

United States Department of Agriculture



Issued by:

Dave White, Chief
Natural Resources Conservation Service
Washington, D.C.

Released by:

Bob Jones
State Conservationist
Natural Resources Conservation Service
Palmer, Alaska

Published by:

Rick McClure, DCO Supervisor
Daniel Fisher, Hydrologist
Dan Kenney, Hydrologic Technician
Snow, Water and Climate Staff
Natural Resources Conservation Service
Anchorage, Alaska

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

For the month of March most of the snow courses across the state received a very small amount of new snow with many having the same water contents as last month with a small reduction in the snow depth. The one area where the snow course water contents received average to above average increments in snow water content seemed to be along the Richardson Highway north of Thompson Pass starting at Kenny Lake proceeding north to Haggard Creek.

South of the Alaska Range, the Dutch Hills snow course, just south of Denali, has a new record low for April 1st with 45 inches of snow depth and an estimated 13.5 inches of water content, this is 49 percent of average. The previous low was March 26th, 1996 with 47 inches of snow and 14.1 inches of water content. The 7 snow courses in the Matanuska/Little Susitna area are well below average at 61 percent. Snow water contents range from 54 percent of average at the Independence Mine snow course to 89 percent of average at the Point MacKenzie snow course. For the Kenai Peninsula, northeast of Homer, the Anchor River Divide SNOTEL site reported 34 inches of snow depth with 8.6 inches of water content, and is 68% of average. The Nuka Glacier SNOTEL site has 51 inches of snow depth with 17.1 inches of water content, which is 43% of average.

For the Copper Basin, snow water contents for 4 of the 5 regions of the basin are below average. However, on the east side of the large basin, the Wrangell Mountains are 105 percent of average water content. The Chokosna snow course is the greatest above average at 128 percent with 24 inches of snow depth and 5.0 inches of water content.

Southeast Alaska is having an average to below average snow pack year with the Snettisham/Long Lake Hydro project being, 75 percent of average. Petersburg snow courses are 104 percent of average.

For the Yukon Territories, there are 3 snow courses with record high snow water contents; Mt. McIntyre B has 9.5 inches with the previous record of 8.9 being set in 2009, the record began in 1975, Mt. Berdoe has 7.6 inches of water content with the previous record being 6.6 inches set in 1986, the record began in 1975 and Mount Nansen has 6.2 inches of water content, the previous record being 4.9 set in 2008 with the record beginning in 1976.

Precipitation

With mostly clear skies for the month, very little precipitation was received across most of the state with respect to average. The only exception was the east side of the Copper basin as indicated by the May Creek SNOTEL site, which received 1.8 inches of precipitation, average monthly increment is 0.6 inches.

Temperature

With the clear skies the average monthly temperatures varied from a little above normal to below normal across the state ranging from 10 degrees F greater than normal at Barrow to 3 degrees F below normal at Juneau. The Seward Peninsula in the northwest, and the area east to Galena, were 1 to 4 degrees F above normal for the month.

South Central, Southwest and Southeast Alaska were 0 to 3 degrees F below normal for the month.

STREAMFLOW

Streamflow forecasts of snowmelt runoff are as follows:

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	108	April - July
Porcupine Ricer near International Boundary	103	April - July
Yukon River near Stevens Village.....	100	April - July
Tanana River at Fairbanks.....	103	April - July
Tanana River at Nenana.....	97	April - July
Little Chena River near Fairbanks.....	99	April - July
Chena River near Two Rivers	100	April - July
Salcha near Salchaket	90	April - July
Sagvanirktok River near Pump Station 3	90	April - July
Kuparuk River near Deadhorse.....	97	April - July
Kuskokwim River at Crooked Creek	95	April - June
Gulkana River at Sourdough.....	79	April - July
Little Susitna River near Palmer.....	73	April - July
Talkeetna River near Talkeetna.....	85	April - July
Ship Creek near Anchorage.....	78	April - July
Kenai River at Cooper Landing	90	April - July
Gold Creek near Juneau	97	April - July

SNOWMELT RUNOFF INDEX (SRI)

For streams that no longer have stream gauging stations.

FORECAST POINT	INDEX	Index	Key:
Koyukuk River at Hughes.....	-0.5		
MF Koyukuk R near Wiseman	-1.1		
Slate Creek at Coldfoot.....	-0.9		
Beaver Creek above Victoria Creek.....	+1.0	-2 to -3	much below average snowmelt runoff
Birch Creek below South Fork	-2.3		
Caribou Creek at Chatanika.....	+0.1		
Susitna River near Gold Creek	-1.8	-1 to -2	below average snowmelt runoff
Chulitna River near Talkeetna.....	-3.0		
Deshka River at mouth near Willow	-2.4		
Montana Creek at Parks Highway.....	-1.2	-1 to +1	average snowmelt runoff
Willow Creek near Willow.....	-2.1		
Skwentna River at Skwentna	-1.2	+1 to +2	above average snowmelt runoff
Chuitna River near Tyonek	-2.1		
Campbell Creek near Spenard.....	-2.2		
Indian Creek at Indian.....	-3.0	+2 to +3	much above average snowmelt runoff
Bird Creek at Bird Creek	-3.0		
Glacier Creek nr Girdwood	-1.7		
Six Mile Creek near Hope	-2.1		
Resurrection Creek near Hope	-1.9		
Grouse Ck at Grouse Lake Outlet nr Seward	-1.8		
Anchor River near Anchor Point.....	-2.8		
Deep Creek near Ninilchik	-2.3		
Ninilchik River near Ninilchik.....	-2.3		
Fritz Creek near Homer	-2.2		
Skagway River at Skagway.....	+0.3		
Municipal Watershed C nr Petersburg	+0.4		

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

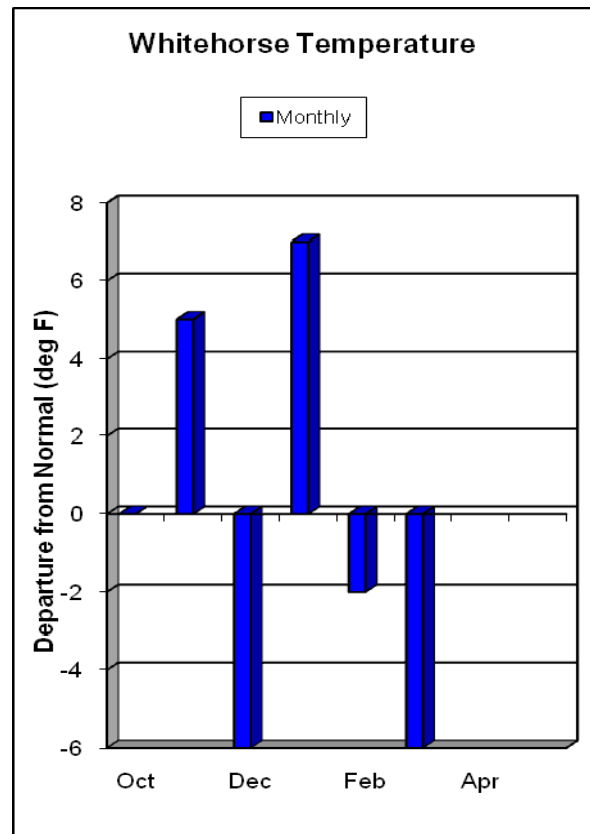
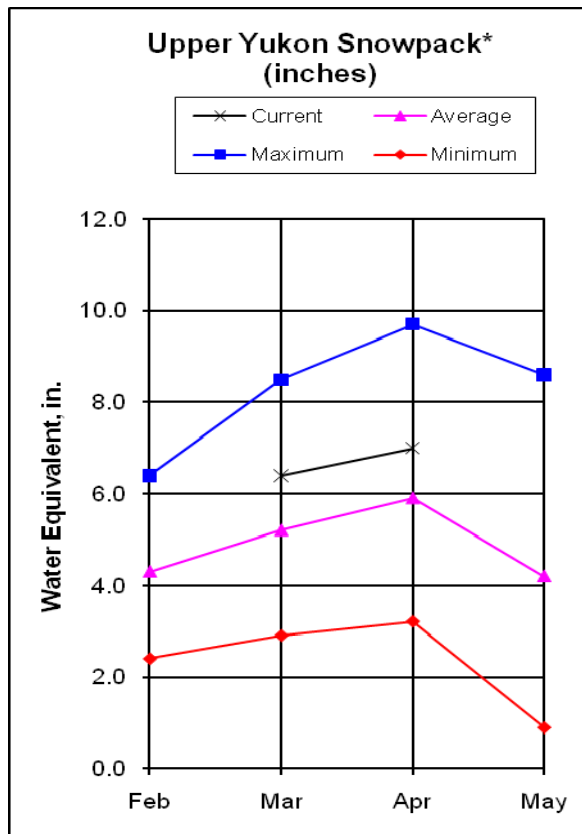
HOW FORECASTS ARE MADE

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 snow course water contents vary from 207 percent of average at Mount Nansen to 67 percent of average at the Jordan Lake snow course in the Yukon basin.

There are 3 snow courses with record high snow water contents; Mt. McIntyre B has 9.5 inches with the previous record of 8.9 being set in 2009, the record began in 1975, Mt. Berdoe has 7.6 inches of water content with the previous record of 6.6 inches set in 1986, the record began in 1975 and Mount Nansen has 6.2 inches of water content, the previous record of 4.9 inches set in 2008 with the record beginning in 1976.

The eight White River snow course water contents have an average of 151 percent with Mt. Berdoe at 181 percent and Mount Nansen at 207 percent of average.

The thirteen Stewart/Pelly snow course water contents are 100 percent of average and the nine snow courses in area above Whitehorse/Tetlin are 117 percent of average.

The three Dawson area snow courses are 108 percent of average up from 97 percent of average last month. The three snow course water contents vary with Grizzly Creek at 80 percent, King Solomon Dome at 117 percent and Midnight Dome at 133 percent of average.

