

Alaska Snow Survey Report



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Alaska Snow Survey

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General Overview

Snowpack

There are 9 snow courses reporting record high snow water contents in Alaska and the Yukon Territories. In Alaska the records begin in the Anchorage Bowl and extend to Southeast Alaska along the Gulf coast. Three of the 5 Arctic Valley snow courses set new records for March 1st, they vary for 170 to 210 percent of average. The previous record high year was 1995 with the records beginning in 1964. On the Kenai Peninsula near Homer, Demonstration Forest has 15.2 inches of water content 197 percent of average. This is a record high with the previous record being 13.7 inches of water content in 1980.

The Worthington Glacier snow course, on Thompson Pass, has a record snow water content measured for March 1st, 108 inches of snow depth with 37.2 inches of water content. The previous record occurred in 1977 and was 101 inches of snow depth with 34.7 inches of water content. The Mt. Eyak SNOTEL site, above Cordova is a record, reporting 108 inches of snow depth and 42.9 inches of snow water content, 219 percent of average. In Southeast, the Eagle Crest snow course has 114 inches of snow depth with 34.4 inches of water content, the previous record also being in 2007 of 26.6 inches of water content. The record began in 1977.

In the Yukon Territories, the Log Cabin snow course near White Pass has 20.8 inches of snow water content with the previous record being 20.2 that occurred in 1993. The Meadow Creek snow course has 13.8 inches of water content with the previous record being 13.1, which was in 1992.

Precipitation

The west coast from Kotzebue, south to Nome and Bethel received above normal precipitation for February. This weather continued to the interior with McGrath receiving 1.1 inches, 172 percent of average. The precipitation dropped off north of the Alaska Range with Fairbanks receiving 90 percent for the month.

Anchorage Hillside has received 3.9 inches of precipitation in February, 20.6 since October 1st, 178 percent of normal. Southeast Alaska has received near normal precipitation in February. The Long Lake SNOTEL site has received 11.6 inches of precipitation in February, 95.7 since October 1st, 111 percent of normal.

Temperature

In contrast to January where many portions of the state had record low temperatures, the temperatures for February were above average for all stations that reported ranging from 4 deg F at Juneau to 13 deg F above normal at Fort Yukon. Anchorage was 6 deg F above normal and Fairbanks was 8 deg F above normal.

STREAMFLOW

Streamflow forecasts of snowmelt runoff are as follows:

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	115	April - July
Porcupine River nr Int'l Boundary.....	98	April - July
Yukon River near Stevens Village	110	April - July
Tanana River at Fairbanks	106	April - July
Tanana River at Nenana.....	104	April - July
Little Chena River near Fairbanks	96	April - July
Chena River near Two Rivers.....	98	April - July
Salcha near Salchaket.....	93	April - July
Sagvanirktok River near Pump Station 3	106	April - July
Kuparuk River near Deadhorse	101	April - July
Kuskokwim River at Crooked Creek	120	April - June
Gulkana River at Sourdough	113	April - July
Little Susitna River near Palmer	140	April - July
Talkeetna River near Talkeetna.....	117	April - July
Ship Creek near Anchorage	140	April - July
Kenai River at Cooper Landing.....	128	April - July
Gold Creek near Juneau.....	130	April - July

SNOWMELT RUNOFF INDEX (SRI)

For streams that no longer have stream gauging stations.

FORECAST POINT	INDEX	Index	Key:
Koyukuk River at Hughes	+1.1		
MF Koyukuk R near Wiseman	+1.0		
Slate Creek at Coldfoot.....	+0.7		
Beaver Creek above Victoria Creek.....	-0.1	-2 to -3	much below average snowmelt runoff
Birch Creek below South Fork	-1.5		
Caribou Creek at Chatanika.....	-0.3		
Susitna River near Gold Creek	+1.7		
Chulitna River near Talkeetna	+0.1	-1 to -2	below average snowmelt runoff
Deshka River at mouth near Willow.....	+1.2		
Montana Creek at Parks Highway	+1.0		
Willow Creek near Willow	+2.2	-1 to +1	average snowmelt runoff
Skwentna River at Skwentna.....	+1.0		
Chuitna River near Tyonek	+0.2		
Campbell Creek near Spenard	+2.8	+1 to +2	above average snowmelt runoff
Indian Creek at Indian.....	+1.4		
Bird Creek at Bird Creek	+1.5		
Glacier Creek nr Girdwood	+3.0	+2 to +3	much above average snowmelt runoff
Six Mile Creek near Hope	+2.6		
Resurrection Creek near Hope	+2.3		
Grouse Ck at Grouse Lake Outlet nr Seward	+2.5		
Anchor River near Anchor Point	+2.2		
Deep Creek near Ninilchik	+2.2		
Ninilchik River near Ninilchik.....	+2.2		
Fritz Creek near Homer.....	+2.7		
Skagway River at Skagway	+2.9		
Municipal Watershed C nr Petersburg	+2.6		

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

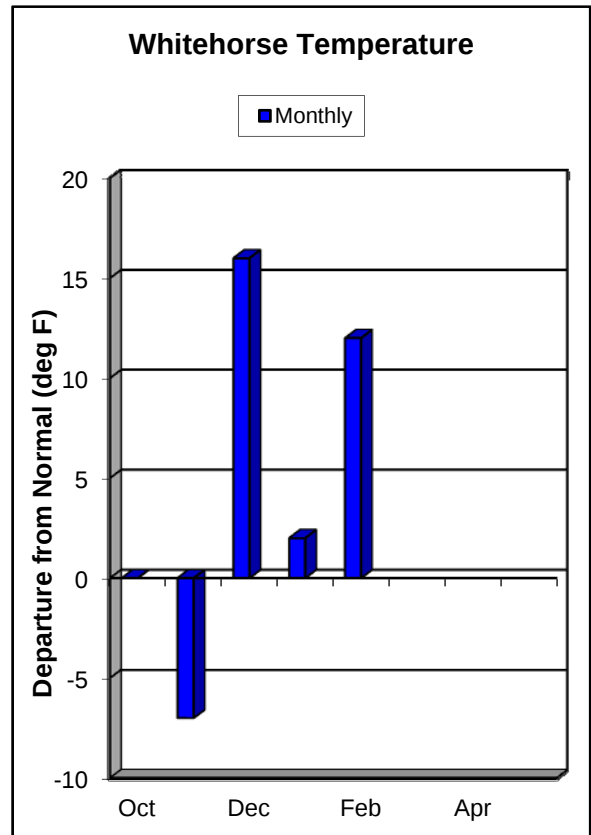
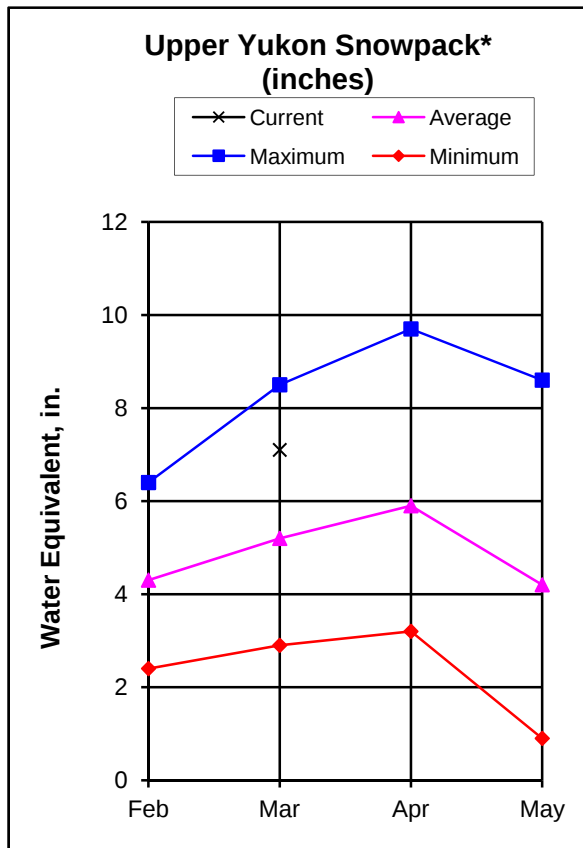
HOW FORECASTS ARE MADE

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 snow water equivalent at selected manual snow courses and automated SNOTEL sites, along with 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: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) 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 values (90% and 70% exceedance probability) and two larger values (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 uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this 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 (for example, 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 easily determine the chances of receiving more or less water.

UPPER YUKON BASIN*



Snow Course:

The Upper Yukon basin snowpack is well above average varying from 124 to 135 percent of normal. There are 2 snow courses with record snow water contents for March 1st, both are in the area above Whitehorse/Teslin. The Log Cabin snow course near White Pass has 20.8 inches of snow water content while the previous record was 20.2 which occurred in 1993. The Meadow Creek snow course has 13.8 inches of water content with the previous record being 13.1, which was in 1992. The Mt. McIntyre B snow course near Whitehorse has 8.4 inches of water content, which is the 2nd highest snow pack next to the 8.6 inches measured in 2005. This area's 9 snow courses average 135 percent of normal. The Dawson, Stewart/Pelly, and White River basins are in the mid 120 percent of normal range while the Porcupine River basin is 101 percent of normal.

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

Upper Yukon Basin

SNOW COURSE	ELEV.	DATE	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
Arrowhead Lake	3680	No Survey					32	6.6
Atlin	2400	2/29/12	13	3.6	20	3.3	21	4.4
Beaver Creek	2150	2/28/12	22	4.1	27	4.6	17	2.9
Burns Lake	3650	2/28/12	41	9.4	41	7.2	33	7.4
Burwash Airstrip	2660	2/28/12	11	2.1	16	2.9	10	1.6
Calumet	4300	2/27/12	37	5.9	35	5.5	33	6.7
Casino Creek	3500	2/27/12	28	6.1	29	5.9	24	4.0
Chair Mountain	3500	2/28/12	19	3.0	---	---	19	3.3
Duke River	4800	No Survey			---	---	21	3.7
Edwards Lake	2720	2/27/12	37	7.8	---	---	29	5.9
Finlayson Airstrip	3240	2/27/12	16	3.9	22	3.6	26	4.5
Fuller Lake	3700	2/27/12	39	9.1	37	7.8	29	6.0
Grizzly Creek	4000	2/28/12	37	8.9	26	4.1	22	4.1
Hoole River	3560	2/28/12	31	6.0	32	4.3	23	4.6
Jordan Lake	3050	2/28/12	25	4.6	22	3.5	24	4.7
King Solomon Dome	3550	3/01/12	35	7.0	33	6.5	29	5.9
Log Cabin (B.C.)	2880	2/28/12	61	20.8	51	14.3	47	12.8
MacIntosh	3800	2/27/12	25	3.9	28	5.6	19	3.6
Mayo Airport	1620	2/27/12	25	3.9	22	3.5	18	3.1
Meadow Creek	4050	2/27/12	49	13.8	44	10.9	38	9.0
Midnight Dome	2800	2/28/12	31	6.0	31	6.0	27	5.3
Montana Mountain	3340	2/29/12	29	6.5	31	7.2	24	5.1
Morley Lake	2700	2/28/12	26	6.0	26	4.6	24	5.3
Mount Nansen	3250	2/27/12	22	2.7	24	4.4	16	2.6
Mt. Berdoe	3390	2/27/12	28	5.0	---	---	21	3.7
Mt. McIntyre B	3700	2/27/12	32	8.4	35	8.6	26	5.2
Pelly Farm	1550	2/25/12	22	3.9	19	3.5	17	3.0
Plata Airstrip	2500	2/27/12	42	9.4	---	---	30	6.4
Rackla Lake	3410	2/27/12	40	9.1	---	---	33	7.0
Russell Lake	3480	2/28/12	47	11.1	47	11.6	36	7.0
Satasha Lake	3620	2/28/12	24	4.1	27	5.9	21	3.8
Tagish	3540	2/29/12	25	5.1	33	8.0	24	4.8
Twin Creeks	2950	2/27/12	37	7.5	34	7.1	31	6.6
White River	2500	No Survey			---	---	15	2.4
Whitehorse Airport	2300	2/27/12	23	5.3	20	4.4	18	3.5
Williams Creek	2800	No Survey			28	6.0	18	3.0
Withers Lake	3200	2/27/12	47	11.1	---	---	36	8.2

