

United States Department of Agriculture



ALASKA SNOW SURVEY REPORT



April 1, 2009

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TABLE OF CONTENTS

State General Overview.....	3
Streamflow Forecast.....	4
How Forecasts are Made.....	5
Basin Conditions and Data	
Upper Yukon Basin.....	6, 7
Central Yukon Basin.....	8, 9
Tanana Basin	10, 11
Western Interior Basins	12, 13
Arctic and Kotzebue Basin.....	14, 15
Norton Sound, Southwest, and Bristol Bay.....	16, 17
Copper Basin.....	18, 19
Matanuska - Susitna Basins	20, 21
Northern Cook Inlet	22, 23
Kenai Peninsula.	24, 25
Western Gulf.....	26, 27
Southeast	28, 29
Telephone Numbers and other contact information	30

GENERAL OVERVIEW

Snowpack

Heavy snow fall continued in the Western part of the state and in Southeast through March. These two areas are well above average with greater than 150% of average snowpack conditions as of April 1st. The snow water contents on the northeast side of Wrangle-St. Elias National Park, at the headwaters of the Tanana River, are also greater than 150% normal. This trend continues into the Yukon Territories' White River Basin, which increased from 110% to 148% of normal snow water content in one month.

For Western Alaska the Seward Peninsula received significant snowfall in March, and is now greater than 150% of normal. This is the 2nd straight year of well above average snowpack conditions for the Seward Peninsula.

In the Koyukuk basin, the Lake Todatonten snow course located about 70 miles southwest of Bettles, has a water content of 9.6 inches (175% of normal). This measurement is 2nd only to the record high of 44 inches of depth and 11.3 inches of water content set in 2005. The Minnkokut snow course, in the Kanuti National Wildlife Refuge, has 46 inches of snow depth with 10.6 inches of water content, a record for April 1st with the period of record beginning 1999.

Southeast Alaska continued with its 3rd big snow year in a row. The Petersburg area is 191% of average and Douglas Island near Juneau is 158% of average.

The Kenai Peninsula has three sites above normal, Grandview SNOTEL is 103% of normal, Kenai Moose Pens SNOTEL is 122% and Port Graham SNOTEL is 159% of normal. Port Graham is an anomaly due to the colder than normal winter temperatures.

The rest of the SNOTEL sites and snow courses on the Kenai Peninsula are below, to well below normal.

Precipitation

Western and Southwestern Alaska received a significant amount of precipitation during the month of March. King Salmon, Bethel, Nome and Kotzebue all received well above average precipitation. This wet weather extended east through a good portion of the state to the towns of McGrath and Fairbanks. Since the storms tracked through this part of the state, the rest of the state received below normal precipitation for March. The Kenai Peninsula continued its' winter-long trend of below normal precipitation by avoiding most major storm systems.

Temperature

For the month of March, air temperatures on average were below normal across the entire state of Alaska. Fairbanks was -5 deg F below normal, Nome was -2 deg F, McGrath was -3 deg F, Talkeetna was -1 deg F, Anchorage was -3 deg F, and Juneau was -3 deg F. It is unusual to have such consistent temperatures, whether above or below normal, across the whole state of Alaska for an entire month time period.

STREAMFLOW

Streamflow forecasts of snowmelt runoff are as follows:

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	121	April - July
Porcupine Ricer near International Boundary	101	April - July
Yukon River near Stevens Village.....	116	April - July
Tanana River at Fairbanks.....	116	April - July
Tanana River at Nenana.....	108	April - July
Little Chena River near Fairbanks.....	95	April - July
Chena River near Two Rivers	100	April - July
Salcha near Salchaket.....	92	April - July
Sagvanirktok River near Pump Station 3	123	April - July
Kuparuk River near Deadhorse.....	119	April - July
Kuskokwim River at Crooked Creek	127	April - June
Gulkana River at Sourdough.....	105	April - July
Little Susitna River near Palmer.....	102	April - July
Talkeetna River near Talkeetna.....	95	April - July
Ship Creek near Anchorage.....	103	April - July
Kenai River at Cooper Landing	100	April - July
Gold Creek near Juneau	118	April - July

SNOWMELT RUNOFF INDEX (SRI)

For streams that no longer have stream gauging stations.

FORECAST POINT	INDEX	Index	Key:
Koyukuk River at Hughes	+1.5		
MF Koyukuk R near Wiseman	+2.3		
Slate Creek at Coldfoot.....	+2.0		
Beaver Creek above Victoria Creek.....	-1.3	-2 to -3	much below average snowmelt runoff
Birch Creek below South Fork	-0.4		
Caribou Creek at Chatanika.....	-0.1		
Susitna River near Gold Creek	+1.1	-1 to -2	below average snowmelt runoff
Chulitna River near Talkeetna.....	-1.1		
Deshka River at mouth near Willow	+1.3		
Montana Creek at Parks Highway.....	+1.5	-1 to +1	average snowmelt runoff
Willow Creek near Willow.....	+0.7		
Skwentna River at Skwentna	+0.3	+1 to +2	above average snowmelt runoff
Chuitna River near Tyonek	+0.6		
Campbell Creek near Spenard.....	-2.6		
Indian Creek at Indian.....	-1.3	+2 to +3	much above average snowmelt runoff
Bird Creek at Bird Creek	-1.2		
Glacier Creek nr Girdwood	+1.7		
Six Mile Creek near Hope	-1.0		
Resurrection Creek near Hope	-1.4		
Grouse Ck at Grouse Lake Outlet nr Seward	-1.8		
Anchor River near Anchor Point.....	-3.0		
Deep Creek near Ninilchik	-2.5		
Ninilchik River near Ninilchik.....	-2.5		
Fritz Creek near Homer.....	-2.3		
Skagway River at Skagway.....	+2.8		
Municipal Watershed C nr Petersburg	+2.7		

* See regional summaries for the forecast period and the actual forecasted flow volumes.

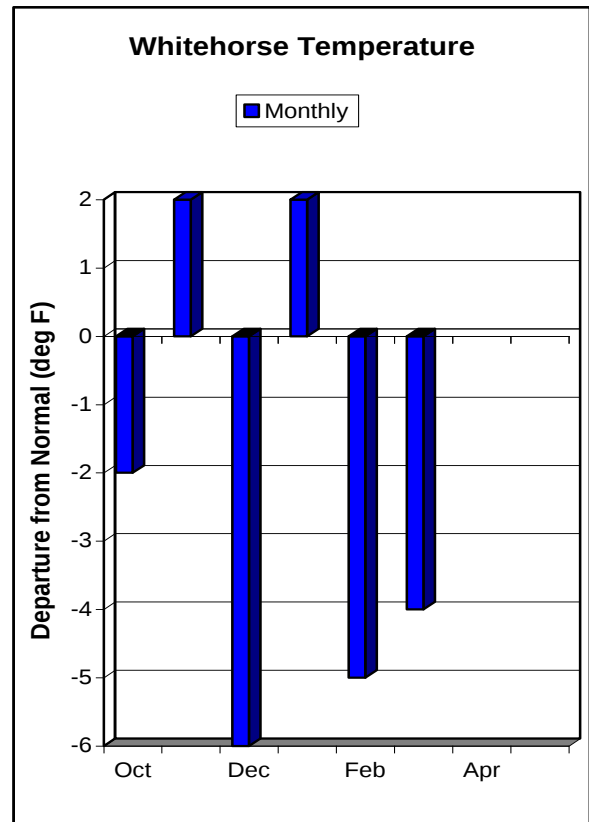
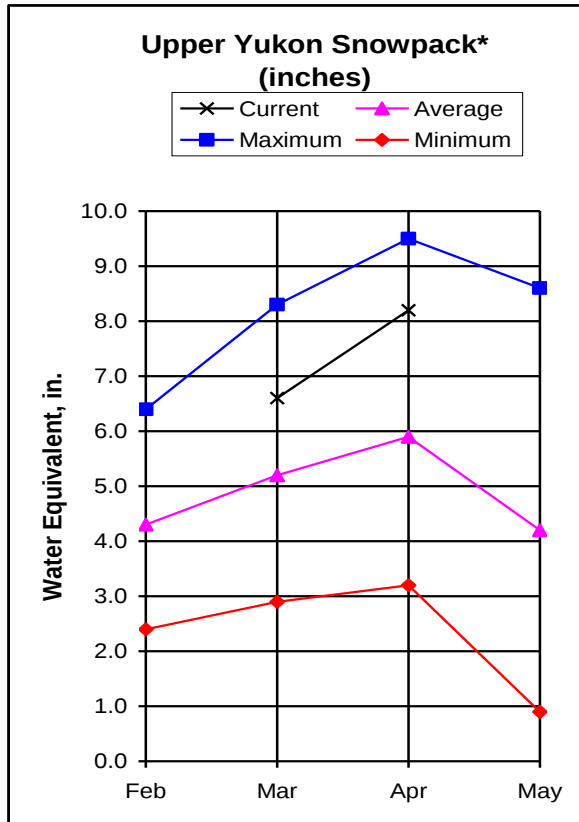
HOW FORECASTS ARE MADE

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of the water content in the snow at selected manual snow courses and automated SNOTEL sites are used in the runoff estimates. In addition, precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: uncertain knowledge of future weather conditions, uncertainty in the forecasting procedure, and errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above and a 50% chance that the actual flow will be below this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller flows (90% and 70% exceedance probability) and two larger flows (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertainty there is in the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known. This accuracy is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water, such as the threat of flooding, they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount. By using the exceedance probability information, users can determine the chances of receiving more or less water for their specific streamflow need.

UPPER YUKON BASIN*



Current Basin Conditions

The Upper Yukon basin continued to receive above average snowfall with all areas reporting above normal water content this month. Record snow water contents were measured April 1st at seven snow courses in the Yukon Territories including Burns Lake, Chair Mountain, Hoole River, Jordan Lake, Mt. McIntyre B, Whitehorse Airport, and Williams Creek.

The Whitehorse Airport snow course reported 8.7 inches of water content, 223% of normal; the previous record was 6.5 inches recorded April 1st, 2007. The record began in 1965.

The Burns Lake snow course received 2.6 inches of snow water in March totaling 12.0 inches as of April 1st. This breaks the previous record of 11.3 inches of water content recorded in 1990. Chair Mountain snow course was not measured last month, however the water content is now 197% of normal.

The three snow courses in the Dawson area received significant snowfall and increased from 89% to 113% of normal.

The White River basin also received significant snowfall increasing from 110% to 148% of normal water content as indicated by the Beaver Creek and Chair Mountain snow courses.

The Yukon River volume flow forecast for the April through July time period is 41,300,000 acre-feet of water and is 121% of average. The record high flow for this time period occurred in 1992, it was 47,449,000 acre-feet, which was 139% of average.

* For further information contact the Natural Resources Conservation Service in Anchorage.