The expected volume flow from snowmelt runoff for the Yukon River at Eagle for the April through July time frame is 36,900,000 acre-ft, 108 percent 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			28	6.3	35	7.9
Atlin	2395	No Survey			19	4.6	21	4.9
Beaver Creek	2150	3/29/11	26	4.6	18	3.2	17	3.3
Burns Lake	3650	3/30/11	39	9.1	30	6.4	37	8.4
Burwash Airstrip	2660	3/29/11	15	2.7	11	1.8	9	1.7
Calumet	4300	3/28/11	33	5.8	30	6.1	36	7.6
Casino Creek	3490	3/29/11	27	5.9	26	5.0	26	4.9
Chair Mountain	3500	3/30/11	26	4.7	20	3.4	19	3.7
Duke River	4300	No Survey			22	4.3*	23	4.1
Edwards Lake	2720	3/29/11	34	7.4	24	4.8	30	6.7
Finlayson Airstrip	3240	3/30/11	21	4.5	18	4.4*	23	4.8
Fuller Lake	3690	3/29/11	35	7.8*	32	7.8	34	7.9
Grizzly Creek	3200	3/30/11	23	5.5	31	6.8	32	6.9
Hoole River	3400	3/30/11	30	5.8	26	5.5	24	5.2
Jordan Lake	3050	3/30/11	19	3.5	26	5.5	24	5.2
King Solomon Dome	3540	3/31/11	31	7.0	28	5.6	29	6.0
Log Cabin (B.C.)	2900	3/30/11	46	14.4	56	16.8	49	14.6
Mayo Airport	1770	3/28/11	9	2.8	16	2.1	17	3.7
MacIntosh	3805	3/28/11	27	6.3	25	5.2	21	3.8
Meadow Creek	4050	3/31/11	45	11.3	48	12.6	42	10.4
Midnight Dome	2805	3/28/11	31	7.7	28	6.3	28	5.8
Montana Mountain	3350	3/30/11	32	8.0	26	5.7	25	5.5
Morley Lake	2700	3/30/11	24	5.3	19	4.5*	25	5.9
Mount Nansen	3350	3/28/11	25	6.2	22	4.2	17	3.0
Mt. Berdoe	3400	3/28/11	30	7.6	27	4.8	22	4.2
Mt. McIntyre B	3600	3/28/11	36	9.5	33	7.5	28	5.9
Pelly Farm	1550	3/27/11	18	3.2	12	2.1*	15	3.0
Plata Airstrip	2720	3/29/11	35	8.2	27	5.3*	33	7.5
Rackla Lake	3410	3/29/11	26	8.7	33	6.7	37	8.2
Rose Creek	3550	3/31/11	25	5.3	20	4.0	15	3.9
Russell Lake	3480	3/29/11	43	11.6*	32	6.4	37	8.9
Satasha Lake	3805	3/28/11	26	5.9	22	4.2	21	4.3
Tagish	3540	3/31/11	31	7.7	29	7.0	26	5.5
Twin Creeks	2950	3/29/11	32	6.8	25	4.9*	32	7.3
White River	2700	No Report					16	3.0
Whitehorse Airport	2300	3/30/11	19	5.1	16	3.2*	19	3.9
Williams Creek	3000	3/28/11	24	5.6	23	4.8	18	3.5
Withers Lake	3200	3/29/11	39	9.1	33	7.5	39	9.4
Estimate*								

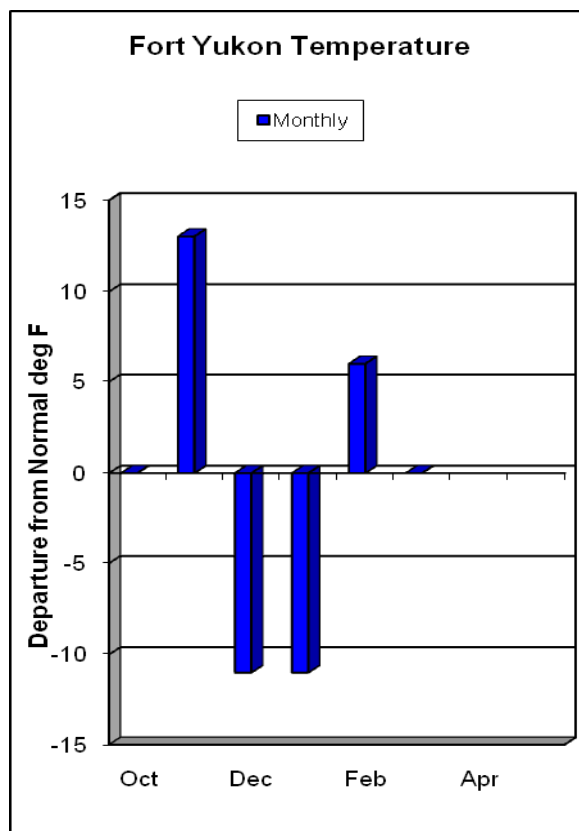
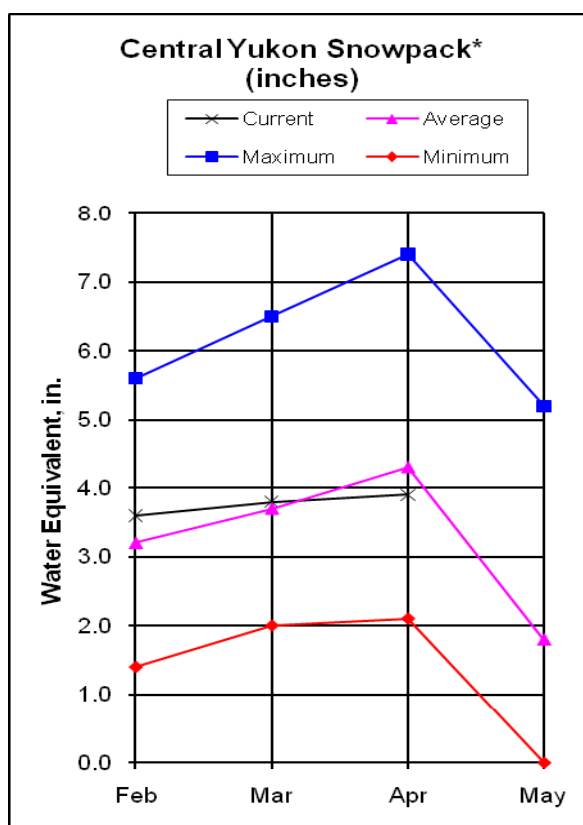
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Yukon River At Eagle	Apr-Jul	34200	36900	108	42000	31800

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Above Whitehorse/ Tetlin	9	103	117
Dawson	3	108	108
Stewart/ Pelly	13	124	100
White River	8	137	151

CENTRAL YUKON BASIN*



Current Basin Conditions

The large central basin received very little snow this past month. The basin varies from normal in the eastern part to both much above normal and below normal in the western part of the basin. The Fort Yukon SNOTEL site has 22 inches of snow depth.

The Coal Creek snow course in the Yukon Charlie National Park has 22 inches of snow depth with 4.3 inches of water content, same water content as last month.

The Forty Mile basin is 91 percent of average, exemplified by the Boundary snow course which is 94 percent of average.

In Canada, the Porcupine River basin is 100 percent of average with Old Crow snow course at 130 percent. Eagle Plains and Eagle River vary from 83 to 87 percent of average range respectively.

The Upper Nome Creek SNOTEL site has 30 inches of snow and an estimated 7.8 inches of water content, in the 120 percent of average range. The four White Mountains snow courses are 110 percent of average. The Circle Hot Springs snow course water content is the basin low with 2.2 inches, 69 percent of average.

The Snowmelt Runoff Index for the Birch Creek below South Fork is -2.3, much below average.

* 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	3/29/11	30	6.3			28	5.2
Boundary	3300	3/30/11	21	5.0	21	4.1	25	5.3
Cathedral Creek	1800	3/29/11	29	7.2	21	3.5	--	--
Chicken Airstrip	1650	3/30/11	14	2.2	10	2.1	16	3.2
Circle Hot Springs	860	3/30/11	16	2.8*	19	3.3	26	4.5
Coal Creek	1000	3/30/11	21	4.3	16	2.7	---	---
Copper Creek	2000	3/29/11	17	3.7	15	2.7	---	---
Crescent Creek	2600	3/29/11	12	2.6	20	3.4	---	---
Eagle Plains	2330	3/31/11	29	6.3*	32	5.9	32	7.0
Eagle River	1120	3/31/11	26	4.8	26	4.7	27	5.5
Fort Yukon	430	3/31/11	22	3.5*	16	2.8	20	3.8
Fossil	1400	3/29/11	30	5.8	---	---	---	---
Graphite Lake	600	No Report			---	---	---	--
Hess Creek	1000	3/30/11	27	5.3	21	4.0	26	5.4
Lost Chicken Hill	2100	3/30/11	17	3.1	12	2.2	---	---
Lower Beaver Creek	400	No Report			---	---	---	---
Mission Creek	900	No Report			14	2.5	18	4.1
Mt. Fairplay	3100	3/30/11	18	4.7	15	3.4	20	4.3
Old Crow	980	3/28/11	25	6.0	24	4.6	25	4.6
Riff's Ridge	2130	3/31/11	32	6.3	29	5.5*	29	5.7
Seven Mile	600	3/31/11	26	5.0	20	3.5	26	5.2
Stack Pup Creek	1620	3/30/11	22	3.0	20	2.9	25	4.4
Step Mountain	2850	3/29/11	27	6.0	14	2.6	---	---
Thirty Mile	1350	3/30/11	28	5.7	18	3.0	37	8.1
Three Fingers	3350	3/29/11	27	5.7	19	3.1	---	---
Upper Nome Creek	2650	3/31/11	30	7.8*	14	2.9*	---	---
Vunzik Lake	500	No Report			---	---	---	---
Windy Gap	1900	3/29/11	36	8.9*	18	4.2	31	5.7
Wolf	1200	3/29/11	30	6.3	13	2.4	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	5810	103	4200	3990
Yukon River near Stevens Village	Apr-Jul	48200	48200	100	54200	42200

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

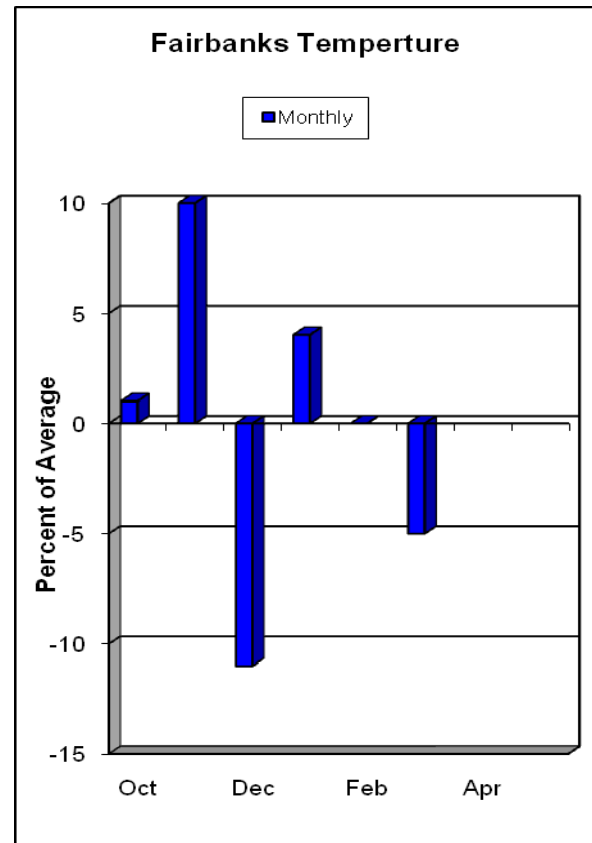
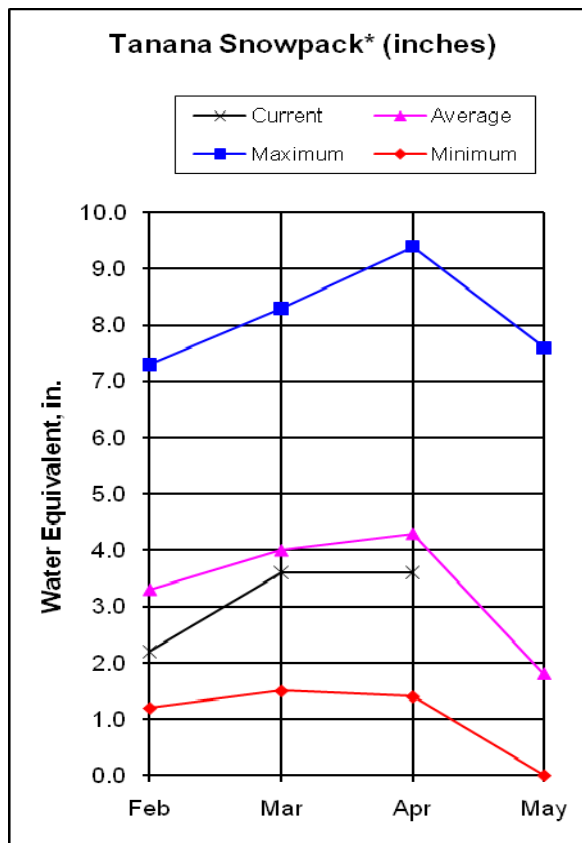
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Atigun Pass**	4800	3/31/11	6.1	4.8	8.1	75
Chandalar Shelf**	3300	4/01/11	4.9	2.5	5.3	92
Eagle Summit	3650	3/31/10	4.0	4.3	5.9	68
Fort Yukon	430	3/31/11	3.5	1.7	4.2	83
Upper Nome Creek	2650	3/31/11	8.2	2.8	6.8	121

**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Forty Mile	4	127	91
Porcupine (Y.T.)	4	109	100
White Mountains	6	178	110
Yukon Flats	3	147	88

TANANA BASIN*



Current Basin Conditions

The Tanana Basin snow courses vary from 144 percent of average at Paradise Hill southeast of Tok to 50 percent of average at Fielding Lake south of the Delta Junction. The Upper Tanana Valley near Tok and the Chatanika basins remain above average at 107 and 108 percent of average respectively. The six snow courses for the Tanana Valley near Delta Junction are 68 percent of average while the six snow courses in the Lower Tanana Valley are 84 percent.

