.1	31.5	16.2	22.5	2	0	31.1	26.5	33.6
11/11/2006		0.3	12.1	27.6	9.1	18.9	2	0	30.9	25.5	33.6
11/12/2006		0.3	12.1	20.7	1.2	12.3	2	0	30.7	24.1	33.6
11/13/2006		0.3	12.2	6.1	-8.4	0	2	0	30.1	21.7	33.6
11/14/2006		0.4	12.3	5.6	-5.2	-0.5	3	0	29.6	21.7	33.6
11/15/2006		0.4	12.3	3.4	-6.9	-1.9	3	0	29.3	21.5	33.6
11/16/2006		0.4	12.3	11.6	-8.4	2.9	3	0	28.6	21.6	33.6
11/17/2006		0.6	12.5	15.5	-0.5	7.2	6	0	28.1	21.1	33.6
11/18/2006		0.5	12.5	12.3	-5.4	4.9	5	0	27.3	20.5	33.6
11/19/2006		0.4	12.5	20.3	-2.9	8.8	3	0	27	21.3	33.6
11/20/2006		0.3	12.5	11.6	-4.4	5.4	3	0	26.8	20.4	33.6
11/21/2006		0.3	12.5	8	-5.8	1.7	3	0	26	19.3	33.6
11/22/2006		0.3	12.5	13.3	0.7	7.8	3	0	25.7	19.5	33.6
11/23/2006		0.4	12.6	11.3	-1.8	5.3	4	0	25.1	18.6	33.6
11/24/2006		0.4	12.6	9.8	-10.3	2.7	3	0	24.4	17.8	33.6
11/25/2006		0.4	12.6	5.6	-5.7	1.7	3	0	23.7	16.7	33.6
11/26/2006		0.4	12.6	6.8	-9.1	1.2	3	0	23.3	17.3	33.6
11/27/2006		0.6	12.7	16.1	3.5	12.8	4	0	25.1	22.6	33.6
11/28/2006		0.6	12.7	15	2	11.5	4	0	26.3	23.6	33.6
11/29/2006		0.6	12.7	14.9	0.8	9.9	4	0	26.5	23.5	33.6
11/30/2006		1.1	13.1	22	0.2	13.6	12	0	26.7	24.8	33.6
12/1/2006		1.2	13.2	23.5	7.5	17.1	12	0	27.6	26.5	33.6

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage				Snow		Soil	Soil	Soil	
			Max temp	Min temp	Avg temp	Depth	Solar rad	temp 2"	temp 8"	temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
12/2/2006		1.2	13.2	14.6	6	10.6	11	0	28	26.7	33.6
12/3/2006		1.4	13.4	31.5	11.8	24.9	11	0	28.3	27.5	33.6
12/4/2006		1.4	13.4	35.2	24.3	29.9	11	0	28.8	28.3	33.6
12/5/2006		1.4	13.4	30.4	22.6	27	10	0	29.1	28.7	33.6
12/6/2006		1.5	13.4	37.1	23.3	31.2	10	0	29.3	29	33.6
12/7/2006		1.7	13.6	35.5	26.9	31.2	10	0	29.5	29.3	33.6
12/8/2006		1.7	13.6	38.7	32.8	34.3	10	0	29.7	29.9	33.6
12/9/2006		1.7	13.6	37.7	26.3	32.4	10	0	30	30.1	33.6
12/10/2006		1.7	13.6	32.2	22.3	28.9	10	0	30.1	29.8	33.6
12/11/2006		1.7	13.6	23.9	7.6	16	10	0	30	29	33.6
12/12/2006		1.7	13.6	28.9	8	21.1	9	0	29.6	28.5	33.6
12/13/2006		1.6	13.6	24.8	0.4	14.9	9	0	29.5	28.2	33.6
12/14/2006		1.6	13.6	19.3	4.7	13.2	9	0	29.2	27.8	33.6
12/15/2006		1.7	13.7	9.6	-4.1	1.8	10	0	28.8	26.7	33.6
12/16/2006		1.7	13.7	16.6	-2.4	10.8	10	0	28.5	26.6	33.6
12/17/2006		1.8	13.8	27.6	14.1	22.2	11	0	28.5	27.5	33.6
12/18/2006		2.1	14	24.7	20	21.7	13	0	28.8	28	33.6
12/19/2006		2.2	14.1	28.8	9.2	18.3	15	0	29	28.3	33.6
12/20/2006		2.5	14.3	26.3	20.9	24.1	17	0	29.2	28.6	33.6
12/21/2006		2.6	14.5	23.6	13.4	17.8	18	0	29.3	28.8	33.6
12/22/2006		2.6	14.7	17	3.8	11.9	17	0	29.4	28.9	33.6
12/23/2006		2.9	15	21.4	5	15.8	19	0	29.5	28.8	33.6
12/24/2006		3	15.1	21	3.4	13.9	20	0	29.5	29	33.6
12/25/2006		3	15.1	13.8	0.6	6.3	19	0	29.5	29	33.6
12/26/2006		3	15.1	8.2	-6.5	3.1	19	0	29.5	28.8	33.6
12/27/2006		3	15.1	19.4	-7.1	2.8	18	0	29.5	28.7	33.6
12/28/2006		3.2	15.2	27	15.7	22.5	19	0	29.4	28.7	33.6
12/29/2006		3.2	15.2	30.4	17.1	22.7	19	0	29.5	28.9	33.6
12/30/2006		3.6	15.6	24.5	19	22.5	25	0	29.5	29	33.6
12/31/2006		3.6	15.6	20.2	-1.7	10.5	23	0	29.6	29.3	33.6
1/1/2007		3.6	15.6	16.9	-7.1	5.5	23	0	29.7	29.3	33.6

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage				Snow		Soil	Soil	Soil	
			Max temp	Min temp	Avg temp	Depth	Solar rad	temp 2"	temp 8"	temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
1/2/2007		3.6	15.6	15.2	4.7	9.1	22	0	29.7	29.3	33.6
1/3/2007		3.9	15.9	18.2	9.9	12.9	26	0	29.7	29.2	33.6
1/4/2007		3.9	15.9	9.9	-3.1	1.6	26	0	29.7	29.3	33.6
1/5/2007		3.9	15.9	0.6	-16.5	-7.2	25	0	29.7	29.3	33.6
1/6/2007		3.9	15.9	1.4	-7.2	-2.3	25	0	29.6	29.1	33.6
1/7/2007		3.9	15.9	0.2	-10.2	-5.8	25	0	29.6	29	33.6
1/8/2007		3.9	15.9	-7.7	-24.8	-15	25	0	29.6	28.9	33.6
1/9/2007		3.9	15.9	-3.8	-18.5	-10.1	26	0	29.5	28.7	33.6
1/10/2007		4.3	16.3	9.7	-15.6	0.7	30	0	29.4	28.6	33.6
1/11/2007		5.2	17.2	22.9	9.7	16.5	37	0	29.3	28.5	33.6
1/12/2007		5.8	17.9	28.3	22.5	25.7	39	0	29.2	28.5	33.6
1/13/2007		6.4	18.5	31	10.9	26.1	43	0	29.2	28.7	33.6
1/14/2007		6.4	18.5	24	9	16.1	40	0	29.3	28.7	33.6
1/15/2007		6.4	18.5	18.7	5.4	13.2	39	0	29.3	28.9	33.6
1/16/2007		6.4	18.5	13.4	-9.3	2.9	38	0	29.3	29	33.6
1/17/2007		6.6	18.7	19.4	9.9	15.8	38	0	29.4	29.1	33.6
1/18/2007		6.6	18.7	28.4	11.7	22.1	37	0	29.4	29.1	33.6
1/19/2007		7	19.1	27.3	23	24.9	41	0	29.5	29.1	33.6
1/20/2007		7	19.1	29.4	20.5	25.1	40	0	29.5	29.2	33.6
1/21/2007		7.1	19.2	23.8	8.6	18	40	0	29.5	29.3	33.6
1/22/2007		7.1	19.2	21.6	3.4	15.2	41	0	29.5	29.3	33.6
1/23/2007		7.2	19.3	21.6	6.7	14.2	42	0	29.6	29.3	33.6
1/24/2007		7.2	19.3	14.4	2.5	10.1	42	0	29.6	29.3	33.6
1/25/2007		7.4	19.5	19.7	-9	8.9	45	0	29.6	29.4	33.6
1/26/2007		8	20.1	34.2	19.7	27.1	48	0	29.6	29.3	33.6
1/27/2007		8.2	20.3	34.3	22.2	29.6	46	0	29.6	29.3	33.6
1/28/2007		8.3	20.4	35.7	25.8	31.4	45	0	29.6	29.3	33.6
1/29/2007		8.3	20.4	39.2	25.6	31.8	43	0	29.6	29.3	33.6
1/30/2007		8.5	20.5	39.7	26.9	35.2	40	0	29.6	29.5	33.6
1/31/2007		8.6	20.6	37.2	23.7	32.7	38	0	29.8	29.7	30.1
2/1/2007		8.6	20.6	38.5	17.8	30.8	37	0	29.8	29.8	30.1
2/2/2007		8.6	20.8	46.7	28.7	38.4	37	0	29.9	29.9	30.1

