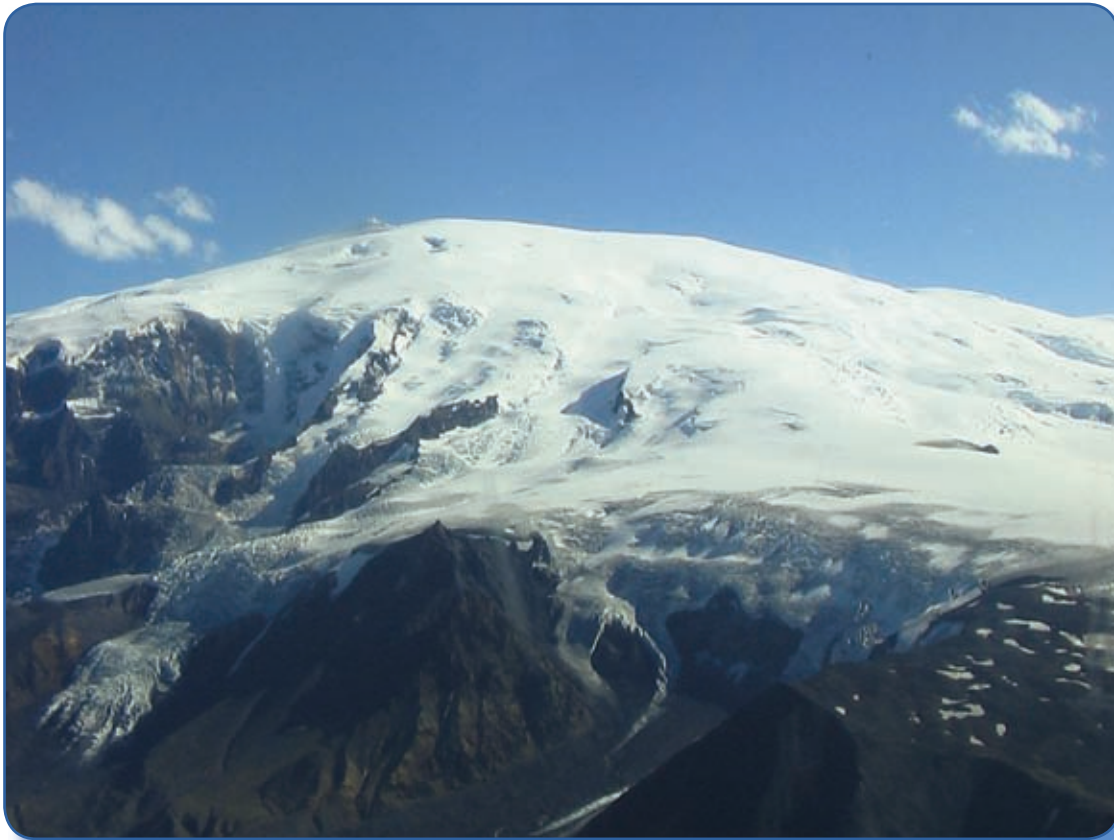


United States Department of Agriculture



ALASKA SNOW SURVEY REPORT



April 1, 2010

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NOAA, Alaska Pacific RFC

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GENERAL OVERVIEW

Snowpack

The snowpack across the state is similar to last month with the regions north of the Alaska Range just below average near the Canadian border to minimum of records along the Dalton Highway south of the Brooks Range in the upper Koyukuk basin.

The large Central Yukon and Tanana basins vary from near normal in the eastern part to much below normal in the western part of the basin. The Chena basin is 47 percent of average. One snow course, Little Chena Bottom has a record low of 9 inches of depth with 1.2 inches of water content. The previous low was 1.6 inches in 1981.

Four snow courses in the upper Koyukuk basin have record low snow water contents. Starting in the north is Table Mountain with 1.6 inches of snow water content, previous record low was 2.3 inches set in 2007. To the south and west of Bettles, Lake Todatonten has 2.2 inches of snow water content, the previous low was 3.1 in 2007. On the Dalton Highway, the Bonanza Forks and Thirty Mile snow courses have had wild fires disturbing or removing the vegetation at the snow courses in 2004 and 2005 respectively. Both of the water contents are lower than the previous record low set for both courses in 2007.

South of the Alaska Range, the Northern Kenai Mountains had a significant increase in snowpack and water content, the 13 snow courses are 121 percent of average, up from 98 percent last month. They range from 99 percent of normal at Resurrection Pass to 149 percent of normal at Grandview. Grandview SNOTEL site has 132 inches (11 feet) of snow depth with 41.6 inches of water content.

Southeast Alaska received significant snow above 800 feet of elevation in March. The Long Lake SNOTEL site, 60 miles southeast of Juneau in the Snettisham Hydro-electric project watershed, is reporting 99 inches of snow and 39.8 inches of water content which is 90 percent of average, up from 78 percent last month.

Precipitation

The regions north and west of the Alaska Range generally received less than average precipitation for the month of March. Indicative, Chandalar Camp, which located just south of Atigun Pass, received 0.6 inches of precipitation in March, 0.7 inches is normal. The site's precipitation gauge has received 3.1 inches since October 1st, 58 percent of normal. However, the Granite Creek SNOTEL site, southeast of Delta Junction, received 0.3 inches which is right at normal for the month. It has received 3.6 inches of precipitation since October 1st, 116 percent of normal.

In South Central, the Moraine SNOTEL site received an above normal amount for the month, it received 2.7 inches of precipitation with average being 1.2 inches. The total for the year since October 1st is 12.0, 124 percent of normal. The Independence Mine SNOTEL site 30 miles to the north across the Matanuska Valley received .9 inches for the month and 11.0 inches of precipitation since October 1st, 61 percent of average. The Grandview SNOTEL sites received 13.0 inches for the month, normal is 5.4 inches. Southeast Alaska received more than normal precipitation as indicated at the Snettisham Hydro-electric power plant receiving 18.0 inches, normal is 11.6 inches.

Temperature

The temperatures were below normal on the west, southwest coast and south to Homer. Nome was 7 deg F below normal, Bethel was 10 deg F below, Dillingham was 5 deg F below and Homer was 2 deg F below normal. Anchorage was right at normal for the month with a low of negative 3 deg F the 10th of the month and a high of 43 deg F each day for the last 3 days of the month. Fairbanks was 1 deg F above normal for the month with a low of negative 25 deg F on the 13th and a high of 48 deg F on the 28th. Juneau was 3 deg F above normal for the month with a low of 25 deg F on the 8th and a high of 47 deg F on the 29th.

STREAMFLOW

Streamflow forecasts of snowmelt runoff are as follows:

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	92	April - July
Porcupine Ricer near International Boundary	92	April - July
Yukon River near Stevens Village.....	91	April - July
Tanana River at Fairbanks.....	86	April - July
Tanana River at Nenana.....	81	April - July
Little Chena River near Fairbanks.....	62	April - July
Chena River near Two Rivers.....	64	April - July
Salcha near Salchaket.....	72	April - July
Sagvanirktok River near Pump Station 3	79	April - July
Kuparuk River near Deadhorse.....	73	April - July
Kuskokwim River at Crooked Creek	73	April - June
Gulkana River at Sourdough.....	66	April - July
Little Susitna River near Palmer.....	66	April - July
Talkeetna River near Talkeetna.....	78	April - July
Ship Creek near Anchorage.....	93	April - July
Kenai River at Cooper Landing.....	107	April - July
Gold Creek near Juneau.....	100	April - July

SNOWMELT RUNOFF INDEX (SRI)

For streams that no longer have stream gauging stations.

FORECAST POINT	INDEX	Index Key:
Koyukuk River at Hughes.....	-3.0	
MF Koyukuk R near Wiseman	-2.7	
Slate Creek at Coldfoot.....	-2.7	
Beaver Creek above Victoria Creek.....	-3.1	-2 to -3 much below average snowmelt runoff
Birch Creek below South Fork	-2.5	
Caribou Creek at Chatanika.....	-2.0	
Susitna River near Gold Creek	-2.4	-1 to -2 below average snowmelt runoff
Chulitna River near Talkeetna.....	-3.0	
Deshka River at mouth near Willow	-2.2	
Montana Creek at Parks Highway.....	-1.8	-1 to +1 average snowmelt runoff
Willow Creek near Willow.....	-2.4	
Skwentna River at Skwentna	-1.6	+1 to +2 above average snowmelt runoff
Chuitna River near Tyonek	-2.0	
Campbell Creek near Spenard.....	-1.5	
Indian Creek at Indian.....	-1.2	+2 to +3 much above average snowmelt runoff
Bird Creek at Bird Creek	-1.2	
Glacier Creek nr Girdwood	+2.8	
Six Mile Creek near Hope	+2.2	
Resurrection Creek near Hope	+0.4	
Grouse Ck at Grouse Lake Outlet nr Seward	+0.2	
Anchor River near Anchor Point.....	0.0	
Deep Creek near Ninilchik	+0.4	
Ninilchik River near Ninilchik.....	+0.3	
Fritz Creek near Homer	+0.6	
Skagway River at Skagway.....	+1.8	
Municipal Watershed C nr Petersburg	-1.0	

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

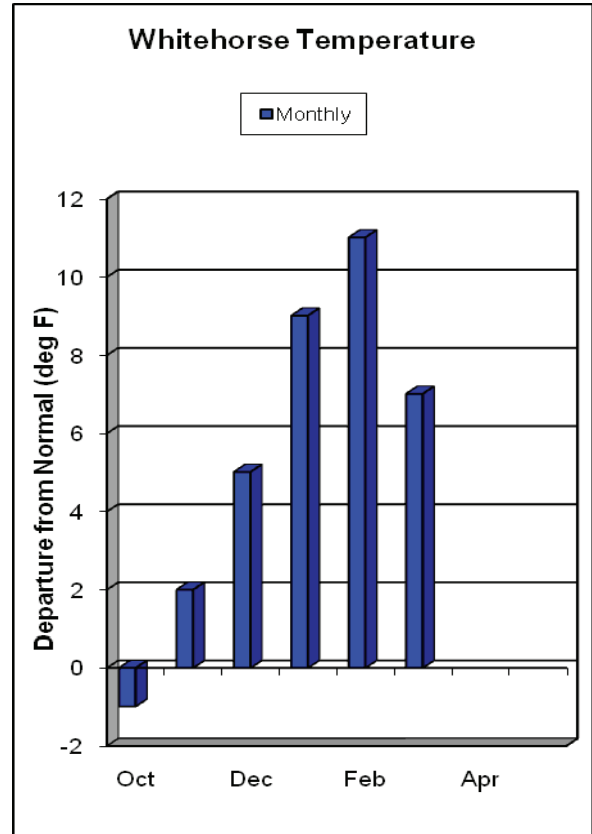
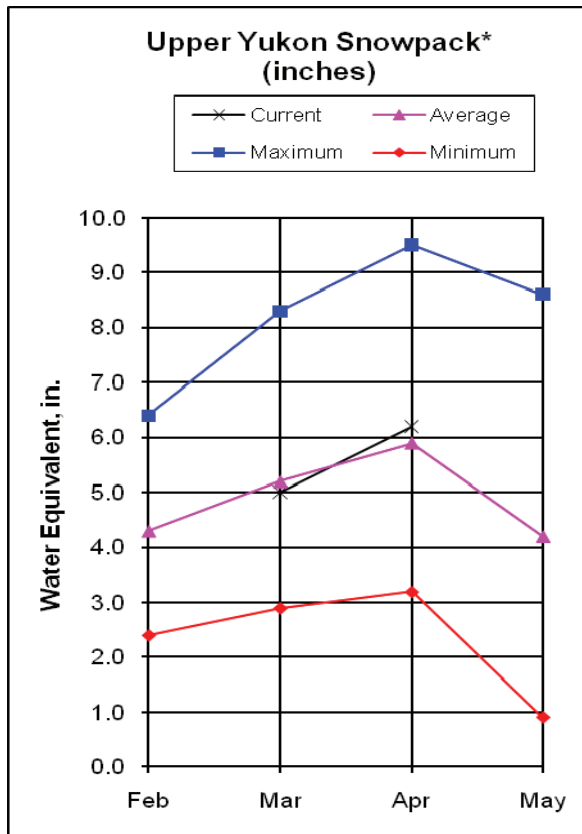
HOW FORECASTS ARE MADE

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 143 percent of average in the Yukon basin above White River to 57 percent of average in the Stewart/Pelly basin. The snow course in the White River basin, Mount Nansen, has the same water content as last year. The low snow course is Mayo Airport located in the Stewart/Pelly basin. The Stewart/Pelly basin is up 1 percent from last month to 79 percent of average.

