

United States Department of Agriculture



ALASKA SNOW SURVEY REPORT



March **1, 2009**

The Following Organizations Cooperate With the Natural Resources Conservation Service in Snow Survey Work:

Federal

Department of Agriculture

Forest Service

Chugach National Forest

Tongass National Forest

Department of Commerce

NOAA, Alaska Pacific RFC

Climate Monitoring and Diagnostics
Laboratory

Department of Defense

U.S. Army Corps of Engineers

U.S. Army Cold Regions Research and
Engineers Laboratory

Department of Interior

Bureau of Land Management

Geological Survey

Fish and Wildlife Service

National Park Service

Alaska State

Department of Fish and Game

Department of Transportation and Public Facilities

Department of Natural Resources

Division of Parks

Division of Mining and Water

Division of Forestry

Alaska Energy Authority

Alaska Railroad

Soil and Water Conservation Districts

Homer SWCD

Palmer SWCD

University of Alaska

Agriculture & Forestry Experiment Station

Geophysical Institute

Water & Environmental Research

Reindeer Research Program

Institute of Arctic Biology LTER

Municipalities

Anchorage

Juneau

Private

Alaska Electric, Light and Power, Juneau

Alyeska Resort, Inc.

Alyeska Pipeline Service Company

Anchorage Municipal Light and Power

Chugach Electric Association

Copper Valley Electric Association

Homer Electric Association

Ketchikan Public Utilities

Price William Sound Science Center

Alaska Public Schools

Mantanuska-Susitna Borough School District

Canada

Ministry of the Environment

British Columbia

Department of the Environment

Government of the Yukon

The U. S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audio tape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C., 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

United States Department of Agriculture



Issued by:

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

Released by

Robert Jones
State Conservationist
Natural Resources Conservation Service
Palmer, Alaska

Published by:

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

TABLE OF CONTENTS

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

GENERAL OVERVIEW

Snowpack

Two regions of the state, Western Alaska and Southeast, have well above average snowpack conditions as of March 1st with snow water contents above 130% of average.

Western Alaska, including the Seward Peninsula, received significant snowfall in February, and is now in the 130-150% of normal range. This is the 2nd straight year of well above average conditions for the Seward Peninsula.

Southeast Alaska continued with its 3rd big snow year in a row. The Petersburg area is 152% of average and Douglas Island near Juneau, is 144% of average.

The Yukon Flats and the headwaters of the Tanana, both appear to be greater than 110% of normal, as indicated by the Fort Yukon and Chisana SNOTEL sites.

The entire Kenai Peninsula is below average and ranges from 57-97%. The lower elevation sites, such as Kenai Moose Pens, are in the near normal range whereas the higher elevations are well below average. The Nuka Glacier SNOTEL site south of Homer is less than 50% of normal.

Precipitation

Western Alaska received significant precipitation during the month of February. Bethel, Nome and Kotzebue all received well above normal precipitation. This wet weather extended east through a good portion of the state to the towns of McGrath, Fairbanks and Coldfoot. Since this part of the state received most of the storms, the rest of the state received normal to below normal precipitation. The Kenai Peninsula continued its winter long trend of receiving relatively little precipitation by avoiding the major storm systems.

Temperature

Air temperatures in Alaska for the month of February started out cold for the first 5 days and were followed by near normal for the rest of the month. The coastal areas of Southeast and much of South Central including Homer, Anchorage and Talkeetna experienced temperatures on average 1 degree F below normal for the month. Yakutat experienced temperatures 4 degrees F below normal.

The west coast and north central part of the state experienced warmer than average temperatures in February. Bethel was 5 degrees F above normal for the month, Fairbanks was 3 degrees F above normal, and both McGrath and Fort Yukon were 6 degrees F above normal.

STREAMFLOW

Streamflow forecasts of snowmelt runoff are as follows:

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	113	April - July
Porcupine River nr Int'l Boundary.....	95	
Yukon River near Stevens Village.....	110	April - July
Tanana River at Fairbanks.....	106	April - July
Tanana River at Nenana.....	100	April - July
Little Chena River near Fairbanks.....	85	April - July
Chena River near Two Rivers	94	April - July
Salcha near Salchaket.....	85	April - July
Sagvanirktok River near Pump Station 3	121	April - July
Kuparuk River near Deadhorse.....	119	April - July
Kuskokwim River at Crooked Creek	118	April - June
Gulkana River at Sourdough.....	94	April - July
Little Susitna River near Palmer.....	95	April - July
Talkeetna River near Talkeetna.....	90	April - July
Ship Creek near Anchorage.....	100	April - July
Kenai River at Cooper Landing	97	April - July
Gold Creek near Juneau	112	April - July

SNOWMELT RUNOFF INDEX (SRI)

For streams that no longer have stream gauging stations.