The nine snow courses in the Chena basin are 93 percent of average with the Upper Chena Pillow SNOTEL site having 37 inches of snow depth with 8.9 inches of water content, 119 percent of average. The French Creek snow course has the least amount of snow water content percentagewise with 4.7 inches, 74 percent.

The Salcha River near Salchaket expected volume flow for the April through July time period is 560,000 acre-feet, 90 percent of average.

* 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	3/28/11	22	4.5	14	2.2	23	5.0
Caribou Creek	1250	3/29/11	25	6.0*	12	2.4	23	5.0
Caribou Mine	1150	3/31/11	26	5.1	14	2.4	27	5.6
Caribou Snow Pillow	900	3/29/11	25	5.4*	16	2.4	23	4.8
Chisana	3320	3/31/11	19	4.2	18	3.4	22	3.7
Cleary Summit	2230	3/30/11	32	6.3	20	4.4	31	6.7
Colorado Creek	700	3/31/11	23	4.7	11	2.3	23	4.7
Edgar Creek	2400	No Report			---	---	28	7.0
Fairbanks FO	450	4/01/11	21	3.8	10	1.8	23	4.5
Faith Creek	1900	3/30/11	28	5.4	15	2.4	28	4.9
Fielding Lake	3000	3/31/11	33	6.0	25	6.0	46	12.0
Fort Greely	1500	3/30/11	16	2.9	14	2.8	17	3.6
French Creek	1800	3/30/11	25	4.7	13	2.4	27	6.4
Gerstle River	1200	3/30/11	15	2.5	15	2.2	18	3.4
Gold King	1700	No Report			---	---	21	4.3
Granite Creek	1240	4/01/11	14	2.6	13	3.9	18	3.8
Jatahmund Lake	2180	3/31/11	19	4.4	16	2.9	18	3.2
Kantishna	1550	3/31/11	24	4.8*	15	2.2	30	5.7
Lake Minchumina	730	3/31/11	20	3.7*	13	1.7	21	4.4
Little Chena Bottom	1460	4/01/11	22	3.8	9	1.2	21	4.3
Little Chena Ridge	2000	4/01/11	21	4.2	8	1.8	28	5.9
Lost Creek	3030	4/04/11	15	2.7*	---	---	21	4.2
Mentasta Pass	2430	3/31/11	23	5.0	22	4.5	28	6.7
Monument Creek	1850	3/31/11	25	4.1	15	2.2	25	5.2
Mt. Ryan	2800	4/01/11	29	5.6	19	3.2	31	6.8
Munson Ridge	3100	3/31/11	37	8.1	25	5.2	38	9.1
Paradise Hill	2200	3/31/11	23	4.9	13	2.8	18	3.6
Ptarmigan Airstrip	2400	No Report			---	---	18	3.7
Ptarmigan Creek	2230	3/30/11	24	4.4	20	3.2	19	3.8
Rock Creek Bottom	2250	4/03/11	21	4.0	15	2.0	22	4.3
Rock Creek Ridge	2600	No Report			15	2.0	26	5.3
Shaw Creek Flats	980	3/30/11	15	2.7	14	2.2	16	3.4
Stampede	1800	No Survey			---	---	---	---
Teuchet Creek	1640	3/31/11	22	3.9*	16	3.0	23	4.4
Tok Junction	1650	3/31/11	21	3.4	19	3.1	19	3.6
Upper Chena	3000	3/31/11	34	7.4	20	3.9	33	7.8
Upper Chena Pillow	2850	4/01/11	37	8.6	19	3.2	32	7.5
Upper Wood River	2990	No Report			---	---	28	5.7

Estimate *

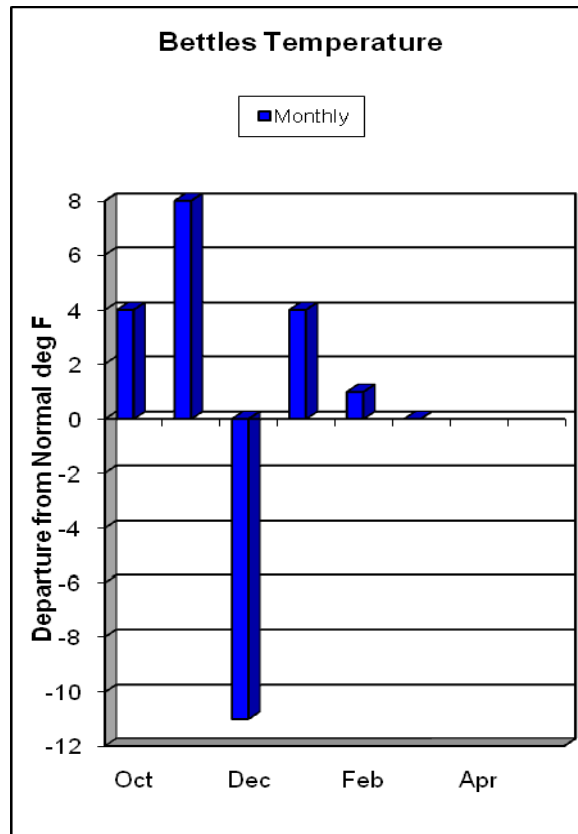
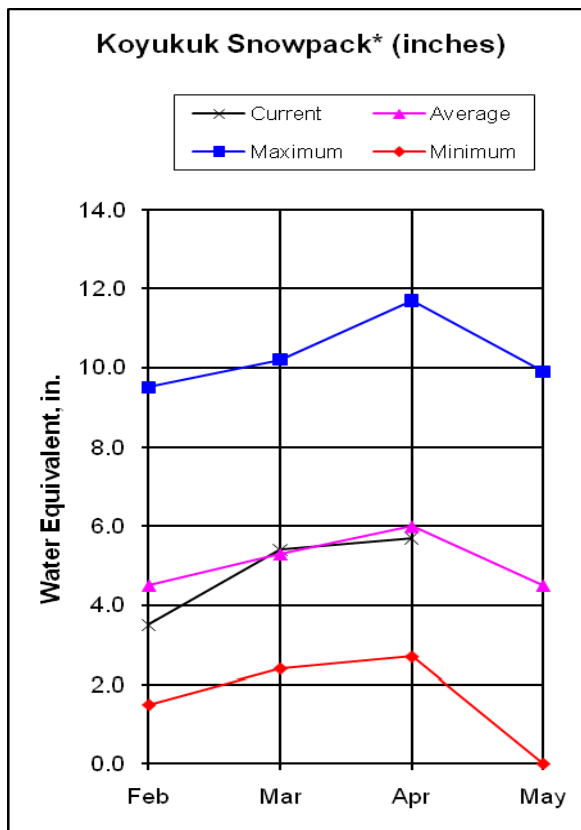
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Tanana River at Fairbanks	Apr-Jul	7100	7300	103	8260	6340
Little Chena R. near Fairbanks	Apr-Jul	78.0	77	99	105	49
Chena River near Two Rivers	Apr-Jul	270	270	100	385	155
Salcha River near Salchaket	Apr-Jul	625	560	90	785	375
Tanana River at Nenana	Apr-Jul	9000	8730	97	9920	7540

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Chatanika	4	199	108
Chena Basin	11	197	90
Lower Tanana Valley	7	209	84
Mid Tanana Valley (Delta Junction)	6	120	68
Upper Tanana Valley (Tok)	8	137	107

WESTERN INTERIOR BASINS*



Current Basin Conditions

Koyukuk

The basin varies from below average in the northeast along the Dalton Highway near Coldfoot to above average to the west and to the south. Coldfoot snow course is 61 percent of average while several snow courses in the Kanuti National Wildlife refuge are near the 120 percent of average figure. To the west, near Galena, the Treat Island snow course has 42 inches of snow with an estimated 8.2 inches of water content, last year there was 8 inches of snow depth with 1.5 inches of water.

Kuskokwim

The Lake Minchumina snow course is 84 percent of normal with 20 inches of snow and 3.7 inches of water content. The Telaquana Lake snow course measured by volunteers Jeanette and Jerry Mills, has 20 inches of snow depth with 4.1 inches of water content, 87 percent of average.

The expected volume flow for the Kuskokwim River at Crooked Creek for the April through June time frame is 9,980,000 acre-ft, 95 percent of average.