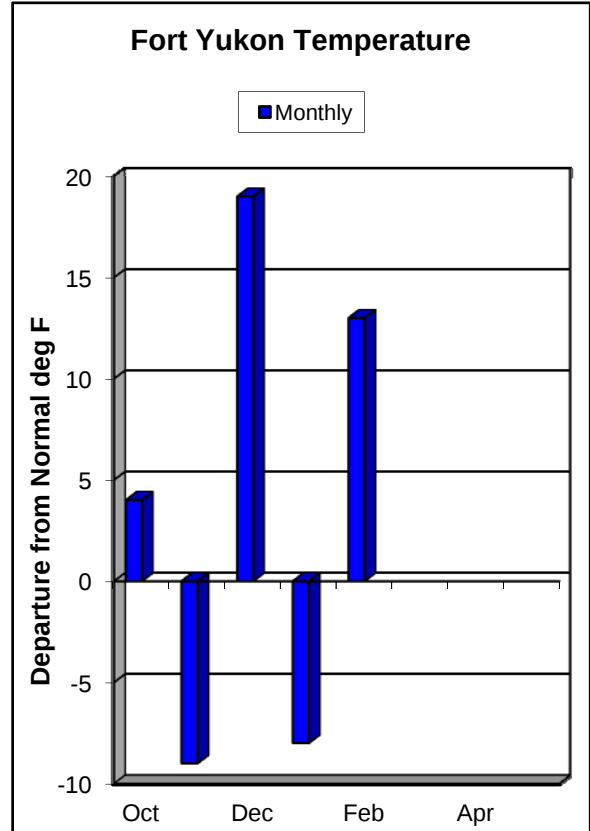
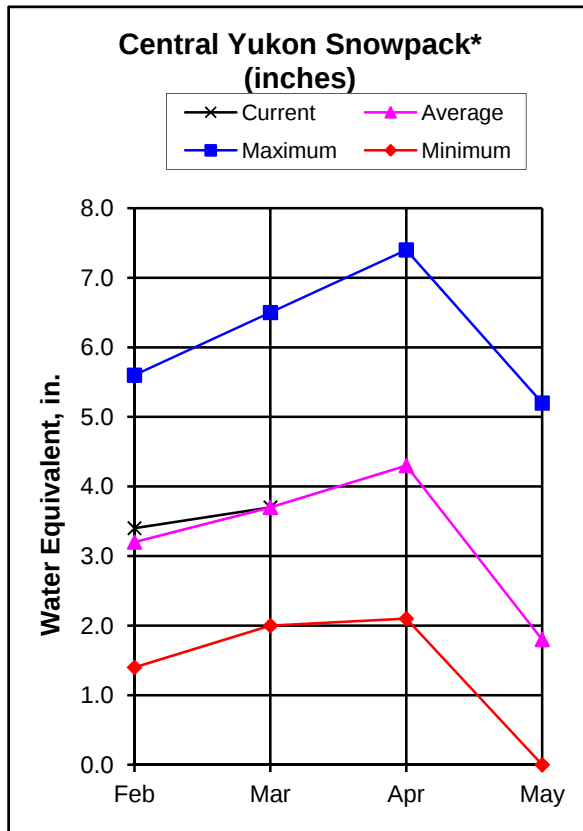
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Yukon River At Eagle	Apr- Jul	34200	39300	115	43800	34800

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Above Whitehorse/ Tetlin	9	114	135
Dawson	3	132	127
Stewart/ Pelly	13	112	126
Porcupine River	3	96	101
White River	8	78	124

CENTRAL YUKON BASIN*



Snowcover:

The Fort Yukon snow course was measured, it has 24 inches of snow depth with 4.6 inches of water content, 144 percent of average, the record is 4.9 inches of water content measured in 1975.

The 4 snow courses in Yukon Flats are 125 percent of normal.

The Upper Nome Creek SNOTEL site has 24 inches of snow with an estimated 4.5 inches of water content, 60 percent of last year. The four snow courses measured in the White Mountains are 95 percent of average.

The Porcupine River basin in the Yukon Territories is 101 percent of average.

The Forty Mile snow courses are 82 percent of average.

The forecasted April through July volume flow for the Yukon River at Eagle is 39.3 million acre-ft, 115 percent of average.

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

Central Yukon Basin

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
American Creek	1050	2/29/12	18	3.0	New		---	---
Borealis	1330	3/01/12	25	4.4	34	6.0	27	4.4
Boundary	3500	2/28/12	20	3.4	21	4.7	24	4.6
Cathedral Creek	1800	2/29/12	28	5.5	36	7.2	---	---
Chicken Airstrip	1650	2/28/12	14	2.7	16	2.4	16	2.7
Circle Hot Springs	860	3/01/12	20	3.4	17	2.8	22	3.7
Coal Creek	1000	2/29/12	20	3.2	22	4.3	---	---
Copper Creek	2000	2/29/12	13	2.0	17	3.5	---	---
Crescent Creek	2600	2/29/12	18	2.8	13	2.5	---	---
Eagle Plains	2570	2/28/12	31	5.5	31	6.3	29	5.9
Eagle River	1200	2/29/12	30	4.8	25	3.9	26	4.5
Fort Yukon	430	2/29/12	24	4.6	22	3.0	19	3.2
Fossil	1400	3/01/12	23	4.2	33	5.2	28	4.5
Graphite Lake	600	No Survey			---	---	17	2.8
Hess Creek	1000	2/29/12	30	6.6	30	5.4	25	4.8
Lost Chicken Hill	2100	2/28/12	12	2.6	---	---	18	3.1
Lower Beaver Creek	400	No Survey			---	---	---	---
Mt. Fairplay	3100	2/28/12	17	3.0	20	4.0	20	3.8
Old Crow	840	No Survey			---	---	24	3.9
Riff's Ridge	2130	2/29/12	32	5.3	32	6.0	27	5.1
Seven Mile	600	2/29/12	29	5.8	26	5.2	26	4.6
Stack Pup Creek	1620	3/01/12	21	3.6	22	3.4	24	3.7
Step Mountain	2850	2/29/12	30	6.0	28	5.8	---	---
Thirty Mile	1350	2/29/12	32	8.0	30	5.4	35	7.2
Three Fingers	3350	2/29/12	27	5.3	27	5.5	---	---
Vunzik Lake	500	No Survey					---	---
Upper Nome Creek	2650	2/29/12	25	4.5*	33	7.5*	---	---
Windy Gap	1900	No Survey			40	8.9	29	4.8
Wolf	1200	No Survey			30	5.3	26	4.1

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Porcupine River near Intl Boundary	Apr-Jul	5640	5500	98	8170	3700
Yukon River near Stevens Village	Apr- Jul	48200	52900	110	60200	45600

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

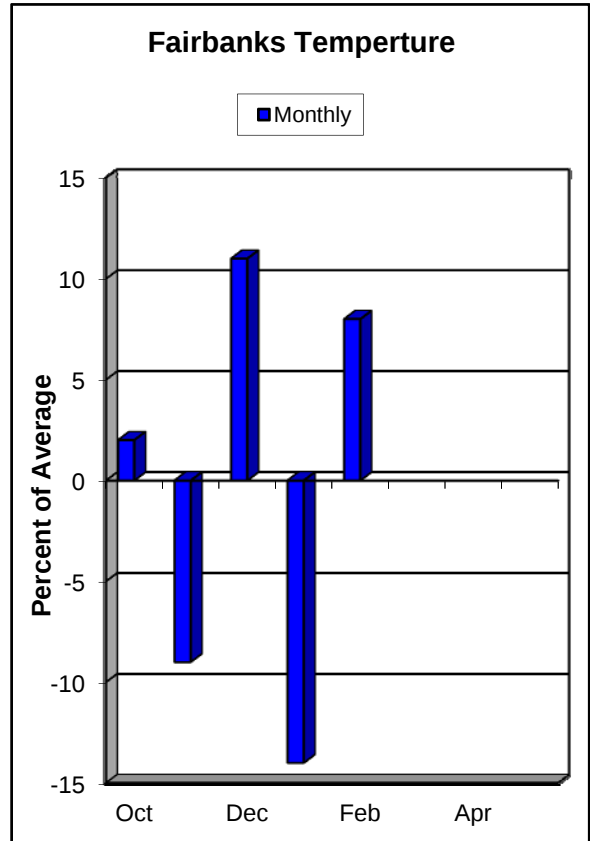
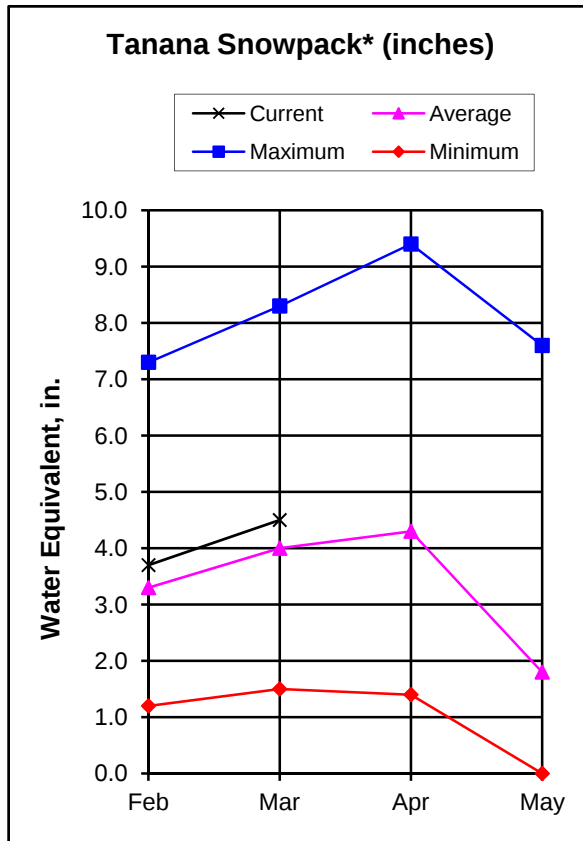
Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
American Creek	1050	2/29/12	3.2	---	---	---
Atigun Pass**	4800	2/29/12	6.3	5.3	7.1	89
Chandalar Shelf**	3300	2/29/12	4.9	4.7	4.6	106
Eagle Summit**	3650	2/29/12	3.4	4.1	5.3	64
Fort Yukon	430	2/29/12	3.4	3.2	3.8	90
Upper Nome Creek	2650	2/29/12	5.4	7.9	6.1	88

**Wyoming Shielded Gauge

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Forty Mile	4	82	82
Porcupine (Y.T.)	3	96	101
White Mountains	4	84	95
Yukon Flats	4	100	125

TANANA BASIN*



Snowcover:

The Tanana Basin varies from 134 percent of normal near Tok to 77 percent of average at Shaw Creek Flats, northwest of Delta Junction.