Upper Yukon Basin

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
						(inches)		
Arrowhead Lake	3675	No Survey			---	---	35	7.9
Atlin	2395	3/29/09	28	6.1	20	4.1	21	4.9
Beaver Creek	2150	3/30/09	27	6.1	16	2.7	17	3.3
Burns Lake	3650	4/02/09	48	12.0	43	11.1	37	8.4
Burwash Airstrip	2660	3/26/09	13	2.3	8	1.1	9	1.7
Calumet	4300	4/01/09	41	9.5	28	4.3	36	7.6
Casino Creek	3490	4/03/09	32	7.4	27	4.4	26	4.9
Chair Mountain	3500	3/30/09	33	7.3	---	---	19	3.7
Duke River	4300	3/26/09	24	5.2	20	3.8	23	4.1
Edwards Lake	2720	4/01/09	35	7.5	24	4.5	30	6.7
Finlayson Airstrip	3240	4/02/09	30	6.5	27	5.7	23	4.8
Fuller Lake	3690	4/01/09	39	8.7	35	8.0	34	7.9
Grizzly Creek	3200	3/30/09	30	7.0	21	4.6	32	6.9
Hoole River	3400	4/02/09	37	8.8	32	6.4	24	5.2
Jordan Lake	3050	4/02/09	36	8.1	31	7.3	24	5.2
King Solomon Dome	3540	3/27/09	35	7.4	29	5.2	29	6.0
Log Cabin (B.C.)	2900	3/26/09	61	21.1	49	15.0	49	14.6
Mayo Airport	1770	4/01/09	23	5.0	17	2.8	17	3.7
MacIntosh	3805	4/03/09	27	5.2	25	5.7	21	3.8
Meadow Creek	4050	4/01/09	57	15.4	61	16.3	42	10.4
Midnight Dome	2805	3/27/09	32	6.8	24	4.1	28	5.8
Montana Mountain	3350	3/26/09	34	6.9	26	5.9	25	5.5
Morley Lake	2700	3/31/09	35	7.5	30	7.0	25	5.9
Mount Nansen	3350	4/03/09	24	4.3	20	4.9	17	3.0
Mt. Berdoe	3400	3/31/09	30	5.2	27	5.0	22	4.2
Mt. McIntyre B	3600	3/27/09	37	8.9	26	5.7	28	5.9
Pelly Farm	1550	3/28/09	21	3.9	16	3.1	15	3.0
Plata Airstrip	2720	4/01/09	34	7.6	28	6.7	33	7.5
Rackla Lake	3410	4/01/09	37	7.5	26	4.7	37	8.2
Rose Creek	3550	4/02/09	30	5.7	25	5.2	15	3.9
Russell Lake	3480	4/01/09	46	10.4	35	7.7	37	8.9
Satasha Lake	3805	4/03/09	28	5.8	24	5.6	21	4.3
Tagish	3540	3/30/09	35	8.0	30	7.0	26	5.5
Twin Creeks	2950	4/01/09	39	8.9	37	8.2	32	7.3
White River	2700	No Survey			---	---	16	3.0
Whitehorse Airport	2300	3/27/09	30	8.7	19	3.7	19	3.9
Williams Creek	3000	4/03/09	28	6.0	24	4.7	18	3.5
Withers Lake	3200	4/01/09	40	10.0	30	6.3	39	9.4

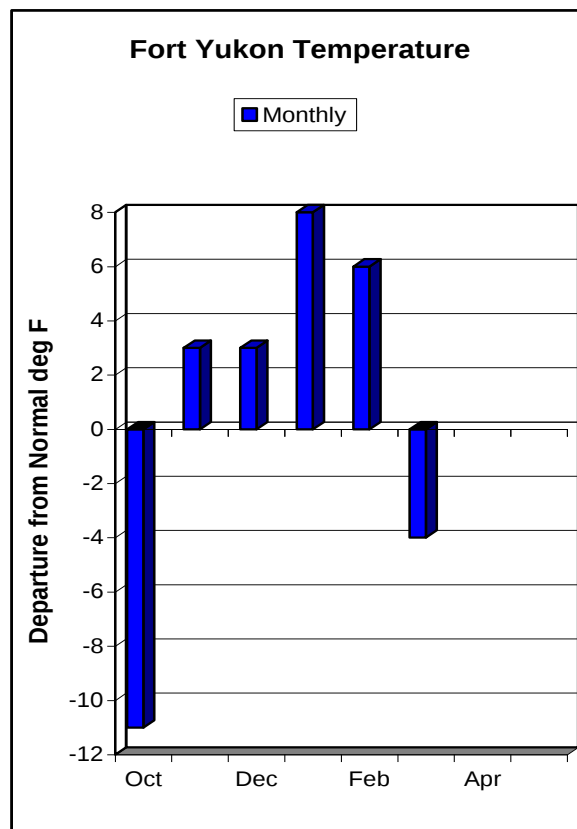
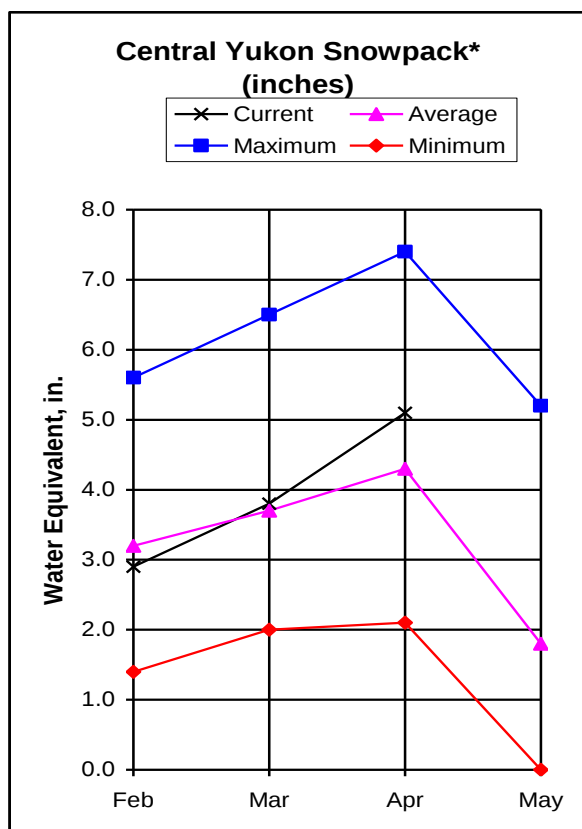
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Yukon River At Eagle	Apr-Jul	34200	41300	121	46400	36200

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Above Whitehorse/ Tetlin	10	128	150
Dawson	3	153	113
Stewart/ Pelly	13	134	120
White River	8	118	148

CENTRAL YUKON BASIN*



Current Basin Conditions

The Central Yukon basin snowpack is similar to last month and varies from normal to above normal with the exception of the Forty Mile basin. The Forty Mile increased from 98% to 121% of normal water content.

The White Mountain snow courses, northeast of Fairbanks, are 94% of normal and the Yukon Flat snow courses are 114% of normal.

In the Yukon Territories, the snow water content measurement at Old Crow snow course is the 3rd highest on record. The 4 snow courses in the Porcupine River basin are a combined 106% of normal.

In the Yukon Flats, Fort Yukon has 20 inches of snow with an estimated 4.1 inches of water content, which is 108% of normal.

The Eagle Summit SNOTEL site caught 1.0 inch of precipitation in March and now has received 5.5 inches of precipitation since October 1st, which is 93% of normal.

* For further information contact the Natural Resources Conservation Service in Fairbanks.

Central Yukon Basin

SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
						(inches)		
Borealis	1330	3/30/09	25	5.4	16	2.6	28	5.2
Boundary	3300	4/01/09	29	7.5	19	4.0	25	5.3
Cathedral Creek	1800	3/31/09	26	4.9	14	2.7	--	--
Chicken Airstrip	1650	4/02/09	20	4.7	16	3.2	16	3.2
Circle City	600	No Survey			---	---	26	4.5
Circle Hot Springs	860	3/30/09	28	4.7	18	2.8	26	4.5
Coal Creek	1000	3/31/09	24	4.5	16	2.6	---	---
Copper Creek	2000	3/31/09	16	3.5	12	2.5	---	---
Crescent Creek	2600	3/31/09	21	3.9	7	1.5	---	---
Eagle Plains	2330	3/30/09	31	6.4	19	6.5	32	7.0
Eagle River	1120	3/30/09	28	5.0	25	5.0	27	5.5
Fort Yukon	430	4/01/09	20	4.1*	16	2.8	20	3.8
Fossil	1400	3/30/09	23	5.0	14	2.5	---	---
Graphite Lake	600	No Survey			---	---	---	--
Hess Creek	1000	3/31/09	31	5.9	23	4.5	26	5.4
Lost Chicken Hill	2100	4/02/09	24	4.6	16	3.0	---	---
Lower Beaver Creek	400	No Survey			---	---	---	--
Mission Creek	900	4/02/09	13	3.0	9	2.3	18	4.1
Mt. Fairplay	3100	4/02/09	20	5.0	22	4.3	20	4.3
Old Crow	980	3/31/09	33	6.7	26	4.2*	25	4.6
Riff's Ridge	2130	3/30/09	30	6.1	24	5.8	29	5.7
Seven Mile	600	3/31/09	32	6.6	26	5.0	26	5.2
Stack Pup Creek	1620	3/30/09	26	4.3	21	2.8	25	4.4
Step Mountain	2850	3/31/09	30	5.6	11	2.3	---	---
Thirty Mile	1350	3/31/09	29	5.6	30	6.3	37	8.1
Three Fingers	3350	3/31/09	29	5.6	26	4.5	---	---
Upper Nome Creek	2650	4/01/09	27	6.0*	14	3.8	---	---
Vunzik Lake	500	No Report			---	---	---	---
Windy Gap	1900	3/25/09	26	5.7	19	3.5	31	5.7
Wolf	1200	3/25/09	21	4.5	16	3.0	27	4.8

Estimate *

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Porcupine River near International Boundary	Apr-Jul	5640	5670	101	8250	3900
Yukon River near Stevens Village	Apr-Jul	48200	55800	116	61800	49800

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

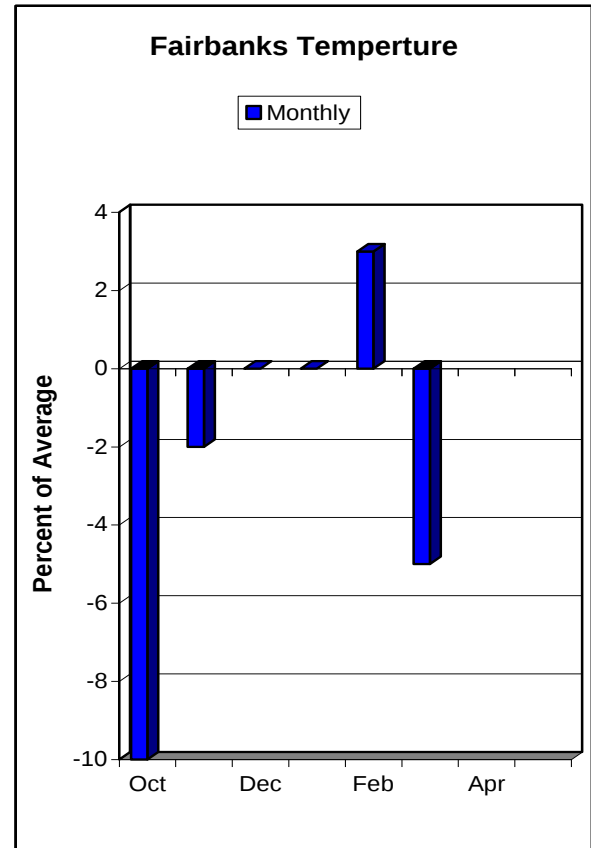
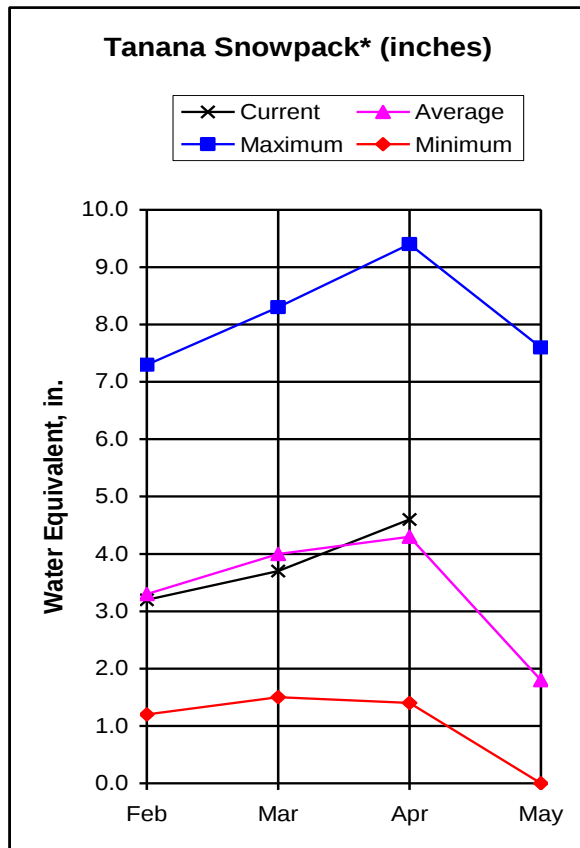
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Atigun Pass**	4800	4/01/09	7.0	5.6	8.1	86
Chandalar Shelf**	3300	4/02/09	6.0	4.9	5.3	113
Eagle Summit	3650	4/01/09	5.5	3.4	5.9	93
Fort Yukon	430	4/01/09	4.0	3.1	4.2	95
Mission Creek	900	4/02/09	5.4	3.3	5.2	104
Upper Nome Creek	2650	4/01/09	5.9	4.0	7.1	83