The Dawson region is up from 74 percent last month to 100 percent of normal and the White River basin is 110 percent of normal.

The Whitehorse/Teslin basin is 112 percent of average, the Log Cabin snow course went up 3.7 inches of water content or 13 percent, to 115 percent of normal.

The expected volume flow from snowmelt runoff for the Yukon River at Eagle for the April through July time frame is 31,300,000 acre-ft, 92 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
Arrowhead Lake	3675	3/30/10	28	6.3	---	---	35	7.9
Atlin	2395	3/28/10	19	4.6	28	6.1	21	4.9
Beaver Creek	2150	3/26/10	18	3.2	27	6.1	17	3.3
Burns Lake	3650	3/31/10	30	6.4	48	12.0	37	8.4
Burwash Airstrip	2660	3/26/10	11	1.8	13	2.3	9	1.7
Calumet	4300	3/29/10	30	6.1	41	9.5	36	7.6
Casino Creek	3490	3/29/10	26	5.0	32	7.4	26	4.9
Chair Mountain	3500	3/26/10	20	3.4	33	7.3	19	3.7
Duke River	4300	3/31/10	22	4.3*	24	5.2	23	4.1
Edwards Lake	2720	3/30/10	24	4.8	35	7.5	30	6.7
Finlayson Airstrip	3240	3/31/10	18	4.4*	30	6.5	23	4.8
Fuller Lake	3690	3/30/10	32	7.8	39	8.7	34	7.9
Grizzly Creek	3200	3/31/10	31	6.8	30	7.0	32	6.9
Hoole River	3400	3/31/10	26	5.5	37	8.8	24	5.2
Jordan Lake	3050	3/31/10	26	5.5	36	8.1	24	5.2
King Solomon Dome	3540	3/31/10	28	5.6	35	7.4	29	6.0
Log Cabin (B.C.)	2900	3/30/10	56	16.8	61	21.1	49	14.6
Mayo Airport	1770	3/29/10	16	2.1	23	5.0	17	3.7
MacIntosh	3805	3/29/10	25	5.2	27	5.2	21	3.8
Meadow Creek	4050	4/01/10	54	13.5*	57	15.4	42	10.4
Midnight Dome	2805	3/30/10	28	6.3	32	6.8	28	5.8
Montana Mountain	3350	3/30/10	26	5.7	34	6.9	25	5.5
Morley Lake	2700	3/30/10	19	4.5*	35	7.5	25	5.9
Mount Nansen	3350	3/29/10	22	4.2	24	4.3	17	3.0
Mt. Berdoe	3400	3/29/10	27	4.8	30	5.2	22	4.2
Mt. McIntyre B	3600	3/26/10	33	7.5	37	8.9	28	5.9
Pelly Farm	1550	3/28/10	12	2.1*	21	3.9	15	3.0
Plata Airstrip	2720	3/30/10	27	5.3*	34	7.6	33	7.5
Rackla Lake	3410	3/30/10	33	6.7	37	7.5	37	8.2
Rose Creek	3550	No Report			30	5.7	15	3.9
Russell Lake	3480	3/30/10	32	6.4	46	10.4	37	8.9
Satasha Lake	3805	3/29/10	22	4.2	28	5.8	21	4.3
Tagish	3540	3/28/10	29	7.0	35	8.0	26	5.5
Twin Creeks	2950	3/30/10	25	4.9*	39	8.9	32	7.3
White River	2700	No Report			---	---	16	3.0
Whitehorse Airport	2300	4/01/10	16	3.2*	30	8.7	19	3.9
Williams Creek	3000	3/29/10	23	4.8	28	6.0	18	3.5
Withers Lake	3200	3/30/10	33	7.5	40	10.0	39	9.4
Estimate*								

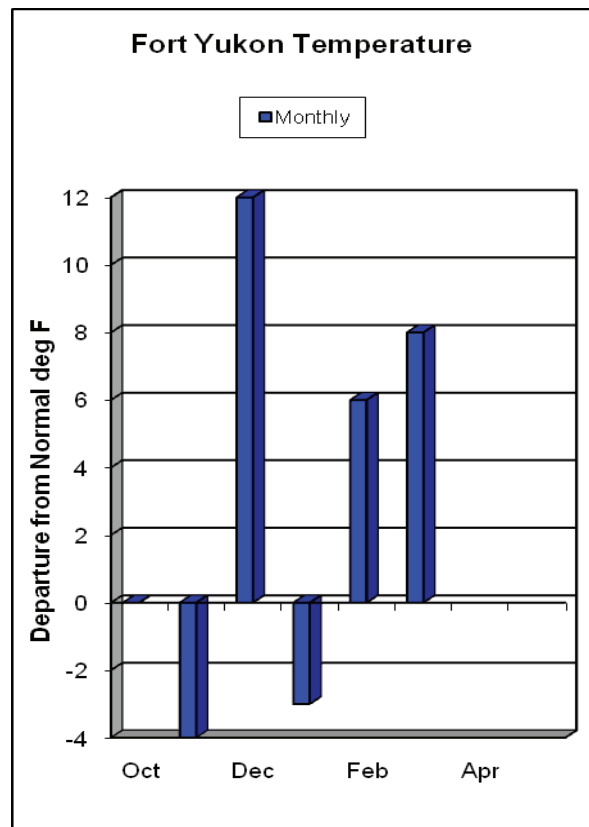
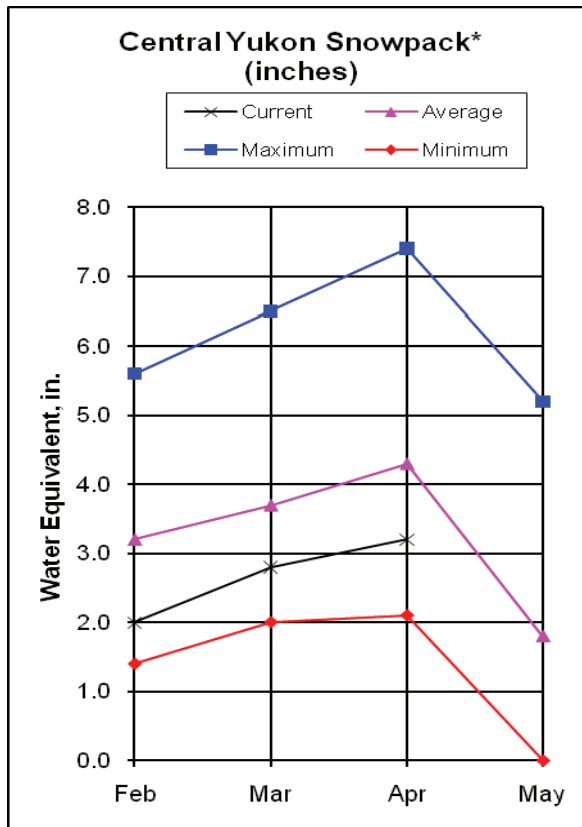
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Yukon River At Eagle	Apr-Jul	34200	31300	92	36400	26200

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Above Whitehorse/ Tetlin	10	74	112
Dawson	3	88	100
Stewart/ Pelly	14	66	80
White River	9	75	111

CENTRAL YUKON BASIN*



Current Basin Conditions

The large central basin is comparable to last month and varies from below normal in the eastern part to much below normal in the western part of the basin. The Mission Creek snow course was measured at 61 percent of normal.

The Coal Creek snow course in the Yukon Charlie National Park has 16 inches of snow depth with 2.7 inches of water content.

The Forty Mile basin received little snow and is 70 percent of average, exemplified by the Boundary snow course which is 77 percent of average.

In Canada, the Porcupine River basin is 91 percent of normal with the Old Crow snow course at 117 percent. Eagle Plains and Eagle River are in the 85 percent of average range.

The Upper Nome Creek SNOTEL site has 14 inches of snow and an estimated 2.9 inches of water content, near 55 percent of average.

The four White Mountains snow courses are 63 percent of 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
Borealis	1330	No Survey			25	5.4	28	5.2
Boundary	3300	4/03/10	21	4.1	29	7.5	25	5.3
Cathedral Creek	1800	3/29/10	21	3.5	26	4.9	--	--
Chicken Airstrip	1650	4/03/10	10	2.1	20	4.7	16	3.2
Circle Hot Springs	860	4/02/10	19	3.3	28	4.7	26	4.5
Coal Creek	1000	3/29/10	16	2.7	24	4.5	---	---
Copper Creek	2000	3/29/10	15	2.7	16	3.5	---	---
Crescent Creek	2600	3/29/10	20	3.4	21	3.9	---	---
Eagle Plains	2330	3/31/10	32	5.9	31	6.4	32	7.0
Eagle River	1120	3/31/10	26	4.7	28	5.0	27	5.5
Fort Yukon	430	3/29/10	16	2.8	20	4.1	20	3.8
Fossil	1400	No Survey			23	5.0	---	---
Graphite Lake	600	No Report			---	---	---	--
Hess Creek	1000	3/29/10	21	4.0	31	5.9	26	5.4
Lost Chicken Hill	2100	4/03/10	12	2.2	24	4.6	---	---
Lower Beaver Creek	400	No Report			---	---	---	--
Mission Creek	900	3/23/10	14	2.5	13	3.0	18	4.1
Mt. Fairplay	3100	4/03/10	15	3.4	20	5.0	20	4.3
Old Crow	980	3/30/10	24	4.6	33	6.7	25	4.6
Riff's Ridge	2130	4/01/10	29	5.5*	30	6.1	29	5.7
Seven Mile	600	3/29/10	20	3.5	32	6.6	26	5.2
Stack Pup Creek	1620	4/02/10	20	2.9	26	4.3	25	4.4
Step Mountain	2850	3/29/10	14	2.6	30	5.6	---	---
Thirty Mile	1350	3/29/10	18	3.0	29	5.6	37	8.1
Three Fingers	3350	3/29/10	19	3.1	29	5.6	---	---
Upper Nome Creek	2650	3/31/10	14	2.9*	27	6.0	---	---
Vunzik Lake	500	No Report			---	---	---	---
Windy Gap	1900	4/01/10	18	4.2	26	5.7	31	5.7
Wolf	1200	4/01/10	13	2.4	21	4.5	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	5170	92	7520	3550
Yukon River near Stevens Village	Apr-Jul	48200	43900	91	49900	37900