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

Date	Snow Water Transducer	Precipitation Storage Gage	Max temp	Min temp	Avg temp	Snow Depth	Solar rad	Soil temp 2"	Soil temp 8"	Soil temp 20"
	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F
2/3/2007	8.6	21	34.1	15.3	25.2	36	0	29.9	30	30.2
2/4/2007	8.6	20.9	34.9	14.2	23.8	36	0	30	30	30.2
2/5/2007	8.6	21	27	6.4	20.7	35	0	30	30	30.3
2/6/2007	8.6	21	25	16.1	19.6	35	0	30	30	30.3
2/7/2007	8.6	21.1	21.6	12.4	17.4	35	0	30	29.8	30.3
2/8/2007	8.7	21	24.4	9.5	19.1	35	0	30	29.8	30.3
2/9/2007	8.6	21.1	24.9	12.5	18.5	35	0	29.9	29.7	30.3
2/10/2007	8.7	20.9	29.1	8.4	21.5	34	0	29.9	29.6	30.2
2/11/2007	8.6	21	26.7	11.7	20.6	34	0	29.8	29.5	30.3
2/12/2007	8.6	21.2	19.6	1.4	12.2	34	0	29.8	29.5	30.1
2/13/2007	8.7	21	26.8	2.2	17.5	34	0	29.8	29.4	30.2
2/14/2007	8.7	21	28	15.5	22.6	33	1	29.7	29.3	30.1
2/15/2007	8.7	21	31.7	17	24.5	33	0	29.6	29.3	30.1
2/16/2007	8.7	21	26.9	13.2	20.4	34	0	29.6	29.2	30.1
2/17/2007	8.6	21.1	24.1	7.3	16.3	33	0	29.5	29.2	30
2/18/2007	8.6	21.2	18.2	-7.4	8.6	33	0	29.5	29.1	30
2/19/2007	8.6	21.2	17.4	-0.1	7.5	33	0	29.4	29	30
2/20/2007	8.6	21.3	10.1	-9.4	1.7	33	2	29.4	28.8	29.9
2/21/2007	8.5	21.4	8.7	-12.9	-2.1	33	0	29.3	28.7	29.8
2/22/2007	8.5	21.4	7.7	-12.2	-3.4	33	0	29.1	28.4	29.8
2/23/2007	8.5	21.4	3.1	-14.9	-6.6	33	0	29	28.1	29.8
2/24/2007	8.5	21.4	8.8	-15.5	-4.6	33	1			
2/25/2007	8.6	21.4	12.3	-9.9	-0.7	33	1	28.6	27.5	29.6
2/26/2007	8.6	21.2	17.2	-9.7	5.3	33	0	28.5	27.2	29.5
2/27/2007	8.5	21.6	9.1	-8.7	0	33	0	28.2	27	29.4
2/28/2007	8.6	21.4	11.5	-12.9	-3.1	33	1	28.1	26.9	29.3
3/1/2007	8.5	21.5	9.9	-15.2	-4.1	33	0	27.9	26.7	29.2
3/2/2007	8.7	21.2	17.9	-7.8	3.1	33	0	27.8	26.5	29.1
3/3/2007	8.6	21.2	19.2	-10.6	7.1	33	1	27.6	26.2	28.9
3/4/2007	8.6	21.3	18.4	-10.1	4.7	33	3	27.5	26.1	28.8
3/5/2007	8.5	21.5	6.6	-16.9	-5.4	33	1	27.3	26	28.7
3/6/2007	8.6	21.3	7.7	-24	-4.7	33	1	27.2	25.9	28.6

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

Date	Snow Water Transducer Inches	Precipitation Storage Gage Inches	Max temp °F	Min temp °F	Avg temp °F	Snow Depth Inches	Solar rad W/m^2	Soil temp 2" °F	Soil temp 8" °F	Soil temp 20" °F
3/7/2007	8.9	21.4	9.7	0.7	4.4	35	1	27	25.8	28.5
3/8/2007	8.9	21.3	23.9	-1.8	9.6	35	0	27	25.7	28.3
3/9/2007	8.9	21.3	24.4	-0.8	12.8	35	0	26.9	25.7	28.2
3/11/2007	8.9	21.3	22.4	-6.5	8.1	34	0	26.8	25.8	28.1
3/12/2007	8.9	21.4	18.1	-21.6	6	34	1	26.7	25.8	28
3/13/2007	8.9	21.4	10.8	-14.1	0.5	34	0	26.8	25.8	28
3/14/2007	8.9	21.5	6	-18.5	-9	34	0	26.7	25.7	28
3/15/2007	9	21.4	16.2	-18.9	-1.3	34	0	26.7	25.6	27.9
3/16/2007	9	21.3	23.7	-4.6	8.9	34	0	26.6	25.5	27.8
3/17/2007	8.9	21.3	24	3.1	11.6	34	0	26.5	25.4	27.7
3/18/2007	8.9	21.3	22.9	0.5	9.1	34	1	26.5		27.7
3/19/2007	9.1	21.2	34.4	-4.6	9	34	1	26.4	25.3	27.7
3/20/2007	9	21.5	22.8	-3.8	12.2	34	0	26.3	25.3	27.6
3/21/2007	9.1	21.1	27.8	14.8	21.9	36	0	26.3	25.3	27.5
3/22/2007	9.3	21.3	26.4	5.4	19.2	37	0	26.2	25.3	27.5
3/23/2007	9.3	21.4	25.5	2.3	15.7	37	0	26.3	25.5	27.5
3/24/2007	9.2	21.5	23.6	2.1	12.3	36	0	26.5	25.8	27.5
3/25/2007	9.3	21.5	18.5	-2.8	6.9	36	0	26.5	26	27.5
3/26/2007	9.3	21.5	23.7	-2.5	9.4	36	0	26.7	26.1	27.5
3/27/2007	9.2	21.6	29.6	-2	15.2	36	0	26.7	26.2	27.5
3/28/2007	9.4	21.4	32.3	7.3	18.3	36	0	26.7	26.2	27.6
3/29/2007	9.3	21.4	34.7	-3.7	18.8	36	1	26.7	26.2	27.6
3/30/2007	9.2	21.3	36.9	12.7	24.7	35	1	26.8	26.2	27.6
3/31/2007	9.4	21.3	40.2	13.3	27.5	35	0	26.8	26.3	27.7
4/1/2007	9.4	21.2	40.8	10.9	27.5	35	0	26.8	26.4	27.7
4/2/2007	9.3	21.2	38.7	18.1	27	35	1	26.9	26.5	27.7
4/3/2007	9.3	21.1	34.4	17.4	26.9	35	1	27	26.3	27.7
4/4/2007	9.3	21.2	38.4	22	30.1	35	1	27	26.7	27.7
4/5/2007	9.3	21.1	45.3	19.8	32.7	35	0	27.2	26.9	27.8
4/6/2007	9.3	21.1	49.8	28.5	39.3	33	0	27.6	27.6	27.9
4/7/2007	9.3	21.1	48.1	33.5	41.5	31	0	28	28.7	27.9
4/8/2007	9.3	20.9	53.4	32.5	42.3	29	0	28.3	29	28.2