**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Forty Mile	5	148	121
Porcupine (Y.T.)	4	113	106
White Mountains	6	176	94
Yukon Flats	4	158	114

TANANA BASIN*



Current Basin Conditions

In the Upper Tanana Valley, the Chisana SNOTEL site is reporting 27 inches of snow depth with 5.6 inches of water content, 151% of normal. Jatamund Lake in the Tetlin Wildlife Refuge is reporting 5.1 inches of snow water content, 159% of normal. This area has significant snowpacks like the White River basin in the Yukon.

The Delta Junction portion of the Tanana Valley has increased from 94% of normal water content to 108%. Both Gerstle River and Shaw Creek Flats snow courses are reporting 118% or normal water contents.

Northeast of Fairbanks, the six Chena basin SNOTEL sites are reporting approximately 96% of normal water content conditions and the Chatanika basin snow courses are right at 100% of average.

Southwest of Fairbanks, Bonanza Creek snow course is 123% of normal and the Kantishna SNOTEL site has 31 inches of snow with an estimated 5.8 inches of water content, and is also 123% of normal.

* For further information contact the Natural Resources Conservation Service in Fairbanks or Delta Junction.

Tanana Basin

SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
					(inches)			
Bonanza Creek	1150	3/30/09	28	5.7	15	3.0	23	5.0
Caribou Creek	1250	3/31/09	25	5.3	14	2.7	23	5.0
Caribou Mine	1150	4/03/09	26	6.0	15	2.2	27	5.6
Caribou Snow Pillow	900	3/31/09	26	5.1	15	2.7	23	4.8
Chisana	3320	4/01/09	27	5.6	18	3.6	22	3.7
Cleary Summit	2230	3/30/09	31	6.0	22	3.4	31	6.7
Colorado Creek	700	4/01/09	23	4.1	15	2.6	23	4.7
Edgar Creek	2400	4/02/09	30	5.7	---	---	28	7.0
Fairbanks FO	450	4/01/09	26	4.6	14	2.7	23	4.5
Faith Creek	1900	3/30/09	26	5.0	18	2.6	28	4.9
Fielding Lake	3000	3/30/09	46	13.2	22	5.6	46	12.0
Fort Greely	1500	3/27/09	15	3.2	15	2.5	17	3.6
French Creek	1800	3/27/09	29	6.3	16	3.4	27	6.4
Gerstle River	1200	3/31/09	21	4.0	15	2.7	18	3.4
Gold King	1700	3/30/09	18	3.6	9	1.9	21	4.3
Granite Creek	1240	4/01/09	22	4.3	13	3.2	18	3.8
Haystack Mountain	1950	No Survey			---	---	31	6.0
Jatahmund Lake	2180	3/31/09	24	5.1	13	2.7	18	3.2
Kantishna	1550	4/02/09	31	5.8	22	3.6	30	5.7
Lake Minchumina	730	4/02/09	27	5.0	19	3.6	21	4.4
Little Chena Bottom	1460	4/03/09	18	3.3	12	2.0	21	4.3
Little Chena Ridge	2000	4/03/09	18	3.4	13	2.3	28	5.9
Lost Creek	3030	4/05/09	20	4.9	16	3.7	21	4.2
Mentasta Pass	2430	3/30/09	31	6.7	17	3.4	28	6.7
Monument Creek	1850	4/01/09	26	6.2	14	2.7	25	5.2
Mt. Ryan	2800	4/03/09	33	6.2	19	3.5	31	6.8
Munson Ridge	3100	4/03/09	40	9.0	22	4.1	38	9.1
Paradise Hill	2200	3/31/09	24	4.8	15	2.8	18	3.6
Ptarmigan Airstrip	2400	3/30/09	20	4.0	15	2.9	18	3.7
Ptarmigan Creek	2230	3/30/09	25	4.7	17	2.4	19	3.8
Rock Creek Bottom	2250	3/30/09	17	3.5	12	1.9	22	4.3
Rock Creek Ridge	2600	3/30/09	20	3.9	12	2.0	26	5.3
Shaw Creek Flats	980	3/27/09	18	4.0	13	2.4	16	3.4
Stampede	1800	No Survey			---	---	---	---
Teuchet Creek	1640	4/03/09	26	6.0	19	3.0	23	4.4
Tok Junction	1650	3/31/09	21	3.8	18	3.4	19	3.6
Upper Chena	3000	4/03/09	35	7.4	23	4.5	33	7.8
Upper Chena Pillow	2850	4/01/09	36	7.8	22	4.2	32	7.5
Upper Wood River	2990	4/02/09	25	4.7	15	3.2	28	5.7

Estimate *

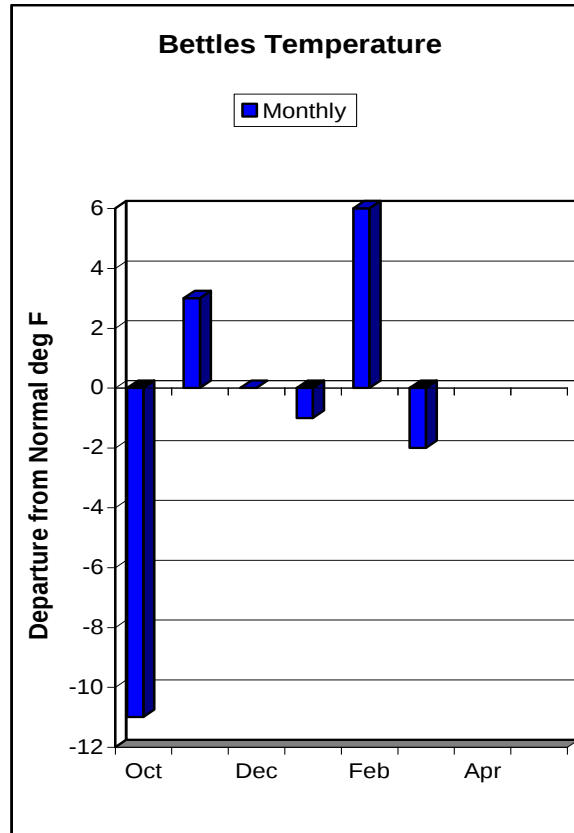
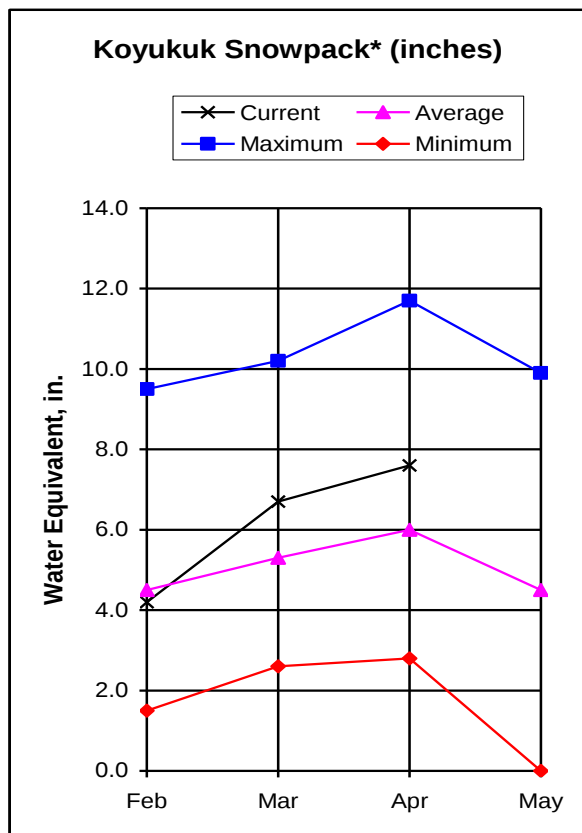
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Tanana River at Fairbanks	Apr-Jul	7100	8210	116	9170	7250
Little Chena R. near Fairbanks	Apr-Jul	78.0	74	95	102	46
Chena River near Two Rivers	Apr-Jul	270	270	100	385	155
Salcha River near Salchaket	Apr-Jul	625	575	92	800	385
Tanana River at Nenana	Apr-Jul	9000	9690	108	10900	8500

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Chatanika	4	178	100
Chena Basin	11	180	96
Lower Tanana Valley	10	159	89
Mid Tanana Valley (Delta Junction)	7	180	108
Upper Tanana Valley (Tok)	7	166	134

WESTERN INTERIOR BASINS*



Current Basin Conditions

Koyukuk

The Lake Todatonten snow course water content of 9.6 inches (175% of normal) is 2nd only to the record high of 11.3 inches set in 2005.

The Minnkokut snow course in the Kanuti National Wildlife Refuge, has 46 inches of snow depth with 10.6 inches of water content, a record for April 1st with the period of record beginning 1999.

Moving east, the snow courses along the Dalton Highway are in the 120-130% of normal range. The Coldfoot SNOTEL site has 37 inches of snow depth with 9.0 inches of snow water content, 130% of normal.

The Snowmelt Runoff Index for the Middle Fork Koyukuk River near Wiseman is well above average with an index of + 2.3 with a scale of -3 to +3.

Kuskokwim

The McGrath snow course is estimated to have 9.9 inches of water content, 152% of average. The Telaquana Lake snow course, in the headwaters of the Stony River, has 23 inches of snow depth with 6.5 inches of water content, 144% of normal.

The Kuskokwim River volume flow forecast for the April through June time period is 13,300,000 acre-feet of water and is 127% of normal.

Lower Yukon

The Tozikaket snow course water content of 6.5 inches is 130% of normal.

The snow courses in the Innoko Wildlife Refuge received 2 to 3 inches of snow water content through the month with the deepest snow measured at the Grouch Creek snow course, 59 inches of depth with 14.0 inches of water content.

* For further information contact the Natural Resources Conservation Service in Anchorage.