The Chena and Chatanika Basins are both 90 percent of average. The Lower Tanana Valley has moved up to 100 percent of normal.

In the Upper Tanana Valley, the Mentasta Pass snow course is 131 percent of average, the Tok snow course is 134 percent of average snow water content and the Beaver Creek snow course in the Yukon is 141 percent of normal. In contrast the Chisana SNOTEL site is 94 percent of normal.

The forecasted April through July volume flow for the Chena River near Two River is 265 thousand acre-feet, 98 percent of average.

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

Tanana Basin

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
Bonanza Creek	1150	2/29/12	26	5.6	24	4.9	23	4.7
Caribou Creek	1250	2/28/12	23	4.4	30	6.0	24	4.6
Caribou Snow Pillow	900	2/28/12	23	3.8	29	5.4	24	4.5
Chisana	3320	2/28/12	18	3.0	20	3.7	22	3.4
Cleary Summit	2230	2/29/12	29	5.5	36	6.3	29	6.0
Colorado Creek	700	3/02/12	23	4.7	28	4.2	23	4.4
Edgar Creek	2400	No Survey			---	---	27	6.1
Fairbanks FO	450	2/29/12	19	4.0	24	3.4	23	4.1
Faith Creek	1900	2/29/12	24	3.8	30	5.3	27	4.4
Fielding Lake	3000	3/01/12	50	12.0	28	5.0	41	10.2
Fort Greely	1500	2/28/12	21	4.0	16	2.6	18	3.2
French Creek	1800	2/28/12	29	5.1	28	4.7	26	5.9
Gerstle River	1200	2/28/12	19	3.1	14	1.6	19	3.0
Gold King	1700	3/01/12	22	4.3	---	---	21	3.9
Granite Creek	1240	2/29/12	22	4.7	14	2.2	19	3.5
Jatahmund Lake	2180	3/01/12	17	2.7	22	3.8	18	2.9
Kantishna	1550	2/29/12	24	4.7	25	4.6*	28	5.3
Lake Minchumina	730	3/01/12	22	3.3	23	3.7	21	4.0
Little Chena Ridge	2000	2/29/12	15	3.5	---	---	27	5.4
Lost Creek	3030	3/02/12	18	3.5	---	---	26	4.8
Mentasta Pass	2430	3/01/12	32	7.6	27	4.8	26	5.8
Monument Creek	1850	2/29/12	18	3.7	29*	5.1	24	4.7
Mt. Ryan	2800	2/29/12	25	4.2	---	---	30	6.2
Munson Ridge	3100	2/29/12	29	6.3	36*	7.6	36	8.3
Paradise Hill	2200	3/02/12	16	2.7	24	4.7	18	3.0
Ptarmigan Airstrip	2400	3/01/12	29	5.6	---	---	17	3.1
Ptarmigan Creek	2230	2/29/12	21	3.8	26	4.3	17	3.1
Rock Creek Bottom	2250	2/29/12	23	4.5	29	4.2	22	4.2
Rock Creek Ridge	2600	2/29/12	25	5.2	33	5.1	26	4.9
Shaw Creek Flats	980	2/28/12	15	2.4	16	2.5	17	3.1
Teuchet Creek	1640	2/29/12	17	2.8	23	4.4	23	3.8
Tok Junction	1650	3/01/12	23	4.3	22	3.4	19	3.2
Upper Chena Pillow	2850	2/29/12	26	5.1	35	6.9*	30	6.6
Upper Wood River	2990	3/01/12	31	6.5	---	---	27	5.2

*Estimate

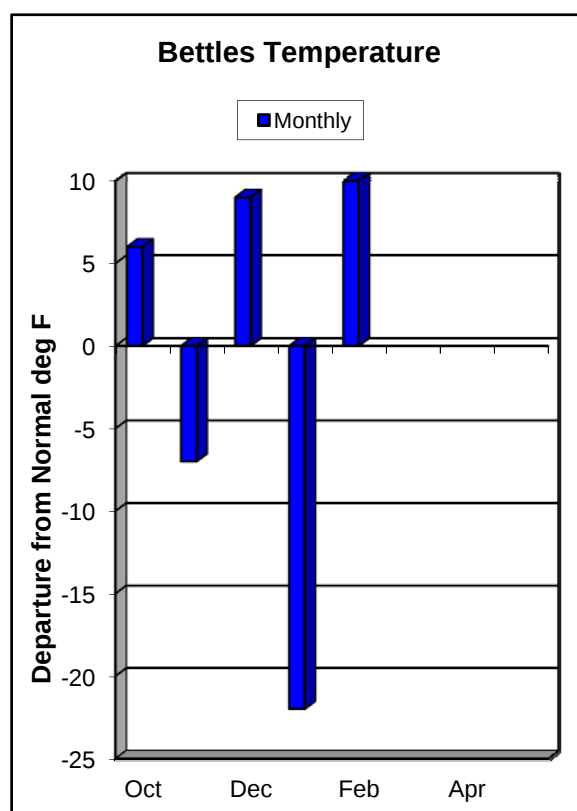
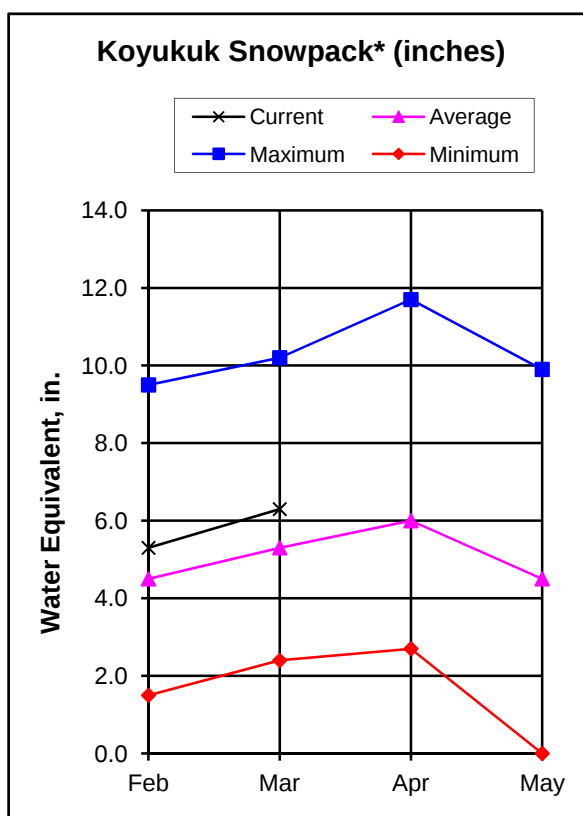
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Tanana River at Fairbanks	Apr- Jul	7100	7530	106	8550	6510
Little Chena River near Fairbanks	Apr-Jul	78	75	96	104	46
Chena River near Two Rivers	Apr-Jul	270	265	98	380	149
Salcha River near Salchaket	Apr- Jul	625	580	93	815	385
Tanana River at Nenana	Apr- Jul	9000	9400	104	10600	8190

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Chatanika	4	76	90
Chena Basin	8	86	90
Lower Tanana Valley	9	105	100
Mid Tanana Valley (Delta Junction)	6	183	121
Upper Tanana Valley (Tok)	8	98	113

WESTERN INTERIOR BASINS*



SNOWCOVER:

Koyukuk

The Coldfoot SNOTEL site has 30 inches of snow depth with 6.0 inches of water content, 100 percent of average. The Bettles SNOTEL site has 33 inches of snow depth with 6.4 inches of water content and is 105 percent of normal. In the Kanuti National Wildlife Refuge, the Minnkokut snow course has 35 inches of snow with 7.2 inches of snow water content; this is 150 percent of last year. Near Galena, the Colville Bend snow course has 30 inches of snow depth with an estimated 6.0 inches of water content. Last year, Colville Bend had 32 inches of depth with 5.7 inches of water content.

Kuskokwim

The Purkeypile Mine snow course near the west side of McKinley National Park has 26 of snow and 5.3 inches of water content, 143 percent of normal. The Kogrukluk River snow course has 53 inches of snow depth with an estimated 10.0 inches of water content.

Lower Yukon

The snow courses in the Innoko Wildlife Refuge range have not been measured to date. The snow courses near Galena are 125 percent of last year.

* For more 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
Koyukuk								
Bettles Field	640	2/29/12	33	6.4	33	7.0	30	6.1
Bonanza Forks	1200	2/29/12	31	7.4*	35	6.8	26	5.1
Cloverleaf	170	2/28/12	35	6.4	32	6.0	---	---
Coldfoot	1040	2/29/12	30	6.0	32	5.9	30	6.0
Colville Bend	170	2/28/12	33	6.2	32	5.7	---	---
Disaster Creek	1550	3/01/12	25	5.0	22	4.1	22	3.6
Huggins Creek	290	3/01/12	36	6.5	37	6.2	---	---
JR Slough	160	2/28/12	38	6.9	32	5.5	---	---
Kaldoyeit	750	3/02/12	32	6.7	26	6.2	---	---
Kanuti-Chalatna	670	3/02/12	32	6.4	35	7.0	---	---
Kanuti-Kilolitna	550	3/02/12	23	5.0	22	5.5	---	---
Lake Todatonten	550	No Survey					27	5.1
Minnkokut	580	3/02/12	35	7.2	30	4.8	---	---
Nolitna	560	3/02/12	29	6.2	30	5.2	---	---
Table Mountain	2200	3/01/12	23*	4.5*	20	4.0	23	4.1
Taiholman	540	3/02/12	9	2.0	18	4.0	4	1.3
Treat Island	190	3/01/12	27	4.9	37	6.2	---	---
Kuskokwim								
Aniak Farm	80	No Report			19	3.6	---	---
Holitna River	257	No Survey			27	5.1	---	---
Holokuk River	367	No Survey			20	3.8	---	---
Johnny Slu	180	3/01/12	30	5.8	18	3.4	---	---
Kogruk	493	3/01/12	53	10.0	33	6.2	---	---
Lake Minchumina	730	3/01/12	22	3.3	23	3.7	21	4.0
Lower Aniak	164	No Survey			21	4.0	---	---
McGrath	340	2/29/12	42*	9.2*	20*	3.9*	30	5.7
Middle Kuskokwim	297	3/01/12	37	6.9	41	7.6	---	---
N. Fork Kuskokwim	512	2/26/12	34	7.0	36	6.8	---	---
Nixon Fork	508	No Survey			34	6.4	---	---
Purkeypile Mine	2025	3/01/12	26	5.3	27	5.3	21	4.2
Telaquana Lake	1550	No Survey			21	3.9	20	4.0
Upper Aniak	781	No Survey			28	5.2		
Upper Twin Lakes	2000	No Report					27	7.0
Lower Yukon								
Deer Creek	190	2/29/12	44	7.8	34	6.0	---	---
Grouch Creek	220	No Survey			43	8.0	40	8.5
Holikachuk	100	No Survey			43	8.8	36	7.8
Horsefly Creek	180	No Survey			35	7.0	28	5.7
Innoko Inn	200	No Survey			24	4.7*	---	---
Little Mud River	855	2/29/12	26	4.8	21	4.0	---	---
Lower Nowitna River	205	2/29/12	24	4.4	23	4.0	---	---
Middle Innoko	150	No Survey			40	8.0	36	7.4
Nine Mile Island	140	2/28/12	45	8.0	38	6.3	---	---
Pike Trap Lake	130	2/29/12	19	3.5	17	3.0	---	---
Squirrel Creek	150	2/28/12	39	7.0	26	5.0	---	---
Tozikaket	600	No Survey					23	4.4
Upper Innoko	180	No Survey			39	7.8	35	7.8
Wapoo Hills	220	No Survey			54	10.0	32	7.0
Yankee Slough	100	No Survey			44	8.0	41	9.4