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

Date	Snow Water Transducer Inches	Precipitation Storage Gage Inches	Max temp °F	Min temp °F	Avg temp °F	Snow Depth Inches	Solar rad W/m^2	Soil temp 2" °F	Soil temp 8" °F	Soil temp 20" °F
4/9/2007	9.2	21	49.4	34.3	40.4	28	0	29	30	28.5
4/10/2007	9.2	21.1	46.2	28.9	37.4	26	1	29.3	30.4	28.9
4/11/2007	9.2	21.2	44.2	28.6	35	26	4	29.6	30.7	29
4/12/2007	9.2	22	42.8	25.8	34.5	26	6	29.7	30.8	
4/13/2007	9.2	21.9	43.3	25.4	34.8	25	8	29.9	31	
4/14/2007	9.3	22	43.5		34.8	25	7	30	31.4	29.7
4/15/2007	9.2	22	45.3	30.9	37.7	24	12	30.1	31.5	29.7
4/16/2007	9.2	22	45.6	28.8	37.2	24	13	30.3	31.5	29.8
4/17/2007	9.1	21.9	44.9	31.3	38.2	22	14	30.5	31.5	30
4/18/2007	9.7	22	49.4	35.1	41.7	21	12	31.2	31.5	30
4/19/2007	8.4	21.9	45.4	35	40	20	13	31.2	31.5	30.1
4/20/2007	8.1	22	50	35.2	42.6	19	19	31.2	31.5	30.1
4/21/2007	7.8	22	52.1	29.5	40.4	18	23	31.2	31.5	30.8
4/22/2007	7.4	21.9	52.3	24.8	42.5	17	24	31.3	31.5	30.8
4/23/2007	7	21.9	54.3	30.2	43.6	16	21	31.3	31.5	30.8
4/24/2007	6.4	22.2	51.1	34.9	43.8	15	20	31.3	31.5	31.2
4/25/2007	6.1	22.4	50.1	33.1	42.4	14	19	31.3	31.5	31.2
4/26/2007	5.6	22.4	58.3	30.8	44.8	12	26	31.3	31.5	31.3
4/27/2007	5.3	22.4	48.8	32.3	41.9	11	12	31.3	31.5	31.2
4/28/2007	4.9	22.5	48.4	35.6	40.3	11	15	31.3	31.5	31.3
4/29/2007	4.6	22.5	49.4	34.2	41.8	10	13	31.3	31.5	31.2
4/30/2007	4	22.4	51.3	30.2	42.3	9	28	31.3	31.5	31.2
5/1/2007	3.7	22.4	54.2	32.1	44.3	8	18	31.4	31.5	31.2
5/2/2007	3.2	22.3	54.8	30.5	42.8	7	22	31.4	31.5	31.2
5/3/2007	2.7	22.2	56.8	30.1	43.5	6	20	31.4	31.6	31.2
5/4/2007	1.8	22.1	56.5	32.7	45.7	4	25	31.3	31.7	31.2
5/5/2007	1.2	22.1	49.6	36.9	41.8	3	8	31.4	31.6	31.3
5/6/2007	0.9	22	49.9	31.3	41.4	1	15	31.3	32.2	31.2
5/7/2007	0.8	21.9	50.3	35.4	42.6	1	19	31.4	32.2	31.2
5/8/2007	0.9	21.9	52	33.5	43.9	1	14	31.4	32.5	31.3
5/9/2007	0.9	22	52.4	33.7	42.8	1	24	31.3	32.1	31.3
5/10/2007	0	22.5	55	28.3	43	0	30	31.4	32.2	31.3

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

Date	Snow Water Transducer	Precipitation Storage Gage	Max temp	Min temp	Avg temp	Snow Depth	Solar rad	Soil temp 2"	Soil temp 8"	Soil temp 20"
	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F
5/11/2007	-0.1	22.4	55.2	30.3	44.7	0	39	31.4	33.5	31.3
5/12/2007	-0.1	22.5	49.2	36.1	41.4	0	9	31.4	33	31.3
5/13/2007	-0.2	-48.4	45.4	34.7	40.1	0	12	31.4	33.5	31.2
5/14/2007	-0.3	22.5	55.1	39	48	0	23	31.4	34.2	31.2
5/15/2007	-0.3	22.5	58.9	38.4	49.5	0	20	31.4	34.4	31.2
5/16/2007	-0.4	22.4	67.5	36	53.3	0	17	31.4	35.9	31.2
5/17/2007	-0.5	22.5	50.8	42.1	46.4	0	6	31.4	34.7	31.2
5/18/2007	-0.5	22.5	54.7	40.3	46.9	0	10	31.4	35.6	31.2
5/19/2007	-0.6	22.4	63.8	31.4	49.9	0	36	31.4	36.1	31.3
5/20/2007	-0.7	22.4	65.5	36.6	53	0	40	31.4	36.9	31.3
5/21/2007	-0.7	22.4	63.6	37.4	50.6	0	24	31.4	37.1	31.3
5/22/2007	-0.8	22.3	64.1	34.2	52.1	0	24	31.4	37.6	31.3
5/23/2007	-0.8	22.6	57.9	43	49.5	0	12	31.5	37.4	31.3
5/24/2007	-0.9	22.5	59.5	42.5	50.2	0	23	31.6	38.4	31.3
5/25/2007	-0.9	22.3	70.8	38.8	56.8	-1	37	31.9	40.2	31.3
5/26/2007	-0.9	22.5	58.3	41.7	51.3	-1	11	32.1	38.4	31.3
5/27/2007	-1	22.5	52.3	42.2	46.8	0	16	32.3	38.1	31.3
5/28/2007	-1	22.7	54.9	40.3	46.5	0	16	32.5	38.4	31.3
5/29/2007	-1	22.6	56.7	37.8	48.2	-1	14	32.7	38.6	31.3
5/30/2007	-1	22.6	62.7	42.8	51.5	0	15	33.3	39.7	31.3
5/31/2007	-1	22.7	57	41.9	48.7	-1	12	33.4	38.9	31.3
6/1/2007	-1	22.6	61.1	40.1	51.9	-1	19	33.8	39.3	31.3
6/2/2007	-1	22.6	68.3	38.3	53	-1	20	34.1	40.3	31.3
6/3/2007	-1	22.6	63.7	42.7	52.2	-1	20	34.5	40.4	31.3
6/4/2007	-1	22.8	67	41.1	54.8	-1	8	34.7	41.3	31.3
6/5/2007	-1.1	22.7	68.4	45.5	57.1	-1	20	35.4	42.2	31.3
6/6/2007	-1.1	22.7	68.2	38.4	54.4	-1	18	35.4	42.3	31.3
6/7/2007	-1	23	55.3	35.9	48.6	-1	10	35	39.4	31.3
6/8/2007	-1	23	59.4	34.8	47.5	-1	15	34.7	38.4	31.4
6/9/2007	-1.1	22.7	72	34.9	55.7	-1	17	35.1	41.3	31.4
6/10/2007	0	23.3	76.7	37.2	59.6	0	25	36	43.2	31.4
6/11/2007	0.1	23.5	62.6	47.1	53.5	0	10	36.3	41.1	31.4