Western Interior Basins

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)		(inches)			
Koyukuk								
Bettles Field	640	4/01/09	37	8.4	30*	5.9	32	6.9
Bonanza Forks	1200	3/31/09	33	6.9	19	3.4	27	5.6
Cloverleaf	170	3/31/09	36	8.6	27	5.0	---	---
Coldfoot	1040	4/01/09	37	9.0	29	5.9	31	6.9
Colville Bend	170	3/31/09	33	8.3	27	5.0	---	---
Disaster Creek	1550	4/01/09	27	5.5	23	4.2	23	4.4
Huggins Creek	290	3/31/09	48	10.8	24	4.5	---	---
JR Slough	160	3/31/09	34	8.6	20	3.8	---	---
Kaldoyeit	750	3/29/09	31	6.6	16	2.9	---	---
Kanuti-Chelatna	670	3/29/09	39	8.8	26	4.8	---	---
Kanuti-Kilolitna	550	3/29/09	27	6.2	10	2.6	--	---
Lake Todatonen	550	3/30/09	44	9.6	29	5.3	28	5.5
Minnkokut	580	3/30/09	46	10.6	40	8.0	---	--
Nolitna	560	3/30/09	39	8.2	19	3.5	---	---
Table Mountain	2200	4/01/09	29	6.3	21	3.8	24	4.9
Taiholman	540	3/29/09	4	1.0	3	0.8	---	---
Treat Island	190	3/31/09	21	5.0	13	2.6	---	---
Kuskokwim								
Hoholitna River	773				30	6.7	---	---
Holitna River	257	4/01/09	54	13.8	43	9.2	---	---
Holokuk River	367	4/01/09	19	4.8	---	---	---	---
Johnny Slu	180	4/01/09	48	12.3	31	7.5	---	---
Kogruk	193	4/01/09	62	16.1	48	11.0	---	---
Lake Minchumina	730	4/02/09	27	5.0	19	3.6	21	4.4
Lower Aniak	164	4/01/09	32	8.1			---	---
McGrath	340	4/01/09	39	9.9*	30	6.9*	30	6.5
Middle Kuskokwim	297	4/01/09	42	10.7	32	9.2	---	---
N. Fork Kuskokwim	512	3/30/09	44	11.2	29	6.0	---	---
Nixon Fork Kuskowim	508	No Report			35	8.5		
Purkeypile Mine	2025	4/02/09	23	5.2	---	---	21	4.1
Telaquana Lake	1550	4/01/09	23	6.5	---	---	20	4.5
Lower Yukon								
Deer Creek	195	3/31/09	36	7.5	24	4.8	---	---
Grouch Creek	220	4/08/09	59	14.0	---	---	---	---
Holikachuk	100	4/08/09	54	13.0	---	---	---	---
Horsefly Creek	180	4/08/09	45	11.0	---	---	---	---
Innoko Cabin	200	No Report			---	---	---	---
Little Mud River	855	3/31/09	27	6.0	13	2.6	---	---
Lower Nowitna River	205	3/31/09	25	5.5	21	4.0	---	---
Menotl Creek	380	4/08/09	48	13.5	---	---	---	---
Middle Innoko	150	4/08/09	50	12.8	---	---	---	---
Nine Mile Island	140	3/31/09	41	9.6	27	5.7	---	---
Pike Trap Lake	130	3/31/09	20	4.4	0	0.0	---	---
Squirrel Creek	150	3/31/09	35	8.6	29	5.3	---	---
Tozikaket	600	3/27/09	30	6.5	18	2.6	24	5.0
Upper Innoko	180	4/08/09	50	12.0	---	---	---	---
Wapoo Hills	220	4/08/09	57	13.5	---	---	---	---
Yankee Slough	100	4/08/09	45	11.0	---	---	---	---
Yetna River	120	No Survey			---	---	---	---

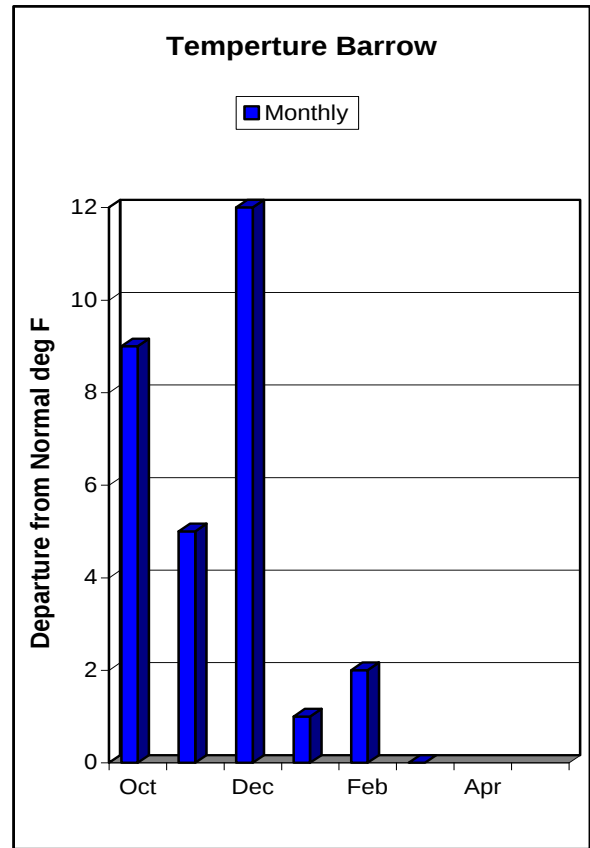
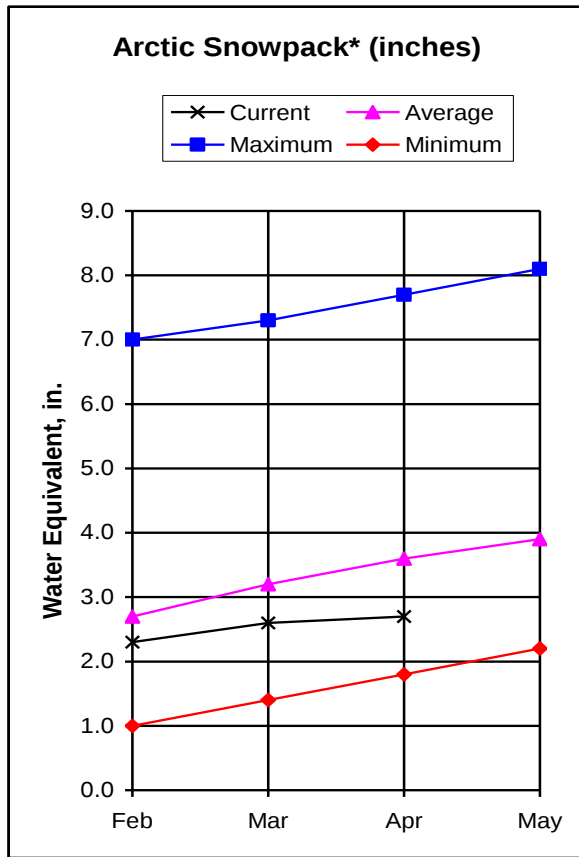
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kuskokwim River at Crooked Creek	Apr-Jul	10500	13300	127	15900	10700

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Koyukuk	11	179	139
Upper Kuskokwim	4	118	133
Lower Yukon	3	156	158

ARCTIC AND KOTZEBUE SOUND*



Current Basin Conditions

Arctic

The Atigun Pass SNOTEL site on the Dalton Highway in the Brooks Range has caught 7.0 inches of precipitation since October 1st, which is 86% of normal. North on the Dalton Highway, Imnaviat Creek SNOTEL site has received 4.8 inches since October 1st, which is 123% of normal.

Kotzebue

As of April 1st, Red Dog Mine has received 4.1 inches of precipitation for the water year, which is 70% of normal.

* For further information contact the Natural Resources Conservation Service in Anchorage.

Arctic and Kotzebue Sound

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Arctic						
Atigun Camp	3400	4/02/09	3.2	1.9	5.0	64
Atigun Pass	4800	4/01/09	7.0	5.6	8.1	86
Barrow	25	4/02/09	1.8	1.6	3.0	60
Imnaviat Creek	3050	4/01/09	4.8	2.0	3.9	123
Prudhoe Bay	30	No Report		2.9	3.8	---
Sagwon	1000	No Report		2.0	3.3	---
Kotzebue Sound						
Kivalina	50	3/31/09	4.4	2.3	---	---
Red Dog**	950	3/31/09	4.1	5.6	6.3	65

** Wyoming Shielded Gauge

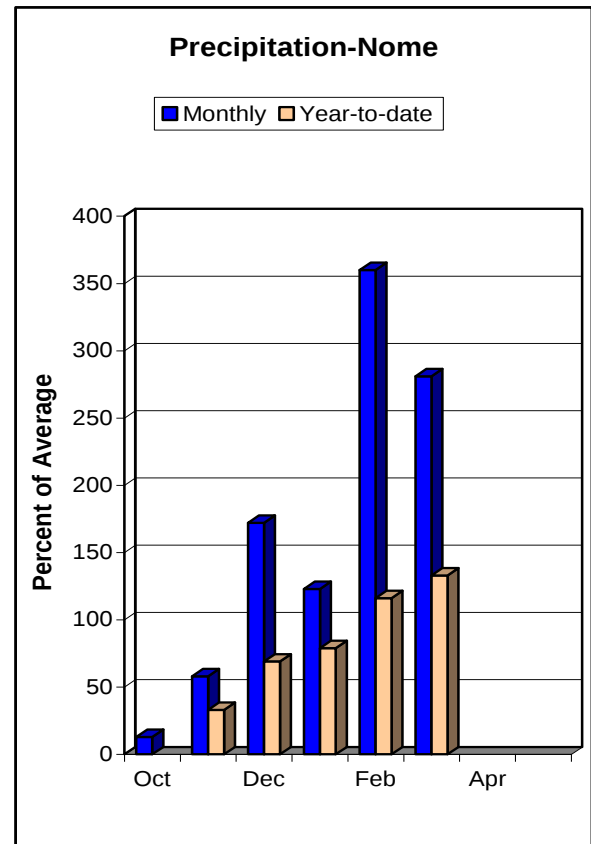
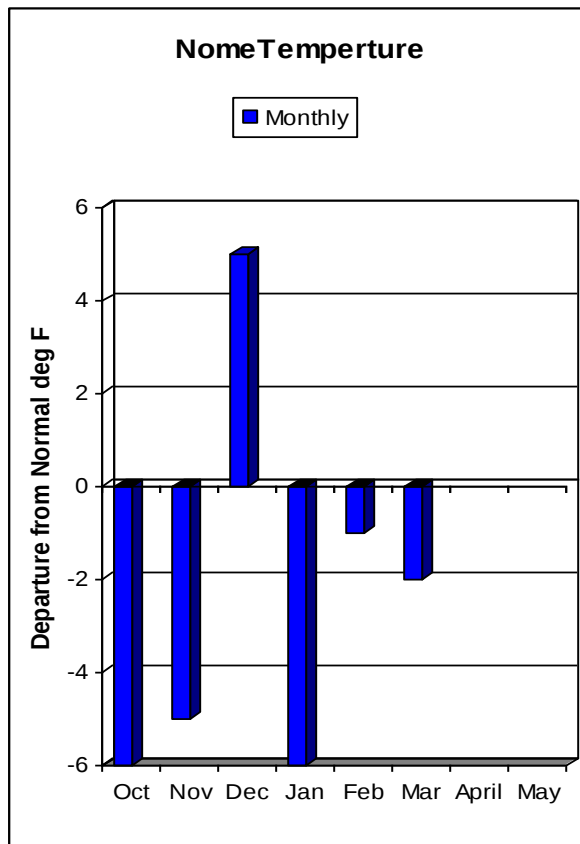
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Sagvanirktok River near Pump Station 3	May- Jul	685	840	123	1240	570
Kuparuk River near Deadhorse	April - Jul	795	945	119	1090	665

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Arctic Coast	1	112	60
Dalton Highway	3	158	88

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*



Current Basin Conditions **Norton Sound**

The Seward Peninsula continued to receive heavy snowfall in the month of March. The Rocky Point SNOTEL site south of White Mountain has 37 inches of snow on the ground. The Pargon Creek SNOTEL site located northeast of White Mountain in the Fish River Flats, has 33 inches of snow, and an estimated 7.4 inches of water content. Overall, the Seward Peninsula has had another big snow year with the snow depth in Nome increasing from 56 to 71 inches deep in March and exceeding 150% of normal.