Lower Yukon

The snow courses in the Innoko Wildlife Refuge range from 189 percent at Wapoo Hills snow course to 94 percent of normal at Yankee Slough. Most are in the 110-120 percent of normal range. Near Tanana the Tozikaket snow course is 88 percent of average with 22 inches of snow and 4.4 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	3/31/11	30	6.8*	20	3.2	32	6.9
Bonanza Forks	1200	3/30/11	30	7.0*	14	1.8	27	5.6
Cloverleaf	170	3/31/11	32	6.5	19	3.6	---	---
Coldfoot	1040	3/31/11	26	5.5	15	3.2	31	6.9
Colville Bend	170	3/31/11	31	6.2	15	2.7	---	---
Disaster Creek	1550	3/31/11	21	4.1	15	2.3	23	4.4
Huggins Creek	290	3/31/11	30	6.2	15	2.3	---	---
JR Slough	160	3/31/11	34	6.8	---	---	---	---
Kaldoyeit	750	3/29/11	23	5.7	11	2.2	---	---
Kanuti-Chalatna	670	3/29/11	25	6.0			---	---
Kanuti-Kilolitna	550	3/29/11	22	5.5	8	1.5	--	---
Lake Todatonen	550	No Survey			16	2.2	28	5.5
Minnkokut	580	3/29/11	37	8.0	21	3.5	---	--
Nolitna	560	3/29/11	22	5.2	---	---	---	---
Table Mountain	2200	3/31/11	21	4.0*	13	1.6	24	4.9
Taiholman	540	3/29/11	12	4.0	3	0.5	---	---
Treat Island	190	3/31/11	42	8.0	8	1.5	---	---
Kuskokwim								
Aniak Farm	80	3/31/11	17	3.7	8	1.5*	---	---
Holitna River	257	3/31/11	21	5.1	31	5.5	---	---
Holokuk River	367	3/31/11	16	3.8	6	1.7	---	---
Johnny Slu	180	3/31/11	14	3.4	19	3.5	---	---
Kogrukluk River	193	3/31/11	29	6.3	42	7.2	---	---
Lake Minchumina	730	3/31/11	20	3.7*	13	1.7	21	4.4
Lower Aniak	164	3/31/11	20	4.2	---	---	---	---
McGrath	340	3/31/11	15	4.0*	19	3.5	30	6.5
Middle Kuskokwim	297	3/29/11	38	8.0	10	2.0	---	---
N. Fork Kuskokwim	512	3/29/11	33	7.0	---	---	---	---
Nixon Fork Kuskowim	508	3/29/11	29	6.4	---	---	---	---
Purkeypile Mine	2025	3/31/11	26	5.4	18	3.1	21	4.1
Telaquana Lake	1550	3/31/11	20	4.1	10	2.2	20	4.5
Upper Aniak	780	3/31/11	25	5.4	---	---	---	---
Upper Twin Lakes	2000	3/31/11	22	5.4	---	---	27	7.2
Lower Yukon								
Deer Creek	195	3/31/11	31	6.5	15	2.7	---	---
Grouch Creek	220	3/30/11	38	8.3	33	6.8	---	---
Holikachuk	100	3/30/11	36	8.8	39	7.8	---	---
Horsefly Creek	180	3/30/11	30	7.3	37	7.2	---	---
Innoko Inn	200	3/30/11	22	5.0	20	3.8	---	---
Little Mud River	855	3/31/11	20	4.2	15	2.6	---	---
Lower Nowitna River	205	3/31/11	24	5.0	17	3.1	---	---
Middle Innoko	150	3/30/11	39	9.0	34	7.0	---	---
Nine Mile Island	140	3/30/11	36	7.5	15	2.7	---	---
Pike Trap Lake	130	3/30/11	12	3.0	5	1.0	---	---
Squirrel Creek	150	3/30/11	27	5.5	19	3.4	---	---
Tozikaket	600	4/01/11	22	4.4	11	1.4	24	5.0
Upper Innoko	180	3/30/11	33	8.0	26	5.2	---	---
Wapoo Hills	220	3/30/11	43	10.2	38	7.5	---	---
Yankee Slough	100	3/30/11	33	8.1	41	8.2	---	---
Yetna River	120	3/30/11	28*	6.9*	34	7.0e	---	---

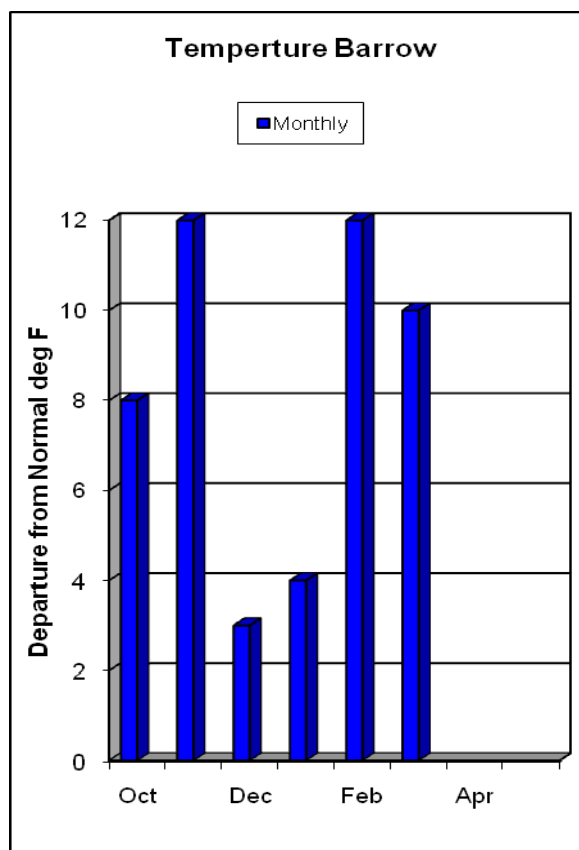
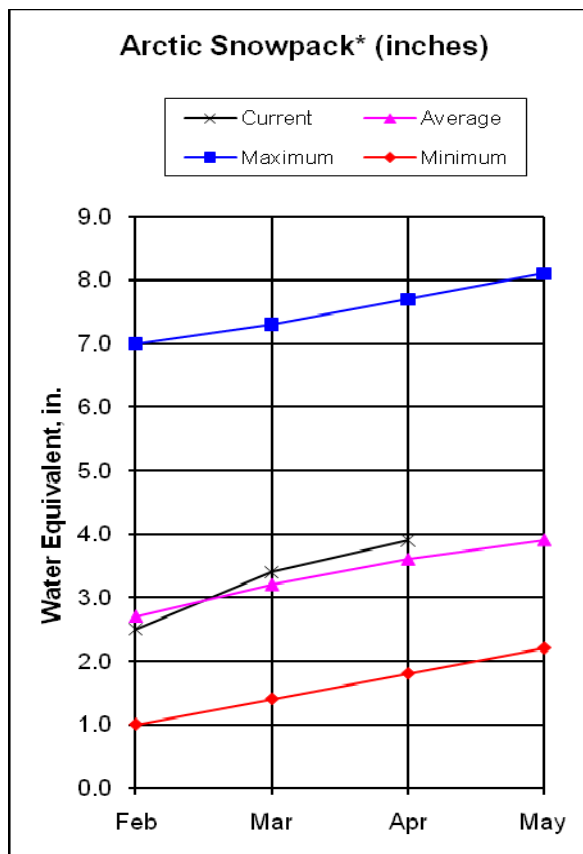
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kuskokwim River at Crooked Creek	Apr-Jun	10500	9980	95	12600	7400

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Koyukuk	9	251	103
Upper Kuskokwim	4	157	89
Lower Yukon	9	138	128

ARCTIC AND KOTZEBUE SOUND*



Current Basin Conditions

Arctic

The Imnaviat Creek SNOTEL site has recorded 4.9 inches of precipitation this water year which is 144 percent of average. The Atigun Pass SNOTEL site has received 5.3 inches of precipitation since October 1st or 76 percent of average. It has 17 inches of snow on the ground.

Kotzebue

The Kotzebue area has received very little snow this month, however the NWS observer reports 55 inches of snow on the ground. This would continue to be a record amount and must be in twice the average range.

The Red Dog mine precipitation gauge received 6.2 inches of precipitation since October 1st, 99 percent of normal.

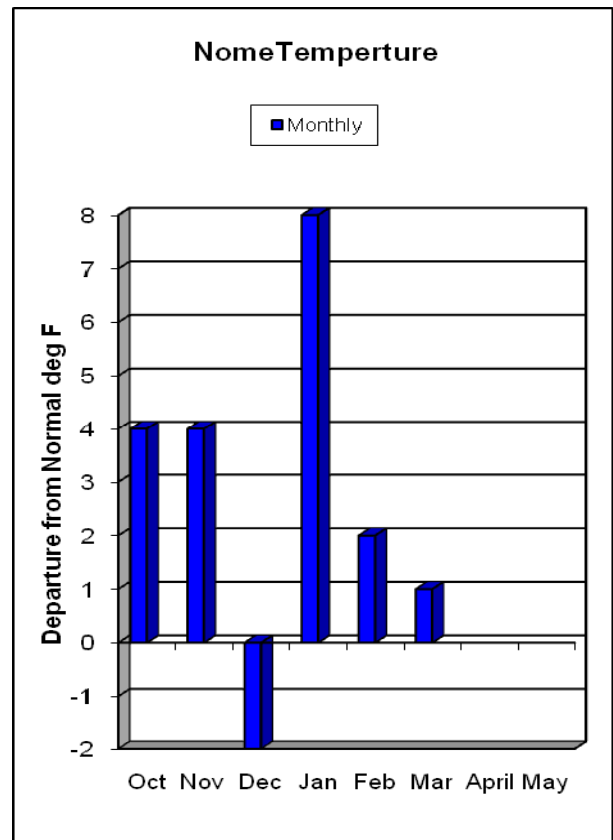
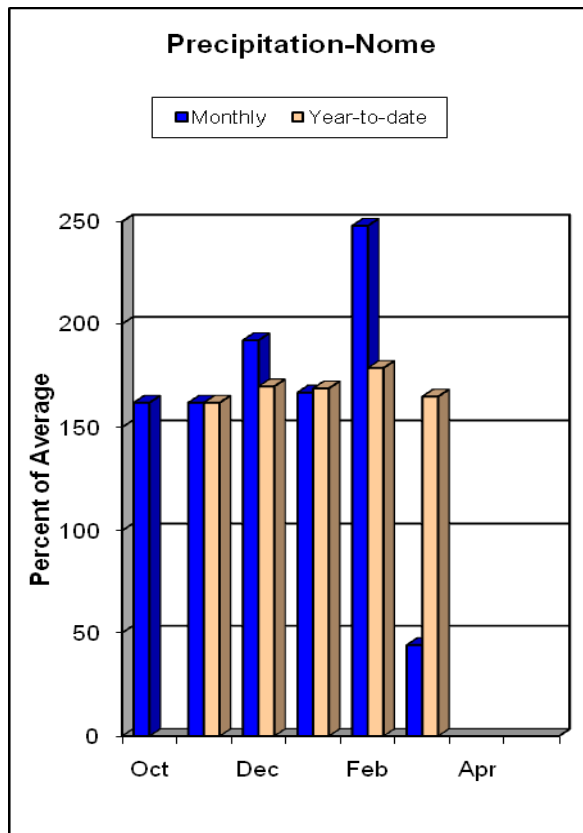
* For further information contact the Natural Resources Conservation Service in Anchorage.

Arctic and Kotzebue Sound

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)			
Kotzebue Sound								
Kelly Station	300	3/29/11	39	8.0	---	---	---	---
Red Dog	950	No Report			11	2.0	---	---

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*



Current Basin Conditions **Norton Sound**

The Rocky Point SNOTEL site has an estimated 22 inches of snow on the ground and with an estimated 5.0 inches of water content. The Johnson Camp SNOTEL site, in the "blow hole" at Solomon, 30 miles east of Nome, has 25 inches of snow on the ground as of April 1st, last year there was 6 inches of snow depth.

Southwest Delta

The Aniak SCAN site, which is located at the Aniak Farm, has 17 inches of snow depth with an estimated 4.0 inches of water content, last year there was 8 inches of snow depth.

Bristol Bay

The Port Alsworth snow course has 18 inches of snow depth with 4.2 inches of water content, 111 percent of normal. The Three Forks aerial marker measured 14 inches of snow, however there are windswept bare areas.