FORECAST POINT	INDEX	Index	Key:
Koyukuk River at Hughes	+1.4		
MF Koyukuk R near Wiseman	+2.0		
Slate Creek at Coldfoot.....	+2.2		
Beaver Creek above Victoria Creek.....	-1.5	-2 to -3	much below average snowmelt runoff
Birch Creek below South Fork	+0.2		
Caribou Creek at Chatanika	-0.9		
Susitna River near Gold Creek	-0.1		
Chulitna River near Talkeetna	-1.2	-1 to -2	below average snowmelt runoff
Deshka River at mouth near Willow	+1.2		
Montana Creek at Parks Highway	+0.8		
Willow Creek near Willow	-0.2	-1 to +1	average snowmelt runoff
Skwentna River at Skwentna.....	+0.6		
Chuitna River near Tyonek.....	+0.6		
Campbell Creek near Spenard	-1.6	+1 to +2	above average snowmelt runoff
Indian Creek at Indian	-1.8		
Bird Creek at Bird Creek.....	-1.8		
Glacier Creek nr Girdwood	+0.9	+2 to +3	much above average snowmelt runoff
Six Mile Creek near Hope.....	-2.0		
Resurrection Creek near Hope	-2.5		
Grouse Ck at Grouse Lake Outlet nr Seward	-1.6		
Anchor River near Anchor Point	-2.3		
Deep Creek near Ninilchik	-2.4		
Ninilchik River near Ninilchik.....	-2.3		
Fritz Creek near Homer	-2.2		
Skagway River at Skagway	+2.7		
Municipal Watershed C nr Petersburg	+1.8		

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

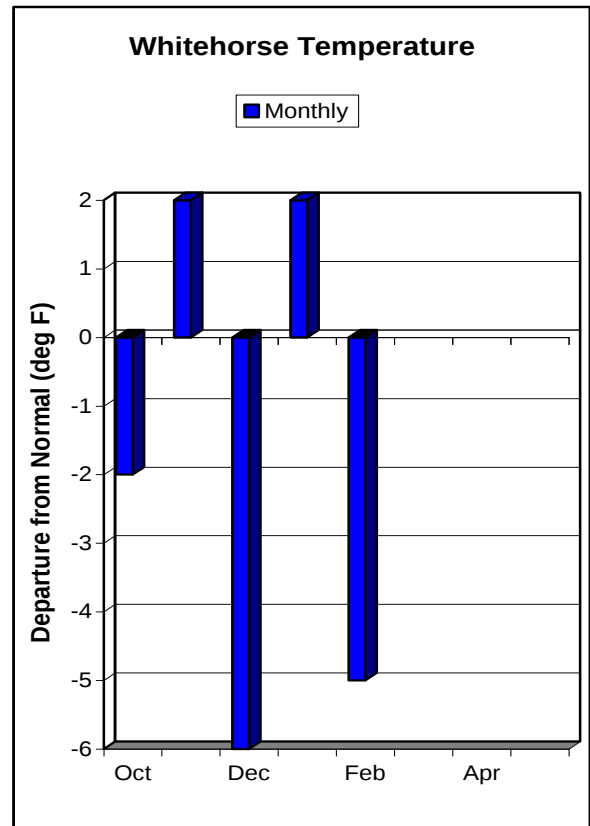
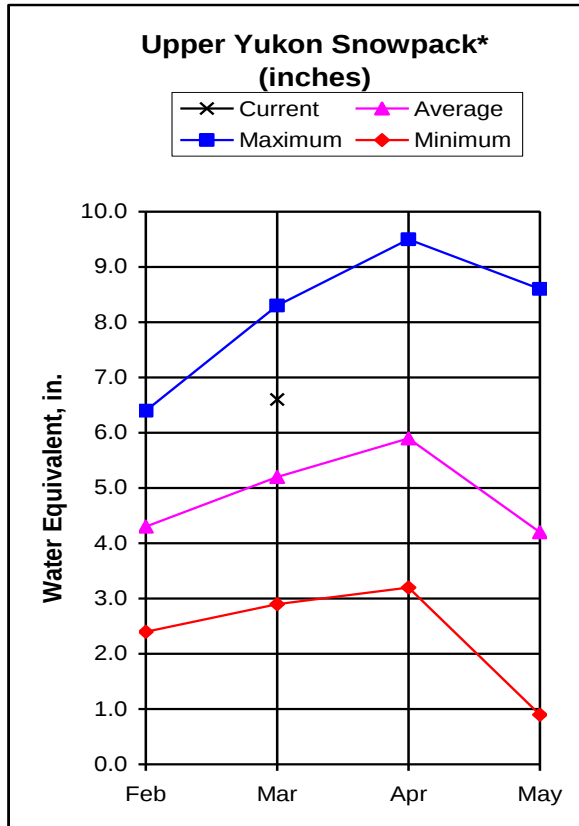
HOW FORECASTS ARE MADE