Southwest Delta

The Bethel area continued to receive well above average precipitation in March and the snowpack is well above normal.

Bristol Bay

The Port Alsworth snow course measured 28 inches of snow depth with 6.8 inches of water content, 166% of normal. Whereas the Upper Twin Lakes snow course has 24 inches of snow depth with 5.8 inches of water content, 87% of normal.

* For further information contact the Natural Resources Conservation Service in Anchorage.

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*

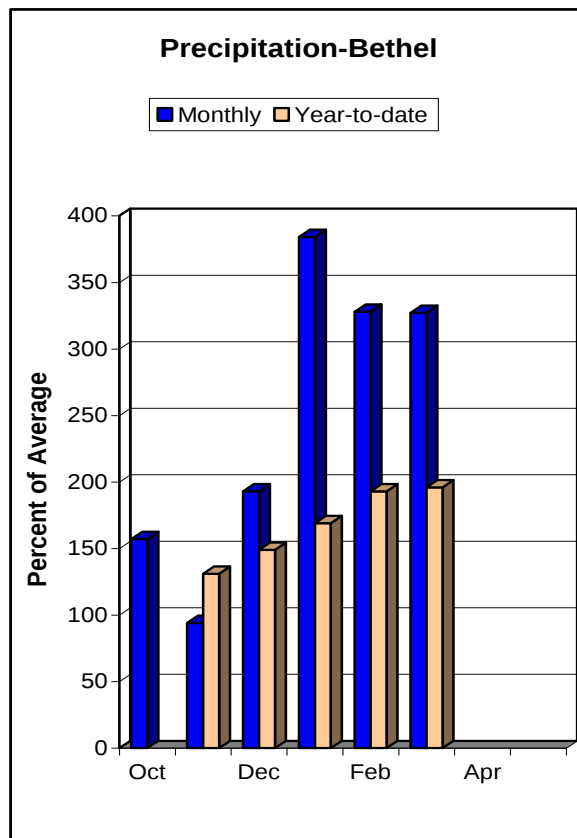
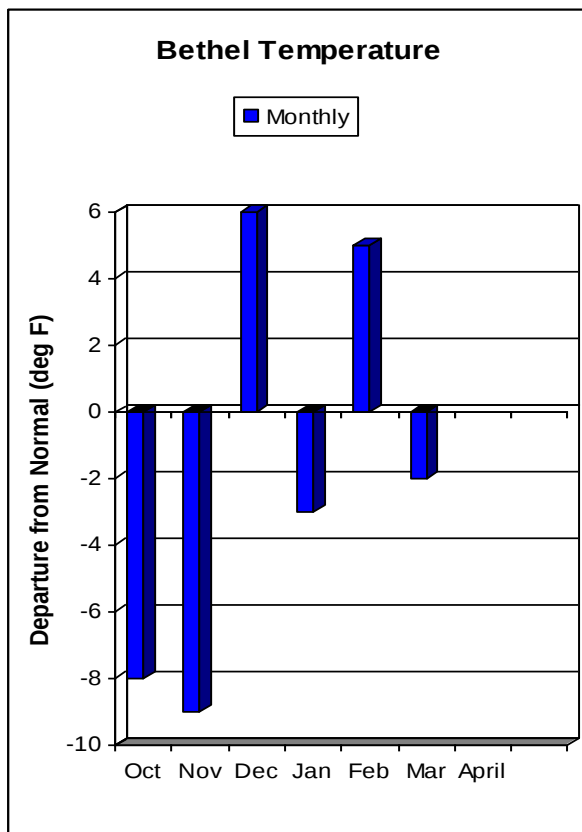
SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(inches)					
Bristol Bay								
Brooks Camp	150	No Report			3	0.8	---	---
Fishtrap Lake	1800	4/07/09	37	8.9	---	---	40	10.5
Port Alsworth	270	4/03/09	28	6.8	---	---	12	4.1
Three Forks	900	No Report			14	3.0	---	---
Upper Twin Lakes	2000	4/07/09	24	5.8	---	---	27	7.2
Norton Sound								
Johnson's Camp	25	4/01/09	26	5.5*	22	4.2	---	---
Pargon Creek	100	4/01/09	33	7.4*	22	4.2	---	---
Rocky Point	500	4/01/09	37	8.2*	29	4.4	---	---
estimate*								

PRECIPITATION DATA

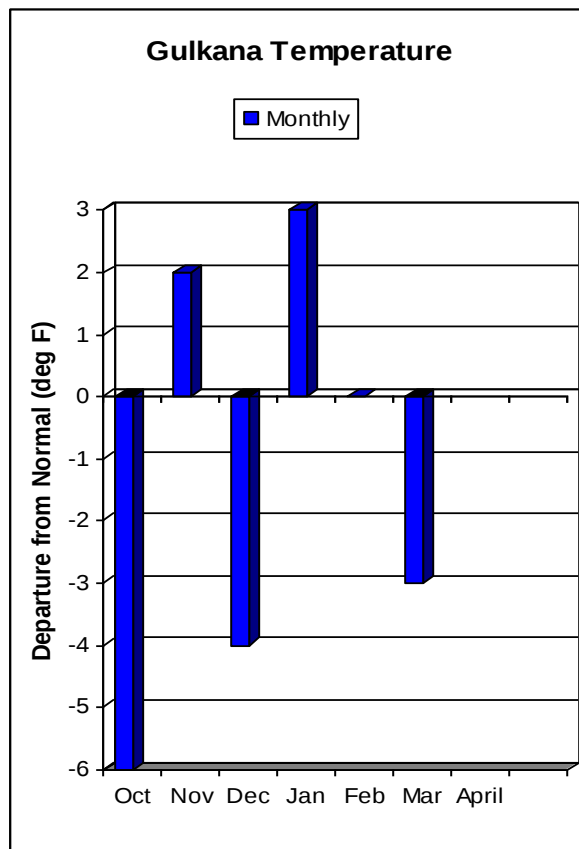
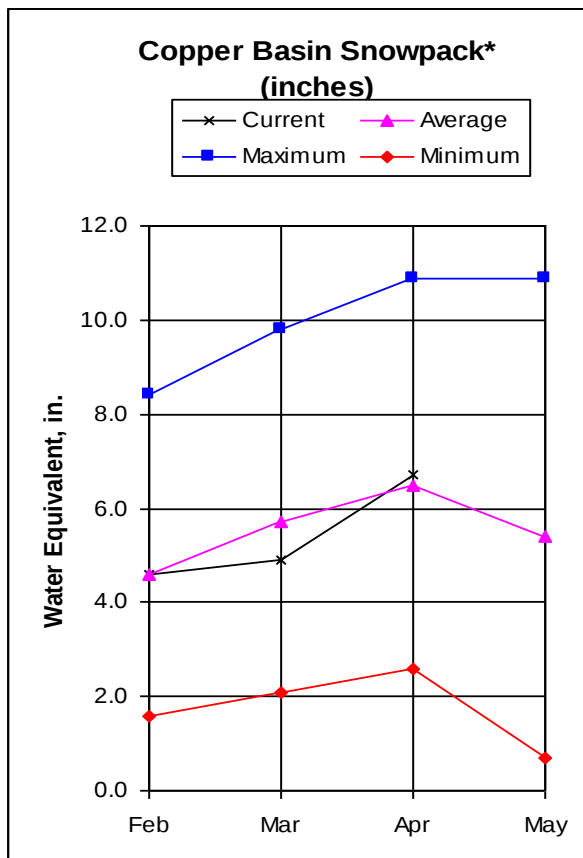
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Pargon Creek	100	4/01/09	7.4	6.8	4.7	157
Rocky Point	500	4/01/09	8.2	6.7	5.3	155



* For further information contact the Natural Resources Conservation Service in Anchorage.

COPPER BASIN*



Current Basin Conditions

The sites in the Copper vary considerably across the basin from below to above normal conditions: the Wrangell Mountain area is above normal as indicated by Sanford River (121% of normal) and May Creek (160% of normal) snow courses. The Alaska Range is about average with Fielding Lake at 110% and Mentasta Pass at 100% of normal. The Basin Floor is also hovering in the near normal range with Lake Louise recording the highest water content at 117%, and Tazlina the lowest at 71%. The snow courses on the north side of the Chugach Range (southern part of the basin) are a combined 77% of normal; Twin Lakes is the lowest at 64% and Kenny Lake School is the highest at 92% of normal. The Gulkana River is forecast to flow 500,000 acre-ft for the April through July time period, 105% of normal.

* For more information contact the Natural Resources Conservation Service in Copper River, Delta Junction or Anchorage.

Copper Basin

SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth (inches)	Water Content	Snow Depth	Water Content
Chistochina	1950	3/30/09	25	4.6	17	3.3	22	4.1
Chokosna	1550	4/05/09	17	4.9	11	2.7	22	3.9
Dadina Lake	2160	4/02/09	31	6.5	21	4.0	27	5.9
Haggard Creek	2540	3/30/09	35	7.1	24	4.4	29	6.3
Horsepasture Pass	4300	3/29/09	24	5.1	32	6.0	29	6.4
Kenny Lake School	1300	3/31/09	15	3.4	10	2.5	17	3.7
Lake Louise	2400	3/31/09	28	5.4	19	3.4	23	4.6
Little Nelchina	2650	3/31/09	29	5.0	18	3.5	25	5.3
Long Glacier	4820	4/06/09	48	14.5	28	6.4	---	---
Lost Creek	3030	4/05/09	20	4.9	16	3.5	21	4.2
May Creek	1610	4/01/09	28	5.8	23	5.3	23	5.0
May Creek	1610	4/06/09	28	8.0	22	4.9	23	5.0
Mentasta Pass	2430	3/30/09	31	6.7	17	3.4	28	6.7
Monsoon Lake	3100	4/02/09	33	6.7	17	3.8	28	6.4
Mt. Eyak	1405	4/01/09	74	23.4	95	35.0	75	24.2
Notch	2645	4/06/09	12	3.5	16	3.0	---	---
Paxson	2650	3/30/09	39	8.3	22	4.2	32	7.8
Sanford River	2280	4/02/09	34	7.5	26	4.9	28	6.2
St. Anne Lake	1990	4/02/09	22	4.2	15	3.5	25	5.5
Tazlina	1225	3/31/09	13	2.9	11	2.7	19	4.2
Tebay Lake	1930	4/06/09	54	16.5	58	18.2	---	---
Tolsona Creek	2000	3/31/09	22	4.4	15	3.0	22	4.1
Tsaina River	1650	4/01/09	42	12.4	53	14.8	57	17.6
Twin Lakes	2400	4/02/09	19	4.1	18	3.8	28	6.4
Upper Tsaina River	1750	4/01/09	50	15.6	61	18.6	70	21.7
Worthington Glacier estimate*	2100	4/01/09	65	22.1	78	25.7	72	24.9