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

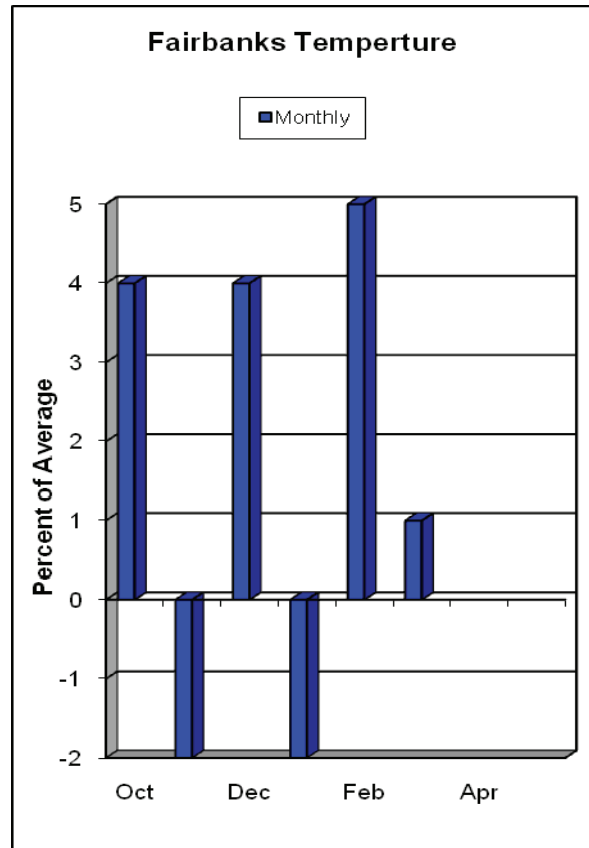
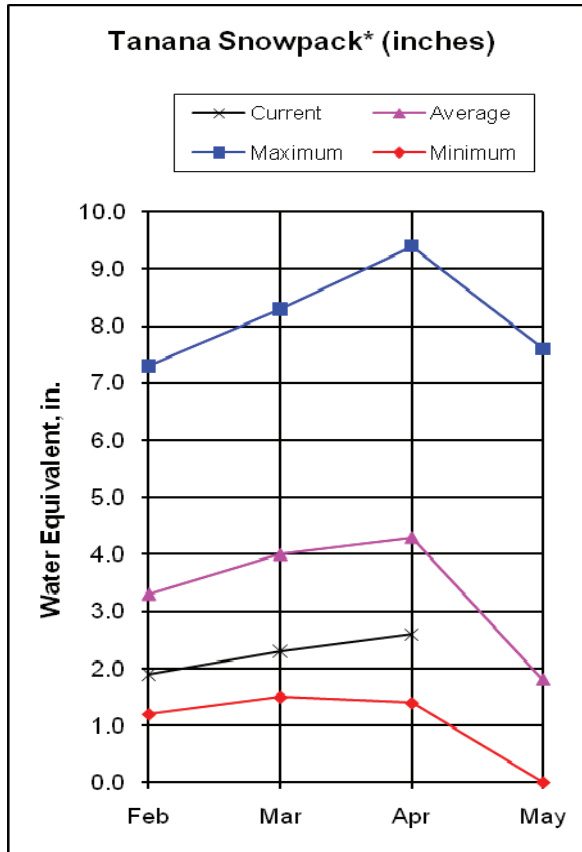
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Atigun Pass**	4800	3/31/10	4.8	6.9	8.1	59
Chandalar Shelf**	3300	4/01/10	3.1	6.0	5.3	58
Eagle Summit	3650	3/31/10	3.5	5.5	5.9	66
Fort Yukon	430	3/31/10	1.7	4.0	4.2	50
Mission Creek	900	No Report		4.7	5.2	
Upper Nome Creek	2650	3/31/10	3.1	6.7	6.8	46

**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Forty Mile	5	58	70
Porcupine (Y.T.)	4	86	91
White Mountains	4	66	63
Yukon Flats	4	64	73

TANANA BASIN*



Current Basin Conditions

The Tanana basin remains very similar to last month being near normal in the southeast to much, much below normal in the western portion of the basin.

In the upper Tanana basin, the Chisana SNOTEL site is reporting 92 percent of average water content and the Tok snow course measured 86 percent of average water content.

Beaver Creek snow course in the Yukon Territories is 97 percent of average.

For the Delta Junction area and south, the Fielding Lake snow course is 50 percent of average and Granite Creek is 101 percent of average.

For the lower Tanana valley, French Creek is 38 percent of average and Bonanza Creek is 44 percent of average. The combined 7 snow courses in the lower basin are 38 percent of average.

The Chena basin is 47 percent of average. One snow course, Little Chena Bottom has a record low of 9 inches of depth with 1.2 inches of water content. The previous low was 1.6 inches in 1981. The Chatanika basin is 54 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	3/31/10	14	2.2	28	5.7	23	5.0
Caribou Creek	1250	3/31/10	12	2.4	25	5.3	23	5.0
Caribou Mine	1150	3/30/10	14	2.4	56	6.0	27	5.6
Caribou Snow Pillow	900	3/31/10	16	2.4	26	5.1	23	4.8
Chisana	3320	3/31/10	18	3.4	27	5.6	22	3.7
Cleary Summit	2230	4/02/10	20	4.4	31	6.0	31	6.7
Colorado Creek	700	4/02/10	11	2.3	23	4.1	23	4.7
Edgar Creek	2400	No Report			30	5.7	28	7.0
Fairbanks FO	450	4/02/10	10	1.8	26	4.6	23	4.5
Faith Creek	1900	4/02/10	15	2.4	26	5.0	28	4.9
Fielding Lake	3000	3/31/10	25	6.0	46	13.2	46	12.0
Fort Greely	1500	4/01/10	14	2.8	15	3.2	17	3.6
French Creek	1800	4/01/10	13	2.4	29	6.3	27	6.4
Gerstle River	1200	4/01/10	15	2.2	21	4.0	18	3.4
Gold King	1700	No Report			18	3.6	21	4.3
Granite Creek	1240	4/01/10	13	3.9	22	4.3	18	3.8
Jatahmund Lake	2180	3/31/10	16	2.9	24	5.1	18	3.2
Kantishna	1550	3/29/10	15	2.2	31	5.8	30	5.7
Lake Minchumina	730	3/29/10	13	1.7	27	5.0	21	4.4
Little Chena Bottom	1460	3/30/10	9	1.2	18	3.3	21	4.3
Little Chena Ridge	2000	3/30/10	8	1.8	18	3.4	28	5.9
Lost Creek	3030	No Report			20	4.9	21	4.2
Mentasta Pass	2430	3/31/10	22	4.5	31	6.7	28	6.7
Monument Creek	1850	3/30/10	15	2.2	26	6.2	25	5.2
Mt. Ryan	2800	3/30/10	19	3.2	33	6.2	31	6.8
Munson Ridge	3100	3/30/10	25	5.2	40	9.0	38	9.1
Paradise Hill	2200	3/31/10	13	2.8	24	4.8	18	3.6
Ptarmigan Airstrip	2400	No Report			20	4.0	18	3.7
Ptarmigan Creek	2230	4/02/10	20	3.2	25	4.7	19	3.8
Rock Creek Bottom	2250	3/31/10	15	2.0	17	3.5	22	4.3
Rock Creek Ridge	2600	3/31/10	15	2.0	20	3.9	26	5.3
Shaw Creek Flats	980	4/01/10	14	2.2	18	4.0	16	3.4
Stampede	1800	No Survey			---	---	---	---
Teuchet Creek	1640	3/31/10	16	3.0	26	6.0	23	4.4
Tok Junction	1650	3/31/10	19	3.1	21	3.8	19	3.6
Upper Chena	3000	3/30/10	20	3.9	35	7.4	33	7.8
Upper Chena Pillow	2850	3/30/10	19	3.2	36	7.8	32	7.5
Upper Wood River	2990	No Report			25	4.7	28	5.7

Estimate *

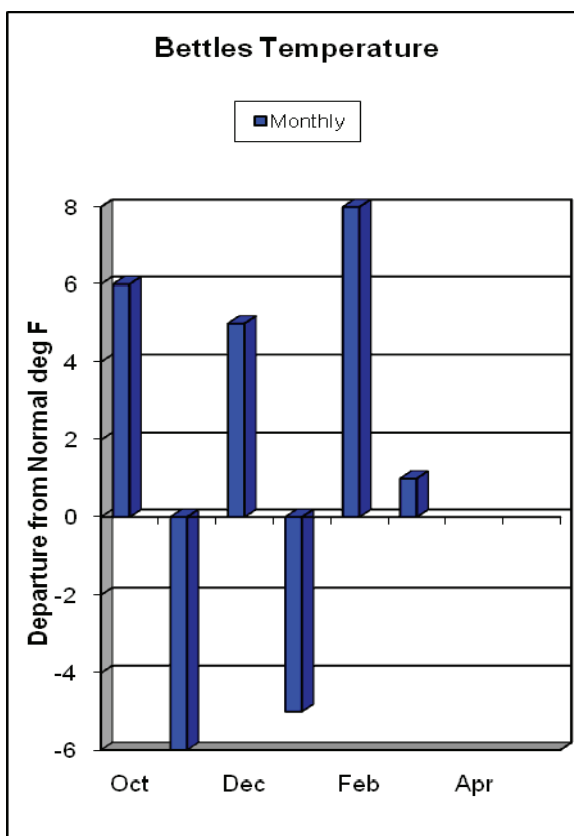
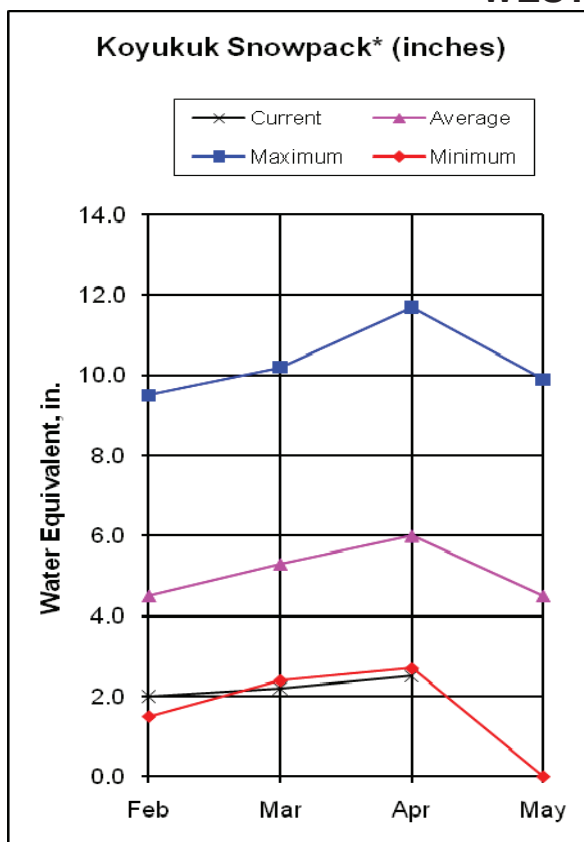
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Tanana River at Fairbanks	Apr-Jul	7100	6110	86	7070	5150
Little Chena R. near Fairbanks	Apr-Jul	78.0	48	62	76	20
Chena River near Two Rivers	Apr-Jul	270	173	64	290	58
Salcha River near Salchaket	Apr-Jul	625	450	72	655	285
Tanana River at Nenana	Apr-Jul	9000	7290	81	8480	6100

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Chatanika	4	54	54
Chena Basin	11	51	47
Lower Tanana Valley	7	41	38
Mid Tanana Valley (Delta Junction)	7	56	61
Upper Tanana Valley (Tok)	6	62	83

WESTERN INTERIOR BASINS*



Current Basin Conditions

Koyukuk

Four snow courses in the upper Koyukuk basin have record low snow water contents. Starting in the north is Table Mountain with 1.6 inches of snow water content, previous record low was 2.3 inches set in 2007. To the south and west of Bettles, Lake Todatonten has 2.2 inches of water content, the previous low was 3.1 in 2007. On the Dalton Highway, the Bonanza Forks and Thirty Mile snow courses have had wild fires disturbing or removing the vegetation at the snow courses in 2004 and 2005 respectively. Both of the water contents are lower than the previous record low set for both courses in 2007.

Near Galena, the Colville Bend snow course has 15 inches of snow depth, last year there was 33 inches. This is a similar ratio for the snow courses in the lower Koyukuk and Yukon area near Galena.

Kuskokwim

The Lake Minchumina snow course has 1.7 inches of snow water content, the 2nd lowest year, the low is 1.5 inches measured in 2004. The McGrath snow course has 19 inches of snow with 3.5 inches of water content, 54 percent of normal. The Telaquana Lake snow course has 10 inches of snow depth with 2.2 inches of snow water content, 49 percent of average.

Lower Yukon

The Tozikaket snow course is a record low 28 percent of average with 1.4 inches of snow water content, the previous record of 2.2 inches was measured in 2007.

The snow courses in the Innoko Wildlife Refuge are around 65 percent of normal, varying from 39 inches of snow depth at Holikachuk to 20 inches at the Innoko Inn.