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 normal with the exception of the area around Dawson which is 89% of normal. Six record high snow water contents were measured March 1st at Whitehorse Airport, Jordan Lake, Williams Creek, Hoole River, Finlayson Airstrip and Rose Creek.

The Whitehorse Airport snow course measured 6.6 inches of water content; the previous record was 6.1 inches recorded March 1st, 2005. The record began in 1965.

The Jordan Lake snow course has 7.7 inches of water content; the previous record was 7.4 inches measured on March 1st, 1992.

The Williams Creek snow course water content is 5.3 inches; the previous record was 4.3 inches recorded March 1st, 2004.

The Hoole River snow course water content is 7.9 inches; the previous record was 6.4 inches measured on March 1st, 1991 and 2005. The record began in 1977.

The Finlayson Airstrip snow course water content is 5.7 inches; the previous record of 5.2 inches was measured March 1st, 1990.

The Rose Creek snow course water content is 5.2 inches; the previous record of 4.8 inches was measured March 1st, 1985.

The Yukon River volume flow forecast for the April through July time period is 38,700,000 acre-feet of water and is 113% 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 Report			---	---	32	6.6
Atlin	2400	3/01/09	24	5.6	20	3.7	21	4.4
Beaver Creek	2150	2/24/09	26	3.9	15	2.4	17	2.9
Burns Lake	3650	2/25/09	44	9.4	45	9.9	33	7.4
Burwash Airstrip	2660	2/26/09	10	1.2	8	1.2	10	1.6
Calumet	4300	2/24/09	34	6.3	25	4.1	33	6.7
Casino Creek	3500	2/24/09	29	4.9	26	4.8	24	4.0
Chair Mountain	3500	No Survey			---	---	19	3.3
Duke River	4800	2/24/09	21	4.6	18	3.2	21	3.7
Edwards Lake	2720	2/27/09	31	6.1	24	4.2	29	5.9
Finlayson Airstrip	3240	2/25/09	30	5.7	29	5.1	26	4.5
Fuller Lake	3700	2/27/09	34	6.7	34	6.8	29	6.0
Grizzly Creek	4000	2/26/09	28	5.1	20	3.2	22	4.1
Hoole River	3560	2/25/09	41	7.9	31	5.8	23	4.6
Jordan Lake	3050	2/25/09	35	7.7	33	7.0	24	4.7
King Solomon Dome	3550	2/25/09	28	5.2	26	3.9	29	5.9
Log Cabin (B.C.)	2880	2/25/09	59	17.9	46	11.6	47	12.8
Mayo Airport	1620	2/24/09	20	4.1	18	2.6	18	3.1
MacIntosh	3800	2/24/09	24	3.4	28	4.4	19	3.6
Meadow Creek	4050	2/25/09	53	12.2	---	---	38	9.0
Midnight Dome	2800	2/25/09	26	5.0	21	3.3	27	5.3
Montana Mountain	3340	2/25/09	31	6.4	24	5.5	24	5.1
Morley Lake	2700	No Report			30	6.6	24	5.3
Mount Nansen	3250	2/24/09	20	2.7	22	2.8	16	2.6
Mt. Berdoe	3390	2/23/09	30	3.6	25	5.4	21	3.7
Mt. McIntyre B	3700	3/02/09	35	7.6	25	4.8	26	5.2
Pelly Farm	1550	No Report			17	3.0	17	3.0
Plata Airstrip	2500	2/27/09	29	6.1	28	4.8	30	6.4
Rackla Lake	3410	2/27/09	33	6.7	24	3.6	33	7.0
Russell Lake	3480	2/27/09	39	8.1	34	6.6	36	7.0
Satasha Lake	3620	2/24/09	26	3.6	25	3.1	21	3.8
Tagish	3540	2/24/09	31	7.2	29	6.3	24	4.8
Twin Creeks	2950	2/27/09	39	8.5	37	6.9	31	6.6
White River	2500	No Survey			---	---	15	2.4
Whitehorse Airport	2300	3/02/09	30	6.6	18	3.4	18	3.5
Williams Creek	2800	2/24/09	26	5.3	24	3.5	18	3.0
Withers Lake	3200	2/27/09	35	8.4	27	4.6	36	8.2