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
May Creek	1610	4/01/09	7.4	5.6	---	---
Strawberry Reef	50	4/01/09	38.3	48.8	46.7	78
Upper Tsaina River	1750	4/01/09	23.6	21.2	26.7	111

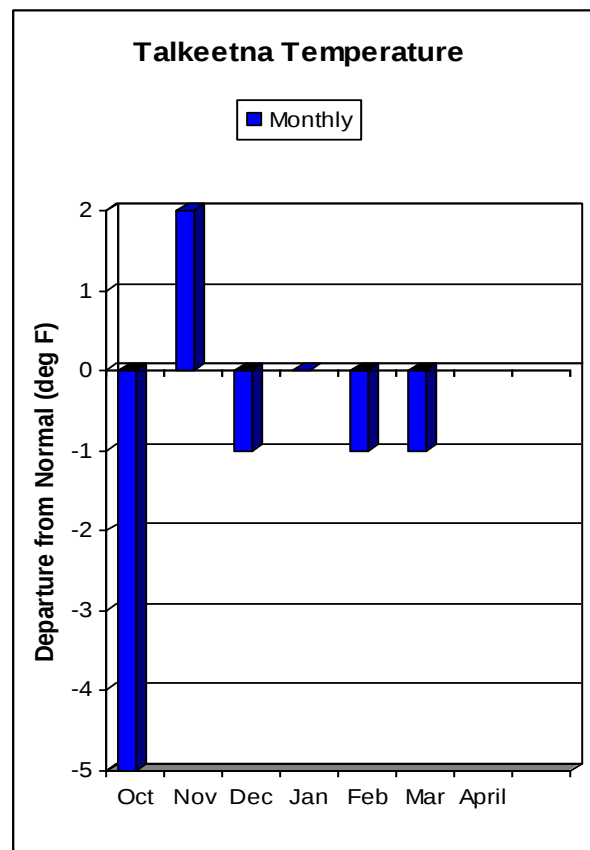
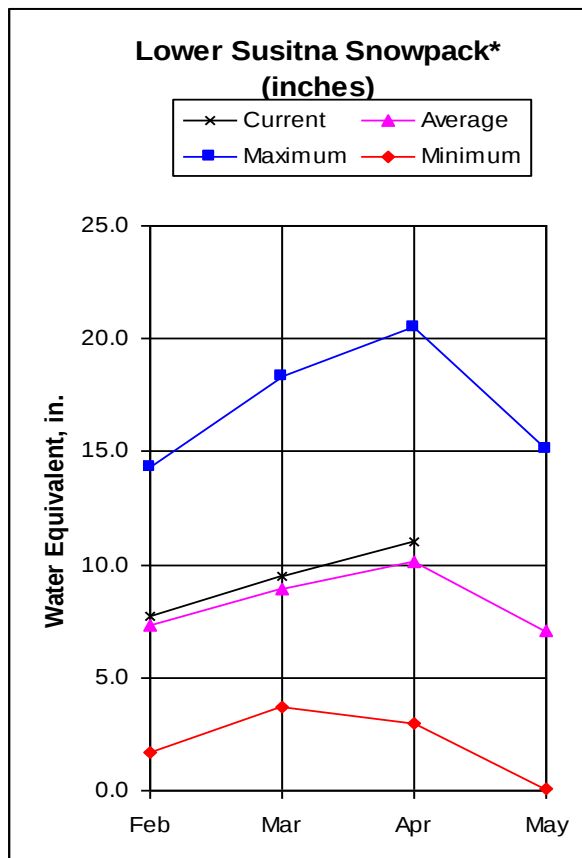
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Gulkana River at Sourdough	Apr-Jul	475	500	105	650	350

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Alaska Range	4	205	106
Basin Floor	6	145	103
Chugach Range	6	90	77
Talkeetna Mountains	3	107	100
Wrangell Mountains	4	160	118

MATANUSKA - SUSITNA BASINS*



Current Basin Conditions

The snowpack on the west side of the Susitna basin remains above normal conditions, whereas the east side increased to the normal range as the Talkeetna snow course measured 117% of normal.

The snow courses in the Little Susitna basin have increased to near normal conditions with the Independence Mine snow course at 99% of average.

The Upper Susitna basin has increased to normal conditions with Lake Louise at 117% and Monahan Flat at 93% of normal. Monahan Flat has 40 inches of snow depth and 7.5 inches of estimated water content.

The Sheep Mountain snow course on the Glenn Highway has 21 inches of snow with 4.5 inches of water content, 75% of normal.

The Snowmelt Runoff Index for Deshka River at mouth near Willow is above average at +1.3.

The Little Susitna River volume flow forecast for the April through July time period is 88,000 acre-feet of water, 102% of normal.

* For more information contact the Natural Resources Conservation Service in Wasilla.

Matanuska - Susitna Basins

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)					
Alexander Lake	160	4/02/09	53	14.3	46	13.3	44	12.0
Archangel Road	2200	4/01/09	55	16.6	42	10.7	50.0	16.3
Bentalit Lodge	150	4/01/09	34	8.2	35	9.8	---	---
Blueberry Hill	1200	3/31/09	56	16.8	48	13.5	58	16.0
Chelatna Lake	1450	No Survey			---	---	44	11.6
Clearwater Lake	2650	4/02/09	30	5.2	19	3.6	27	5.7
Curtis Lake	2850	4/02/09	25	4.9	---	---	---	---
Denali View	700	3/31/09	49	14.6	39	10.7	50	13.4
Dunkle Hills	2700	No Survey			---	---	---	---
Dutch Hills	3100	4/01/09	102	28.5*	---	---	80	27.5
E. Fork Chulitna	1800	3/31/09	54	13.8	47	12.1	54	14.0
Eldridge Glacier	3400	No Survey			---	---	---	---
Fishhook Basin	3300	4/01/09	68	21.8	57	15.2	64	20.5
Fog Lakes	2120	4/02/09	31	5.4	20	3.8	28	6.2
Halfway Slough	350	3/31/09	32	8.7	21	5.6	---	---
Independence Mine	3550	4/01/09	74	24.5	65	17.7	70	24.2
Independence Mine	3550	4/01/09	63	18.6	42	10.5	56	20.0
Lake Louise	2400	3/31/09	28	5.4	19	3.4	23	4.6
Little Susitna	1700	4/01/09	44	12.6	37	8.9	43	13.3
Monahan Flat	2710	4/01/09	40	7.5	25	6.0	35	8.1
Moose Creek Ranch	450	4/01/09	14	3.2	0	0.0	---	---
Nugget Bench	2010	4/01/09	66	16.7*	---	---	55	15.5
Ramsdyke Creek	2220	4/01/09	89	23.5*	---	---	69	22.0
Sheep Mountain	2900	3/31/09	21	4.5	19	3.6	26	6.0
Skwentna	160	4/02/09	47	11.8	45	13.1	42	11.6
Square Lake	2950	4/02/09	24	4.2	18	3.3	22	4.2
Susitna Valley High	375	4/01/09	35	8.4	35	7.7	39	10.2
Talkeetna	350	3/31/09	38	10.2	24	6.8	34	8.7
Tokositna Valley	850	4/01/09	58	13.8	68	18.6	62	18.7
Tyone River	2500	No Survey			21	3.8	24	5.2
Upper Oshetna	3150	No Survey			---	---	---	---
Upper Sanona	3100	4/01/09	31	6.4	---	---	---	---
Ward Lake	2700	No Survey			---	---	25	5.3
Willow Airstrip	200	3/31/09	31	7.5	23	6.0	31	8.1

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Little Susitna River near Palmer	Apr-Jul	86	88	102	109	67
Talkeetna River near Talkeetna	Apr-Jul	1630	1550	95	1810	1290

PRECIPITATION DATA

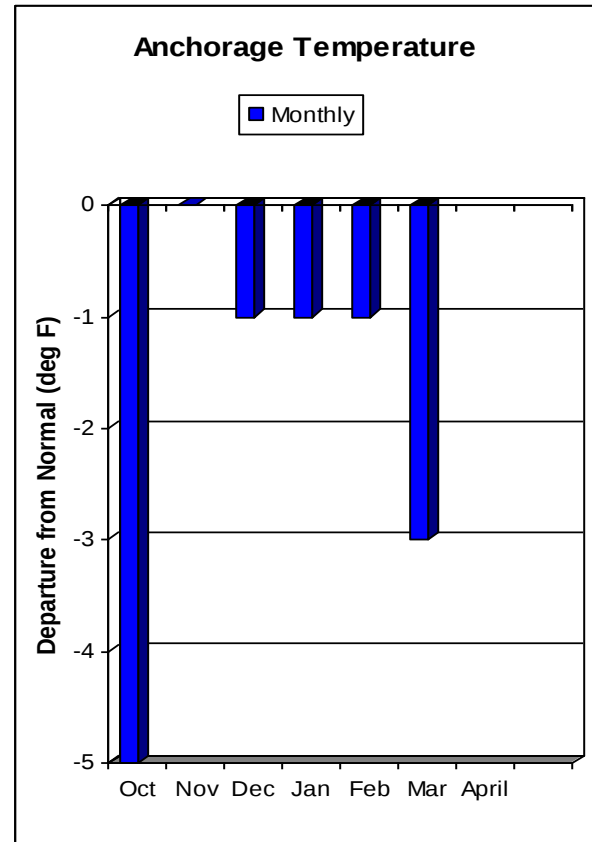
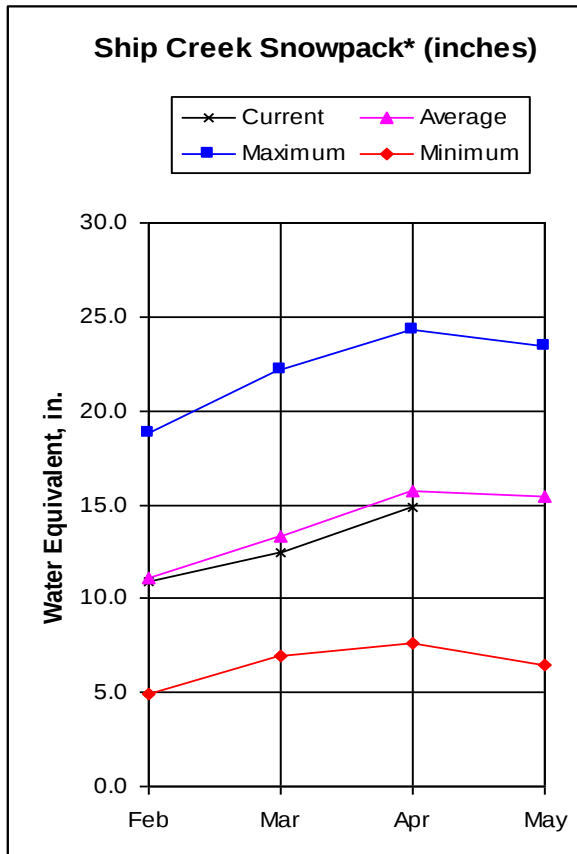
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (ft.)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Independence Mine	3550	4/01/09	18.0	12.0	25.9	70
Monahan Flat	2710	4/01/09	7.2	4.7	8.3	87
Susitna Valley High	375	4/01/09	12.0	9.5	11.7	103
Tokositna Valley	850	4/01/09	20.9	19.3	20.1	104

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lower Susitna	5	111	103
Matanuska/Little Susitna	6	148	101
Peters Hills	6	99	96
Upper Susitna	10	123	100

NORTHERN COOK INLET*



Current Basin Conditions

The Anchorage Hillside SNOTEL site is 87% of normal, and the Moraine SNOTEL site located above Eklutna Lake is 103% of normal water content.