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

Western Interior Basins

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)			
Koyukuk								
Bettles Field	640	4/01/10	20	3.2	37	8.4	32	6.9
Bonanza Forks	1200	3/29/10	14	1.8	33	6.9	27	5.6
Cloverleaf	170	3/30/10	19	3.6	36	8.6	---	---
Coldfoot	1040	3/31/10	15	3.2	37	9.0	31	6.9
Colville Bend	170	3/30/10	15	2.7	33	8.3	---	---
Disaster Creek	1550	3/29/10	15	2.3	27	5.5	23	4.4
Huggins Creek	290	3/31/10	15	2.3	48	10.8	---	---
JR Slough	160	No Survey			34	8.6	---	---
Kaldoyeit	750	3/31/10	11	2.2	31	6.6	---	---
Kanuti-Chelatna	670	No Report			39	8.8	---	---
Kanuti-Kilolitna	550	3/31/10	8	1.5	27	6.2	---	---
Lake Todatonen	550	3/31/10	16	2.2	44	9.6	28	5.5
Minnkokut	580	3/31/10	21	3.5	46	10.6	---	---
Nolitna	560	No Report			39	8.2	---	---
Table Mountain	2200	3/29/10	13	1.6	29	6.3	24	4.9
Taiholman	540	3/31/10	3	0.5	4	1.0	---	---
Treat Island	190	3/31/10	8	1.5	21	5.0	---	---
Kuskokwim								
Aniak Farm	80	3/31/10	8	1.5*	---	---	---	---
Hoholitna River	773	No Report			---	---	---	---
Holitna River	257	4/01/10	31	5.5	54	13.8	---	---
Holokuk River	367	4/01/10	6	1.7	19	4.8	---	---
Johnny Slu	180	4/01/10	19	3.5	18	12.3	---	---
Kogruk River	193	4/01/10	42	7.2	62	16.1	---	---
Lake Minchumina	730	3/29/10	13	1.7	27	5.0	21	4.4
Lower Aniak	164	No Report			32	8.1	---	---
McGrath	340	3/30/10	19	3.5	39	9.9	30	6.5
Middle Kuskokwim	297	4/01/10	10	2.0	42	10.7	---	---
N. Fork Kuskokwim	512	No Report			44	11.2	---	---
Nixon Fork Kuskowim	508	No Report			---	---	---	---
Purkeypile Mine	2025	3/29/10	18	3.1	23	5.2	21	4.1
Telaquana Lake	1550	4/03/10	10	2.2	23	6.5	20	4.5
Lower Yukon								
Deer Creek	195	3/30/10	15	2.7	36	7.5	---	---
Grouch Creek	220	3/30/10	33	6.8	59	14.0	---	---
Holikachuk	100	3/30/10	39	7.8	54	13.0	---	---
Horsefly Creek	180	3/30/10	37	7.2	45	11.0	---	---
Innoko Inn	200	3/30/10	20	3.8	---	---	---	---
Little Mud River	855	3/30/10	15	2.6	27	6.0	---	---
Lower Nowitna River	205	3/30/10	17	3.1	25	5.5	---	---
Menotl Creek	380	No Report			48	13.5	---	---
Middle Innoko	150	3/30/10	34	7.0	50	12.8	---	---
Nine Mile Island	140	3/30/10	15	2.7	41	9.6	---	---
Pike Trap Lake	130	3/30/10	5	1.0	20	4.4	---	---
Squirrel Creek	150	3/30/10	19	3.4	35	8.6	---	---
Tozikaket	600	3/31/10	11	1.4	30	6.5	24	5.0
Upper Innoko	180	3/30/10	26	5.2	50	12.0	---	---
Wapoo Hills	220	3/30/10	38	7.5	57	13.5	---	---
Yankee Slough	100	3/30/10	41	8.2	45	11.0	---	---
Yetna River	120	3/30/10	34	7.0e	---	---	---	---

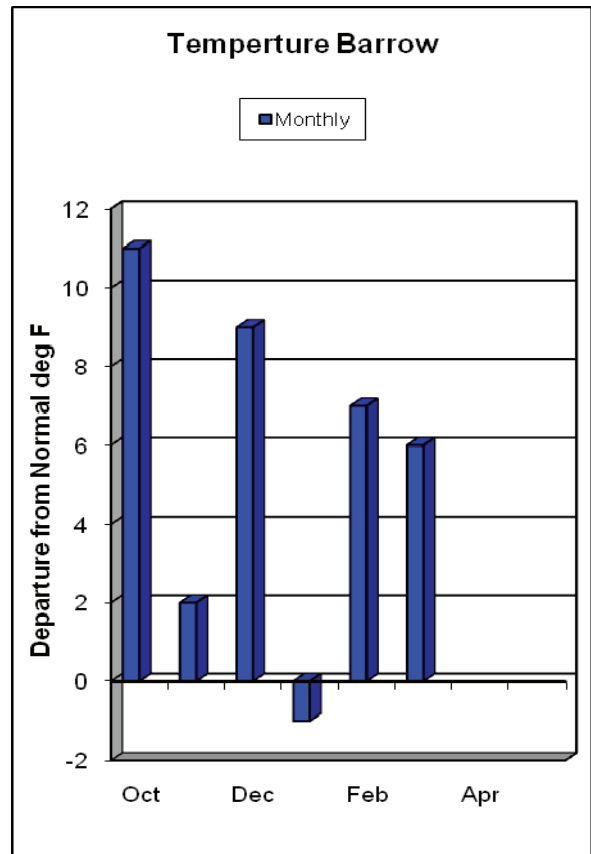
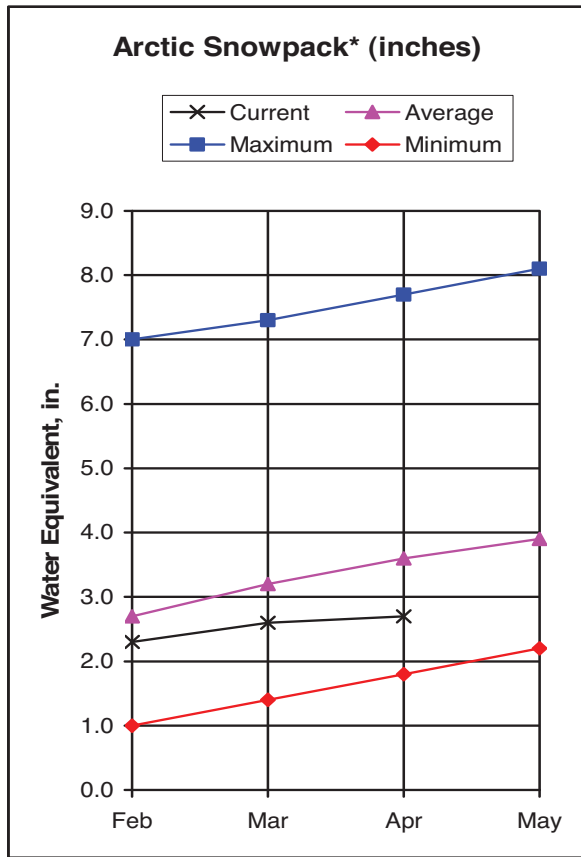
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kuskokwim River at Crooked Creek	Apr-Jun	10500	76650	73	10200	5080

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Koyukuk	6	31	41
Upper Kuskokwim	4	39	50
Lower Yukon	11	52	65

ARCTIC AND KOTZEBUE SOUND*



Current Basin Conditions

Arctic

The Atigun Pass SNOTEL site has received 5.3 inches of precipitation since October 1st or 65 percent of average. It has 25 inches of snow on the ground. The Imnaviat Creek SNOTEL site has received 2.8 inches of precipitation, 72 percent of normal.

Kotzebue

The Red Dog mine precipitation gauge received 2.3 inches of precipitation since October 1st, 36 percent 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	4/01/10	2.4	3.2	5.0	48
Atigun Pass	4800	3/31/10	4.8	6.9	8.1	59
Barrow	25	No Report		3.1	3.0	---
Imnaviat Creek	3050	3/31/10	2.8	4.8	3.9	72
Prudhoe Bay	30	No Report		3.0	3.8	---
Sagwon	1000	No Report		3.5	3.3	---
Kotzebue Sound						
Kivalina	50	3/31/10	1.6	4.4	---	---
Red Dog**	950	3/31/10	2.3	4.3	6.3	36

** Wyoming Shielded Gauge

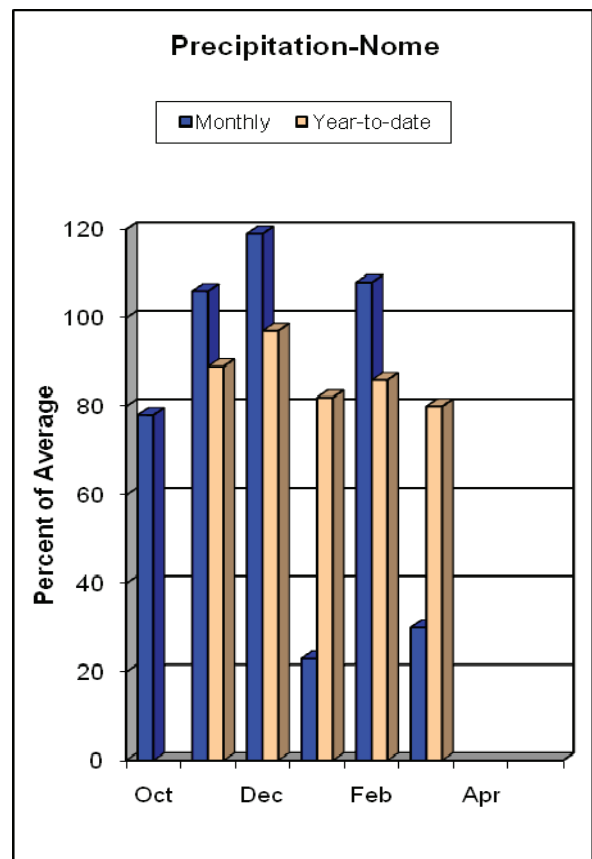
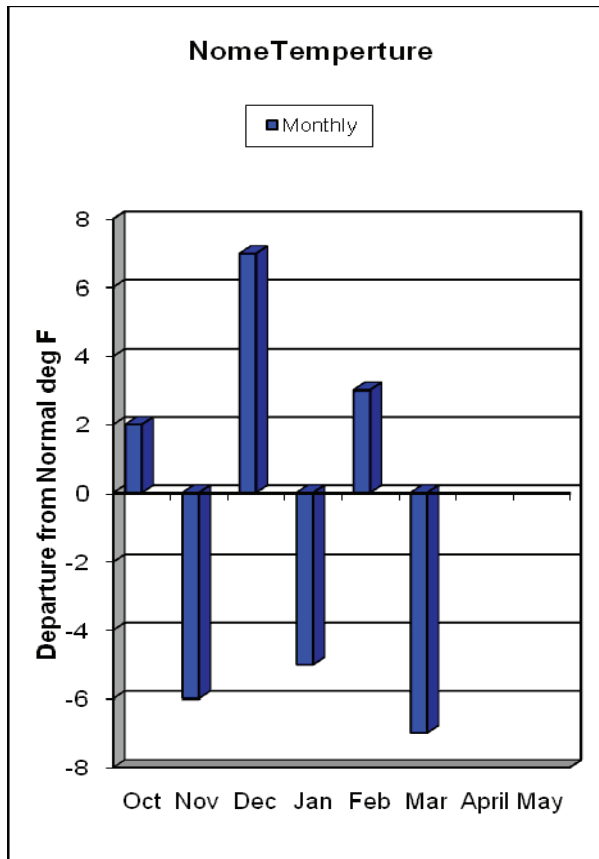
STREAMFLOW FORECASTS

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	540	79	795	365
Kuparuk River near Deadhorse	April - Jul	795	580	73	825	405

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Arctic Coast	No Report		
Dalton Highway	3	67	59

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*



Current Basin Conditions Norton Sound

The Rocky Point SNOTEL site has 14 inches of snow on the ground and an estimated 2.6 inches of water content. The Johnson Camp SNOTEL site, in the “blow hole” at Solomon, 30 miles east of Nome, has 5 inches of snow on the ground as of March 31st, last year there was 26 inches of snow depth.

Southwest Delta

Two new snow survey sites have been measured this year on the Kwethluk River, Upper and Lower Kwethluk east of Bethel. Both snow courses had 4 inches of snow on them the 16th of March. Neither site has seen more than 4 inches this winter having been measured 4 times to date.

Bristol Bay

The Brooks Camp aerial marker has 8 inches of snow depth, up 2 inches from last month. The Three Forks aerial marker has 6 inches of snow depth, down an inch from last month.