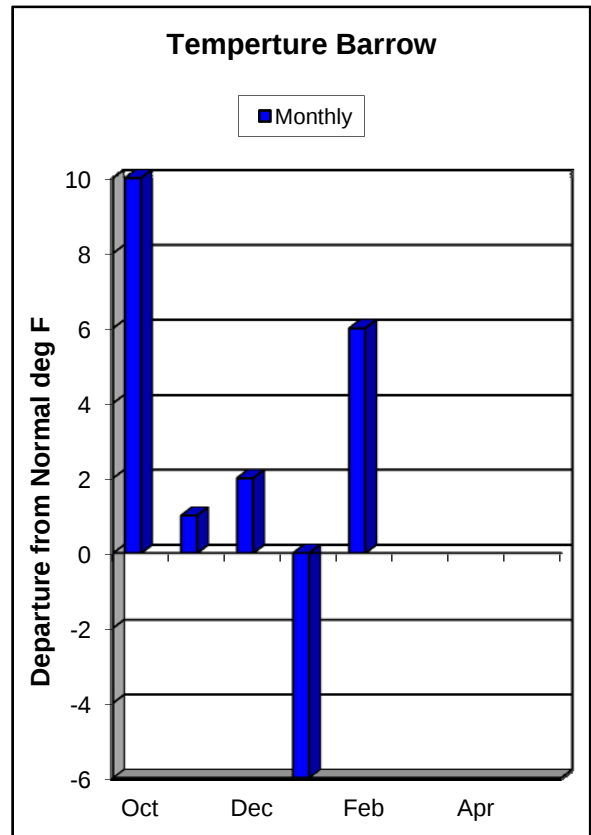
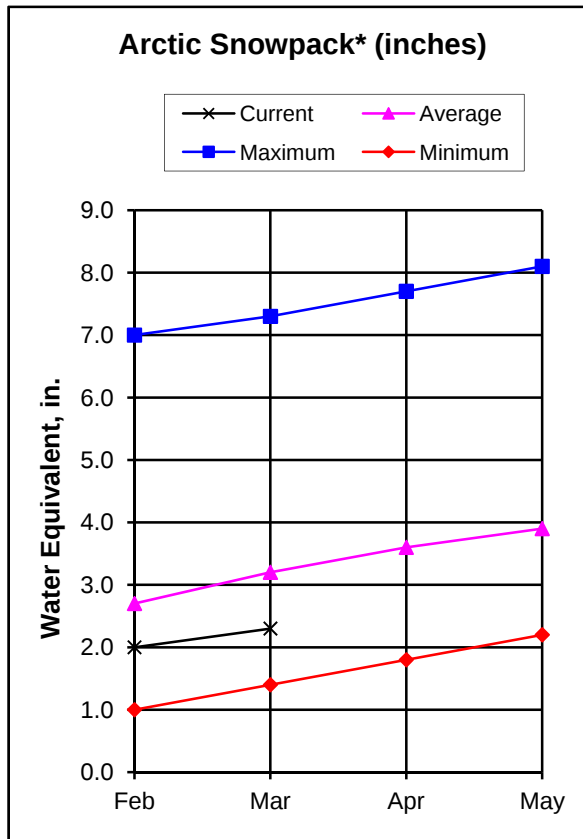
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Kuskokwim River at Crooked Creek	Apr-Jul	10500	12600	120	15500	8900

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Koyukuk	7	110	118
Upper Kuskokwim	3	120	132
Lower Yukon	8	125	130*

ARCTIC AND KOTZEBUE SOUND*



Snowcover:

Arctic

The Atigun Pass SNOTEL site has received 6.3 inches of precipitation since October 1st or 89 percent of average. It has 43 inches of snow on the ground.

The Imnaviat Creek SNOTEL site has recorded 2.5 inches of precipitation this water year which is 74% of average. It has 26 inches of snow on the ground.

Barrow has received 1.6 inches of precipitation since October 1st, 62 percent of average.

Kotzebue

The Kelly Station SNOTEL site at the confluence of the Noatak River and Kelly River is reporting 17 inches of snow depth and 3.5 inches of water content.

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

Arctic and Kotzebue Sound

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Arctic						
Atigun Camp	3400	2/29/12	3.4	3.4	3.5	97
Atigun Pass	4800	2/29/12	6.3	5.3	7.1	89
Barrow	25	2/29/12	1.6	---	2.6	62
Imnaviat Creek	3050	2/29/12	2.5	4.9	3.4	74
Prudhoe Bay	30	No Report		---	3.4	
Sagwon	1000	No Report		---	3.3	
Kotzebue Sound						
Kivalina	50	2/29/12	2.8	5.9	---	---
Red Dog**	950	2/29/12	2.7	5.8	5.6	47

** Wyoming Shielded Gauge

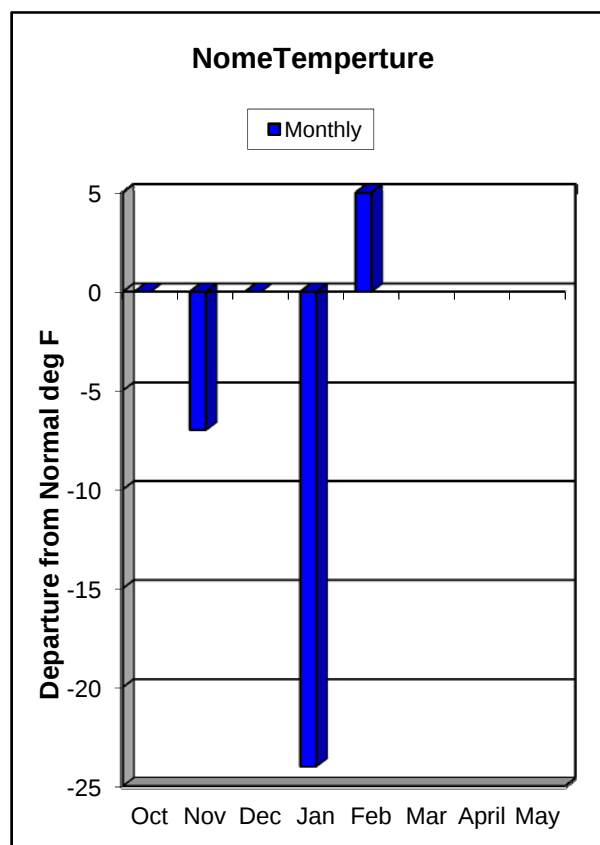
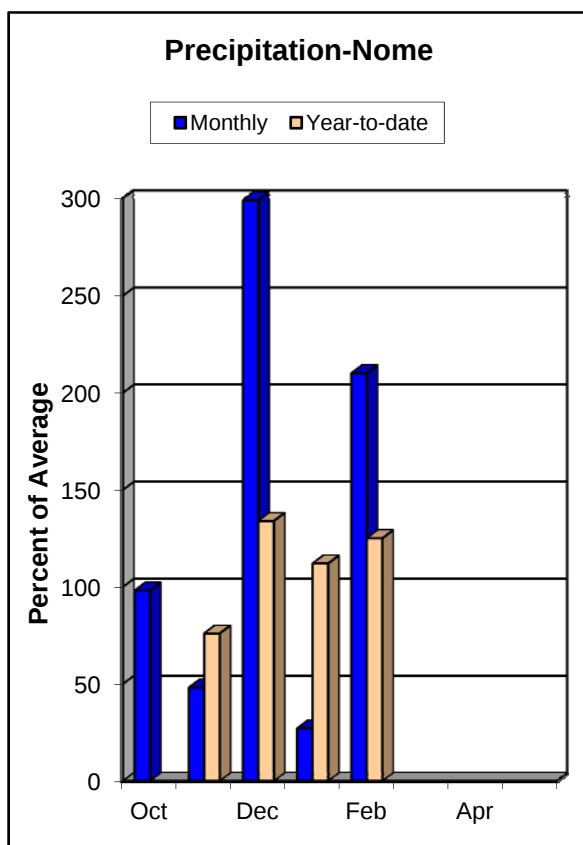
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Sagvanirktok River near Pump Station 3	Apr-Jul	685	725	106	870	580
Kuparuk River near Deadhorse	Apr-Jul	795	805	101	1020	540

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Arctic Coast	1	---	62
Dalton Highway	3	90	87

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*



Snowcover:

Norton Sound

The Pargon Creek SNOTEL site, northeast of Nome has received 4.6 inches of precipitation since October 1st, 89 percent of normal. The Johnson Camp SNOTEL site has 31 inches of snow on the ground.

Southwest Delta

The Aniak SCAN site was measured the 1st of February and had 21 inches and an estimate 4.3 inches.

Bristol Bay

This region has the most snow measured on the ground since 2004; Brooks Camp has 22 inches of snow depth with an estimated 5.5 inches of snow water content.

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

Norton Sound / Southwest Delta / Bristol Bay

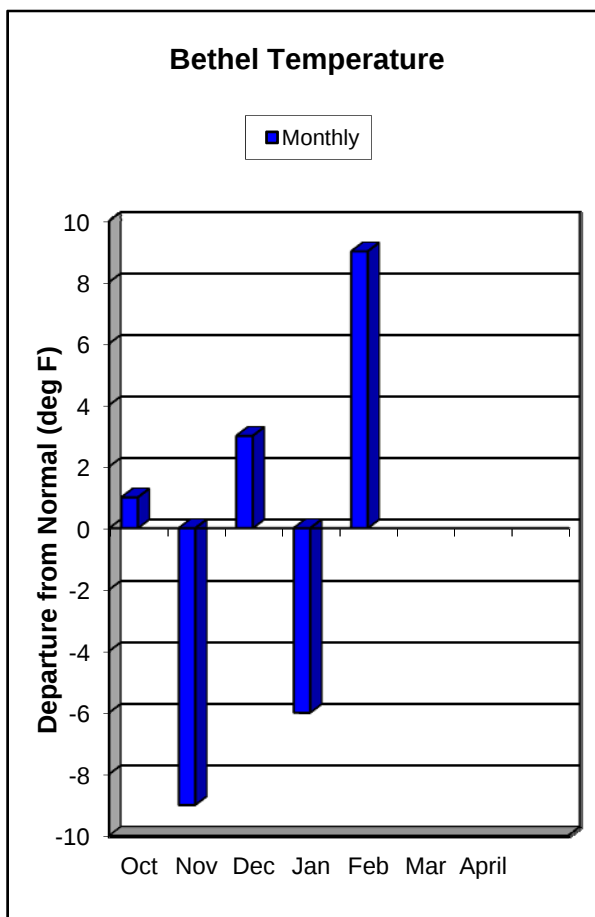
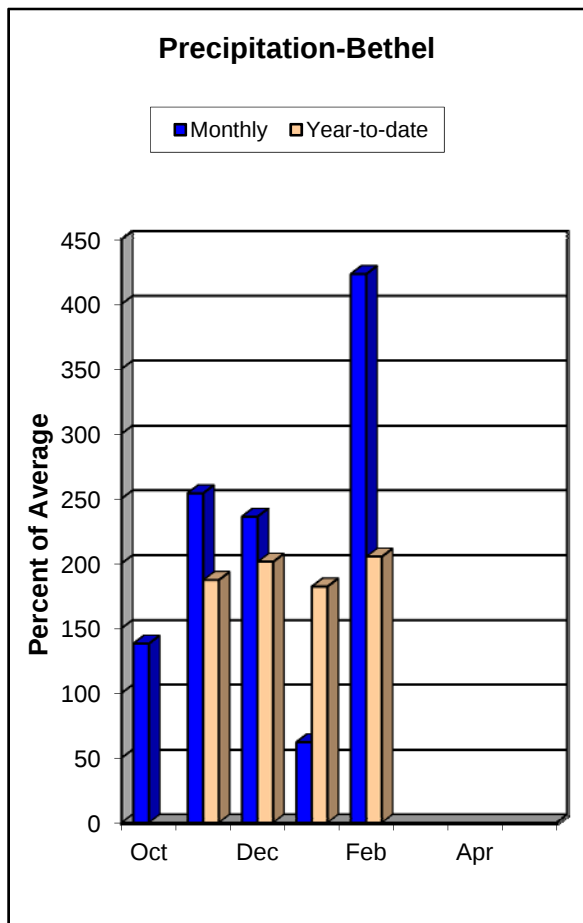
SNOWPACK DATA