The Portage Valley snow course received significant snow fall in March. The depth is now 72 inches with 21.3 inches of water content; last month it was half this amount.

The Arctic Valley snow courses are well below normal. As a result, the Snowmelt Runoff Index for Campbell Creek near Spenard is much below average at -2.6.

The Ship Creek near Anchorage volume flow forecast for the April through July time period is 60,000 acre-feet of water, 103% of normal.

* For more information contact the Natural Resources Conservation Service in Anchorage.

Northern Cook Inlet

SNOW PACK DATA

Snow Course	Elev.	Date	This Year		Last Year		1971-2000 Average	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)					
Anchorage Hillside	2080	4/01/09	43	9.0	39	10.4	38	10.4
Arctic Ski Bowl	3000	4/01/09	27	7.0	40	12.5	43	14.0
Arctic Valley #1	500	4/01/09	12	2.3	2	0.8	14	3.6
Arctic Valley #2	1000	4/01/09	16	3.5	19	4.9	20	5.1
Arctic Valley #3	1450	4/01/09	28	7.1	32	8.7	28	7.3
Arctic Valley #4	2030	4/01/09	32	7.1	33	8.9	29	7.7
Chuitna Plateau	1540	4/02/09	89	29.8	108	38.0	86	26.9
Congahbuna Lake	500	4/02/09	44	12.1	43	12.9	38	10.8
Granite Point	250	No Survey			---	---	15	5.6
Indian Pass	2350	4/01/09	76	22.7	75	25.0	71	23.7
Kincaid Park	250	4/02/09	20	5.0	10	3.4	16	4.2
Lone Ridge	1675	4/02/09	98	33.0	110	39.0	86	33.1
Moraine	2100	4/01/09	27	8.0	36	9.3	29	8.0
Mt. Alyeska	1540	4/01/09	106	32.3	121	39.1	110	40.6
Point Mackenzie	200	4/01/09	22	5.6	13	4.0	18	4.4
Portage Valley	50	4/01/09	72	21.3	60	23.1	39	15.0
South Campbell Creek	1200	3/31/09	23	5.7	23	6.3	28	7.4

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Ship Creek near Anchorage	Apr-Jul	58.0	60	103	72	48

PRECIPITATION DATA

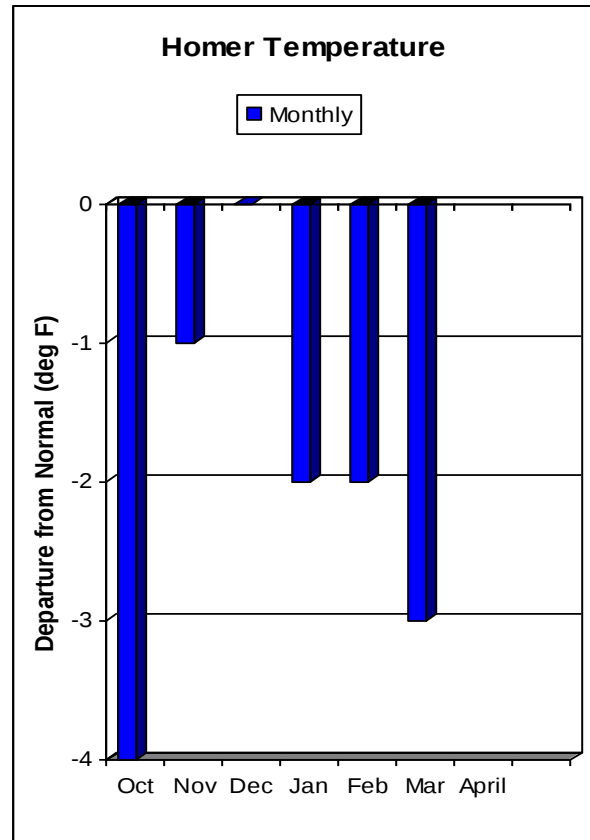
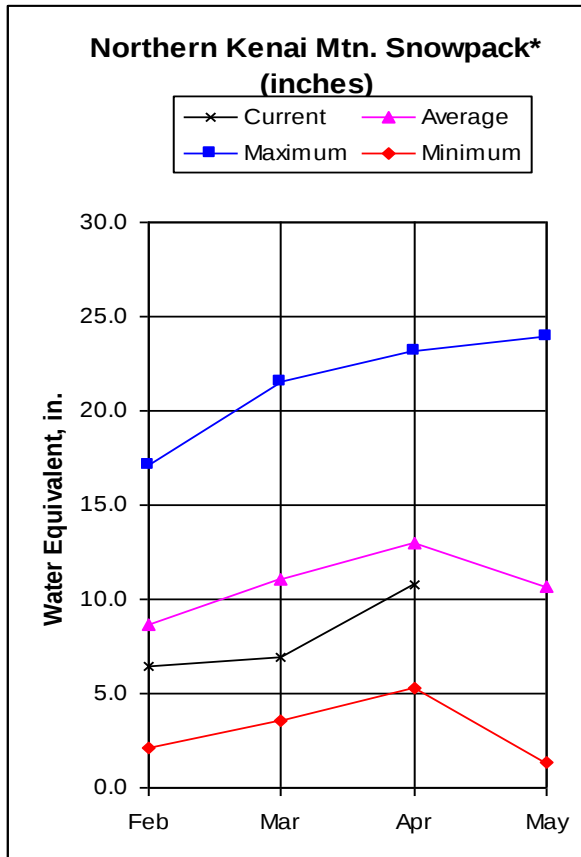
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchorage Hillside	2080	4/01/09	14.1	13.0	13.1	108
Indian Pass	2350	4/01/09	20.9	25.5	23.9	87
Moraine	2100	4/01/09	9.8	11.6	9.7	101
Mt. Alyeska	1540	4/01/09	35.9	52.2	43.6	82
Point Mackenzie	200	4/01/09	8.0	6.6	8.1	99

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Beluga	3	83	108
Campbell Creek	3	98	91
Ship Creek	8	83	84
Turnagain Arm	3	72	73

KENAI PENINSULA*



Current Basin Conditions

The Kenai Peninsula has three sites above normal; Grandview SNOTEL is 103% of normal, Kenai Moose Pens SNOTEL is 122%, and Port Graham SNOTEL is 159% of normal. Port Graham is an anomaly due to the colder than normal winter temperatures.

The rest of the SNOTEL sites and snow courses on the Kenai Peninsula are below, to well below normal.

The Nuka Glacier SNOTEL site is 53% of average with 60 inches of snow depth and only 21.1 inches of water content; normally it should have 95 inches of snow and 39.5 inches of snow water content at this time of year.

Above Homer, the Bridge Creek snow course has the 2nd lowest water content on record with 5.4 inches; the record low for April 1st is 3.4 inches of water content set in 2003. The April 1st average is 12.9 inches of water content.

The Snowmelt Runoff Index for Anchor River near Anchor Point is much below average at -3.0.

In the Northern Kenai Mountains, Snowmelt Runoff Index for Six Mile Creek near Hope is below average at -1.0.

The Kenai River at Cooper Landing volume flow forecast for the April through July time period is 925,000 acre-feet of water, 100% of normal.

* For more information contact the Natural Resources Conservation Service in Homer.

Kenai Peninsula

SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
					(inches)			
Anchor River Divide	1600	4/01/09	32	7.8	50	15.6	43	12.6
Bertha Creek	950	3/28/09	47	15.3	78	22.6	57	17.6
Bridge Creek	1300	4/02/09	23	5.4	37	13.3	44	12.9
Cooper Lake	1200	4/01/09	31	9.8	50	14.0	50	15.6
Demonstration Forest	780	4/02/09	20	5.2	26	9.4	32	9.5
Eagle Lake	1400	3/31/09	35	9.0	42	13.1	42	12.7
Grandview	1100	4/01/09	105	28.9	127	39.1	83	28.0
Grouse Creek Divide	700	4/01/09	44	10.8	74	19.8	58	19.5
Jean Lake	620	3/27/09	14	1.9	10	3.0	15	4.0
Kachemak Creek	1660	3/31/09	38	12.9	91	35.8	---	---
Kenai Moose Pens	300	4/01/09	19	5.0	11	3.9	15	4.1
Kenai Summit	1390	3/28/09	49	11.4	60	16.0	46	14.3
McNeil Canyon	1320	4/01/09	30	7.5	40	12.7	38	10.7
Moose Pass	700	3/28/09	26	5.5	32	9.6	21	7.1
Nuka Glacier	1250	3/31/09	60	21.1	138	55.0	95	39.5
Pass Creek	1200	4/03/09	33	8.5	40	9.6	32	8.6
Port Graham	300	4/01/09	31	9.4	42	12.6	20	5.9
Resurrection Pass	2250	4/01/09	38	9.0*	43	12.7	38	10.9
Snug Harbor Road	500	3/27/09	16	4.0	14	4.5	18	5.1
Summit Creek	1400	4/01/09	39	9.1	47	13.5	44	12.1
Turnagain Pass	1880	4/01/09	107	27.6	151	50.9	106	36.0
estimate*								

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kenai River at Cooper Landing	Apr-Jul	925	925	100	1050	800