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

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*

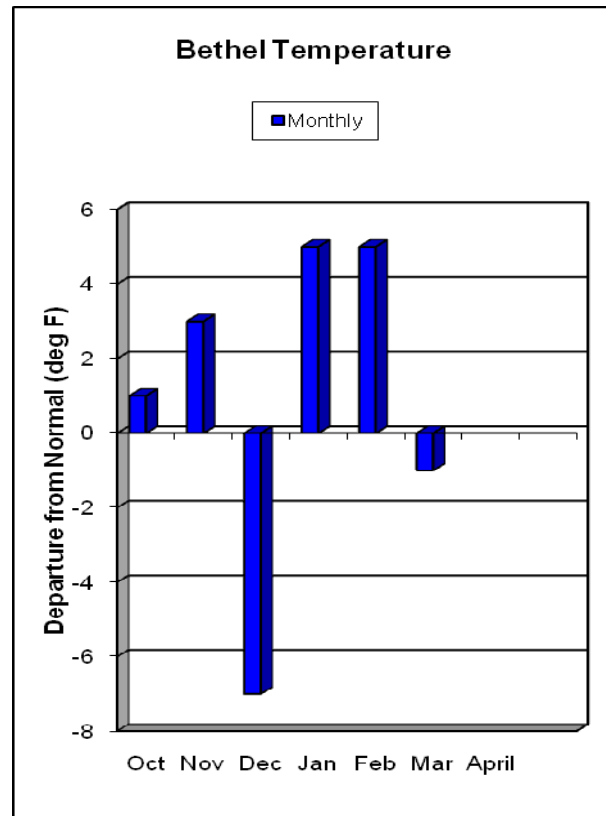
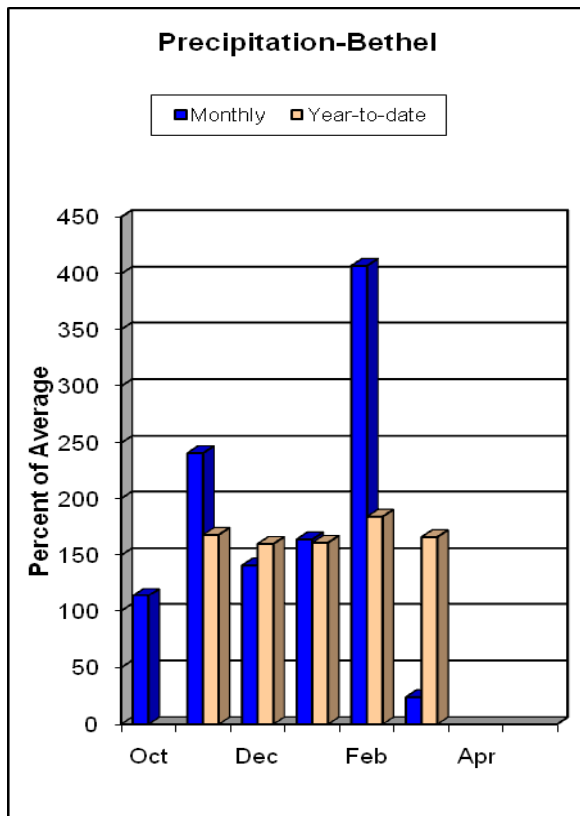
SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)					
Bristol Bay								
Brooks Camp	150	3/29/11	7	1.8	8	1.5	---	---
Fishtrap Lake	1800	3/31/11	34	8.4	---	---	40	10.5
Port Alsworth	270	4/01/11	18	4.2	---	---	12	4.1
Three Forks	900	3/29/11	14	3.5	6	1.5	---	---
Upper Twin Lakes	2000	3/31/11	22	5.4	---	---	27	7.2
Norton Sound								
Johnson's Camp	25	3/31/11	25	5.0*	5	1.2	---	---
Pargon Creek	100	3/31/11	20	4.0*	8	2.3	---	---
Rocky Point	500	3/31/11	22	4.4*	14	2.6	---	---
estimate*								

PRECIPITATION DATA

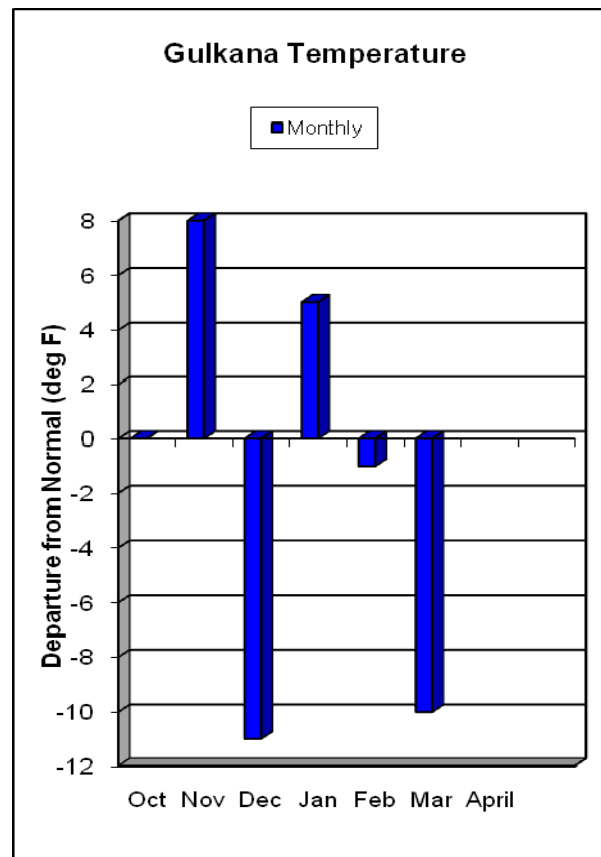
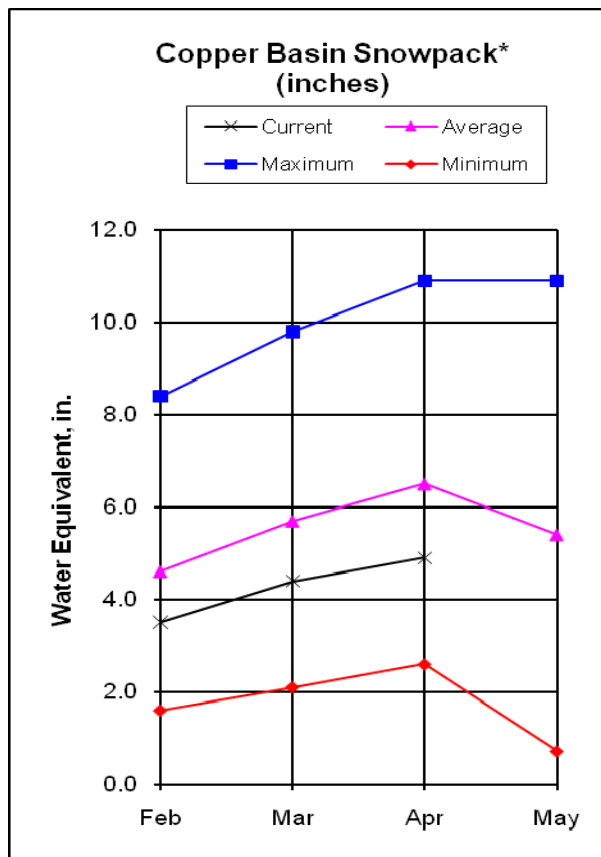
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Pargon Creek	100	3/31/11	5.8	2.6	4.7	123
Rocky Point	500	3/31/11	5.2	4.3	5.3	98



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

COPPER BASIN*



Current Basin Conditions

The snow water contents for the 4 of the 5 regions of the basin are below average. The Basin Floor average consisting of 6 snow courses is 95 percent, ranging from 127 percent of average at Tazlina to 86 percent of average at Haggard Creek. The Chugach Range is 75 percent of average, while the Alaska Range dropped 3 percent from last month and is 64 percent of normal with the snow course Fielding Lake at 50 percent of average. To the west, the Talkeetna Mountains are 80 percent of average water content. On the east side, which is the only part of the basin above average, the 5 snow courses in the Wrangell Mountains average 105 percent of normal water content. The Chokosna snow course is the greatest above average at 128 percent with 24 inches of snow depth and 5.0 inches of water content.

The Gulkana River at Sourdough expected volume flow for the April through July time period is 375,000 acre-feet, 79 percent of average.

* 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	3/31/11	20	3.6	17	3.1	22	4.1
Chokosna	1550	4/03/11	24	5.0	---	---	22	3.9
Dadina Lake	2160	4/02/11	30	6.5	25	5.3	27	5.9
Haggard Creek	2540	3/31/11	29	5.4	22	4.1	29	6.3
Horsepasture Pass	4300	4/02/11	24	5.3	24	5.8	29	6.4
Kenny Lake School	1300	4/01/11	22	4.8	16	3.2	17	3.7
Lake Louise	2400	3/31/11	23	4.2	17	3.3	23	4.6
Little Nelchina	2650	3/31/11	24	4.7	22	4.8	25	5.3
Long Glacier	4820	3/30/11	21	4.6	26	6.5	---	---
May Creek	1610	3/31/11	25	4.4	27	3.5	23	5.0
Mentasta Pass	2430	3/31/11	23	5.0	22	4.5	28	6.7
Monsoon Lake	3100	4/02/11	22	4.5	16	2.6	28	6.4
Mt. Eyak	1405	3/31/11	68	24.0	85	34.4	75	24.2
Notch	2645	3/30/11	16	3.5	---	---	---	---
Paxson	2650	3/31/11	27	5.5*	20	3.8	32	7.8
Sanford River	2280	4/02/11	29	6.5	24	5.6	28	6.2
St. Anne Lake	1990	4/02/11	23	4.2	22	4.5	25	5.5
Tazlina	1225	3/31/11	24	5.2	17	3.8	19	4.2
Tebay Lake	1930	3/30/11	54	12.4	30	8.4	---	---
Tolsona Creek	2000	3/31/11	24	4.1	19	3.3	22	4.1
Tsaina River	1650	3/30/11	46	11.7	64	17.9	57	17.6
Twin Lakes	2400	4/02/11	26	5.0	23	5.2	28	6.4
Upper Tsaina River	1750	3/30/11	60	13.3	76	22.2	70	21.7
Worthington Glacier estimate*	2100	3/30/11	70	21.0*	85	28.4	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	3/31/11	5.7	6.1	5.7	100
Strawberry Reef	50	3/31/11	44.3	40.6	46.7	95
Upper Tsaina River	1750	3/31/11	18.0	21.2	26.7	67