SNOW COURSE	ELEV.	DATE	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
Bristol Bay								
Brooks Camp	150	2/28/12	21	5.5	14	2.5	---	---
Fishtrap Lake	1800	No Survey			---	---	40	9.7
Port Alsworth	270	No Survey			19	3.5	15	4.2
Three Forks	1300	2/28/12	26	6.2	8	1.5	---	---
Upper Twin Lakes	2000	No Survey			---	---	27	7.0
Norton Sound								
Johnson's Camp	25	2/29/12	31	6.2*	24	5.2*	---	---
Pargon Creek	100	No Report			36	5.3*	---	---
Rocky Point	500	No Report			22	5.0	---	---

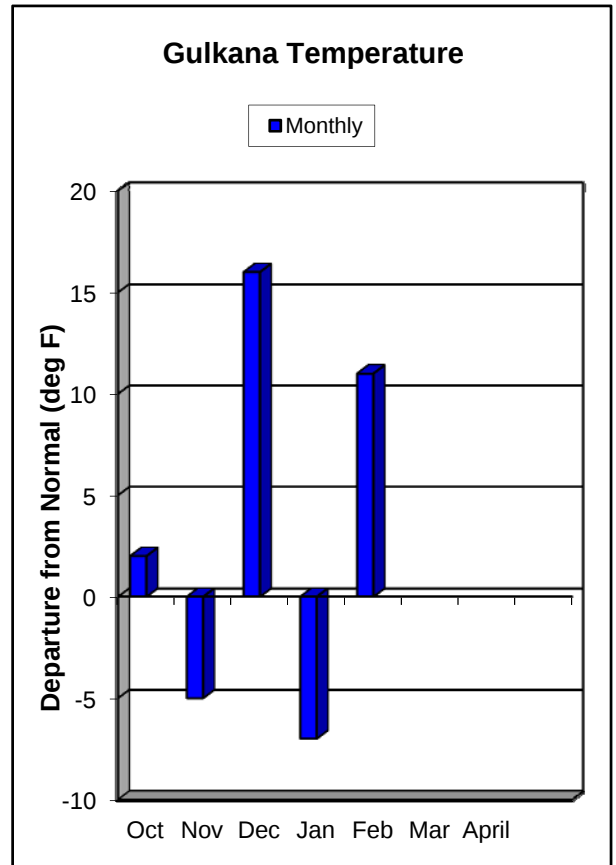
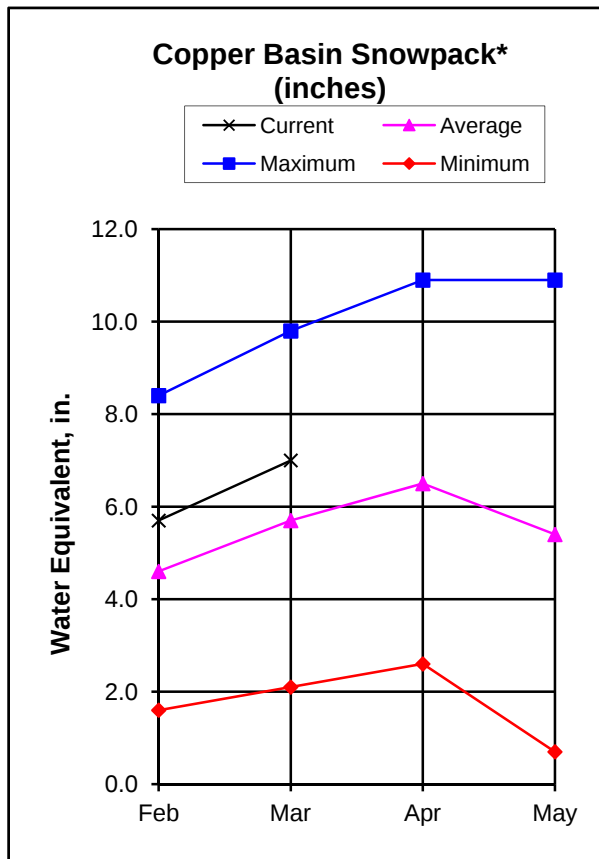
PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Pargon Creek	100	2/28/11		5.6	4.3	
Rocky Point	500	No Report			4.8	



COPPER BASIN*



Snowcover:

The snow water contents for the 5 regions of the basin are above average to much above average.

The 3 sites used to index the Copper Basin on the west side in the Talkeetna Mountains are 154 percent of average. This includes Sheep Mountain at 174%, Horsepasture Pass at 146% and Square Lake at 137% of average.

The six sites measured in Chugach Range are 141 percent of average, with Worthington Glacier snow course having a record snow water content measured for March 1st, 108 inches of snow depth with 37.2 inches of water content. The previous record occurred in 1977 and was 101 inches of snow depth with 34.7 inches of water content. The Upper Tsaina SNOTEL site has 80 inches of snow depth with 23.8 inches of water content, 129 percent of average.

The Alaska Range and the Basin Floor snow course are 127 and 128 percent of normal respectively while the Wrangle Mountains are 124 percent.

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

Copper Basin

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
Chistochina	1950	3/01/12	24	4.9	21	3.0	22	3.5
Chokosna	1550	3/01/12	21	4.9	26	4.9	---	---
Dadina Lake	2160	2/29/12	43	8.0	28	5.2	29	5.1
Fielding Lake	3000	3/01/12	50	12.0	28	5.0	41	10.2
Haggard Creek	2540	3/01/12	29	5.7	27	4.5	27	5.6
Horsepasture Pass	4300	2/29/12	41	8.2	22	4.5	28	5.6
Kenny Lake School	1300	2/28/12	22	4.7	22	3.0	18	3.4
Lake Louise	2400	2/27/12	26	5.2	23	4.1	22	4.0
Little Nelchina	2650	2/27/12	28	6.7	24	4.4	24	4.6
Long Glacier	4820	2/27/12	28	5.9	24	4.2	---	---
May Creek	1610	3/01/12	23	4.4	26	3.8	26	4.4
Mentasta Pass	2430	3/01/12	32	7.6	27	4.8	26	5.8
Monsoon Lake	3100	2/29/12	36	7.8	23	4.0	28	5.6
Mt. Eyak	1405	2/29/12	108	42.9	56	18.1	67	19.6
Notch	2643	2/27/12	18	3.9	16	3.0	---	---
Paxson	2650	3/01/12	36	8.2	26	5.0	31	6.6
Sanford River	2280	2/29/12	29	5.2	28	5.2	28	5.4
St. Anne Lake	1990	2/29/12	34	6.6	25	4.0	25	4.9
Tazlina	1225	2/28/12	22	4.5	24	3.1	20	3.7
Tebay Lake	1930	2/27/12	100	30.0	---	---	---	---
Tolsona Creek	2000	2/28/12	25	5.2	25	4.2	22	3.8
Tsaina River	1650	2/27/12	69	20.0	47	11.8	56	15.7
Twin Lakes	2400	2/29/12	36	6.8	25	4.0	31	5.9
Upper Tsaina River	1750	2/28/12	80	23.8	61	12.7	64	18.5
Worthington Glacier	2100	2/27/12	108	37.2	67	20.3	68	21.6

*Estimate

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
May Creek	1610	2/29/12	4.9	3.9	---	126
Strawberry Reef	50	2/29/12	54.6	41.9	40.8	134
Upper Tsaina River	1750	2/29/12	26.4	16.9	23.4	113

STREAMFLOW FORECASTS

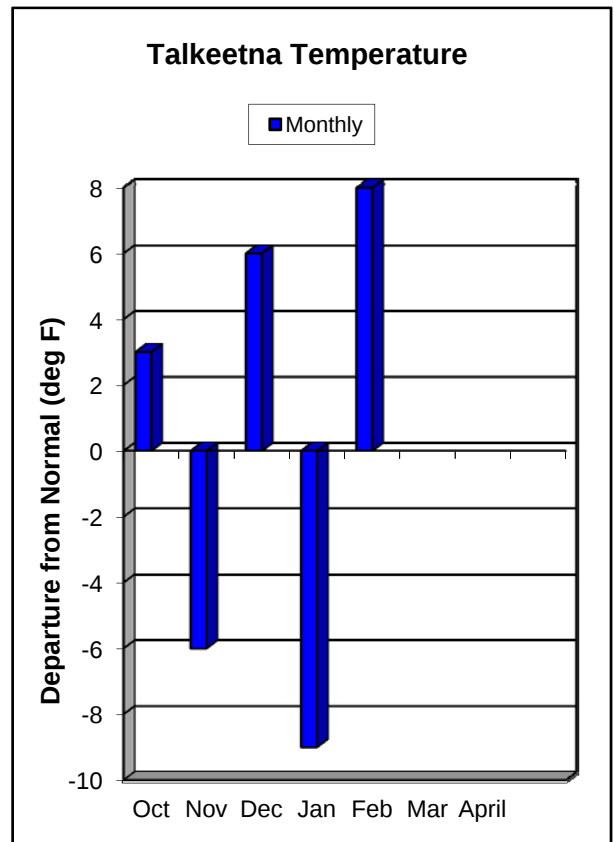
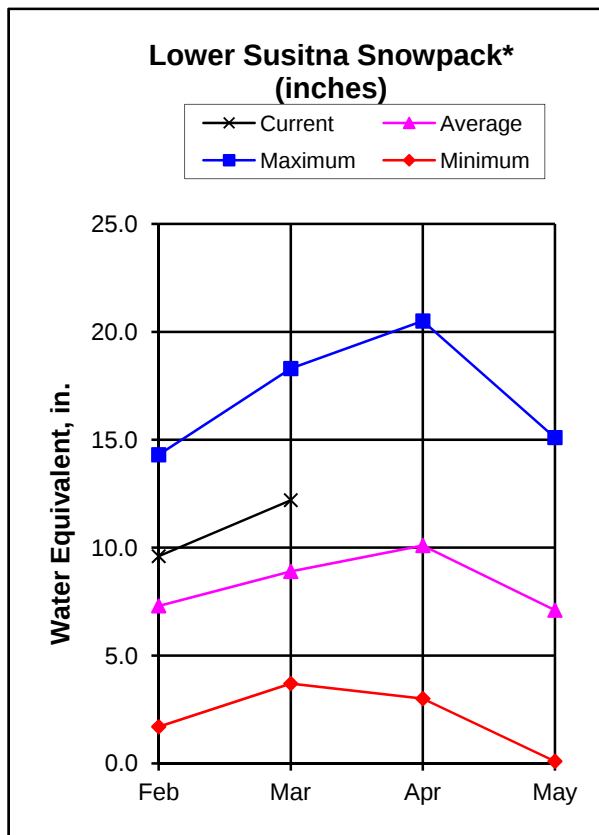
FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Gulkana River at Sourdough	Apr- Jul	475	535	113	700	370

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Alaska Range**	4	189	127
Basin Floor	6	139	128
Chugach Range	6	171	141
Talkeetna Mountains	3	191	154
Wrangell Mountains	4	121	124

**At the foot of the Alaska Range.

MATANUSKA - SUSITNA BASINS*



Snowcover:

The Susitna Basin regions range from above average-117 percent in the Peters Hills, to well above average-136 percent of average in the Little Susitna basin. On the north side of the Peters Hills, the Tokositna Valley SNOTEL site has 67 inches of snow depth with 15.6 inches of water content.