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage				Snow		Soil	Soil	Soil	
			Max temp	Min temp	Avg temp	Depth	Solar rad	temp 2"	temp 8"	temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
6/12/2007		0.1	23.5	55.9	43.7	49.5	0	10	36	40.7	32.1
6/13/2007		0	23.5	60.1	42.8	51	0	18	36	41.6	32.2
6/14/2007		0	23.4	69.3	38	55.5	0	29	36.4	42.3	32.4
6/15/2007		0	23.3	73.4	40.1	58.9	0	23	37	43.2	32.7
6/16/2007		0	23.3	75.7	42.7	59.5	0	26	37.5	43.8	33
6/17/2007		0	23.4	70.9	43.9	57.4	0	15	37.8	43.5	33.3
6/18/2007		0	23.3	70.2	47.6	56.7	0	13	37.7	43.7	33.4
6/19/2007		0	23.1	81	40.8	62.5	-1	20	38.2	45.3	33.6
6/20/2007		0	23.1	82.2	48	68.1	-1	10	39.1	45.8	33.8
6/21/2007		0	23.2	79.7	47.7	64.8	0	12	39.6	46.3	34.3
6/22/2007		0.1	23.8	74.9	46.4	50.3	0	0	38.8	42.6	34.9
6/23/2007		0.1	24.2	54.2	45.6	49.6	0	7	38.6	43	34.9
6/24/2007		0.1	24.3	57.2	45.4	49.8	0	10	38.6	42.8	34.9
6/25/2007		0	24.6	56.9	43.4	49.5	0	9	38.6	43.1	34.9
6/26/2007		0	24.5	65.5	39.9	52.9	-1	13	38.8	44.3	34.9
6/27/2007		0	24.4	71.3	39.8	57.1	-1	11	39.4	45.9	34.9
6/28/2007		0	24.4	73.9	42.4	58.4	-1	9	39.9	45.7	34.9
6/29/2007		0	24.4	78.3	39	59.3	-1	5	40.4	46.4	34.9
6/30/2007		0	24.6	74.7	46.9	55.5	-1	6	40.6	46.4	34.9
7/1/2007		0.1	25.3	51.1	44.2	48.6	-1	1	40.4	44.2	34.9
7/2/2007		0.1	25.1	60.6	41	51.9	0	3	40.4	45.1	34.9
7/3/2007		0.1	25.4	63.1	50.1	55.2	-1	0	41	46.4	34.9
7/4/2007		0	25.8	55.3	50.3	52.7	0	1	41.5	46	34.9
7/5/2007		0	25.8	57.2	48.8	52.3	0	1	41.4	45.5	34.9
7/6/2007		0	25.8	59.8	48.1	53.4	-1	1	41.4		34.9
7/7/2007		0	25.9	56.2	48.3	52.2	-1	1	41.5	45.4	34.9
7/8/2007		0	25.8	64.4	47.5	54.4	-1	2	41.7		34.9
7/9/2007		0	25.9	64.5	41	52.9	-1	1	42.1	46.5	34.9
7/10/2007		0	25.9	66.9	47.5	55.3	-1	2	42.5	47.3	34.9
7/11/2007		0	26	62	42	53.9	-1	1	42.7	46.9	34.9
7/12/2007		0	25.9	70.3	39	53.4	0	1	42.4	46.8	34.9
7/13/2007		0	26	60.1	43.3	53.3	-1	2	42.7	47.5	34.9

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage				Snow		Soil	Soil	Soil	
			Max temp	Min temp	Avg temp	Depth	Solar rad	temp 2"	temp 8"	temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
7/14/2007		0	26.2	78.8	41.3	49.2	0	1	42.5	46.4	34.9
7/15/2007		0	26.3	61.8	39.1	52.4	-1	1	42.7	47.3	34.9
7/16/2007		0	26	75.2	40.4	59.1	-1	1	43.2	48.4	34.9
7/17/2007		0	26.1						43.8	49.1	34.9
7/18/2007		0	26.2	70.7	45	58.1	-1	2	43.9	48.6	34.9
7/19/2007		0	26.1	71.6	48.2	58	-1	3	44.5	49.8	34.9
7/20/2007		0	26	73.3	44.2	58.9	-1	25	44.7	50	34.9
7/21/2007		0	26.1	75.8	44.3	59.4	-1	23	44.9	49.4	34.9
7/22/2007		0	26.6	58.9	49.9	53.5	-1	7	44.8	48.5	34.9
7/23/2007		0	27.2	61	48.4	52.3	-1	11	45	48.4	34.9
7/24/2007		0	27.1	65.4	45.5	54.5	-1	13	45	49.3	34.9
7/25/2007	-0.1	26.9	70.4	49.2	58.9	-1	19	45.5	50.3	42.3	
7/26/2007	0	26.9	75.3	48.8	60.3	-1	16	45.9	50.8	42.6	
7/27/2007	0	26.9	70.7	52.9	59.9	-1	15	46.3	51.5	42.9	
7/28/2007	0	26.9	71.7	51.2	60.1	-1	11	46.5	51.1	43.2	
7/29/2007	0	26.9	75.3	51.4	63.1	-1	11	47.1	52	43.4	
7/30/2007	0	28	58.1	51.7	54.6	-1	7	47.3	50.9	43.9	
7/31/2007	0	28.2	56.7	49.6	52.8	-1	5	47	49.9	44.2	
8/1/2007	0	28.2	71.6	49.3	53.9	-1	7	46.9	50	44.2	
8/2/2007	0	28.4	55.8	47.6	50.6	-1	5	46.5	48.9	44.3	
8/3/2007	0	28.5	59	46.5	52.1	-1	5	46.4	49.6	44.2	
8/4/2007	0	29.1	55.2	48	51.1	-1	5	46.6	49.2	44.2	
8/5/2007	0	29.6	55.5	47	50.5	-1	4	46.5	49.1	44.4	
8/6/2007	-0.1	-9.5	64.3	45.3	57	-1	5	46.6	50.2	44.4	
8/7/2007	0	29.7	72.5	41.1	56.2	0	4	46.8	50.3	44.5	
8/8/2007	0	29.7	70.8	43	55.7	-1	4	46.8	50.2	44.5	
8/9/2007	0	29.7	71.9	44.7	57.7	-1	4	47.3	50.2	44.5	
8/10/2007	0	29.6	74.9	39.8	56.6	-1	4	47.1	50.2	44.8	
8/11/2007	0	29.5	74.7	41.1	57.5	-1	3	47.2	50.9	44.8	
8/12/2007	0.1	29.8	64.9	48.2	54.2	-1	2	47.3	50.7	44.8	
8/13/2007	0	29.7	73.5	44.2	59	-1	3	47.6	52.2	44.8	
8/14/2007	0.1	30.8	56.6	49.7	53.6	-1	2	48.1	51	44.8	