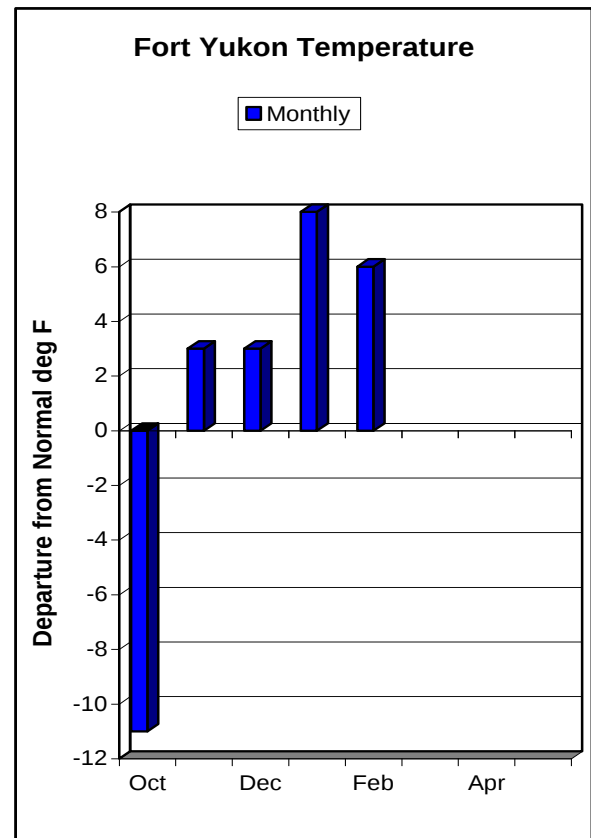
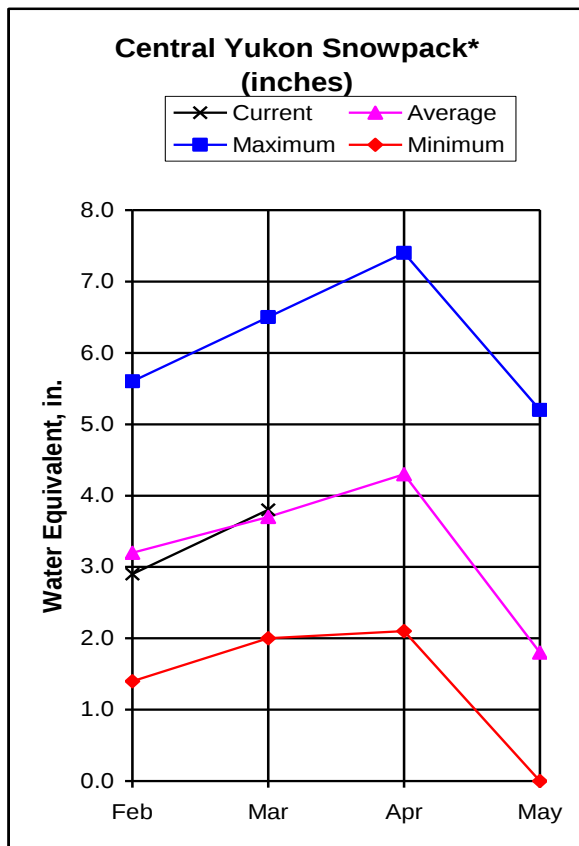
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Yukon River At Eagle	Apr- Jul	34200	38700	113	43400	33800

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Above Whitehorse/ Tetlin	8	122	147
Dawson	3	147	89
Stewart/ Pelly	12	129	112
White River	8	102	110

CENTRAL YUKON BASIN*



Snowcover:

The Central Yukon basin snowpack varies from normal to above normal. The White Mountains are 92% of normal and the Yukon Flats are 117% of normal and there is a record high snow water content at Old Crow snow course in the Yukon Territories.

The 4 snow courses in the Porcupine River basin in the Yukon Territories are a combined 108% of normal. Old Crow has 33 inches of snow depth with 6.0 inches of water content and is 154% of normal, a record for March 1st. The previous record was 5.9 inches measured on March 1st, 2005.

In the Yukon Flats, Fort Yukon has 18 inches of snow with an estimated 3.7 inches of water content, which is 116% of normal.

The Eagle Summit SNOTEL site has only caught 4.5 inches of precipitation since October 1st, and is 85% of normal.