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

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*

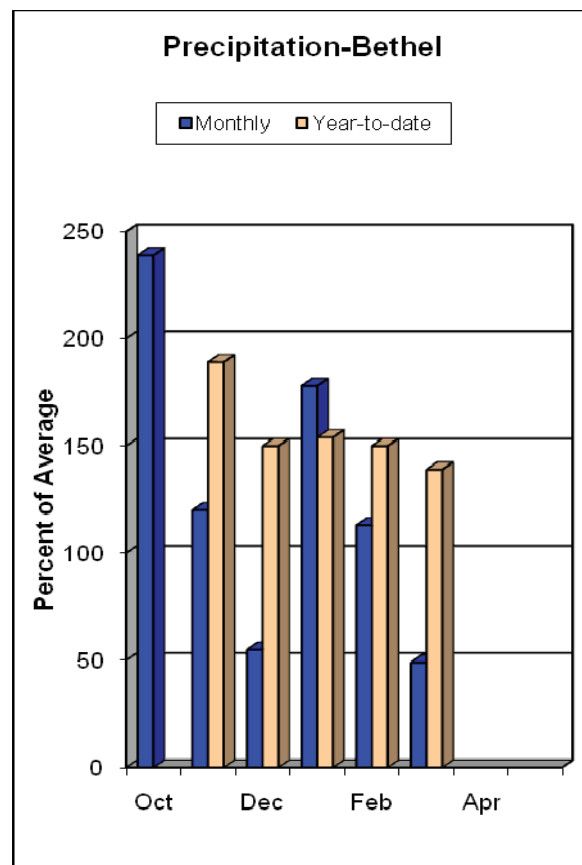
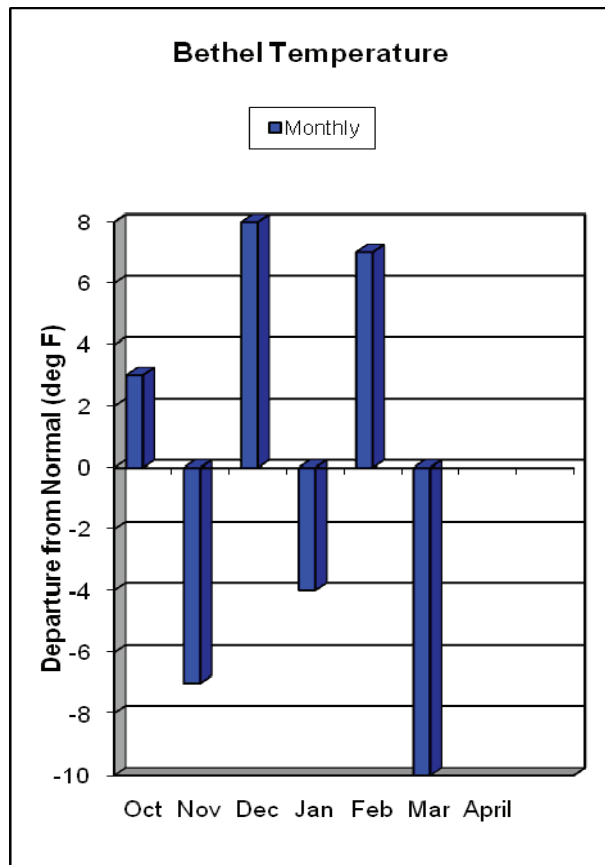
SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
Bristol Bay								
Brooks Camp	150	3/31/10	8	1.5	---	---	---	---
Fishtrap Lake	1800	No Report			37	8.9	40	10.5
Port Alsworth	270	No Report			28	6.8	12	4.1
Three Forks	900	3/31/10	6	1.5	---	---	---	---
Upper Twin Lakes	2000	No Report			24	5.8	27	7.2
Norton Sound								
Johnson's Camp	25	3/31/10	5	1.2*	26	5.5	---	---
Pargon Creek	100	3/31/10	8	2.3*	33	7.4	---	---
Rocky Point	500	3/31/10	14	2.6*	37	8.2	---	---

PRECIPITATION DATA

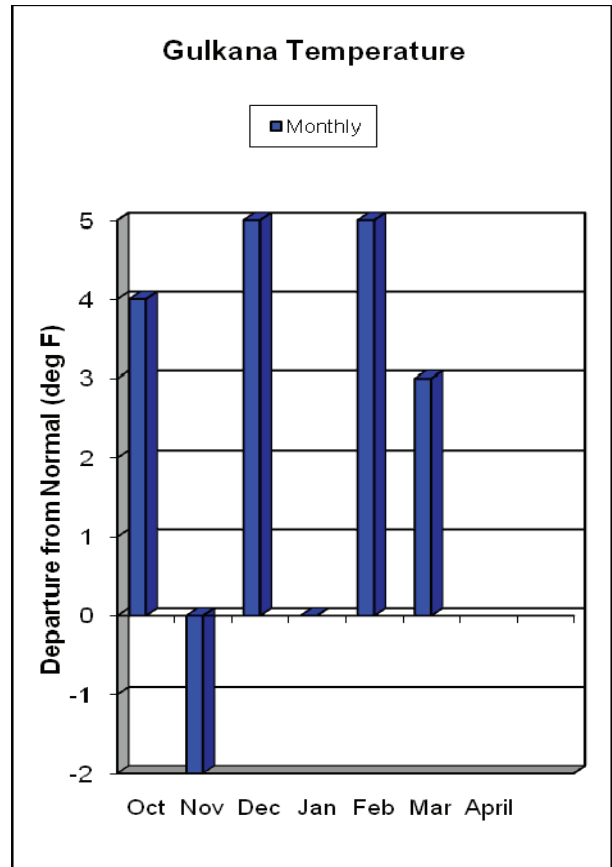
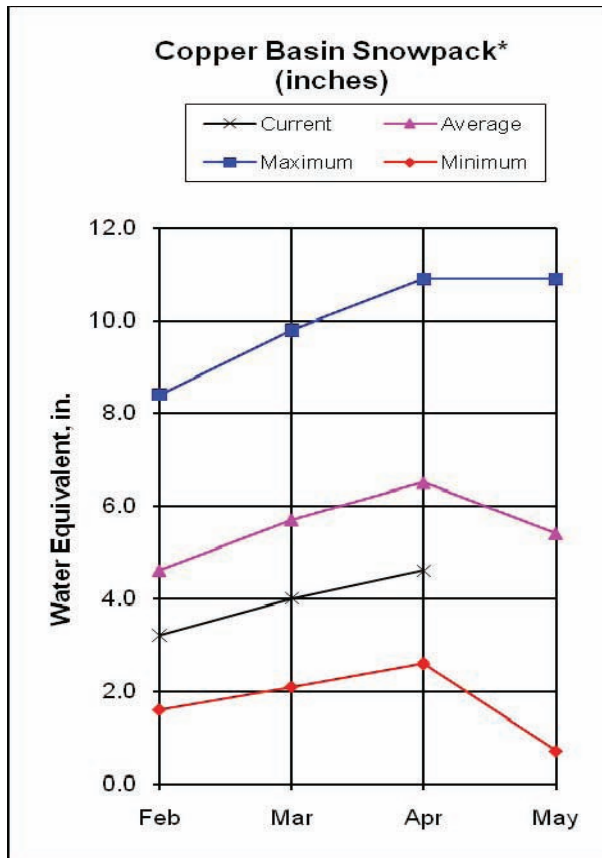
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Pargon Creek	100	3/31/10	2.4	4.3	4.7	51
Rocky Point	500	3/31/10	3.7	8.3	5.3	70



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

COPPER BASIN*



Current Basin Conditions

The snow water contents in the south and east side of the basin are near or above average with Worthington Glacier near Thompson Pass at 114 percent of normal. The Upper Tsaina River SNOTEL site has 76 inches of snow depth with 22.2 inches of water content, 102 percent of normal. The Kenny Lake snow course is now below average with 16 inches of snow depth and 3.2 inches of water content, 86 percent of average.

The Basin Floor average of 6 snow courses is 79 percent ranging from 93 percent of average at Tazlina to 65 percent of average at Haggard Creek. The Chugach Range is 101 percent of average, up 12 percent from last month. The Alaska Range dropped 4 percent from last month and is 52 percent of normal with the snow course Fielding Lake at 50 percent of normal. To the west, the Talkeetna Mountains are 91 percent of normal water content. The four Wrangell Mountain snow courses are 89 percent of average with the Dadina Lake and Sanford River both being 90 percent of average.

The expected volume flow for the Gulkana River at Sourdough for the April through July time period is 315,000 acre-feet, 66 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	3/31/10	17	3.1	25	4.6	22	4.1
Chokosna	1550	No Report			17	4.9	22	3.9
Dadina Lake	2160	3/31/10	25	5.3	31	6.5	27	5.9
Haggard Creek	2540	3/31/10	22	4.1	35	7.1	29	6.3
Horsepasture Pass	4300	3/31/10	24	5.8	24	5.1	29	6.4
Kenny Lake School	1300	3/31/10	16	3.2	15	3.4	17	3.7
Lake Louise	2400	3/31/10	17	3.3	28	5.4	23	4.6
Little Nelchina	2650	3/31/10	22	4.8	29	5.0	25	5.3
Long Glacier	4820	4/01/10	26	6.5	48	14.5	---	---
Lost Creek	3030	No Report			20	4.9	21	4.2
May Creek	1610	3/31/10	27	3.5	28	5.8	23	5.0
May Creek	1610	4/1/10	21	4.8	28	8.0	23	5.0
Mentasta Pass	2430	3/31/10	22	4.5	31	6.7	28	6.7
Monsoon Lake	3100	3/31/10	16	2.6	33	6.7	28	6.4
Mt. Eyak	1405	3/31/10	85	34.4	74	23.4	75	24.2
Notch	2645	No Survey			12	3.5	---	---
Paxson	2650	3/31/10	20	3.8	39	8.3	32	7.8
Sanford River	2280	3/31/10	24	5.6	34	7.5	28	6.2
St. Anne Lake	1990	3/31/10	22	4.5	22	4.2	25	5.5
Tazlina	1225	3/31/10	17	3.8	13	2.9	19	4.2
Tebay Lake	1930	4/02/10	30	8.4	54	16.5	---	---
Tolsona Creek	2000	3/31/10	19	3.3	22	4.4	22	4.1
Tsaina River	1650	3/30/10	64	17.9	42	12.4	57	17.6
Twin Lakes	2400	3/31/10	23	5.2	19	4.1	28	6.4
Upper Tsaina River	1750	3/30/10	76	22.2	50	15.6	70	21.7
Worthington Glacier estimate*	2100	3/30/10	85	28.4	65	22.1	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	3/31/10	5.8	7.8	5.7	102
Strawberry Reef	50	3/31/10	39.2	38.2	46.7	84
Upper Tsaina River	1750	3/31/10	20.8	24.5	26.7	78

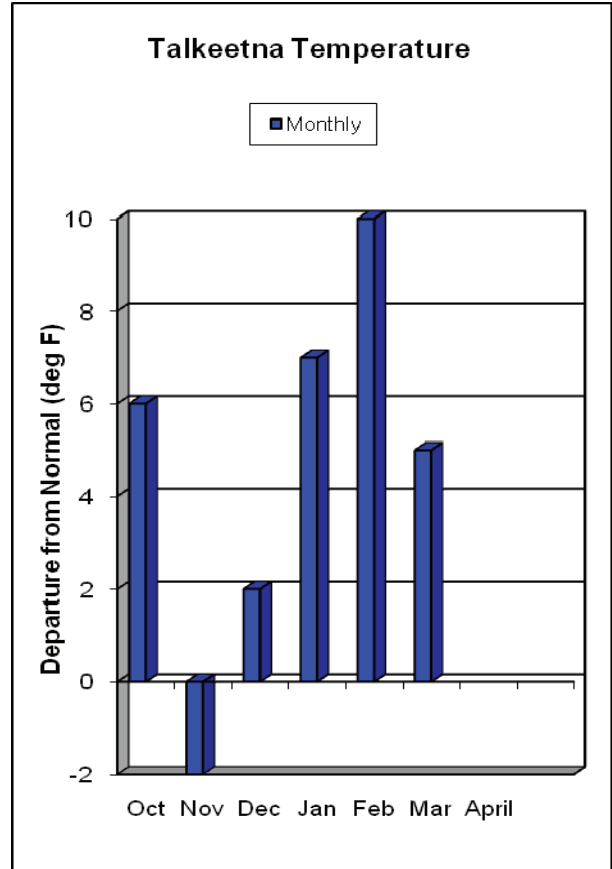
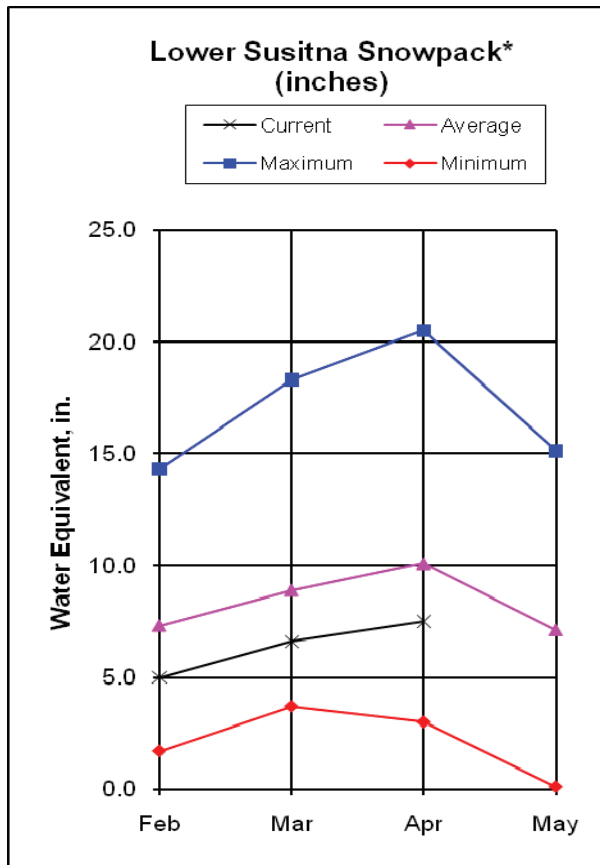
STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Gulkana River at Sourdough	Apr-Jul	475	315	66	465	164

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Alaska Range	4	49	52
Basin Floor	6	76	79
Chugach Range	6	131	101
Talkeetna Mountains	3	109	91
Wrangell Mountains	4	60	84

MATANUSKA - SUSITNA BASINS*



Current Basin Conditions

The Susitna Basin snow courses range from below average to well below average. The 11 snow courses in the Upper Susitna Basin are below average at 65 percent. Snow water contents range from 48 percent of average at the Fog Lakes snow course to 82 percent of average at the Upper Oshetna River snow course.