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

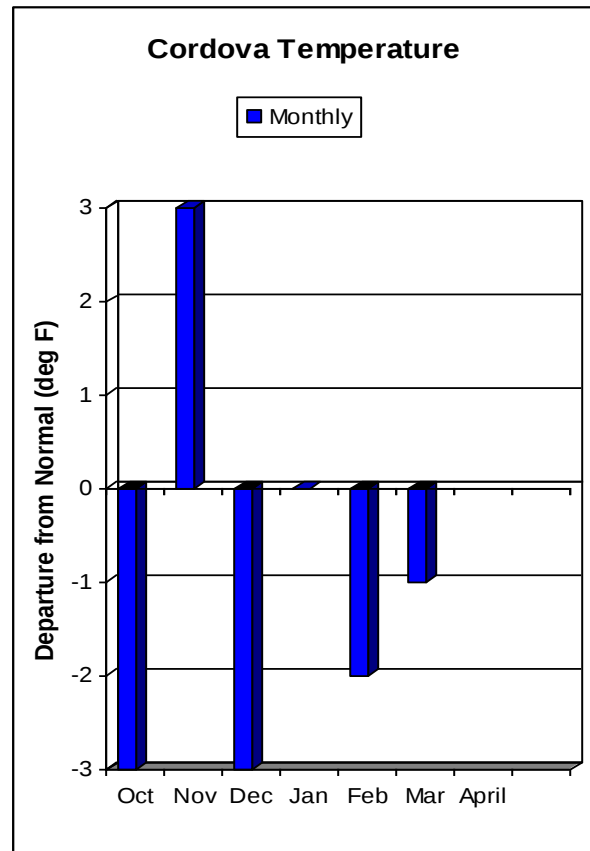
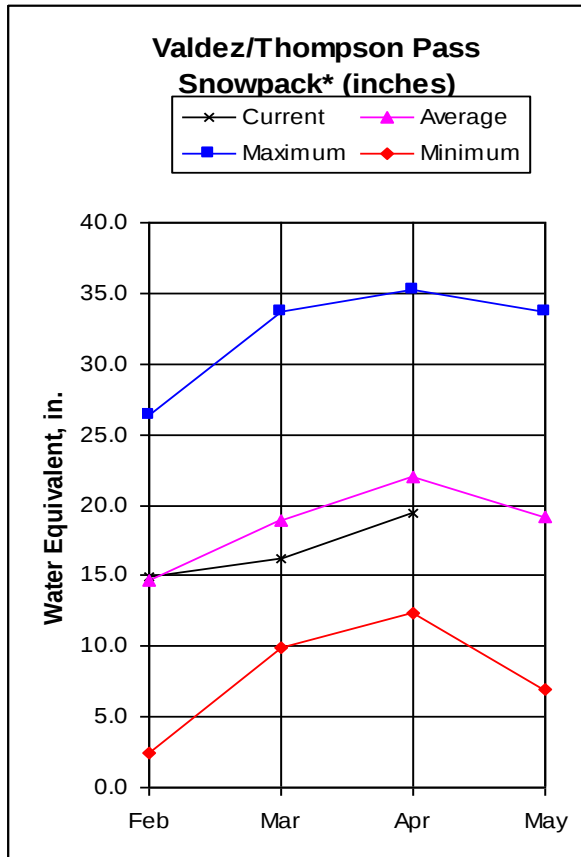
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchor River Divide	1600	4/01/09	12.7	23.9	18.5	69
Cooper Lake	1200	4/01/09	21.0	27.7	23.3	90
Grandview	1100	4/01/09	40.0	54.0	37.0	108
Grouse Creek Divide	700	4/01/09	28.6	51.5	35.5	124
Kachemak Creek	1660	4/01/09	26.4	43.0	39.4	67
Kenai Moose Pens	300	4/01/09	7.8	6.3	8.2	95
McNeil Canyon	1320	4/01/09	11.3	19.0	15.7	72
Middle Fork Bradley**	2300	4/01/09	26.3	36.2	34.6	76
Nuka Glacier**	1250	4/01/09	26.7	58.0	54.7	49
Port Graham	300	4/01/09	31.0	58.7	40.1	77
Summit Creek	1400	4/01/09	14.3	17.7	16.2	88
Turnagain Pass	1880	4/01/09	29.6	52.0	39.8	74

**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Bradley Lake/Southern Kenai Peninsula	2	42	67
Ninilchik Dome	5	54	60
Northern Kenai Mountains	12	64	79
Northern Kenai Flats	1	128	122

WESTERN GULF*



Current Basin Conditions

The Western Gulf snow course measurements are below normal. However, the telemetry sites in Prince William Sound that are near sea level including Esther Island, Tatitlek and Port San Juan have significant snowpacks due to colder than normal temperatures this winter. The Grouse Creek Divide SNOTEL site, north of Seward, has 44 inches of snow depth with 10.8 inches of water content, 55% of normal snow water content. Across the bay from Valdez, the Sugarloaf Mountain SNOTEL site has 78 inches of snow depth with 27.8 inches of snow water content, 99% of normal snow water content. Mt. Eyak SNOTEL site, above Cordova, has 75 inches of snow depth with 23.3 inches of water content, and is 96% of normal. The Strawberry Reef SNOTEL, located just east of the mouth of the Copper River has received 38.3 inches of precipitation since October 1st, 82% of normal.

* For more information contact the Natural Resources Conservation Service in Copper Center.

Western Gulf

SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
						(inches)		
Exit Glacier	400	3/30/09	47	12.5	74	24.5	57	15.9
Grouse Creek Divide	700	4/01/09	44	10.8	74	19.8	58	19.5
Lowe River	600	4/01/09	43	12.1	37	11.6	54	17.1
Mt. Eyak	1405	4/01/09	75	23.3	95	35.0	75	24.2
Nuka Glacier	1250	3/31/09	60	21.1	138	55.0	95	39.5
Sugarloaf Mountain	550	4/01/09	78	27.8	77	27.5*	87	28.0
Tsaina River	1650	4/01/09	42	12.4	53	14.8	57	17.6
Upper Tsaina River	1750	4/01/09	50	15.6	61	18.6	70	21.7
Valdez	50	4/01/09	52	15.5	46	15.7	54	17.8
Worthington Glacier estimate*	2100	4/01/09	65	22.1	78	25.7	72	24.9

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Esther Island	50	4/01/09	78.9	102.9	81.7	97
Grouse Creek Divide	700	4/01/09	28.6	51.5	35.5	81
Mt. Eyak	1405	4/01/09	56.1	66.4	67.5	83
Nuka Glacier**	1250	4/01/09	26.7	58.0	54.7	49
Port San Juan	50	4/01/09	59.0	90.1	75.5	78
Seal Island	30	4/01/09	36.7	44.2	40.4	91
Strawberry Reef	50	4/01/09	38.3	48.8	46.7	82
Sugarloaf Mountain	550	4/01/09	36.3	41.2	40.5	90
Tatitlek	50	4/01/09	40.2	41.2	38.4	105
Upper Tsaina River	1750	4/01/09	23.6	21.2	26.8	88

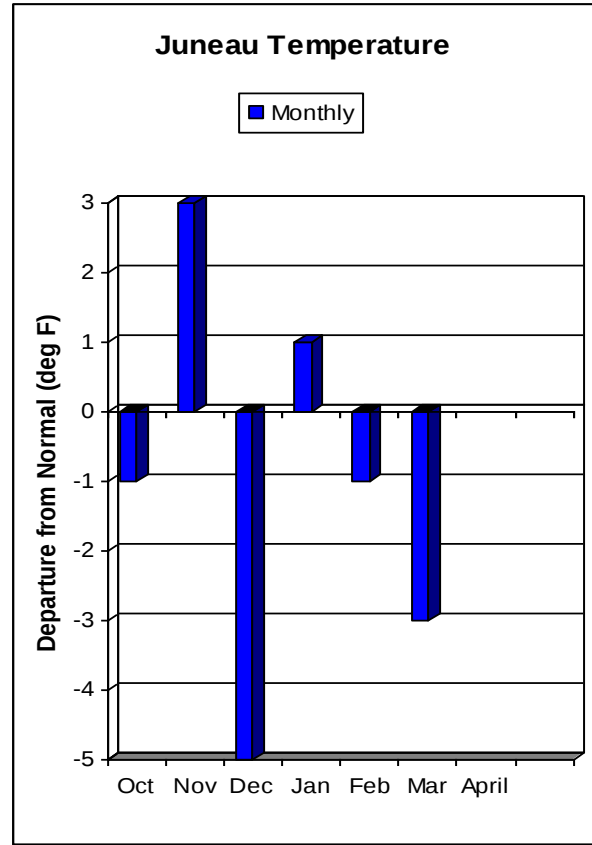
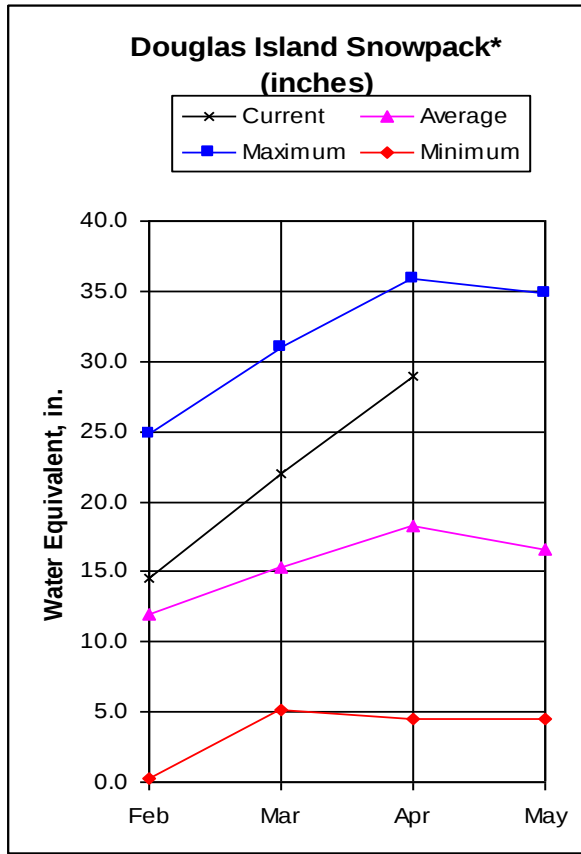
**Wyoming shielded gauge

*Copper Valley Electric Association

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lowe River (Valdez)	5	87	90

SOUTHEAST*



Snowcover:

The three Douglas Island snow courses, across from Juneau, are a combined 158% of normal, and 107% of last year.

The Speel River snow course near the Snettisham Hydro-electric power facility has 132 inches of snow depth with 48.0 inches of water content, 154% of normal. This is the largest snow depth ever recorded at this site for any month and the 6th greatest water content. The record began in 1965.

The Petersburg Reservoir snow course has 69 inches of snow depth with 21.5 inches of water content. This year's measurements have only been exceeded once before two years ago on April 1st, 2007 when there was 71 inches of snow depth with 25.0 inches of water content. The record began in 1980.

The Snowmelt Runoff Index for the Municipal Watershed Creek near Petersburg is much above average at +2.7.

* For further information contact the Natural Resources Conservation Service in Anchorage.

SOUTHEAST

SNOWPACK DATA

SNOW COURSE	ELEV.	DATE	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
Cropley Lake	1650	3/31/09	125	42.0	122	42.2	81	30.3
Eagle Crest	1200	3/31/09	110	30.1	87	31.5	54	18.5
Fish Creek	500	3/31/09	43	14.6	21	7.4	19	6.2
Lake Grace Pass	1900	4/08/09	152	57.5	194	84.8	---	---
Long Lake	850	4/01/09	137	49.9	150	53.0	110	44.1
Lost Lake	425	4/08/09	67	25.5	75	28.8	---	---
Mint Creek Ridge	1900	4/08/09	137	44.5	188	76.3	---	---
Moore Creek Bridge	2250	4/01/09	71	25.8	67	23.8	73	20.0
Petersburg Reservoir	550	3/30/09	69	21.5	48	18.4	15	6.2
Petersburg Ridge	1650	4/02/09	127	40.8	127	47.6	71	26.4
Speel River	280	4/01/09	132	48.0	99	40.6	78	31.1
Upper Swan Lake	1700	4/08/09	87	30.7	---	---	---	---
West Creek	470	3/31/09	38	12.8	34	12.2	---	---
Upper Silvas	2300	No Report			225	92.8	---	---

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Gold Creek near Juneau	Apr- Jul	33	39	118	47	31

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Long Lake	850	4/01/09	102.1	94.4	96.4	106
Moore Creek Bridge	2250	4/01/09	23.5	25.3	24.3	97
Snettisham	25	No Report		104.7	106.8	---
Swan Lake	50	No Report		109.4	88.2	---

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Douglas Island	3	107	158
Long Lake	2	97	139
Petersburg	2	94	191
Swan Lake	No Report		

For further information contact:

NRCS Alaska web site: ***www.ak.nrcs.usda.gov/snow/***

Alaska Meteor Burst Communication System (AMBCS) web site: ***www.ambcs.org***

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Mat-Su Field Office

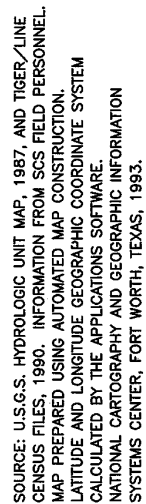
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HYDROLOGIC BASINS ALASKA





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Alaska Snow Survey Report

Natural Resources Conservation Service
Anchorage, AK