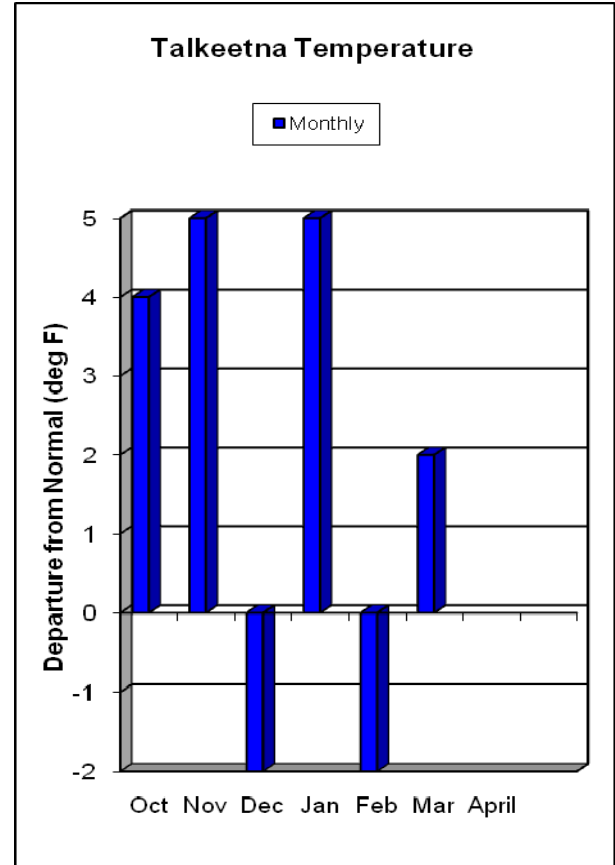
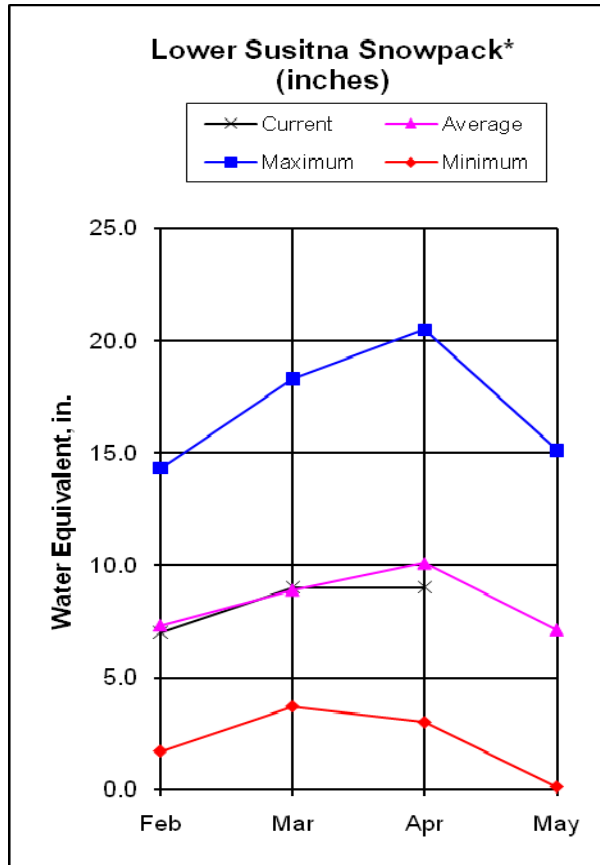
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Gulkana River at Sourdough	Apr-Jul	475	375	79	525	225

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Alaska Range	4	127	64
Basin Floor	6	121	95
Chugach Range	6	81	75
Talkeetna Mountains	3	88	80
Wrangell Mountains	5	101	105

MATANUSKA - SUSITNA BASINS*



Current Basin Conditions

The Susitna Basin snow courses range from average to well below average. The 7 snow courses in the Matanuska/Little Susitna area are well below average at 61 percent. Snow water contents range from 54 percent of average at the Independence Mine snow course to 89 percent of average at the Point MacKenzie snow course.

The Sheep Mountain snow course water content is 4.8 inches, 80 percent of average. For the Lower Susitna snow courses, the west side of the basin is average as indicated by Skwentna which measured 11.8 inches of snow water content, 100 percent of average. The east side of the basin along the Parks Highway is well below average with the SNOTEL site at Susitna Valley High reporting 6.2 inches of water content, only 61 percent of average. The Dutch Hills snow course has a new record low for April 1st with 45 inches of snow depth and an estimated 13.5 inches of water content, this is 49 percent of average. The previous low was March 26th, 1996 with 47 inches of snow and 14.1 inches of water content.

The Snowmelt Runoff Index (SRI) for the Chulitna River near Talkeetna is -3.0 and for the Deshka River at mouth near Willow is -2.4, both are much below average. The expected volume flow for the Little Susitna River near Palmer for the April through July time frame is 63,000 acre-ft, 73 percent of average.

* 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)					(inches)		
Alexander Lake	160	3/29/11	42	12.0	34	10.0	44	12.0
Archangel Road	2200	3/30/11	37	9.9	33	9.1	50.0	16.3
Bentalit Lodge	150	3/31/11	38	7.8	29	5.8	---	---
Blueberry Hill	1200	4/01/11	16	13.6	32	9.6	58	16.0
Chelatna Lake	1450	3/29/11	35	9.1	30	8.6	44	11.6
Clearwater Lake	2650	4/02/11	22	3.7	16	2.8	27	5.7
Curtis Lake	2850	4/02/11	22	4.2	13	2.1	---	---
Denali View	700	4/01/11	41	11.4	28	8.1	50	13.4
Dunkle Hills	2700	3/29/11	33	8.5	29	8.3	---	---
Dutch Hills	3100	3/29/11	45	13.5	45	14.0	80	27.5
E. Fork Chulitna	1800	4/01/11	42	10.7	30	8.4	54	14.0
Eldridge Glacier	3400	No Survey			---	---	---	---
Fishhook Basin	3300	3/30/11	46	12.1	36	10.3	64	20.5
Fog Lakes	2120	4/02/11	27	5.0	16	2.9	28	6.2
Halfway Slough	350	4/01/11	21	6.2	16	4.6	---	---
Independence Mine	3550	3/30/11	51	13.1	40	11.7	70	24.2
Independence Mine	3550	3/31/11	40	10.5	30	8.1	56	20.0
Lake Louise	2400	3/31/11	23	4.2	17	3.3	23	4.6
Little Susitna	1700	3/30/11	32	8.3*	29	8.2	43	13.3
Monahan Flat	2710	3/31/11	31	4.9*	22	3.7	35	8.1
Moose Creek Ranch	450	3/31/11	5	1.2	11	3.1	---	---
Nugget Bench	2010	3/29/11	31	9.0	39	10.4	55	15.5
Ramsdyke Creek	2220	3/29/11	45	13.0	44	13.0	69	22.0
Sheep Mountain	2900	3/31/11	23	4.8	25	6.3	26	6.0
Skwentna	160	3/29/11	44	11.8			42	11.6
Square Lake	2950	3/31/11	17	3.2	16	3.0	22	4.2
Susitna Valley High	375	3/31/11	26	6.2	24	6.2	39	10.2
Talkeetna	350	4/01/11	24	6.3	18	5.7	34	8.7
Tokositna Valley	850	3/31/11	50	12.0	39	11.0	62	18.7
Tyone River	2500	3/31/11	19*	3.3*	---	---	24	5.2
Upper Oshetna	3150	4/02/11	17	4.1	19	4.0	---	---
Upper Sanona	3100	4/02/11	27	5.5	25	5.2	---	---
Ward Lake	2700	No Survey			---	---	25	5.3
Willow Airstrip	200	4/01/11	25	6.0*	17	5.0	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	63	73	84	42
Talkeetna River near Talkeetna	Apr-Jul	1630	1380	85	1640	1120

PRECIPITATION DATA

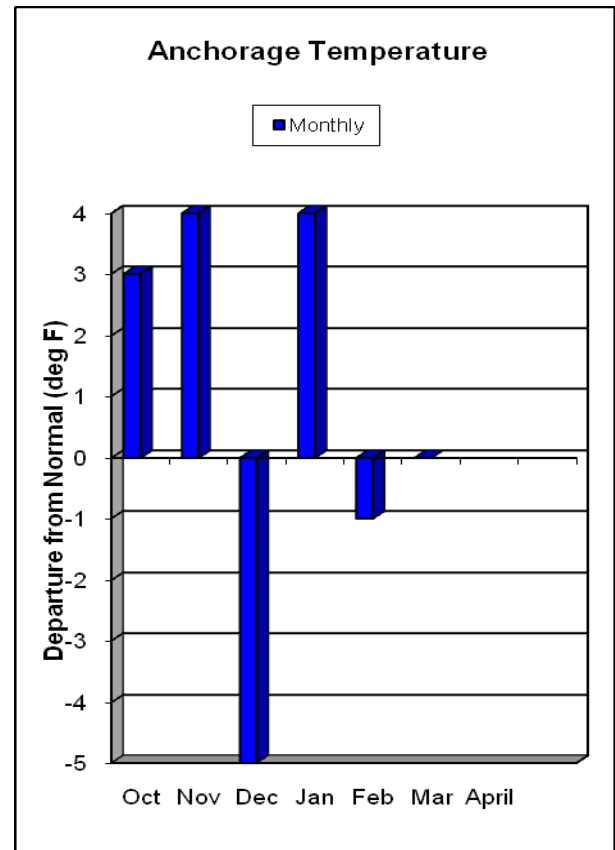
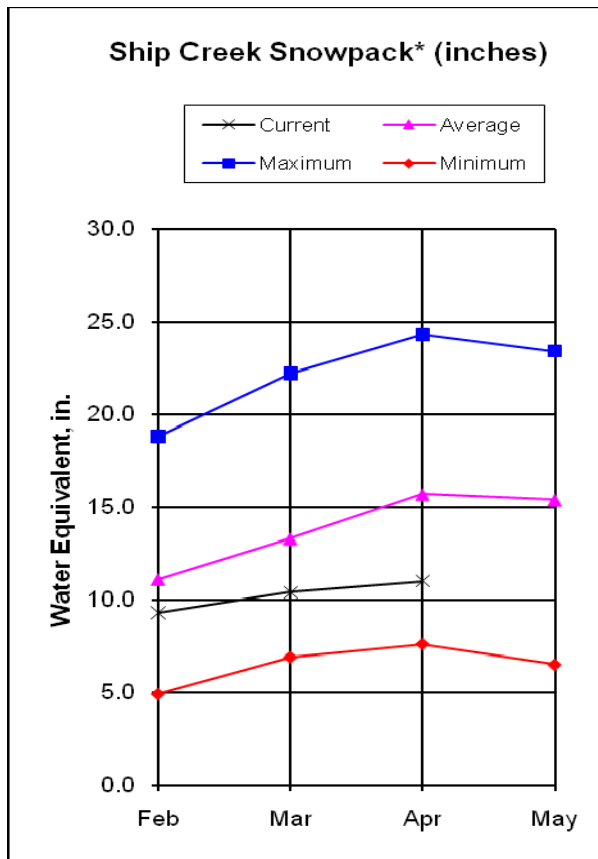
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (ft.)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Independence Mine	3550	3/31/11	12.5	10.3	25.9	48
Monahan Flat	2710	3/31/11	5.6	4.0	8.3	68
Susitna Valley High	375	3/31/11	9.8	9.0	11.7	84
Tokositna Valley	850	3/31/11	15.9	13.2	20.1	79

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lower Susitna	6	111	83
Matanuska/Little Susitna	6	101	61
Peters Hills	6	107	62
Upper Susitna	10	122	83

NORTHERN COOK INLET*



Current Basin Conditions

The Northern Cook Inlet region varies from 100 percent of average at Arctic Valley #1, to 65 percent of average at Anchorage hillside.

For the SNOTEL sites in the Anchorage area; Indian Pass is 70 percent of average with 51 inches of snow and 16.5 inches of water content, Anchorage Hillside is 65 percent of average reporting 26 inches of snow with 6.5 inches of water content, Mt. Alyeska has 70 inches of snow and 20.3 inches of water content, which is 55percent of average and Moraine has 23 inches of snow depth with 5.4 inches of water content, 68 percent.

For the west side of Cook Inlet, the aerial markers Chuitna Plateau and Lone Ridge are 45 inches and an estimated 61 inches respectively. The Granite Point snow course has 14 inches of snow depth with an estimated 4.2 inches of water content, 75 percent of average.

The Arctic Valley snow courses varied from 100 percent of average at Arctic Valley #1 (500 ft. elev.) to 68 percent of average at the Arctic Ski Bowl (3000 ft. elev.)