* 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
Borealis	1330	2/25/09	23	4.0	16	2.5	27	4.4
Boundary	3500	2/24/09	22	5.1	18	4.0	24	4.6
Cathedral Creek	1800	2/27/09	21	3.8	16	2.4	---	---
Chicken Airstrip	1650	2/25/09	18	3.1	14	2.3	16	2.7
Circle City	600	No Survey			---	---	25	3.9
Circle Hot Springs	860	2/26/09	25	4.4	17	2.4	22	3.7
Coal Creel	1000	2/26/09	21	3.7	14	2.1	---	---
Copper Creek	2000	2/27/09	17	2.9	10	2.0	---	---
Crescent Creek	2600	2/27/09	16	2.7	9	1.3	---	---
Eagle Plains	2570	2/26/09	30	5.7	24	3.6	29	5.9
Eagle River	1200	2/26/09	26	4.0	21	3.2	26	4.5
Fort Yukon	430	3/01/09	18	3.7	15	2.2	19	3.2
Fossil	1400	2/25/09	20	3.3	14	2.1	28	4.5
Graphite Lake	600	No Report			---	---	17	2.8
Hess Creek	1000	No Survey			23	3.7	25	4.8
Lost Chicken Hill	2100	2/25/09	18	3.4	16	2.8	18	3.1
Lower Beaver Creek	400	No Report			---	---	---	---
Mission Creek	900	3/02/09	13	2.3	11	2.0	18	3.6
Mt. Fairplay	3100	2/25/09	19	3.5	20	3.6	20	3.8
Old Crow	840	2/24/09	33	6.0	20	2.9	24	3.9
Riff's Ridge	2130	2/26/09	29	5.2	24	3.3	27	5.1
Seven Mile	600	No Survey			26	4.0	26	4.6
Stack Pup Creek	1620	2/26/09	26	4.2	18	2.3	24	3.7
Step Mountain	2850	2/27/29	28	4.7	11	2.0	---	---
Thirty Mile	1350	No Survey			30	5.9	35	7.2
Three Fingers	3350	2/27/09	30	5.0	24	3.8	---	---
Vunzik Lake	500	No Report			---	---	---	---
Upper Nome Creek	2650	3/01/09	24	4.5	16	3.5	---	---
Windy Gap	1900	2/26/09	24	4.6	16	2.5	29	4.8
Wolf	1200	2/25/09	18	3.2	15	2.2	26	4.1

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Yukon River near Stevens Village	Apr- Jul	48200	53000	110	58300	47700

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

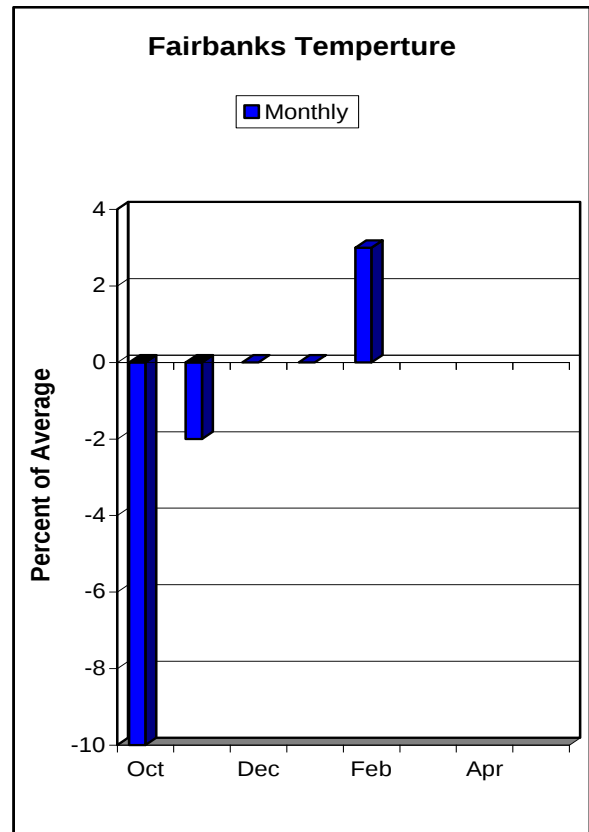
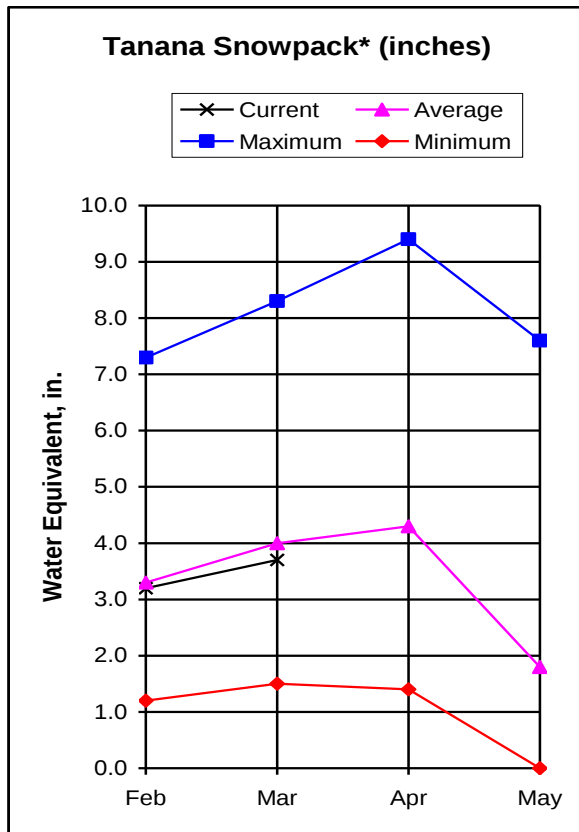
Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Atigun Pass**	4800	2/28/09	6.4	4.6	7.1	92
Chandalar Shelf**	3300	2/25/09	5.7	4.2	4.6	124
Eagle Summit**	3650	2/28/09	4.5	2.6	5.3	85
Fort Yukon	430	2/28/09	3.6	2.0	3.8	95
Mission Creek	900	3/02/09	4.4	2.1	4.6	96
Upper Nome Creek	2650	2/28/09	4.5	3.7	6.1	74