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage				Snow		Soil	Soil	Soil	
			Max temp	Min temp	Avg temp	Depth	Solar rad	temp 2"	temp 8"	temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
8/15/2007		0	31.3	62.5	44.2	51.9	0	2	48	50.8	44.8
8/16/2007		0	31.3	71.9	41.6	56.3	-1	2	47.9	51.7	44.8
8/17/2007		0	31.2	77.1	44	58.4	-1	2	48.3	52.1	45.7
8/18/2007		0	31.3	67	47.1	55.5	-1	2	48.4	52.3	45.7
8/19/2007		0	31.3	64.2	47	54.4	-1	2	48.3	51.1	46
8/20/2007		0	31.3	60.4	46.8	53.1	-1	2	48.2	51.2	46
8/21/2007		0	31.3	59.1	47.4	52.4	-1	2	48.1	50.3	46.1
8/22/2007	0.1	31.6	56.5	42.4	50	-1	1	47.9	49.8	46	
8/23/2007	0	31.6	65.7	40.1	52.9	-1	2	47.6	50.9	46.1	
8/24/2007	0	31.7	61.8	44.3	52.9	0	2	47.9	50.6	46	
8/25/2007	0	32	63.9	43.3	53	0	1	48.1	50.7	46.1	
8/26/2007	0.1	32	73.4	38.9	54.7	-1	1	47.8	50.3	46.4	
8/27/2007	0.1	33	63.7	45.8	52.6	0	1	48.2	50.5	46.4	
8/28/2007	0	33	69.7	39.4	52.5	0	1	47.8	49.8	46.4	
8/29/2007	0.1	33	71	39.9	53.8	-1	1	52.4	50.9	48.2	
8/30/2007	0.1	33.4	68.6	40.9	52.6	0	1	52	50.7	48.2	
8/31/2007	0	33.6	63.8	42.9	52.5	0	1	52.9	51.3	48.4	
9/1/2007	0.1	33.9	58.7	46.6	51.5	0	0	53.7	50.4	48.6	
9/2/2007	0.1	34.1	55.5	39.4	49.3	0	0	49.3	50.2	48.5	
9/3/2007	0.1	34.2	59.2	37.2	46.1	-1	4	48.6	49.4	48	
9/4/2007	0.1	34.2	63.4	34.5	48.3	-1	1	49.5	49.6	47.7	
9/5/2007	0.1	34.5	59.6	41.6	49.3	0	0	49.5	49.4	47.7	
9/6/2007	0.1	35.3	55.2	42.8	47.8	0	1	48.7	49.1	47.7	
9/7/2007	0.1	35.9	53.7	45	47.7	0	1	48.4	48.5	47.5	
9/8/2007	0.1	37.6	47.8	45.3	46.7	0	1	47.7	48.1	47.3	
9/9/2007	0.1	38.9	53.3	45.1	48.5	0	1	48.4	48.4	47.3	
9/10/2007	0.1	39	61.2	40.2	49.5	0	0	49.3	49.5	47.4	
9/11/2007	0.1	39	59.2	39	48.4	0	3	52.4	48.4	47.4	
9/12/2007	0.1	40.3	49.5	43.9	47.2	0	3	47.3	48.5	47.5	
9/13/2007	0.1	41	48.9	41.4	44.6	0	1	46.8	47.9	47.3	
9/14/2007	0.1	41.3	54.7	33.9	44	0	1	46.2	48.3	47	
9/15/2007	0.1	41.3	54.6	31.8	42.5	0	1	46.5	47.2	46.6	

Tokositna Valley daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage	Max temp	Min temp	Avg temp	Snow Depth	Solar rad	Soil temp 2"	Soil temp 8"	Soil temp 20"	
Date	Inches	Inches	°F	°F	°F	Inches	W/m^2	°F	°F	°F	
9/16/2007		0.1	41.3	55.9	37.4	44.7	0	1	46.3	47.6	46.5
9/17/2007		0.1	41.3	54.4	37.9	44.8	-1	1	46.4	47.3	46.4
9/18/2007		0.1	42.2	44.4	38.8	41.8	0	3	43.8	46.5	46.3
9/19/2007		0.1	42.7	45.8	38.3	42	0	2	45.2	45.9	45.7
9/20/2007		0.1	43.1	46.6	33.8	42.2	0	2	44.3	45.9	45.5
9/21/2007		0.1	43.2	53.3	31.2	41	7	2	43.9	45.5	45.2
9/22/2007		0.1	43.2	53.4	37.4	43.3	-1	0	44.1	45.7	45.2
9/23/2007		0.1	43.2	51.2	35	41.5	-1	3	43.8	45.4	45
9/24/2007		0.1	43.2	46.7	38.6	42.1	0	3	44.5	45.2	44.8
9/25/2007		0.2	43.6	45.9	38.4	41.5	0	2	44	45.2	44.8
9/26/2007		0.1	44.1	49.6	34.9	40.1	6	1	42.7	44.9	44.5
9/27/2007		0.1	44.2	52	32.2	39.6	-1	0	42.2	44.5	44.3
9/28/2007		0.1	44.2	46.8	31.7	40.5	-1	1	42.6	44	44
9/29/2007		0.1	44.2	52.4	30.8	41.3	-1	1	43.1	43.8	43.7
9/30/2007		0.2	45.4	41.2	34.7	37	0	1	39.7	42.8	43.4

Mission Creek daily SNOTEL Data 2006-2007 Water Year

DATE	Snow Water Transducer	Precipitation Storage Gage	Max temp	Min Temp	Avg Temp	Snow Depth	Solar Rad
	Inches	Inches	°F	°F	°F	Inches	W/m^2
10/1/2006	0	0	45	30.2	36.3	0	8
10/2/2006	0	0	47.6	34.5	40.9	0	10
10/3/2006	0	0	47.2	29.3	40.4	0	8
10/4/2006	0	0.2	43.8	31.7	40.5	0	8
10/5/2006	0	0.2	45.4	28.3	35	0	9
10/6/2006	0	0.2	44.2	27.1	34.1	0	6
10/7/2006	0	0.2	43.1	27.7	37	0	9
10/8/2006	0	0.2	46.7	37.6	42.8	0	8
10/9/2006	0	0.2	53.5	42.1	48.6	0	5
10/10/2006	0	0.2	58.8	45.8	52.2	0	7
10/11/2006	0	0.2	51.4	30.4	39.8	0	5
10/12/2006	0	0.3	43.5	28.5	36.6	0	6
10/13/2006	0	0.4	36.8	20.4	27.5	0	4
10/14/2006	0	0.4	29.3	14.7	23	0	6
10/15/2006	0	0.4	28.5	4.4	17.4	0	3
10/16/2006	0	0.4	37.5	14.5	31.2	0	7
10/17/2006	0	0.4	36	21.6	31.6	0	3
10/18/2006	0	0.4	33.3	14.3	27.1	0	7
10/19/2006	0	0.4	37.1	32.3	34.7	0	5
10/20/2006	0	0.4	40	28.2	35.3	0	5
10/21/2006	0.6	1.1	32.4	28.1	30	6	1
10/22/2006	0.6	1.2	32.8	16.8	27.2	6	0
10/23/2006	0.5	1.2	28.8	11.8	20.5	5	0
10/24/2006	0.4	1.2	27.7	14.4	23.3	5	0
10/25/2006	0.5	1.4	26.4	16.1	23.2	7	0
10/26/2006	0.5	1.5	23.4	8.8	18.2	6	0
10/27/2006	0.5	1.5	12.8	-3.6	6.1	6	0
10/28/2006	0.6	1.5	17.5	-8.2	8	6	0
10/29/2006	0.6	1.5	23.9	16	21.3	6	0
10/30/2006	0.7	1.6	22.4	17.1	19.9	5	0
10/31/2006	0.7	1.6	19	9.7	16	5	0