The Fishhook Basin snow course, above the A-Frame, at Hatcher Pass has 75 inches of snow depth with 23.2 inches of water content, 131 percent of average. The Willow Airstrip snow course has the highest percentage of snow water content in the Susitna basin being 164 percent of average.

On the west side, Alexander Lake and Skwentna are 134 and 135 percent of average respectively.

The Little Susitna April through July volume flow forecast is 120,000 acre-ft, 140 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
Alexander Lake	160	2/29/12	62	14.3	45	11.3	43	10.7
Archangel Road	2200	3/01/12	60	17.6	37	7.6	47	13.5
Bentalit Lodge	150	2/29/12	53	11.3	41	9.3	35	8.0
Blueberry Hill	1200	2/29/12	58	15.8	49	13.5	53	13.8
Chelatna Lake	1450	2/28/12	59	13.8	---	---	42	10.0
Clearwater Lake	2650	No Report			22	3.2	26	5.1
Curtis Lake	2850	2/29/12	30	5.5	20	3.5	---	---
Denali View	700	2/29/12	54	13.4	44	11.7	46	11.4
Dunkle Hills	2700	2/28/12	33	7.6	---	---	---	---
Dutch Hills	3100	2/28/12	90	23.8	---	---	76	23.0
E. Fork Chulitna	1800	2/29/12	53	14.0	47	10.8	51	12.7
Eldridge Glacier	3400	No Survey			---	---	---	---
Fishhook Basin	3300	3/01/12	75	23.2	42	10.9	58	17.7
Fog Lakes	2120	2/29/12	31	5.1	27	4.6	26	5.3
Halfway Slough	350	2/29/12	42	9.2	27	6.4	---	---
Independence Mine	3550	3/01/12	85	27.1	48	12.5	66	21.2
Lake Louise	2400	2/27/12	26	5.2	23	4.1	22	4.0
Little Susitna	1700	3/01/12	54	14.5	32	6.3	42	11.6
Monahan Flat	2710	2/29/12	40	8.0*	30	4.5*	34	7.4
Moose Creek Ranch	450	2/27/12	30	7.1	9	2.0	---	---
Nugget Bench	2010	2/28/12	58	14.8	---	---	51	12.9
Ramsdyke Creek	2220	2/28/12	81	23.5	---	---	66	18.9
Sheep Mountain	2900	2/27/12	38	9.5	23	4.7	26	5.4
Skwentna	160	2/29/12	59	14.2	47	12.0	43	10.5
Square Lake	2950	2/29/12	32	5.2	19	3.0*	22	3.8
Susitna Valley High	375	2/29/12	48	10.9	28	6.1	39	8.3
Talkeetna	350	2/29/12	42	9.2	27	6.5	32	7.6
Tokositna Valley	850	2/29/12	67	15.7	52	12.7	67	15.7
Tyone River	2500	No Survey			19	3.2	23	4.4
Upper Oshetna River	3150	2/29/12	36	6.5	24	4.1	---	---
Upper Sanona Creek	3100	2/29/12	39	7.4	24	4.3	29	5.2
Willow Airstrip	200	2/29/12	53	11.3	26	6.0	30	6.9

*Estimate

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Little Susitna River near Palmer	Arp-Jul	86	120	140	146	94
Talkeetna River near Talkeetna	Apr-Jull	1630	1900	117	2180	1620

PRECIPITATION DATA

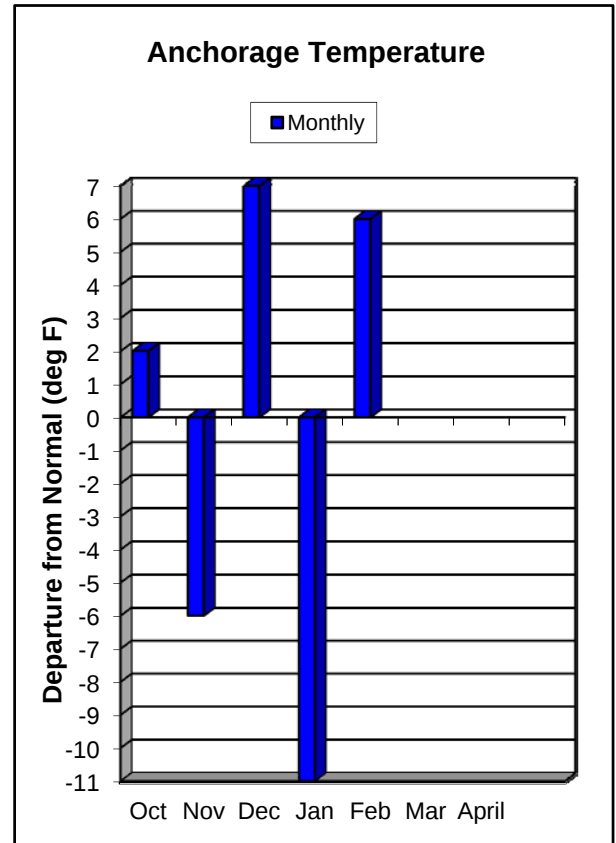
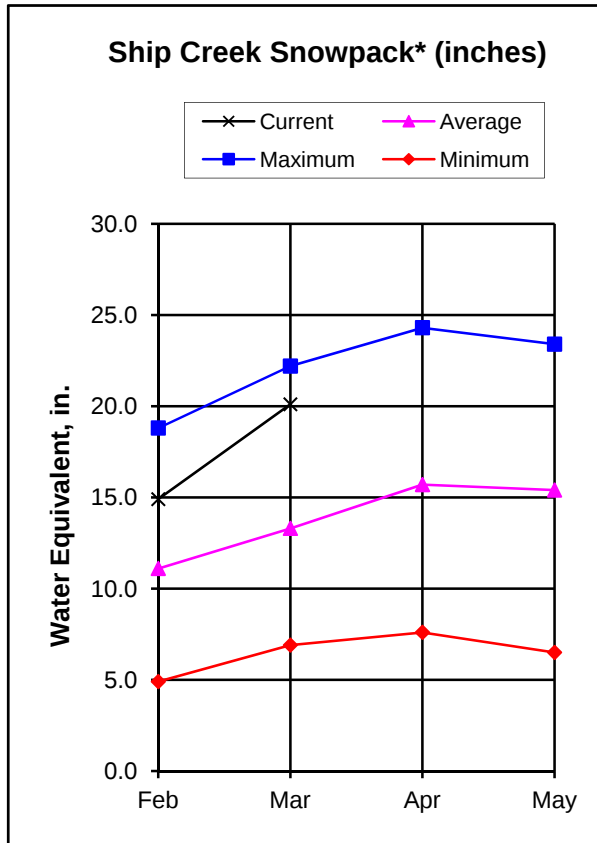
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Independence Mine	3550	2/29/12	19.3	12.6	16.5	117
Monahan Flat	2710	2/29/12	7.3	5.1	7.3	100
Susitna Valley High	375	2/29/12	12.0	9.6	10.3	116
Tokositna Valley	850	2/29/12	20.5	15.7	18.3	112

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Lower Susitna	6	138	134
Matanuska/Little Susitna	6	222	136
Peters Hills	6	121	113
Upper Susitna	9	137	127

NORTHERN COOK INLET*



Snowcover:

The Anchorage Bowl has record snow water contents with the 3 of the 5 Arctic Valley snow courses setting new records for March 1st, they vary for 170 to 210 percent of average. The previous record high year was 1995 with the records beginning in 1964. The Anchorage Hillside SNOTEL site has 64 inches of snow depth with 16.5 inches of water content, 185 percent of average.

On the west side of Cook Inlet, near Tyonek, the Congahbuna Lake snow course has 63 inches of snow depth with an estimated 15.2 inches of water content, 171 percent of normal. In contrast at higher elevation the Chuitna Plateau snow course is 88 percent of average. At the southeast end of Turnagain Arm, the Portage Valley snow course has 96 inches of snow with 32.0 inches of water content, 248 percent of average. This is a record high snow water content with 28.0 inches being the previous record in 2000.

The Snowmelt Runoff Index for Glacier Creek near Girdwood is a +3 and off the chart.

The April-July volume flow forecast for Ship Creek near Anchorage is 81,000 acre-ft, 140 percent of average.