**Wyoming Shielded Gauge

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Forty Mile	5	120	98
Porcupine (Y.T.)	4	161	108
White Mountain	6	169	90
Yukon Flats	3	161	117

TANANA BASIN*



Snowcover:

In the Upper Tanana Valley, the Chisana SNOTEL site is reporting 26 inches of snow depth with 4.9 inches of water content, 144% of normal.

South of Delta Junction, the Fielding Lake snow course has 41 inches of snow with 9.6 inches of water content, 94 % of normal. Southeast of Delta Junction, the Granite Creek SNOTEL site is reporting a snow depth of 22 inches with 3.9 inches of water content, which is 111% of normal.

Northeast of Fairbanks, the Chena basin SNOTEL sites are reporting approximately 88% of normal water content conditions.

Southwest of Fairbanks, the Kantisha SNOTEL site has 25 inches of snow depth with an estimated 4.4 inches of water content, which is 83% of normal.

* 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	3/02/09	28	4.6	16	2.7	23	4.7
Caribou Creek	1250	3/02/09	22	4.6	15	3.0	24	4.6
Caribou Snow Pillow	900	3/02/09	25	4.2	16	3.0	24	4.5
Chisana	3320	3/01/09	26	4.9	---	---	22	3.4
Cleary Summit	2230	2/26/09	27	4.4	20	3.2	29	6.0
Colorado Creek	700	3/02/09	21	2.7	17	2.5	23	4.4
Edgar Creek	2400	No Report			---	---	27	6.1
Fairbanks FO	450	3/02/09	25	3.6	16	2.7	23	4.1
Faith Creek	1900	2/26/09	22	3.6	16	2.5	27	4.4
Fielding Lake	3000	2/25/09	41	9.6	22	4.3	41	10.2
Fort Greely	1500	2/27/09	15	3.1	17	2.1	18	3.2
French Creek	1800	2/27/09	30	5.4	16	3.2	26	5.9
Gerstle River	1200	2/26/09	20	2.8	14	2.5	19	3.0
Gold King	1700	No Report			12	1.9	21	3.9
Granite Creek	1240	3/01/09	22	3.9	14	3.0	19	3.5
Jatahmund Lake	2180	2/26/09	24	4.1	14	2.3	18	2.9
Kantishna	1550	3/01/09	25	4.4*	22	3.5	28	5.3
Lake Minchumina	730	2/27/09	23	3.5	19	3.4	21	4.0
Little Chena Ridge	2000	3/01/09	23*	3.8	18*	2.7	27	5.4
Lost Creek	3030	3/02/09	17	2.9	16	2.8	26	4.8
Mentasta Pass	2430	2/25/09	26	4.2	16	3.2	26	5.8
Monument Creek	1850	3/01/09	23*	3.8	17*	2.6	24	4.7
Mt. Ryan	2800	3/01/09	26*	4.7	19*	3.0	30	6.2
Munson Ridge	3100	3/01/09	35*	6.8	21*	3.5	36	8.3
Paradise Hill	2200	2/26/09	21	3.4	17	2.6	18	3.0
Ptarmigan Airstrip	2400	No Report			---	---	17	3.1
Ptarmigan Creek	2230	2/26/09	24	4.2	17	2.3	17	3.1
Rock Creek Bottom	2250	2/28/09	16	3.2	15	2.0	22	4.2
Rock Creek Ridge	2600	2/28/09	18	3.8	14	2.1	26	4.9
Shaw Creek Flats	980	2/27/09	14	2.3	14	2.2	17	3.1
Stampede	1800	No Survey			18	2.7	---	---
Teuchet Creek	1640	3/01/09	22*	3.2	16*	2.5	23	3.8
Tok Junction	1650	2/26/09	18	3.2	17	2.6	19	3.2
Upper Chena Pillow	2850	2/26/09	37	6.4	---	---	30	6.6
Upper Wood River	2990	No Report			---	---	27	5.2