For the Lower Susitna snow courses, the west side of the basin is below average as indicated by Alexander Lake which measured 10.0 inches of snow water content, 83 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 54 percent of average.

The Peter Hills snow courses are 59 percent of average with Nugget Bench at 67 percent of average and the Dutch Hills aerial marker showing 45 inches of snow with an estimated 14.0 inches of water content, 51 percent of average. This is a record low water content with the previous low being 14.1 inches measured in 1996.

The Hatcher Pass snow courses vary from 48 percent of average at the Independence Mine snow course to 62 percent of average at the Little Susitna snow course.

The Sheep Mountain snow course water content is 6.3 inches, 105 percent of average.

The Snowmelt Runoff Index for the Deshka River at mouth near Willow is -2.2, much below average snowmelt runoff.

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

Matanuska - Susitna Basins

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
Alexander Lake	160	3/31/10	34	10.0	53	14.3	44	12.0
Archangel Road	2200	3/31/10	33	9.1	55	16.6	50.0	16.3
Bentalit Lodge	150	3/31/10	29	5.8	34	8.2	---	---
Blueberry Hill	1200	4/02/10	32	9.6	56	16.8	58	16.0
Chelatna Lake	1450	3/29/10	30	8.6	---	---	44	11.6
Clearwater Lake	2650	3/31/10	16	2.8	30	5.2	27	5.7
Curtis Lake	2850	3/31/10	13	2.1	25	4.9	---	---
Denali View	700	4/02/10	28	8.1	49	14.6	50	13.4
Dunkle Hills	2700	3/29/10	29	8.3	---	---	---	---
Dutch Hills	3100	3/29/10	45	14.0	102	28.5	80	27.5
E. Fork Chulitna	1800	4/02/10	30	8.4	54	13.8	54	14.0
Eldridge Glacier	3400	No Survey	---	---	---	---	---	---
Fishhook Basin	3300	3/31/10	36	10.3	68	21.8	64	20.5
Fog Lakes	2120	3/31/10	16	2.9	31	5.4	28	6.2
Halfway Slough	350	4/02/10	16	4.6	32	8.7	---	---
Independence Mine	3550	3/31/10	40	11.7	74	24.5	70	24.2
Independence Mine	3550	3/31/10	30	8.1	63	18.6	56	20.0
Lake Louise	2400	3/31/10	17	3.3	28	5.4	23	4.6
Little Susitna	1700	3/31/10	29	8.2	44	12.6	43	13.3
Monahan Flat	2710	3/31/10	22	3.7	40	7.5	35	8.1
Moose Creek Ranch	450	3/31/10	11	3.1	14	3.2	---	---
Nugget Bench	2010	3/29/10	39	10.4	66	16.7	55	15.5
Ramsdyke Creek	2220	3/29/10	44	13.0	89	23.5	69	22.0
Sheep Mountain	2900	3/31/10	25	6.3	21	4.5	26	6.0
Skwentna	160	No Survey	---	---	47	11.8	42	11.6
Square Lake	2950	3/31/10	16	3.0	24	4.2	22	4.2
Susitna Valley High	375	4/02/10	24	6.2	35	8.4	39	10.2
Talkeetna	350	4/02/10	18	5.7	38	10.2	34	8.7
Tokositna Valley	850	3/31/10	39	11.0	58	13.8	62	18.7
Tyone River	2500	No Survey	---	---	---	---	24	5.2
Upper Oshetna	3150	3/31/10	19	4.0	---	---	---	---
Upper Sanona	3100	3/31/10	25	5.2	31	6.4	---	---
Ward Lake	2700	No Survey	---	---	---	---	25	5.3
Willow Airstrip	200	4/02/10	17	5.0	31	7.5	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	57	66	78	36
Talkeetna River near Talkeetna	Apr-Jul	1630	1270	78	1530	1010

PRECIPITATION DATA

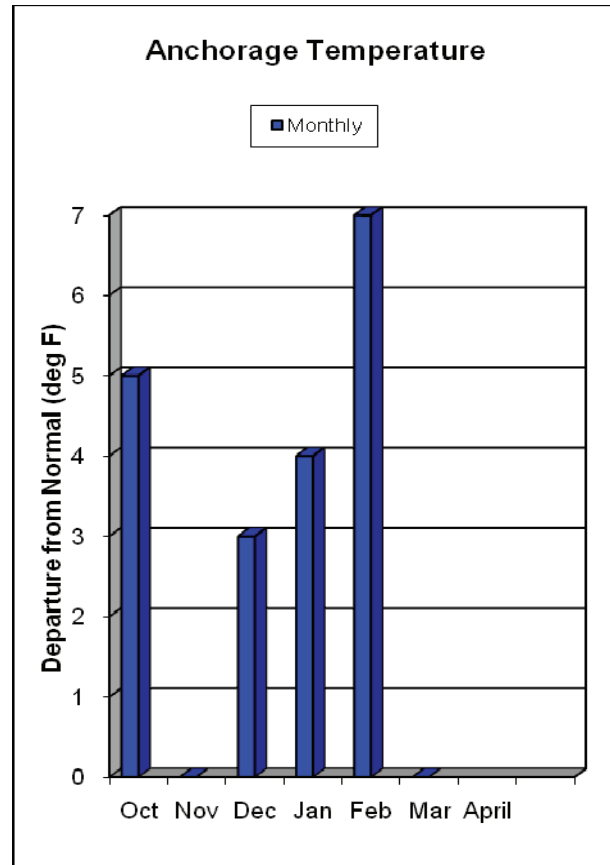
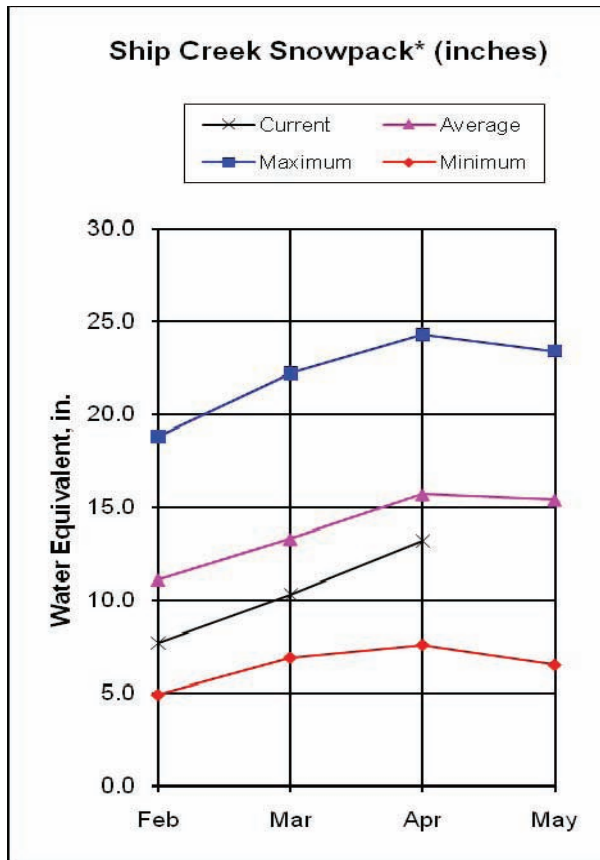
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (ft.)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Independence Mine	3550	3/31/10	11.0	18.0	25.9	42
Monahan Flat	2710	3/31/10	4.5	6.8	8.3	54
Susitna Valley High	375	3/31/10	8.3	13.0	11.7	71
Tokositna Valley	850	3/31/10	12.0	22.4	20.1	60

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lower Susitna	5	66	69
Matanuska/Little Susitna	7	60	59
Peters Hills	6	61	59
Upper Susitna	9	65	67

NORTHERN COOK INLET*



Current Basin Conditions

The Northern Cook Inlet region varies from 54 percent of average at Granite Point, near Tyonek, to 138 percent of average at Moraine. The Moraine SNOTEL site, in the Eklutna watershed, has 40 inches of snow depth with 11.0 inches of water content. The Granite Point snow course has 10 inches of snow depth with 3.0 inches of water content.

For the SNOTEL sites in the Anchorage area; Indian Pass is 83 percent of average with 58 inches of snow and 19.6 inches of water content, Anchorage Hillside is 100 percent of average reporting 38 inches of snow with 10.4 inches of water content and Mt. Alyeska has 111 inches of snow and 35.5 inches of water content, which is 97 percent of average, up 18 percent from last month.

For the west side of Cook Inlet, the Beluga aerial markers are 73 percent of average with 49 inches of snow at Chuitna Plateau and 79 inches of snow at Lone Ridge. The Congahbuna Lake snow course has 24 inches of snow depth with 7.5 inches of water content, 69 percent of average. The Portage snow course received significant snow in March with 58 inches and 21.6 inches of snow water content being measured, 144 percent of normal. Last month there was 27 inches with 10.0 inches of water content.

The expected volume flow from snowmelt runoff for the Ship Creek near Anchorage for the April through July time frame is 54,000 acre-ft, 93 percent of average.