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Snow Water Transducer inches	Precipitation Storage Gage inches	Max temp °F	Min Temp °F	Avg temp °F	Snow Depth inches	Solar Rad w/m^2
11/1/2006	0.7	1.6	20.9	17.7	18.8	6	0
11/2/2006	0.7	1.6	20.8	14.6	17.6	5	0
11/3/2006	0.6	1.6	16.4	12	13.9	6	0
11/4/2006	0.6	1.6	12	-16.1	1.6	5	0
11/5/2006	0.7	1.7	2.9	-20.6	-7.5	6	0
11/6/2006	0.7	1.7	-2	-22.2	-7.1	5	0
11/7/2006	0.7	1.7	-7.8	-25.3	-18.6	5	0
11/8/2006	0.7	1.7	-12	-29.3	-22.6	5	0
11/9/2006	0.7	1.7	-8.4	-29.5	-20.4	6	0
11/10/2006	0.6	1.7	-0.1	-27.1	-10.2	5	0
11/11/2006	0.6	1.7	-7.2	-30.3	-17.1	6	0
11/12/2006	0.6	1.7	-5.9	-27.9	-11.9	6	0
11/13/2006	0.6	1.7	-10.7	-37.2	-22.3	6	0
11/14/2006	0.6	1.7	-23.6	-46	-36.1	6	0
11/15/2006	0.7	1.8	-12.3	-28.8	-17	6	0
11/16/2006	0.7	1.8	-16.3	-30.5	-25.7	6	0
11/17/2006	0.7	1.8	-22.8	-34.8	-28.5	6	0
11/18/2006	0.6	1.8	-26.3	-38	-30.9	6	0
11/19/2006	0.6	1.9	-2.8	-40	-21.4	6	0
11/20/2006	0.6	2	-4.2	-27.2	-11.7	6	0
11/21/2006	0.6	2	-27.2	-42.8	-36	6	0
11/22/2006	0.6	2	-31.4	-43.5	-40.2	6	0
11/23/2006	0.6	2	-33.9	-45.5	-41.2	6	0
11/24/2006	0.6	2	-40.8	-45.9	-44.1	6	0
11/25/2006	0.6	2.1	-32.9	-45.2	-39.8	6	0
11/26/2006	0.7	2.2	-22	-39.3	-28.5	6	0
11/27/2006	0.7	2.3	-12.5	-22.7	-17.2	7	0
11/28/2006	0.6	2.3	-5.6	-12.7	-9.1	6	0
11/29/2006	0.6	2.4	-1.8	-6.6	-3.4	6	0
11/30/2006	0.6	2.4	6.7	-3.2	1	6	0
12/1/2006	0.6	2.4	9.1	-11.1	4.4	6	0
12/2/2006	0.6	2.4	-3.5	-17.6	-9.8	6	0

Mission Creek daily SNOTEL data 2006-2007 water year continued.