The Snowmelt Runoff Index for the Campbell Creek near Spenard is -2.2, much below average. The expected volume flow for the Ship Creek near Anchorage for the April through July time frame is 45,000 acre-ft, 78 percent of average.

* 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	3/31/11	26	6.5	38	10.4	38	10.4
Arctic Ski Bowl	3000	3/31/11	31	9.5	29	8.2	43	14.0
Arctic Valley #1	500	3/31/11	15	3.6*	18	4.7	14	3.6
Arctic Valley #2	1000	3/31/11	15	3.4*	23	5.0	20	5.1
Arctic Valley #3	1450	3/31/11	24	5.8*	27	7.6	28	7.3
Arctic Valley #4	2030	3/31/11	22	5.6*	25	6.8	29	7.7
Chuitna Plateau	1540	3/29/11	45	18.0	49	16.5	86	26.9
Congahbuna Lake	500	3/29/11	36	10.5	24	7.5	38	10.8
Granite Point	250	3/29/11	14	4.2	10	3.0	15	5.6
Indian Pass	2350	3/31/11	55	16.5	58	19.6	71	23.7
Kincaid Park	250	3/30/11	17	4.0	16	4.7	16	4.2
Lone Ridge	1675	3/29/11	61*	27.0*	79	27.6	86	33.1
Moraine	2100	3/31/11	23	5.4	40	11.0	29	8.0
Mt. Alyeska	1540	3/31/11	70	20.3	111	35.5	107	36.9
Point Mackenzie	200	3/31/11	16	3.7	13	3.9	18	4.4
Portage Valley	50	3/31/11	22	10.0	58	21.6	39	15.0
South Campbell Creek	1200	3/29/11	22	5.4	29	7.5	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	45	78	57	33

PRECIPITATION DATA

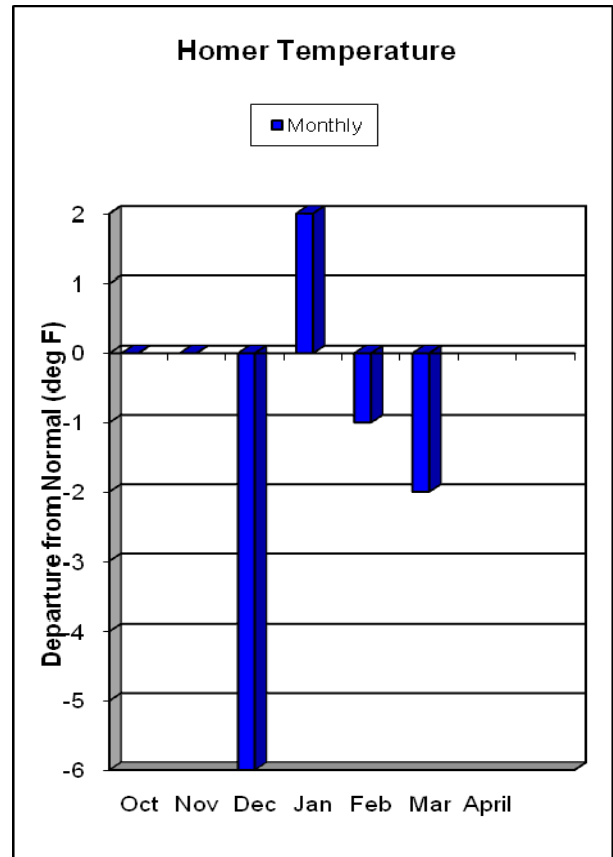
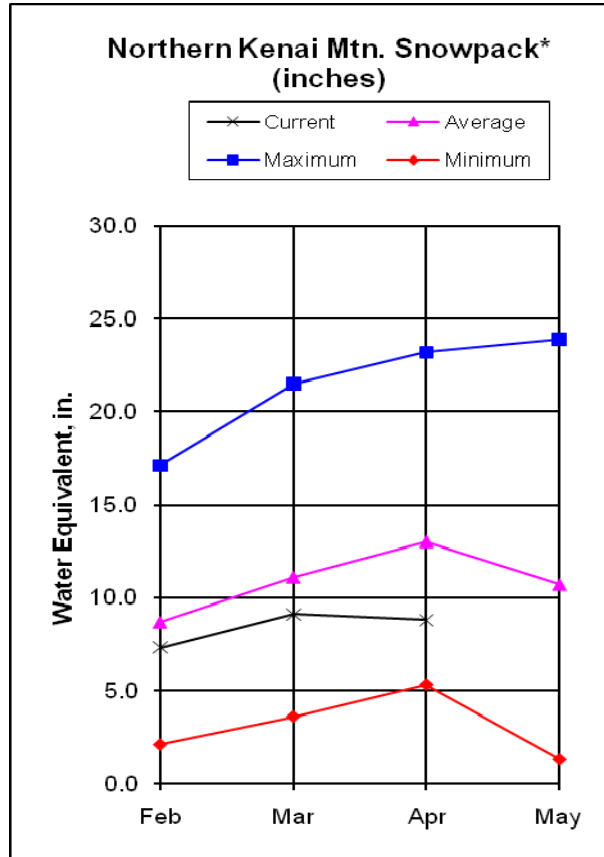
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchorage Hillside	2080	3/31/11	10.8	14.7	13.1	82
Indian Pass	2350	3/31/11	20.8	23.0	23.9	87
Moraine	2100	3/31/11	9.1	13.5	9.7	94
Mt. Alyeska	1540	3/31/11	39.8	48.3	43.6	91
Point Mackenzie	200	3/31/11	6.0	6.9	8.1	87

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Beluga	4	109	80
Campbell Creek	3	70	75
Ship Creek	8	77	71
Turnagain Arm	3	49	60

KENAI PENINSULA*



Current Basin Conditions

The Kenai Peninsula has 2 snow courses with above average water contents: Kenai Moose Pens with 4.8 inches or 117 percent of normal and Jean Lake with 4.6 inches of water content and 115 percent of average.

The rest of the 12 snow courses on the northern part of the peninsula are below average varying from 55 percent at Moose Pass to 98 percent of average at Pass Creek, at mile 8 of the Resurrection trail.

Northeast of Homer, the Anchor River Divide SNOTEL site reported 34 inches of snow depth with 8.6 inches of water content and is 68% of average.

Across Kachemak Bay from Homer, Port Graham SNOTEL site has 11 inches of snow with an estimated 4.7 inches of snow water content, and is 78% of average.

The Nuka Glacier SNOTEL site has 51 inches of snow depth with 17.1 inches of water content, which is 43% of average. The site has recorded 39.9 inches of accumulated precipitation since October 1st, which is only 73% of average.

The Snowmelt Runoff Indexes for the Deep Creek and the Ninilchik River near Ninilchik are - 2.3, much below average.

The expected volume flow for the Kenai River at Cooper Landing for the April through July time frame is 830,000 acre-ft, 90 percent of average.

* 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 (inches)	Water Content	Snow Depth	Water Content
Anchor River Divide	1600	3/31/11	34	8.6	48	14.0	43	12.6
Bertha Creek	950	4/02/11	42	11.9*	72	22.9	57	17.6
Bridge Creek	1300	3/30/11	27	7.4	44	13.3	44	12.9
Cooper Lake	1200	3/31/11	43	11.1	54	17.8	50	15.6
Demonstration Forest	780	3/30/11	16	5.7*	35	10.2	32	9.5
Eagle Lake	1400	3/30/11	29	8.4*	46	13.0	42	12.7
Grandview	1100	3/31/11	74	22.2	132	41.6	83	28.0
Grouse Creek Divide	700	3/31/11	37	11.7	62	20.8	58	19.5
Jean Lake	620	3/28/11	18	4.6	17	4.0	15	4.0
Kachemak Creek	1660	3/31/11	26	10.4	75	25.6	---	---
Kenai Moose Pens	300	3/31/11	19	4.8	16	3.8	15	4.1
Kenai Summit	1390	4/02/11	37	10.5	57	18.5	46	14.3
McNeil Canyon	1320	3/31/11	23	7.8	45	15.4*	38	10.7
Moose Pass	700	4/02/11	10	3.9	28	9.1	21	7.1
Nuka Glacier	1250	3/31/11	51	17.1	109	40.7	95	39.5
Pass Creek	1200	3/26/11	35	8.4	35	9.4	32	8.6
Port Graham	300	4/02/10	11	4.7*	37	13.2	20	5.9
Resurrection Pass	2250	3/25/11	36	8.6	38	10.8	38	10.9
Snug Harbor Road	500	3/28/11	16	4.7	21	7.1	18	5.1
Summit Creek	1400	3/31/11	33	9.2	46	13.5	44	12.1
Turnagain Pass estimate*	1880	3/31/11	80	26.6	149	44.6	106	36.0

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	830	90	955	705

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

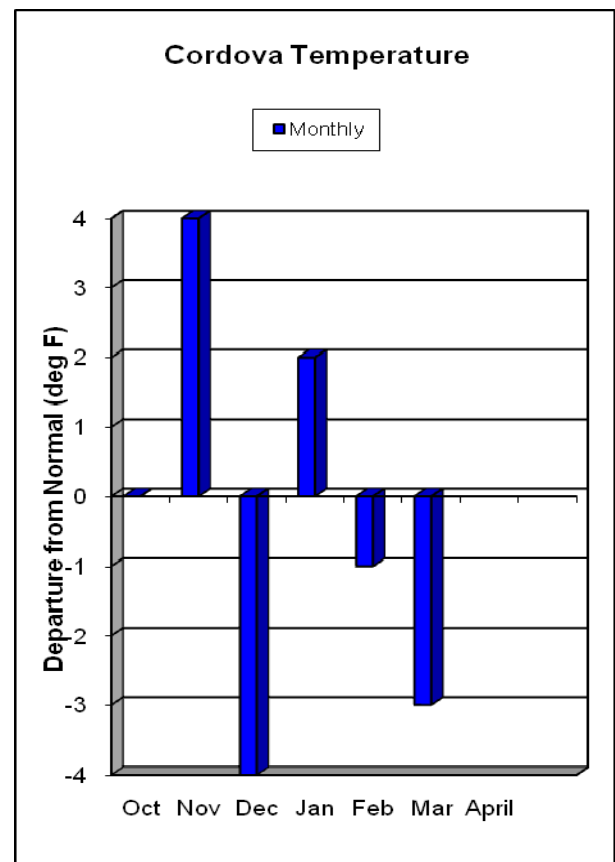
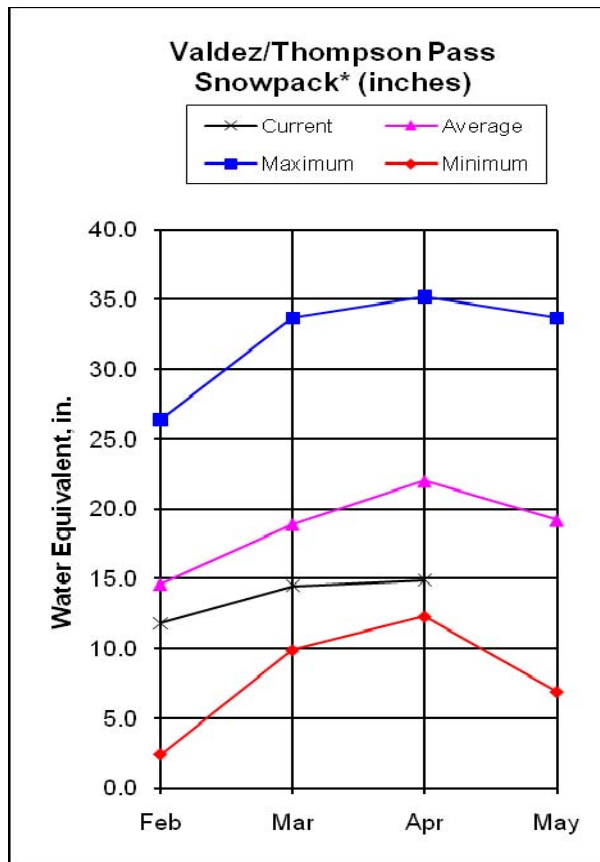
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchor River Divide	1600	3/31/11	15.6	16.6	18.5	84
Cooper Lake	1200	3/31/11	21.9	27.3	23.3	94
Grandview	1100	3/31/11	40.3	48.5	36.8	110
Grouse Creek Divide	700	3/31/11	29.9	44.2	35.3	85
Kachemak Creek	1660	3/31/11	32.2	43.7	39.4	82
Kenai Moose Pens	300	3/31/11	7.0	7.7	8.2	85
McNeil Canyon	1320	3/31/11	13.9	14.9	15.7	88
Middle Fork Bradley**	2300	3/31/11	24.6	31.2	34.6	71
Nuka Glacier**	1250	3/31/11	39.9	44.9	54.7	73
Port Graham	300	3/31/11	34.8	49.3	40.1	87
Summit Creek	1400	3/31/11	14.3	18.0	16.2	88
Turnagain Pass	1880	3/31/11	38.1	47.0	39.8	96