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

Northern Cook Inlet

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
Anchorage Hillside	2080	2/29/12	64	16.5	29	6.2	35	8.9
Arctic Ski Bowl	3000	3/01/12	69	25.0	37	10.8	38	11.9
Arctic Valley #1	500	3/01/12	33	7.3	15	3.4	17	3.9
Arctic Valley #2	1000	3/01/12	39	9.5	18	3.1	20	4.6
Arctic Valley #3	1450	3/01/12	46	12.4	26	5.2	28	6.9
Arctic Valley #4	2130	3/01/12	45	11.7	25	5.4	27	6.9
Chuitna Plateau	1540	2/29/12	64	20.0	51	17.8	68	24.6
Congahbuna Lake	500	2/29/12	63	15.2	40	10.4	32	8.9
Granite Point	250	2/29/12	40	9.5	17	4.2	22	5.6
Indian Pass	2350	2/29/12	90	28.5	51	15.4	64	19.8
Kincaid Park	250	3/01/12	35	7.9	18	3.8	17	4.0
Lone Ridge	1675	2/29/12	86	27.0	67	23.8	79	28.8
Moraine	2100	2/29/12	45	10.1	24	5.3	27	6.6
Mt. Alyeska	1540	2/29/12	111	32.6	65	17.7	92	29.7
Point Mackenzie	200	2/29/12	36	7.6	19	4.1	19	4.0
Portage Valley	50	2/29/12	96	32.0	25	8.5	39	12.9
South Campbell Creek	1200	2/28/12	35	8.2	22	5.5	26	6.2

*Estimate

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Ship Creek near Anchorage	Apr- Jul	58	81	140	95	67

PRECIPITATION DATA

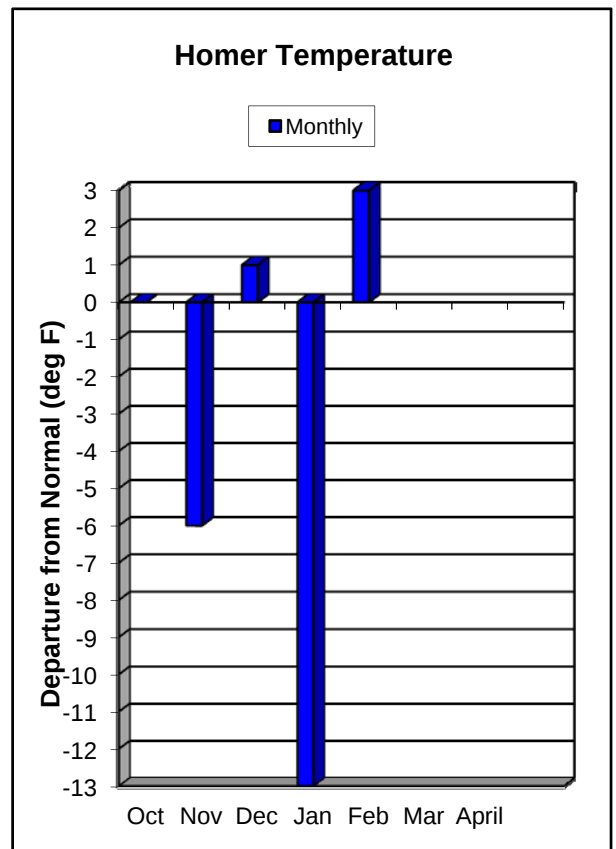
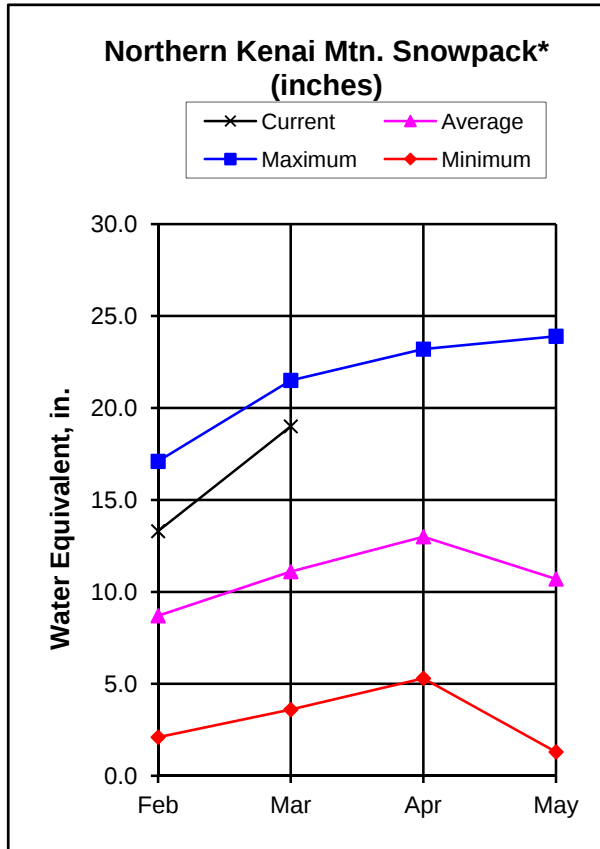
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Anchorage Hillside	2080	2/29/12	20.6	10.4	11.6	178
Indian Pass	2350	2/29/12	31.6	19.9	21.1	150
Moraine	2100	2/29/12	15.3	9.0	8.5	180
Mt. Alyeska	1540	2/29/12	43.1	37.3	37.5	115
Point Mackenzie	200	2/29/12	10.3	5.9	6.9	149

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Beluga	4	128	108
Campbell Creek	3	204	168
Ship Creek	8	221	176
Turnagain Arm	3	222	146

KENAI PENINSULA*



Snowcover:

The Northern Kenai Mountains received abundant snow in February with Turnagain Pass SNOTEL site receiving 11.7 inches of water content. Currently with 39.4 inches of water content, it is now 138 percent of average. The lower elevation snow course Moose Pass has a near record water content for March 1st, 15.6 inches. The record being 16.0 inches of water content set in 1980.

The 5 snow courses in the Ninichik Dome area are 162 percent of average with Demonstration Forest having 15.2 inches of water content 197 percent of average. This is a record high with the previous record being 13.7 inches of water content in 1980.

Across Kachemak Bay at Port Graham, the SNOTEL site is reporting 61 inches of snow depth with 16.8 inches of water content, 2001 had more snow with 64 inches of depth and 19.9 inches of water content.

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

Kenai Peninsula

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
Anchor River Divide	1650	2/28/12	64	17.9	36	8.4	40	10.3
Bertha Creek	950	3/01/12	109	22.8	43	11.9	51	14.7
Bridge Creek	1300	3/01/12	54	15.1	29	7.2	38	10.2
Cooper Lake	1200	2/29/12	71	20.8	45	11.2	50	14.8
Demonstration Forest	780	3/01/12	56	15.2	21	5.6	28	7.7
Eagle Lake	1400	3/01/12	63	16.2	30	6.6	38	10.7
Grandview	1100	2/29/12	102	30.4	66	18.4	70	21.7
Grouse Creek Divide	700	2/29/12	89	25.0	41	11.6	55	16.7
Jean Lake	620	3/01/12	38	7.0	18	5.0	17	3.8
Kachemak Creek	1660	2/29/12	56	16.5*	34	9.5*	48	12.8
Kenai Moose Pens	300	2/29/12	32	6.5*	20	4.5	17	3.8
Kenai Summit	1390	3/01/12	65	18.7	44	10.5	44	12.3
McNeil Canyon	1320	2/29/12	57	15.7	27	7.8	36	8.9
Moose Pass	700	3/01/12	58	15.6	16	4.8	22	6.3
Nuka Glacier	1250	2/29/12	119	32.0*	44	11.0*	69	26.9
Port Graham	300	2/29/12	61	16.8	12	3.3*	16	4.9
Snug Harbor Road	500	3/01/12	36	9.1	16	4.4	20	5.1
Summit Creek	1400	3/01/12	63	16.8	37	8.9	38	10.5
Turnagain Pass	1880	2/29/12	126	39.4	84	20.8	92	29.2

*Estimate

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Kenai River at Cooper Landing	Apr-Jul	925	1180	128	1380	1120

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Anchor River Divide	1650	2/28/12	17.0	14.9	16.1	106
Cooper Lake	1200	2/29/12	27.8	21.1	20.7	132
Grandview	1100	2/29/12	43.9	39.5	33.1	133
Grouse Creek Divide	700	2/29/12	38.7	29.4	30.6	132
Kachemak Creek	1660	2/29/12	38.0	31.2	34.5	110
Kenai Moose Pens	300	2/29/12	9.2	6.5	7.3	126
McNeil Canyon	1320	2/29/12	15.5	13.6	13.6	114
Middle Fork Bradley**	2300	2/29/12	33.0	23.9	30.6	108
Nuka Glacier**	1250	2/29/12	47.4	39.5	48.1	98
Port Graham	300	2/29/12	45.4	33.4	35.1	129
Summit Creek	1400	2/29/12	24.2	14.0	14.3	169
Turnagain Pass	1880	2/29/12	41.9	34.5	34.0	123

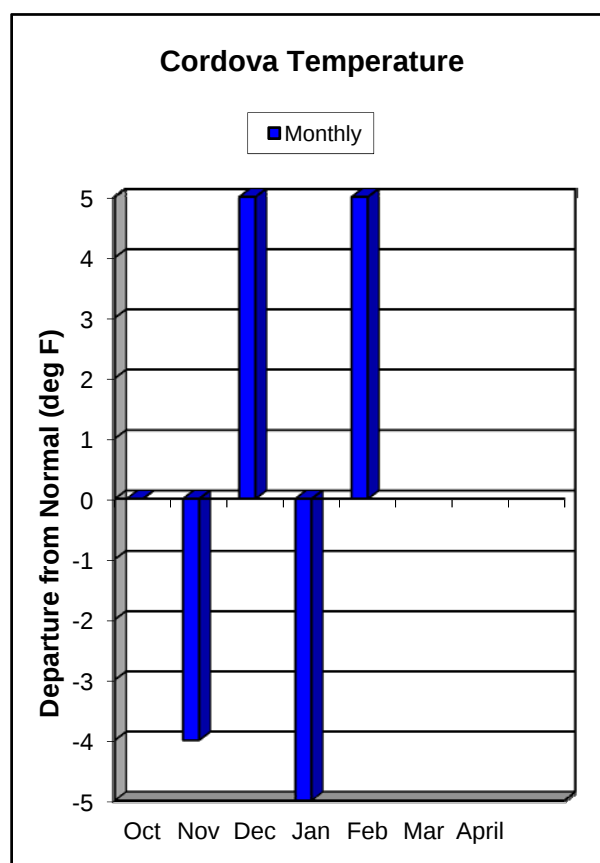
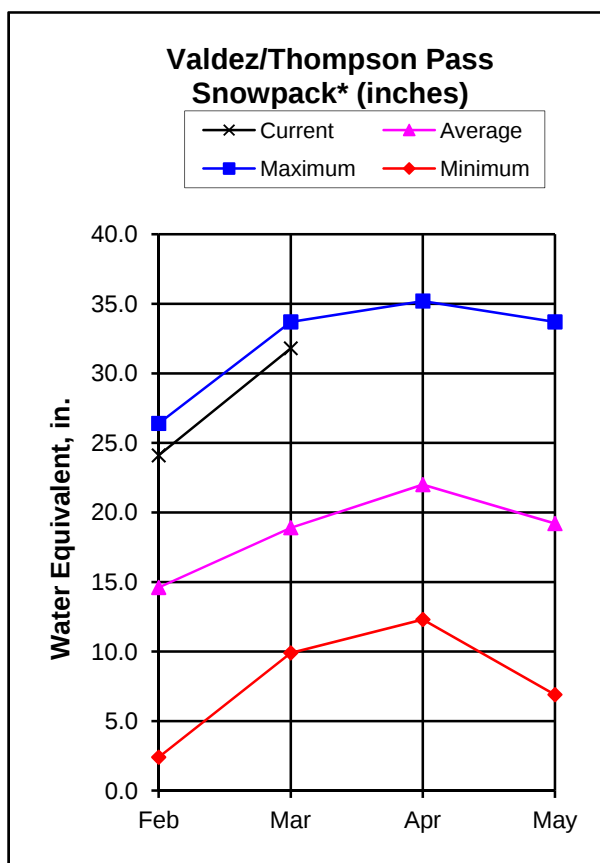
*Estimate

**Wyoming Shielded gauge

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Bradley Lake/Southern Kenai	3	274	146
Ninilchik Dome	5	223	162
Northern Kenai Flats	1	133	161
Northern Kenai Mountains	10	191	153

WESTERN GULF*



Snowcover:

The SNOTEL site at Mt. Eyak is a record, reporting 108 inches of snow depth and 42.9 inches of snow water content, 219 percent of average.

Sugarloaf Mountain SNOTEL site, perched above the Solomon Gulch Hydroelectric across from the town of Valdez at 550 ft of elevation, reported 120 inches of snow depth and an estimated 40.2 inches of water content, 173% of average.