*Estimate

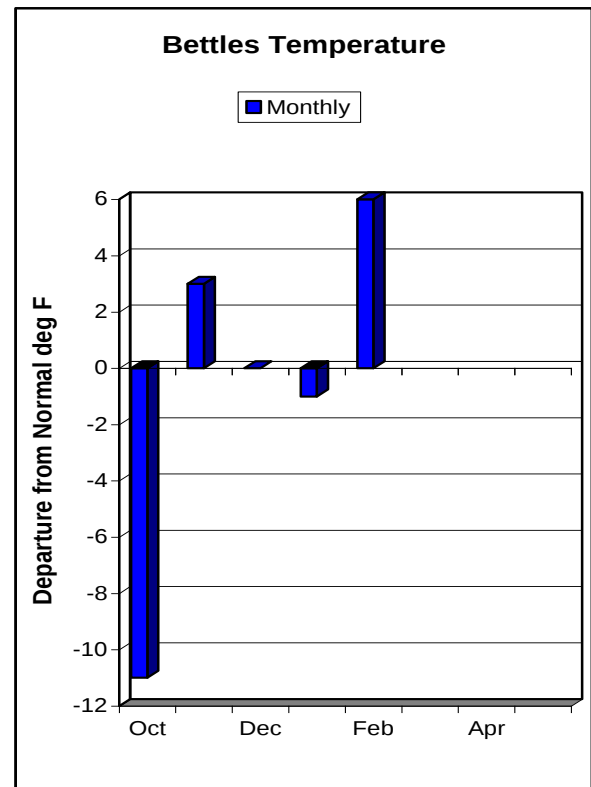
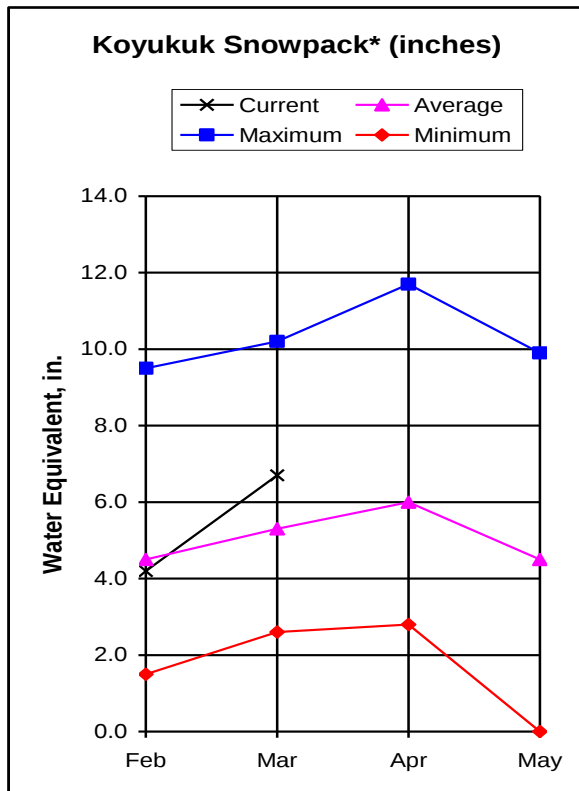
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Tanana River at Fairbanks	Apr- Jul	7100	7560	106	8590	6530
Little Chena River near Fairbanks	Apr-Jul	78	66	85	95	37
Chena River near Two Rivers	Apr-Jul	270	255	94	370	138
Salcha River near Salchaket	Apr- Jul	625	530	85	750	290
Tanana River at Nenana	Apr- Jul	9000	8960	100	10170	7740

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Chatanika	4	144	86
Chena Basin	8	155	88
Lower Tanana Valley	7	145	84
Mid Tanana Valley (Delta Junction)	5	149	94
Upper Tanana Valley (Tok)	7	144	117

WESTERN INTERIOR BASINS*



SNOWCOVER:

Koyukuk

The Huggins Creek snow course has 57 inches of snow depth with an estimated 10.0 inches of water content; this falls in the 125-135% of normal range.