**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	43	48
Ninilchik Dome	5	57	65
Northern Kenai Mountains	13	58	73
Northern Kenai Flats	1	126	117

WESTERN GULF*



Current Basin Conditions

The SNOTEL site at Mt. Eyak is near average, reporting 68 inches of snow depth and 24.0 inches of snow water content, 99 percent of average.

Sugarloaf Mountain SNOTEL site, perched above the Solomon Gulch Hydroelectric and the town of Valdez at 550 ft of elevation, reported 56 inches of snow depth and an estimated 17.5 inches of water content, 62% of average. The precipitation gauge has caught 34.9 inches since October 1st, which is 86% of average.

The Esther Island precipitation gauge has caught 77.6 inches of precipitation since October 1st 95% of average with 2.6 inches being caught in March.

The Strawberry Reef SNOTEL site, located east of Cordova, is 95% of average and has caught 44.3 inches of water since October 1st.

* 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	4/01/11	40	11.4	56	20.2	57	15.9
Grouse Creek Divide	700	3/31/11	37	11.7	65	20.8	58	19.5
Lowe River	600	3/30/11	41	10.9	58	18.0	54	17.1
Mt. Eyak	1405	3/31/11	68	24.0	85	34.4	75	24.2
Nuka Glacier	1250	3/31/11	51	17.1	109	40.7	95	39.5
Sugarloaf Mountain	550	3/29/11	56	17.5*	84	27.5*	87	28.0
Tsaina River	1650	3/30/11	46	11.7	64	17.9	57	17.6
Upper Tsaina River	1750	3/30/11	61	15.8	75	22.2	70	21.7
Valdez	50	3/30/11	33	10.6*	53	16.4	54	17.8
Worthington Glacier estimate*	2100	3/30/11	70	21.0*	85	28.4	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	3/31/11	77.6	79.6	81.7	95
Grouse Creek Divide	700	3/31/11	29.9	44.2	35.5	84
Mt. Eyak	1405	3/31/11	67.5	60.8	67.5	100
Nuka Glacier**	1250	3/31/11	39.9	44.9	54.7	73
Port San Juan	50	3/31/11	69.8	86.4	75.5	81
Seal Island	30	No Report		---	40.4	---
Strawberry Reef	50	3/31/11	44.3	40.6	46.7	95
Sugarloaf Mountain	550	3/31/10	34.9	37.0	40.5	86
Tatitlek	50	3/31/11	40.8	39.1	38.4	106
Upper Tsaina River	1750	3/31/10	18.0	21.2	26.8	67

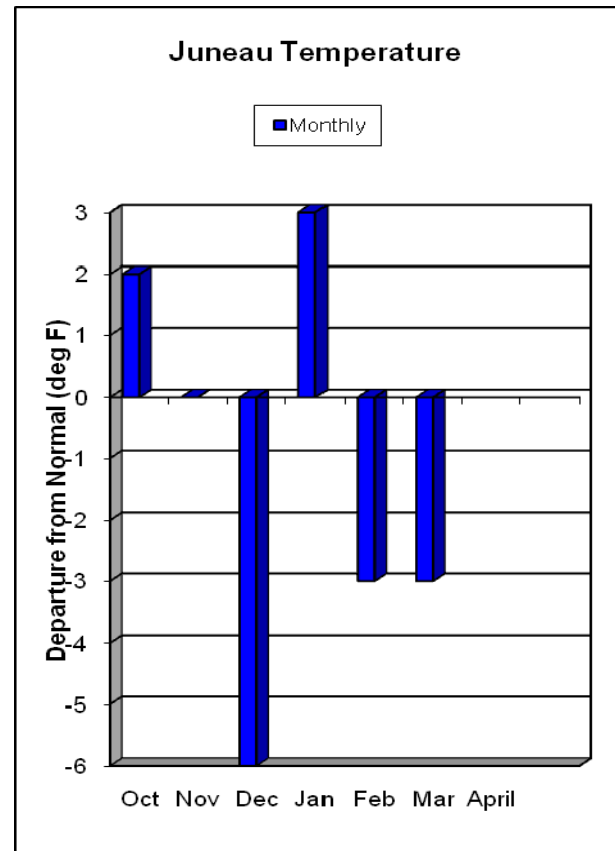
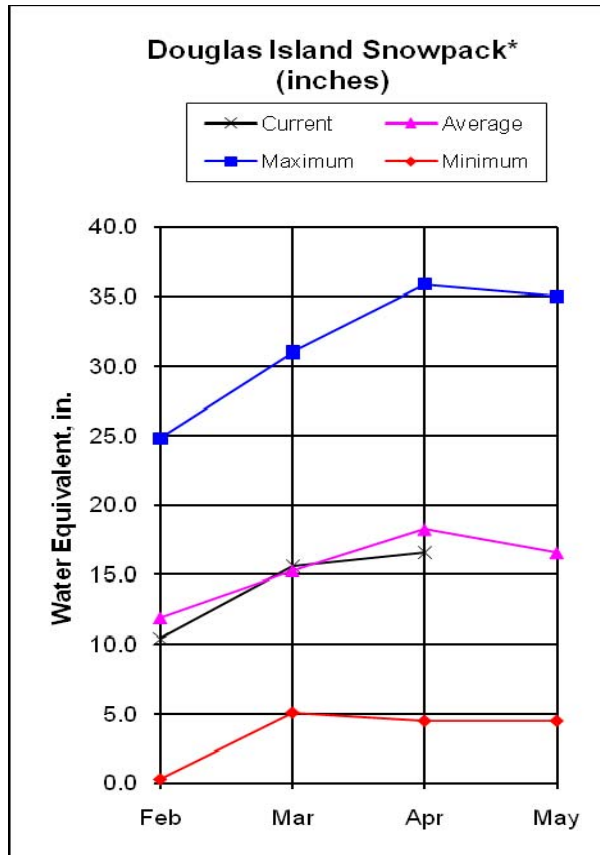
**Wyoming shielded gauge

*Copper Valley Electric Association

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lowe River (Valdez)	4	66	68
Eyak Lake	1	70	99

SOUTHEAST*



Snowcover:

Southeast Alaska is having a near average snow pack year with the exception of the Snettisham/Long Lake Hydro project south of Juneau and the area north of Skagway. The Long Lake SNOTEL site is reporting 86 inches of snow and 27.2 inches of water content with the average being 110 inches with 44.1 inches of water content. The Moore Creek Bridge snow course north of Skagway has 48 inches of snow depth with 13.7 inches of water content, 69 percent of average. The two Petersburg snow course water contents remain about the same with 104 percent of average water content, up 1 percent from last month. The three Douglas Island snow courses have 91 percent of average water content, down 11 percent from last month.

The expected volume flow for the Gold Creek near Juneau for the April through July time frame is 32,000 acre-ft, 97 percent of average.

* 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	3/29/11	74	28.9	87	30.9	81	30.3
Eagle Crest	1200	3/29/11	54	18.6	49	19.4	54	18.5
Fish Creek	500	3/29/11	6	2.4*	0	0.0	19	6.2
Institute Creek	1350	No Report			28	10.9	---	---
Lake Grace Pass	1900	No Report			102	45.7	118	45.5
Long Lake	850	4/03/11	86	27.2	99	39.8	110	44.1
Lost Lake	425	No Report			2	0.5	39	15.0
Mint Creek Ridge	1900	No Report			120	44.5	117	43.6
Moore Creek Bridge	2250	4/02/11	48	13.7	71	22.6	73	20.0
Petersburg Reservoir	550	4/01/11	27	9.8	0	0.0	15	6.2
Petersburg Ridge	1650	4/01/11	66	24.0	71	28.5	71	26.4
Rainbow Falls	500	No Report			0	0.0	---	---
Speel River	280	4/01/11	53	23.3	64	23.2	78	31.1
Upper Swan Lake	1700	No Report			54	21.5	60	23.1
West Creek	470	3/29/11	12	3.9	---	---	---	---
Upper Silvas	2300	No Report			---	---	---	---

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	32	97	40	24

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Long Lake	850	4/03/11	94.4	84.5	96.4	98
Moore Creek Bridge	2250	No Report		30.8	26.8	---
Snettisham	25	3/31/11	98.5	85.6	106.8	92
Swan Lake	50	No Report		---	88.2	---

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Douglas Island	3	99	91
Petersburg	2	119	104
Skagway	1	45	69
Snettisham	2	100	75
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**

NRCS Anchorage Support Staff

510 L Street, Suite 270

Anchorage, Alaska 99501-1949

Telephone (907) 271-2424, Extension 113;

Facsimile (907) 271-3951; or e-mail: Richard.McClure@ak.usda.gov

Delta Junction Field Office

Catherine Hadley, District Conservationist

Telephone (907) 895-4241 x 103

Facsimile: (907) 895-5003

e-mail: Catherine.Hadley@ak.usda.gov

Fairbanks Field Office

Joanne Kuykendall, District Conservationist

Telephone (907) 479-3159 x 110

Facsimile: (907) 479-6998

e-mail: Joanne.Kuykendall@ak.usda.gov

Glennallen Field Office

Catherine Hadley, District Conservationist

Telephone: (907) 822-5111

Facsimile: (907) 822-4489

e-mail: Catherine.Hadley@ak.usda.gov

Homer Field Office

Mark Kinney, District Conservationist

Telephone (907) 235-8177 x 103

Facsimile: (907) 235-2364

e-mail: Mark.Kinney@ak.usda.gov

Mat-Su Field Office

District Conservationist, Keith Griswold

Telephone (907) 373-6492 x 101

Facsimile: (907) 373-7192

e-mail: Keith.Griswold@ak.usda.gov