	Snow Water Transducer	Precipitation Storage Gage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad
Date	inches	inches	°F	°F	°F	inches	w/m^2
12/3/2006	0.7	2.5	5.6	-5	-1.7	6	0
12/4/2006	0.7	2.5	20.5	5.6	15.5	7	0
12/5/2006	0.7	2.5	27.3	17.9	21.7	6	0
12/6/2006	0.7	2.5	32.7	17.5	24.4	6	0
12/7/2006	0.7	2.5	26.5	10.4	18.9	6	0
12/8/2006	0.7	2.5	27.1	14.7	23.8	6	0
12/9/2006	0.7	2.6	26.8	20.8	24.1	6	0
12/10/2006	0.6	2.6	27.7	15.3	20	6	0
12/11/2006	0.6	2.6	15.3	-10.4	-0.1	6	0
12/12/2006	0.6	2.6	8.7	-4.1	2.3	6	0
12/13/2006	0.6	2.6	-0.7	-22.1	-9.4	6	0
12/14/2006	0.6	2.6	-9	-22.9	-16.9	7	0
12/15/2006	0.6	2.6	-8	-18.5	-11.1	7	0
12/16/2006	0.7	2.7	-0.7	-22.4	-9.4	7	0
12/17/2006	0.7	2.7	10.7	-5.2	2.9	7	0
12/18/2006	1	2.8	6.6	2.6	4.9	11	0
12/19/2006	1	2.8	22.5	-4.9	3.1	9	0
12/20/2006	1	2.8	39.7	22.5	33.9	8	0
12/21/2006	1.1	2.8	28.9	-1.3	8.6	9	0
12/22/2006	1.1	2.8	15.4	-19.1	-6	9	0
12/23/2006	1.1	2.8	2.9	-19.1	-5.2	8	0
12/24/2006	1.1	2.8	-13.4	-25.6	-21.6	8	0
12/25/2006	1	2.9	-1.3	-13.4	-6.3	9	0
12/26/2006	1	2.9	1.5	-15.8	-4.2	9	0
12/27/2006	1	3	7.6	-27.1	-11.5	9	0
12/28/2006	1	3	19.4	6.1	12.3	9	0
12/29/2006	1.3	3.2	16.8	-3	11.1	13	0
12/30/2006	1.4	3.3	6.5	-3.9	2.8	12	0
12/31/2006	1.4	3.3	0.8	-14.6	-4.9	12	0
1/1/2007	1.4	3.4	2.3	-4.5	-0.1	12	0
1/2/2007	1.4	3.5	-1.2	-3.1	-2	12	0
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
1/3/2007	1.4	3.5	-2.6	-18.9	-11.5	12	0
1/4/2007	1.4	3.5	-5.9	-30	-13	13	0
1/5/2007	1.4	3.5	-9	-30.5	-16.6	13	0
1/6/2007	1.4	3.6	-7.4	-15.3	-10.8	13	0
1/7/2007	1.4	3.6	-13.5	-33.9	-23.6	13	0
1/8/2007	1.4	3.6	-16.4	-40	-23	13	0
1/9/2007	1.4	3.6	-40	-48.8	-45.4	13	0
1/10/2007	1.5	3.7	-11.3	-45.7	-22	14	0
1/11/2007	1.5	3.7	-3	-11.7	-7.6	14	0
1/12/2007	1.6	3.8	7.7	-3.2	1.4	13	0
1/13/2007	1.6	3.8	12.9	7.1	10.6	13	0
1/14/2007	1.7	3.8	11.5	-1.3	7	15	0
1/15/2007	1.9	4	11.5	6.2	9.6	17	0
1/16/2007	1.9	4	9.7	-18.7	-0.8	17	0
1/17/2007	1.9	4.1	12.5	2.7	8.9	16	0
1/18/2007	1.9	4.2	10	0.1	5.6	16	0
1/19/2007	2.1	4.2	22.3	9.7	18.7	17	0
1/20/2007	2.1	4.2	19.7	-4.8	9.3	16	0
1/21/2007	2.1	4.3	11.2	-0.8	7.8	18	0
1/22/2007	2.1	4.3	14.2	-11.8	4.8	17	0
1/23/2007	2.1	4.3	0.7	-17.3	-8.1	17	0
1/24/2007	2.3	4.4	6.2	0	3.6	20	0
1/25/2007	2.4	4.5	11.3	-28.5	-8	19	0
1/26/2007	2.4	4.6	21.1	9.1	14.8	18	0
1/27/2007	2.4	4.7	18.9	12.4	16.1	18	0
1/28/2007	2.4	4.7	24.5	15.2	20.2	17	0
1/29/2007	2.4	4.7	22.8	13.8	17.8	17	0
1/30/2007	2.4	4.7	25	20	22.3	16	0
1/31/2007	2.4	4.7	23.3	16.3	19.4	16	0
2/1/2007	2.4	4.7	23.4	16.5	20.3	16	0
2/2/2007	2.4	4.7	19.7	15.8	18.1	16	0
2/3/2007	2.3	4.7	17.9	11.2	13	16	0
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
2/4/2007	2.2	4.7	14.6	4.8	10.5	15	0
2/5/2007	2.2	4.7	5.5	-6.9	0.3	15	0
2/6/2007	2.2	4.7	-2	-30.3	-14.6	15	0
2/7/2007	2.2	4.7	-15.1	-38.8	-27.7	15	0
2/8/2007	2.2	4.7	-8.4	-36.2	-24.2	15	0
2/9/2007	2.2	4.7	10	-8.6	2.3	15	0
2/10/2007	2.2	4.7	9.2	-16.5	0.3	15	0
2/11/2007	2.2	4.7	2.8	-23.8	-13.5	15	0
2/12/2007	2.2	4.7	12.4	-19.2	-1.3	15	0
2/13/2007	2.2	4.7	19.4	-9.5	1.7	15	0
2/14/2007	2.2	4.7	14.2	-17.1	2.6	15	0
2/15/2007	2.2	4.7	-9.4	-34.5	-23	15	0
2/16/2007	2.2	4.7	-13.4	-41.7	-27.5	15	0
2/17/2007	2.2	4.7	-9.8	-39.2	-18.9	15	0
2/18/2007	2.2	4.7	-23.4	-47.5	-38.5	15	0
2/19/2007	2.2	4.7	-25.8	-51.4	-42	15	0
2/20/2007	2.2	4.7	-24.3	-51.5	-41.9	15	0
2/21/2007	2.2	4.7	-25.4	-52.6	-43	15	0
2/22/2007	2.2	4.7	-29.3	-55	-46	15	0
2/23/2007	2.2	4.7	-31.4	-58.3	-48.7	15	0
2/24/2007	2.2	4.7	-21.2	-56.1	-42.3	15	0
2/25/2007	2.2	4.7	-12.3	-50.6	-30.6	15	0
2/26/2007	2.2	4.7	-5.6	-27.4	-14.1	15	0
2/27/2007	2.2	4.7	-13.7	-42.4	-30.1	15	0
2/28/2007	2.2	4.7	-15.8	-48.4	-31.8	15	0
3/1/2007	2.2	4.7	-18	-46.7	-31.3	15	0
3/2/2007	2.2	4.7	-20.3	-53.1	-40.4	15	0
3/3/2007	2.2	4.7	-8	-48.9	-26.6	15	0
3/4/2007	2.2	4.7	-6.4	-28.5	-13.6	15	1
3/5/2007	2.2	4.7	-12.9	-31.8	-18.6	15	1
3/6/2007	2.3	4.7	-11.7	-33.5	-20.6	16	1
3/7/2007	2.3	4.8	-8.1	-22.4	-14.1	16	1
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
3/8/2007	2.4	4.8	-1.4	-23.9	-10.9	17	1
3/9/2007	2.4	4.8	-4.8	-15	-8.3	17	1
3/10/2007	2.4	4.8	-7.8	-20.7	-12.6	16	1
3/11/2007	2.5	4.8	-5.6	-30.5	-18.8	17	1
3/12/2007	2.5	4.9	2.5	-24.9	-12.2	17	1
3/13/2007	2.5	4.9	-1	-24.1	-8.8	17	1
3/14/2007	2.5	4.9	-5.9	-23.4	-10.2	17	1
3/15/2007	2.5	4.9	-3.6	-32.9	-18.2	17	1
3/16/2007	2.5	4.9	2.7	-33.2	-17.5	17	1
3/17/2007	2.5	4.9	5.5	-31.4	-12.1	17	1
3/18/2007	2.5	4.9	13.1	-23.1	-5.7	17	1
3/19/2007	2.5	4.9	12.6	-27.2	-8.2	17	1
3/20/2007	2.6	5	19.1	-30.2	-3.1	17	1
3/21/2007	2.6	5	30.8	4.9	20.6	17	1
3/22/2007	2.8	5.1	25.8	-1.3	14.5	19	1
3/23/2007	2.8	5.1	19	-3.2	8.5	19	1
3/24/2007	2.9	5.2	19.6	0.6	11.1	19	1
3/25/2007	2.9	5.2	17.5	-5.5	9.3	19	1
3/26/2007	2.9	5.2	23.3	-24.2	0.8	19	2
3/27/2007	2.9	5.2	23.1	-20.2	1.2	19	1
3/28/2007	2.9	5.2	23.6	-21.7	0	19	2
3/29/2007	2.9	5.2	22.4	-21.3	1.3	18	2
3/30/2007	2.9	5.2	30.1	-18	6.7	18	2
3/31/2007	2.9	5.2	29.5	-14.8	9.4	18	2
4/1/2007	2.9	5.2	32.1	-10.2	12.7	18	2
4/2/2007	2.9	5.2	32.3	-11.2	14.5	18	2
4/3/2007	2.9	5.2	32.1	3.2	20.6	18	3
4/4/2007	2.9	5.2	35.7	14	26.9	18	4
4/5/2007	2.9	5.2	41.1	26.2	33.5	18	8
4/6/2007	2.9	5.2	46	27.4	38.1	17	17
4/7/2007	2.9	5.2	53.6	29.1	43.9	15	25
4/8/2007	2.9	5.2	48.1	24.6	35.6	14	26
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
4/9/2007	2.9	5.2	51.8	30	40.1	12	25
4/10/2007	2.9	5.2	47.7	29.3	37.3	12	26
4/11/2007	2.9	5.2	43.8	27.6	35.6	11	29
4/12/2007	2.9	5.2	37.2	32	34.9	11	26
4/13/2007	2.9	5.2	41.2	31.4	35	11	23
4/14/2007	2.8	5.2	44.7	28.2	36.3	10	27
4/15/2007	2.7	5.2	45.9	24.9	35.5	10	28
4/16/2007	2.6	5.2	48.6	22.7	35.7	10	28
4/17/2007	2.5	5.2	49.8	22.3	36.1	9	28
4/18/2007	2.3	5.2	52.1	24.3	38.8	8	29
4/19/2007	2.2	5.2	53.6	25.2	39.4	7	28
4/20/2007	1.9	5.2	53.4	26.4	40.2	6	31
4/21/2007	1.8	5.2	55	24.2	39.5	5	27
4/22/2007	1.5	5.2	57.1	26.2	42	4	34
4/23/2007	1.1	5.2	54.6	30.5	42.8	3	28
4/24/2007	1	5.2	73.4	0	41.8	2	5
4/25/2007	0.7	5.5	55	29.9	39.1	2	31
4/26/2007	0.3	5.5	45.4	29	37.5	1	33
4/27/2007	0	5.5	39.8	24.8	33.5	0	32
4/28/2007	0	5.5	44.7	29.2	37.3	0	39
4/29/2007	0	5.5	44.1	29.7	36.6	0	34
4/30/2007	0	5.5	51.8	25.9	39.1	0	34
5/1/2007	0	5.5	55.7	24.8	41.9	0	32
5/2/2007	0	5.5	60.1	29.6	45.7	0	33
5/3/2007	0	5.5	58.3	31.3	45.4	0	39
5/4/2007	0	5.6	47.1	34.1	39.7	0	27
5/5/2007	0	5.6	48.5	31.6	40	0	39
5/6/2007	0	5.7	49.2	32.3	40.8	0	40
5/7/2007	0	5.7	53.4	31	41.8	0	35
5/8/2007	0	5.8	52.5	32.4	43.6	0	44
5/9/2007	0	5.8	54.2	28.9	43.1	0	34
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
5/10/2007	0	5.8	53.1	32.6	42.2	0	41
5/11/2007	0	6	49.3	28.4	39.5	0	29
5/12/2007	0	6.1	52.7	33.1	42.5	0	35
5/13/2007	0	6.1	49	34	41.8	0	38
5/14/2007	0	6.1	57.1	29.6	45.2	0	33
5/15/2007	0	6.1	55.8	37.3	46.3	0	34
5/16/2007	0	6.2	54.1	30	43.6	0	31
5/17/2007	0	6.2	53	27.2	41.4	0	29
5/18/2007	0	6.2	62.6	27.6	48.3	0	37
5/19/2007	0	6.2	63.9	32.5	51.1	0	32
5/20/2007	0	6.2	64.5	30.4	50.9	0	30
5/21/2007	0	6.2	68.1	31.2	52.4	0	35
5/22/2007	0	6.2	71.7	32	55.9	0	45
5/23/2007	0	6.2	74.8	41	61.5	0	43
5/24/2007	0	6.2	69.3	43.1	59.6	0	41
5/25/2007	0	6.2	74.7	38.2	59.5	0	33
5/26/2007	0	6.2	73.7	48.1	60.3	0	41
5/27/2007	0	6.2	71.9	42.9	57.9	0	37
5/28/2007	0	6.2	58.8	39.4	51.9	0	42
5/29/2007	0	6.2	62.6	33.2	50.2	0	37
5/30/2007	0	6.2	64.5	36.5	51.2	0	43
5/31/2007	0	6.2	70.7	43.2	58.3	0	40
6/1/2007	0	6.3	71.3	44.7	57.9	0	36
6/2/2007	0	6.3	73.9	39.9	58.4	0	45
6/3/2007	0	6.3	75.9	45.5	62.1	0	38
6/4/2007	0	6.3	82.3	48.3	65.9	0	44
6/5/2007	0	6.3	80.5	57	68.2	0	42
6/6/2007	0	6.3	71.1	56.9	62.7	0	30
6/7/2007	0	6.4	58.8	41.5	54.2	0	40
6/8/2007	0	6.4	64	34.5	51.9	0	43
6/9/2007	0	6.4	69.1	35.9	55.3	0	44
6/10/2007	0	6.4	69.1	45.7	58.1	0	44
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
6/11/2007	0	6.4	68.9	44.5	58.7	0	39
6/12/2007	0	6.4	66	50.6	57.7	0	46
6/13/2007	0	6.5	62.2	44.7	53.6	0	35
6/14/2007	0	6.5	63.2	46.4	54.5	0	46
6/15/2007	0	6.5	69	39.6	56.6	0	48
6/16/2007	0	6.5	72.5	41.2	60.2	0	36
6/17/2007	0	6.5	76	42.5	61.5	0	36
6/18/2007	0	6.5	75.4	43.4	63.1	0	38
6/19/2007	0	6.5	75.9	43.1	63	0	37
6/20/2007	0	6.5	77.4	42.8	62.9	0	42
6/21/2007	0	6.5	78	47	63.1	0	42
6/22/2007	0	6.6	75.8	44.5	58.3	0	44
6/23/2007	0	6.6	71.8	44.7	58.6	0	46
6/24/2007	0	6.6	74.3	44	60.2	0	45
6/25/2007	0	6.7	60.5	48.2	55.9	0	26
6/26/2007	0	6.8	67	49.4	57.7	0	38
6/27/2007	0	6.8	69.7	41.3	58.4	0	41
6/28/2007	0	6.8	74.9	52.3	64	0	39
6/29/2007	0	6.8	78.5	46.2	65.5	0	41
6/30/2007	0	6.8	68.1	55.6	61.6	0	27
7/1/2007	0	6.8	71.8	52.7	64.8	0	44
7/2/2007	0	6.8	73	52	64.1	0	46
7/3/2007	0	6.8	70.5	52.5	61.1	0	36
7/4/2007	0	6.8	75.3	46	62.5	0	38
7/5/2007	0	6.8	72.4	54.8	64.5	0	37
7/6/2007	0	6.8	76.4	48.6	61.6	0	45
7/7/2007	0	6.8	73	49.5	60	0	39
7/8/2007	0	6.8	74.8	49.3	62.1	0	36
7/9/2007	0	6.8	79.1	44.9	64.5	0	34
7/10/2007	0	6.8	68.9	48.9	60.9	0	37
7/11/2007	0	6.9	68.9	52.2	59.9	0	42
7/12/2007	0	6.9	70.2	51.6	60.1	0	41
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
7/13/2007	0	6.9	74	46.1	60.4	0	45
7/14/2007	0	7	72.6	50.3	59.1	0	35
7/15/2007	0	7	70.4	44.5	57.8	0	38
7/16/2007	0	7	74.9	40.1	62	0	34
7/17/2007	0	7.1	64	55	58.2	0	25
7/18/2007	0	7.1	71.4	53.8	61.1	0	37
7/19/2007	0	7.1	77.4	45	62.8	0	34
7/20/2007	0	7.1	79.6	47.5	64.2	0	37
7/21/2007	0	7.1	78.5	56.3	66.5	0	36
7/22/2007	0	7.2	80.1	47.2	62.7	0	30
7/23/2007	0	7.3	70.5	50.6	59	0	36
7/24/2007	0	7.4	65.7	53.8	58.2	0	32
7/25/2007	0	7.4	73.2	46.7	61.4	0	39
7/26/2007	0	7.4	77.2	44.7	62.1	0	29
7/27/2007	0	7.4	77.1	44.4	63.1	0	29
7/28/2007	0	7.4	72.7	51.5	62.6	0	36
7/29/2007	0	7.4	75.7	45.5	62.1	0	37
7/30/2007	0	7.4	72.5	50.8	61.8	0	40
7/31/2007	0	7.6	63.6	51.6	57.1	0	27
8/1/2007	0	7.9	63.1	49	55.8	0	28
8/2/2007	0	7.9	69.3	45.1	58	0	36
8/3/2007	0	8	66.2	46.6	54.9	0	31
8/4/2007	0	8.6	66.9	43.9	54.6	0	34
8/5/2007	0	8.8	63.2	50.4	56.9	0	32
8/6/2007	0	9.1	63	53.4	56.5	0	36
8/7/2007	0	9.4	57.7	46.3	52.9	0	32
8/8/2007	0	9.4	63.5	40.5	52.3	0	27
8/9/2007	0	9.4	65.2	34.7	51.6	0	24
8/10/2007	0	9.4	67.6	34.2	51.2	0	28
8/11/2007	0	9.4	68.5	36.9	53.9	0	23
8/12/2007	0	9.4	68.5	34.7	54.4	0	40
8/13/2007	0	10.6	59.4	50.2	55.8	0	20
	Snow Water	Precipitation Storage	Max temp	Min Temp	Avg temp	Snow Depth	Solar Rad