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

Northern Cook Inlet

SNOW PACK 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					
Anchorage Hillside	2080	3/31/10	38	10.4	43	9.0	38	10.4
Arctic Ski Bowl	3000	4/02/10	29	8.2	27	7.0	43	14.0
Arctic Valley #1	500	4/02/10	18	4.7	12	2.3	14	3.6
Arctic Valley #2	1000	4/02/10	23	5.0	16	3.5	20	5.1
Arctic Valley #3	1450	4/02/10	27	7.6	28	7.1	28	7.3
Arctic Valley #4	2030	4/02/10	25	6.8	32	7.1	29	7.7
Chuitna Plateau	1540	3/31/10	49	16.5	89	29.8	86	26.9
Congahbuna Lake	500	3/31/10	24	7.5	44	12.1	38	10.8
Granite Point	250	3/31/10	10	3.0	---	---	15	5.6
Indian Pass	2350	3/31/10	58	19.6	76	22.7	71	23.7
Kincaid Park	250	4/01/10	16	4.7	20	5.0	16	4.2
Lone Ridge	1675	3/31/10	79	27.6	98	5.0	86	33.1
Moraine	2100	3/31/10	40	11.0	27	8.0	29	8.0
Mt. Alyeska	1540	3/31/10	111	35.5	106	32.3	107	36.9
Point Mackenzie	200	3/31/10	13	3.9	22	5.6	18	4.4
Portage Valley	50	4/01/10	58	21.6	72	21.3	39	15.0
South Campbell Creek	1200	4/02/10	29	7.5	57	23	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	54	93	66	42

PRECIPITATION DATA

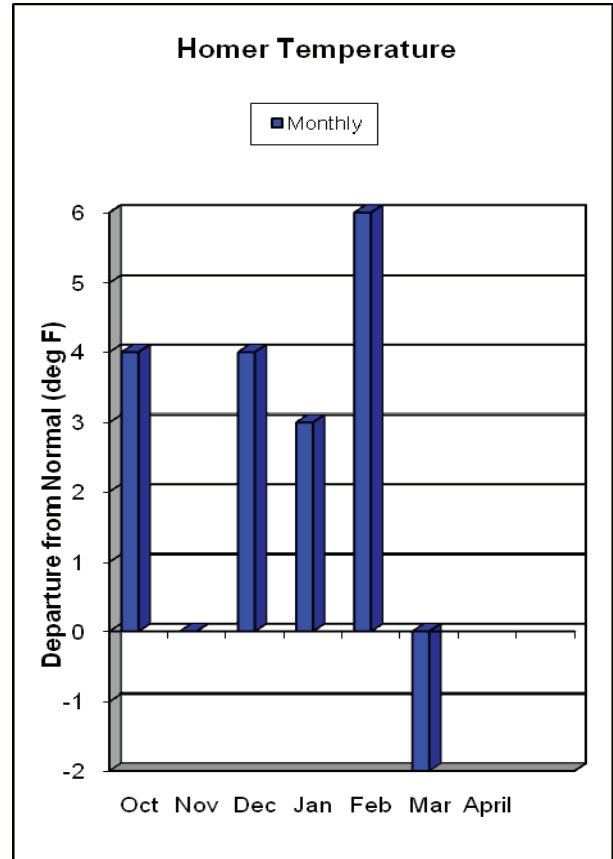
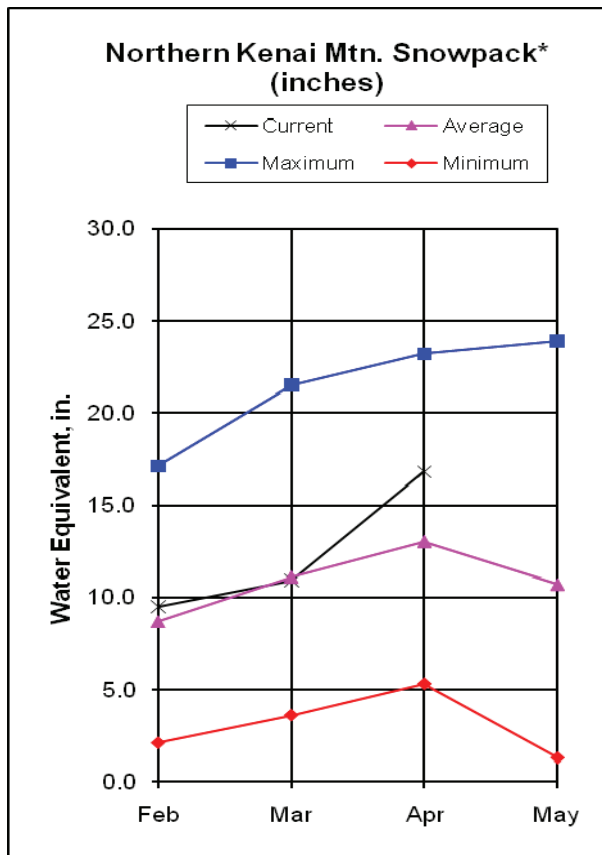
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchorage Hillside	2080	3/31/10	13.9	15.5	13.1	106
Indian Pass	2350	3/31/10	23.3	26.6	23.9	98
Moraine	2100	3/31/10	12.0	10.4	9.7	124
Mt. Alyeska	1540	3/31/10	44.5	35.9	43.6	103
Point Mackenzie	200	3/31/10	6.0	9.7	8.1	75

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Beluga	4	69	73
Campbell Creek	3	108	105
Ship Creek	8	108	92
Turnagain Arm	3	125	116

KENAI PENINSULA*



Current Basin Conditions

The Kenai Peninsula received significant snow in March. The Northern Kenai Mountains had a significant increase in snowpack with all snow courses going up in water content and the 13 snow courses are 121 percent of average, up from 98 percent last month. They range from 99 percent of normal at Resurrection Pass to 149 percent of normal at Grandview. Grandview SNOTEL site has 132 inches (11 feet) of snow depth with 41.6 inches of water content.

Northeast of Homer, the Anchor River Divide SNOTEL site reported 40 inches of snow depth with 14.0 inches of water content, and is 111 percent of average.

Across Kachemak Bay from Homer, Port Graham SNOTEL site has 37 inches of snow with 13.2 inches of snow water content, and is 129 percent of average.

In the Bradley Lake Hydro-electric power watershed, the Nuka Glacier SNOTEL site has 109 inches of snow depth with 40.7 inches of water content, up approximately 19 inches of water content from last month, and currently is 103 percent of average. The Kachemak Creek SNOTEL site has 75 inches of snow with 25.6 inches of water content. The Middle Fork Bradley SNOTEL site has received 32.3 inches of precipitation since October 1st, 93 percent of average.

The expected volume flow from snowmelt runoff for the Kenai River at Cooper Landing for the April through July time frame is 990,000 acre-ft, 107 percent of average, up 11 percent from last month.

* 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
Anchor River Divide	1600	3/31/10	48	14.0	32	7.8	43	12.6
Bertha Creek	950	3/26/10	72	22.9	47	15.3	57	17.6
Bridge Creek	1300	3/30/10	44	13.3	23	5.4	44	12.9
Cooper Lake	1200	3/31/10	54	17.8	31	9.8	50	15.6
Demonstration Forest	780	3/30/10	35	10.2	20	5.2	32	9.5
Eagle Lake	1400	4/01/10	46	13.0	35	9.0	42	12.7
Grandview	1100	3/31/10	132	41.6	105	28.9	83	28.0
Grouse Creek Divide	700	3/31/10	62	20.8	44	10.8	58	19.5
Jean Lake	620	3/31/10	17	4.0	14	1.9	15	4.0
Kachemak Creek	1660	3/31/10	75	25.6	38	12.9	---	---
Kenai Moose Pens	300	3/28/10	16	3.8	19	5.0	15	4.1
Kenai Summit	1390	3/26/10	57	18.5	49	11.4	46	14.3
McNeil Canyon	1320	3/31/10	45	15.4*	30	7.5	38	10.7
Moose Pass	700	3/26/10	28	9.1	26	5.5	21	7.1
Nuka Glacier	1250	3/31/10	109	40.7	60	21.1	95	39.5
Pass Creek	1200	3/27/10	35	9.4	33	8.5	32	8.6
Port Graham	300	4/02/10	37	13.2	31	9.4	20	5.9
Resurrection Pass	2250	3/27/10	38	10.8	38	9.0	38	10.9
Snug Harbor Road	500	3/31/10	21	7.1	16	4.0	18	5.1
Summit Creek	1400	3/26/10	46	13.5	39	9.1	44	12.1
Turnagain Pass	1880	3/31/10	149	44.6	107	27.6	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	990	107	1110	865

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

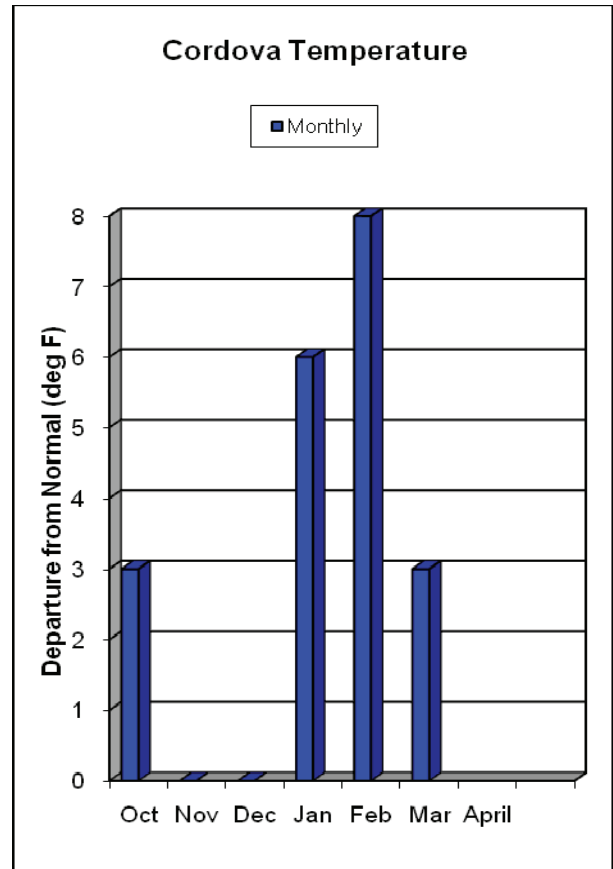
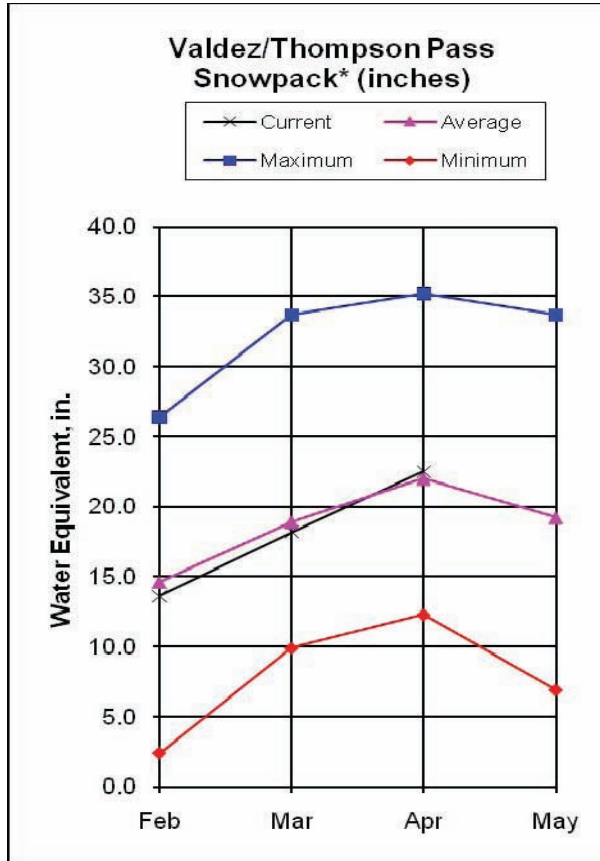
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchor River Divide	1600	3/31/10	16.3	13.6	18.5	88
Cooper Lake	1200	3/31/10	25.2	23.6	23.3	109
Grandview	1100	3/31/10	48.5	33.3	36.8	132
Grouse Creek Divide	700	3/31/10	41.7	30.2	35.3	118
Kachemak Creek	1660	3/31/10	44.4	25.4	39.4	112
Kenai Moose Pens	300	3/31/10	5.7	8.8	8.2	70
McNeil Canyon	1320	3/31/10	16.6	12.2	15.7	106
Middle Fork Bradley**	2300	3/31/10	32.3	25.7	34.6	93
Nuka Glacier**	1250	3/31/10	46.6	26.7	54.7	85
Port Graham	300	3/31/10	45.6	33.0	40.1	114
Summit Creek	1400	3/31/10	17.2	15.4	16.2	106
Turnagain Pass	1880	3/31/10	47.1	29.6	39.8	119

**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	170	109
Ninilchik Dome	5	189	113
Northern Kenai Mountains	13	153	121
Northern Kenai Flats	1	58	71

WESTERN GULF*



Current Basin Conditions

The SNOTEL site at Mt. Eyak is above average, reporting 85 inches of snow depth and 34.4 inches of snow water content, up 9.0 inches of water content from last month.

Sugarloaf Mountain SNOTEL site is at 550 feet of elevation, perched above the Solomon Gulch Hydroelectric and the town of Valdez, and reported 84 inches of snow depth and an estimated 27.5 inches of water content, 95 percent of average. The precipitation gauge has caught 37.9 inches since October 1st, which is 94 percent of average.

The Esther Island precipitation gauge has caught 79.9 inches of precipitation since October 1st 98 percent of average with 15.0 inches being caught in the month of March.