The Esther Island precipitation gauge received 22.2 inches of precipitation in February, 92.2 inches of precipitation since October 1st 128% of average

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

Western Gulf

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
Exit Glacier	400	2/29/12	84	24.6	42	12.1	53	13.7
Grouse Creek Divide	700	2/29/12	89	25.0	41	11.6	55	16.7
Lowe River	600	2/27/12	79	24.0	44	10.5	53	15.1
Mt. Eyak	1405	2/29/12	108	42.9*	56	18.1	67	19.6
Nuka Glacier	1250	2/29/12	119	32.0*	44	11.0*	69	26.9
Sugarloaf Mountain	550	2/29/12	120	40.2*	57	17.3*	79	23.3
Tsaina River	1650	2/27/12	69	20.0	47	11.8	56	15.7
Upper Tsaina River	1750	2/29/12	80	23.8	61	13.0	64	18.5
Valdez	50	2/27/12	89	26.0	39	8.8	51	15.5
Worthington Glacier	2100	2/27/12	108	37.2	67	20.3	68	21.6

*Estimate

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Esther Island	50	2/29/12	92.2	75.0	71.5	129
Grouse Creek Divide	700	2/28/11	38.7	29.4	30.6	126
Mt. Eyak	1405	2/29/12	73.3	59.8	58.9	124
Nuka Glacier**	1250	2/29/12	47.4	39.5	48.1	98
Port San Juan	50	2/29/12	76.6	65.5	66.0	116
Seal Island	20	2/29/12	---	---	35.3	---
Strawberry Reef	50	2/29/12	54.6	41.9	40.8	134
Sugarloaf Mountain	550	2/29/12	53.0	33.6	35.5	149
Tatitlek	50	2/29/12	48.9	38.6	33.6	146
Upper Tsaina River	1750	2/29/12	26.4	16.9	23.4	113

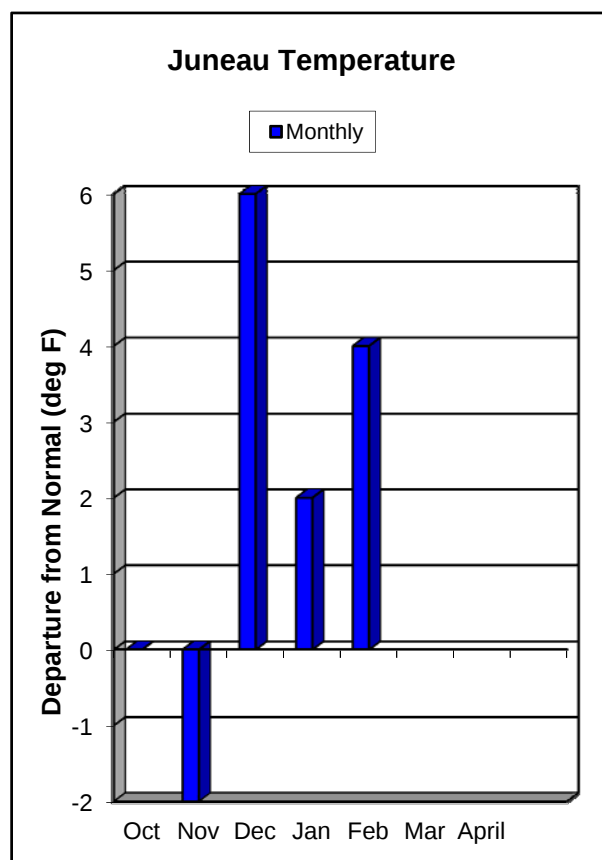
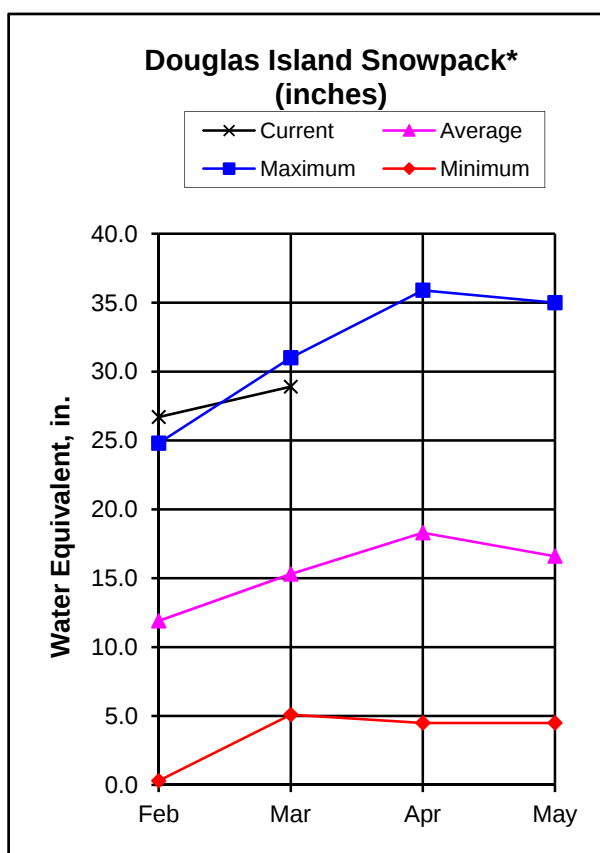
**Wyoming Shielded Gauge

*Estimate

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Lowe River (Valdez)	5	224	179
Eyak Lake	1	242	219

Southeast



Snowcover:

Southeast Alaska continued its winter long snow accumulation period and has much above average snow water content with record amounts of snow water contents at 1 snow course. For the two Petersburg snow courses; Petersburg Ridge has the second highest water content of 46.1 with the 2007 year being the peak having 52.8 inches of water content. Petersburg Reservoir has the second highest for snow water content March 1st with 17.2 inches, with the record set in 2007 of 18.5.

One of the three Douglas Island snow courses has record water contents, Eagle Crest. The Eagle Crest snow course has 114 inches of snow depth with 34.4 inches of water content, the previous record also being in 2007 with 26.6 inches of water content. The record began in 1977.

The Speel River snow course has 110 inches of snow depth with 36.8 inches of water content, 137 percent of average.

* For more 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	2/27/12	144	41.2*	79	25.5	70	23.9
Eagle Crest	1200	2/27/12	114	34.4	57	17.7	48	16.1
Fish Creek	500	2/27/12	37	11.2	13	3.6	20	6.0
Institute Creek	1350	3/01/12	96	33.2	52	18.0	---	---
Long Lake	820	2/28/12	134	42.8	76	25.3	92	34.1
Moore Creek Bridge	2250	3/01/12	67	20.8	50	13.0	52	17.0
Petersburg Reservoir	550	2/29/12	55	17.2	33	8.3	18	5.8
Petersburg Ridge	1650	2/28/12	130	46.1	64	20.1	65	21.8
Rainbow Falls	500	3/01/12	16	4.1	11	3.1	---	---
Speel River	280	2/27/12	110	36.8	61	16.4	75	26.8
West Creek	470	2/28/12	44	12.5	18	4.3	---	---

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	43	130	52	34

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Long Lake	820	2/28/12	95.7	87.1	85.9	111
Moore Creek Bridge	2250	2/29/12	27.3	26.3	23.9	114
Snettisham	25	No Report		92.9	95.2	---
Swan Lake	50	No Report			77.8	---

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Douglas Island	3	214	189
Petersburg	2	223	229
Skagway	2	192	122
Snettisham	2	188	129

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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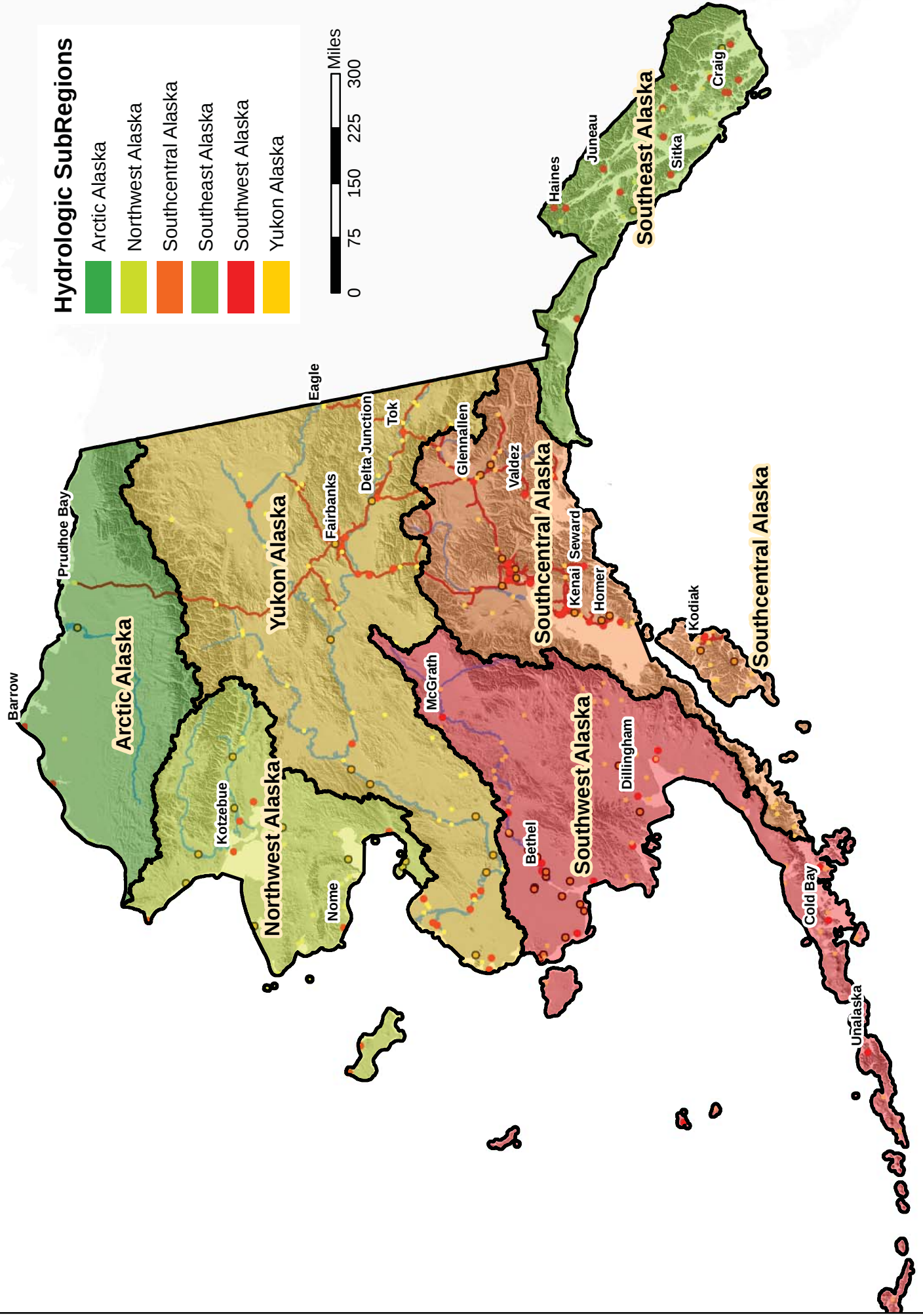
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Hydrologic SubRegions



Alaska Snow Survey Report

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