Mission Creek daily SNOTEL data 2006-2007 water year continued.

Date	Transducer	Gage	°F	°F	°F	inches	w/m^2
	inches	inches					
8/14/2007	0	10.8	66.2	55.9	60.3	0	31
8/15/2007	0	10.9	70	53.6	61.1	0	29
8/16/2007	0	11	71.7	52.8	61.1	0	30
8/17/2007	0	11	75.3	45.9	60.2	0	32
8/18/2007	0	11.6	77.6	44.5	60.3	0	34
8/19/2007	0	11.7	58.4	50	55.2	0	24
8/20/2007	0	11.7	61.2	43.8	52.9	0	33
8/21/2007	0	11.7	61.1	39.7	51	0	22
8/22/2007	0	11.7	62.6	44.4	53	0	29
8/23/2007	0	11.7	66.1	37.1	51.9	0	32
8/24/2007	0	11.8	64	43.1	53.7	0	29
8/25/2007	0	11.8	68.1	40.5	52.5	0	24
8/26/2007	0	11.8	65.9	36.9	52.7	0	26
8/27/2007	0	11.8	67.2	36.3	51.6	0	22

The parks of the Central Alaska Network lie in an area that stretches northward from the Gulf of Alaska, transects 4 major mountain ranges, and crosses the banks of the upper Yukon River. They contain over 21.7 million acres and makeup 25% of all the land in the National Park Service. These parks represent a great diversity of climate and landform, from temperate rainforests to glaciated mountain ranges. What they share in common are their largely wild and unaltered landscapes. The Central Alaska Network views the parks as vast interconnected communities of life and environment, or ecosystems. The primary goal of the CAKN's Inventory & Monitoring Program is to understand relationships within network ecosystems and to monitor them for change. Such information may then be used by park managers, researchers, educators, and the public for a variety of purposes.

Inventory and Monitoring Networks are responsible for selecting and monitoring the key physical, chemical, and biological resources of their parks. Just as heartbeat and blood pressure are indicators of human health, key environmental "vital signs," such as water quality or species abundance, are indicative of park health. By measuring these ecosystem vital signs, networks will be better able to understand the condition of their parks, as well as provide a reference point for comparisons with altered environments outside their borders.

The Central Alaska Network has developed a list of 37 vital signs for long-term monitoring which encompass the animals, physical elements, human/environment interactions, and plant life in our parks. We have purposefully chosen a broad array of vital signs so that the monitoring program will readily detect unforeseen environmental changes.



Central Alaska Network

Denali National Park & Preserve
Wrangell-St. Elias National Park & Preserve
Yukon-Charley Rivers National Preserve

The Department of the Interior protects and manages the nation's natural resources and cultural heritage; provides scientific and other information about those resources; and honors its special responsibilities to American Indians, Alaska Natives, and affiliated Island Communities.

National Park Service
U.S. Department of the Interior



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