The Strawberry Reef SNOTEL site, located east of Cordova, is 84 percent of average and has caught 37.9 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
Exit Glacier	400	3/31/10	56	20.2	47	12.5	57	15.9
Grouse Creek Divide	700	3/31/10	65	20.8	44	10.8	58	19.5
Lowe River	600	3/30/10	58	18.0	43	12.1	54	17.1
Mt. Eyak	1405	3/31/10	85	34.4	75	23.3	75	24.2
Nuka Glacier	1250	3/31/10	109	40.7	60	21.1	95	39.5
Sugarloaf Mountain	550	3/31/10	84	27.5*	78	27.8	87	28.0
Tsaina River	1650	3/30/10	64	17.9	42	12.4	57	17.6
Upper Tsaina River	1750	3/31/10	75	22.2	50	15.6	70	21.7
Valdez	50	3/30/10	53	16.4	52	15.5	54	17.8
Worthington Glacier estimate*	2100	3/30/10	85	28.4	65	22.1	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	3/31/10	79.9	72.7	81.7	98
Grouse Creek Divide	700	3/31/10	41.7	30.2	35.5	118
Mt. Eyak	1405	3/31/10	60.8	56.0	67.5	90
Nuka Glacier**	1250	3/31/10	46.6	26.7	54.7	85
Port San Juan	50	3/31/10	84.7	56.0	75.5	113
Seal Island	30	No Report		34.4	40.4	---
Strawberry Reef	50	3/31/10	39.2	38.2	46.7	84
Sugarloaf Mountain	550	3/31/10	37.9	39.2	40.5	94
Tatitlek	50	No Report		41.3	38.4	---
Upper Tsaina River	1750	3/31/10	20.8	24.5	26.8	78

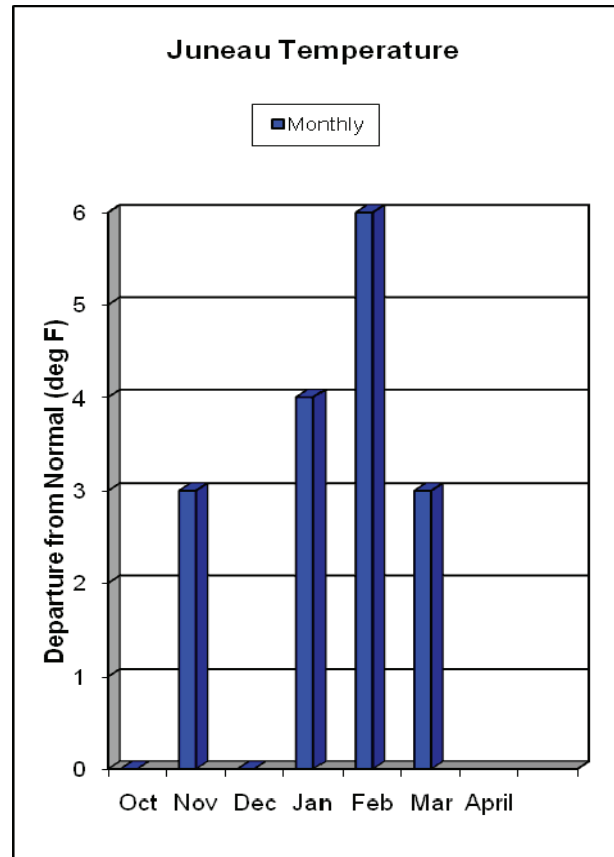
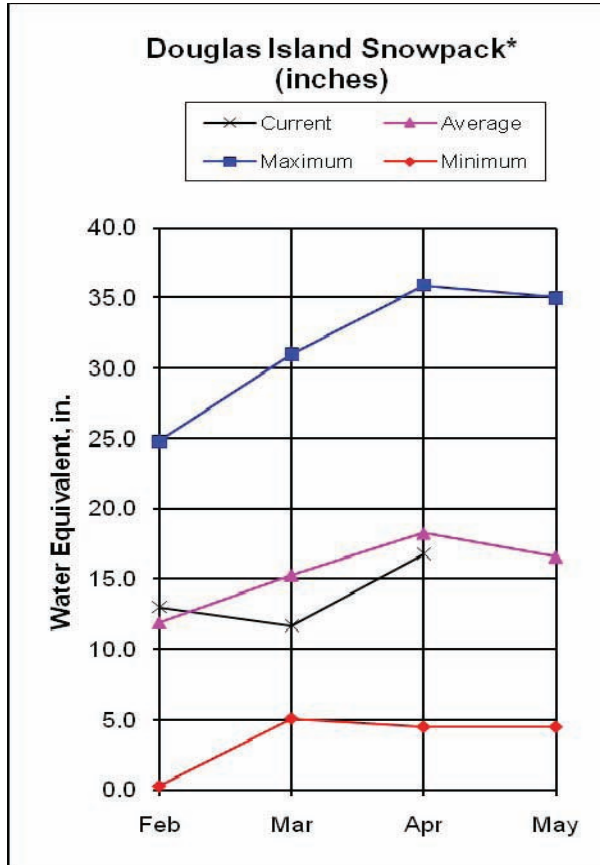
**Wyoming shielded gauge

*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	115	101
Eyak Lake	1	148	142

SOUTHEAST*



Snowcover:

In March, Southeast Alaska received significant snow above 800 feet of elevation. The Eagle Crest snow course has 49 inches of snow with 19.4 inches of water content, up 7.3 inches of water content from last month.

The Long Lake SNOTEL site, 60 miles southeast of Juneau in the Snettisham Hydro-electric project watershed, is reporting 99 inches of snow and 39.8 inches of water content, which is 90 percent of average.

The Petersburg Reservoir snow course has no snow while the Petersburg Ridge snow course has 71 inches with 28.5 inches of water content, 108 percent of average water content.

The Moore Creek Bridge snow course, north of Skagway, has 71 inches of snow depth with 22.6 inches of water content, 113 percent of average. The precipitation received at Moore Creek since October 1st is 29.1 inches, 109 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	3/30/10	87	30.9	125	42.0	81	30.3
Eagle Crest	1200	3/30/10	49	19.4	110	30.1	54	18.5
Fish Creek	500	3/30/10	0	0.0	43	14.6	19	6.2
Institute Creek	1350	4/02/10	28	10.9	New			
Lake Grace Pass	1900	No Report			152	57.5	118	45.5
Long Lake	850	4/02/10	99	39.8	137	49.9	110	44.1
Lost Lake	425	No Report			67	25.5	39	15.0
Mint Creek Ridge	1900	No Report			137	44.5	117	43.6
Moore Creek Bridge	2250	3/31/10	71	22.6	71	25.8	73	20.0
Petersburg Reservoir	550	3/30/10	0	0.0	69	21.5	15	6.2
Petersburg Ridge	1650	3/30/10	71	28.5	127	40.8	71	26.4
Rainbow Falls	500	4/02/10	0	0.0	New			
Speel River	280	3/28/10	64	23.2	132	48.0	78	31.1
Upper Swan Lake	1700	No Report			87	30.7	60	23.1
West Creek	470	No Report			38	12.8	---	---
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	33	100	41	25

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Long Lake	850	4/02/10	84.5	97.6	96.4	88
Moore Creek Bridge	2250	3/30/10	30.9	23.5	26.8	109
Snettisham	25	3/31/10	85.6	130.1	106.8	80
Swan Lake	50	No Report		101.7	88.2	---

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Douglas Island	3	58	91
Long Lake	2	64	84
Petersburg	2	46	87
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

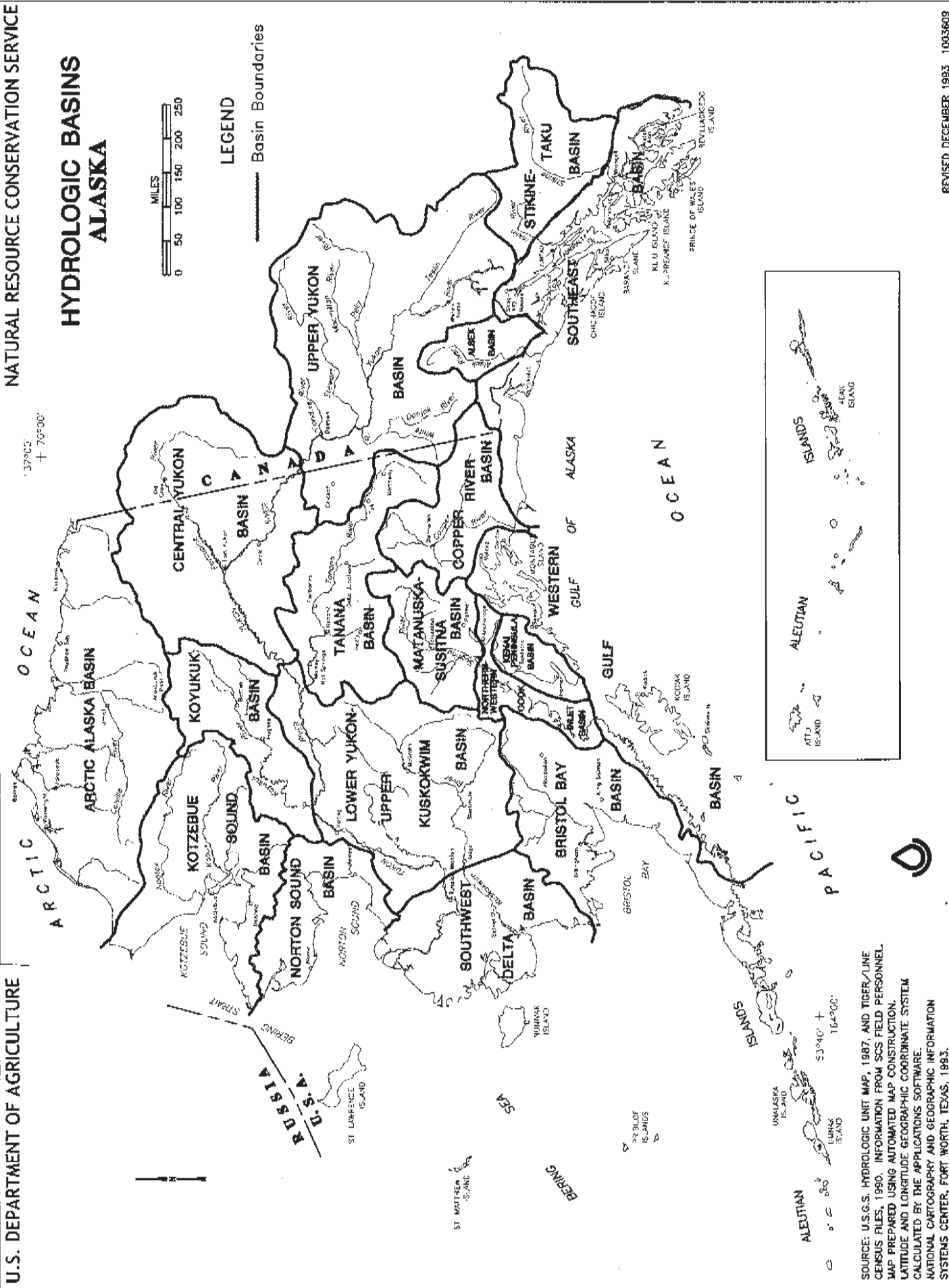
District Conservationist, Keith Griswold

Telephone (907) 373-6492 x 101

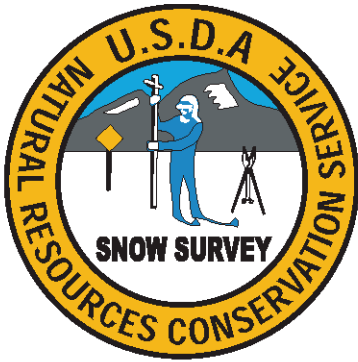
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e-mail: Keith.Griswold@ak.usda.gov

HYDROLOGIC BASINS ALASKA



SOURCE: U.S.G.S. HYDROLOGIC UNIT MAP, 1987, AND TIGER/LINE CENSUS FILES, 1990. INFORMATION FROM SCS FIELD PERSONNEL. MAP PREPARED USING AUTOMATED MAP CONSTRUCTION. LATITUDE AND LONGITUDE GEOGRAPHIC COORDINATE SYSTEM CALCULATED BY THE APPLICATIONS SOFTWARE. NATIONAL CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS CENTER, FORT WORTH, TEXAS, 1993.



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Alaska Snow Survey Report

Natural Resources Conservation Service
Anchorage, AK