The Lake Todatonten snow course recorded well above average conditions with 49 inches of snow depth and 8.5 inches of snow water content, 167% of normal.

The Minnkokut snow course, in the Kanuti National Wildlife Refuge, has 49 inches of snow depth with 8.5 inches of water content.

Moving east, the Coldfoot snow course has 45 inches of snow depth with an estimated 8.3 inches of snow water content, 138% of normal.

No surveys were performed along the Dalton Highway this month.

Kuskokwim

The McGrath snow course is estimated at 7.9 inches of water content, 139% of normal.

Lower Yukon

The area south of Galena has a significant snowpack. The Nine Mile Island snow course has 50 inches of snow with an estimated 8.8 inches of water content.

The Innoko Wildlife Refuge in the Lower Yukon also have more snow than normal with the Menotl Creek and Holikachuk snow courses reporting 63 inches of snow depth and an estimated 11.0 inches of water content.

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

Western Interior Basins

SNOWPACK DATA

SNOW COURSE			THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
Koyukuk								
Bettles Field	640	3/02/09	40	7.8*	23	3.2	30	6.1
Bonanza Forks	1200	No Survey			19	2.7	26	5.1
Cloverleaf	170	3/02/09	45	8.0	---	---	---	---
Coldfoot	1040	3/01/09	45	8.3	27	5.0	30	6.0
Colville Bend	170	3/02/09	45	8.0	---	---	---	---
Disaster Creek	1550	No Survey			23	3.4	22	3.6
Huggins Creek	290	3/02/09	57	10.0	---	---	---	---
JR Slough	160	3/02/09	33	5.7	---	---	---	---
Kaldoyeit	750	3/02/09	27	5.0	16	2.3	---	---
Kanuti-Chalatna	670	3/02/09	45	7.8	23	3.4	---	---
Kanuti-Kilolitna	550	3/02/09	31	5.4	18	2.6	---	---
Lake Todatonten	550	3/02/09	49	8.5	30	5.1	27	5.1
Minnkokut	580	3/02/09	49	8.5	---	---	---	---
Nolitna	560	3/02/09	40	7.0	18	2.9	---	---
Table Mountain	2200	No Survey			20	3.0	23	4.1
Taiholman	540	3/02/09	15	2.5	3	.5	4	1.3
Treat Island	190	No Report			---	---	---	---
Kuskokwim								
Holitna River	257	No Report			43	8.6	---	---
Holokuk River	367	No Report			---	---	---	---
Johnny Slu	180	No Report			31	6.5	---	---
Kogruk	493	No Report			50	8.5	---	---
Lake Minchumina	730	2/27/09	23	3.5	19	3.4	21	4.0
Lower Aniak	164	No Report			---	---	---	---
McGrath	340	2/28/09	35	7.9*	26	5.7*	30	5.7
Middle Kuskokwim	297	No Report			25	5.0	---	---
N. Fork Kuskokwim	512	No Report			24	4.4	---	---
Purkeypile Mine	2025	No Report			14	2.8	21	4.2
Telaquana Lake	1550	No Report			---	---	20	4.0
Upper Aniak	781	No Report			---	---	---	---
Upper Twin Lakes	2000				---	---	27	7.0
Lower Yukon								
Deer Creek	190	3/02/09	36	6.2	---	---	---	---
Grouch Creek	220	3/01/09	57	10.0	---	---	40	8.5
Holikachuk	100	3/01/09	63	11.0	---	---	36	7.8
Horsefly Creek	180	3/01/09	43	7.7	---	---	28	5.7
Innoko Inn	200	No Survey			---	---	---	---
Little Mud River	855	3/02/09	32	5.5	---	---	---	---
Lower Nowitna River	205	3/02/09	36	6.2	---	---	---	---
Menotl Creek	380	3/01/09	63	11.0	---	---	37	8.2
Middle Innoko	150	3/01/09	48	8.5	---	---	36	7.4
Nine Mile Island	140	3/01/09	50	8.8	---	---	---	---
Pike Trap Lake	130	3/01/09	24	4.2	---	---	---	---
Squirrel Creek	150	3/01/09	45	8.0	---	---	---	---
Tozikaket	600	No Survey			16	2.5	23	4.4
Upper Innoko	180	3/01/09	48	8.5	---	---	35	7.8
Wapoo Hills	220	3/01/09	63	11.0	---	---	32	4.1
Yankee Slough	100	3/01/09	48	8.5	---	---	41	9.4
Yetna River	120				---	---	28	5.9

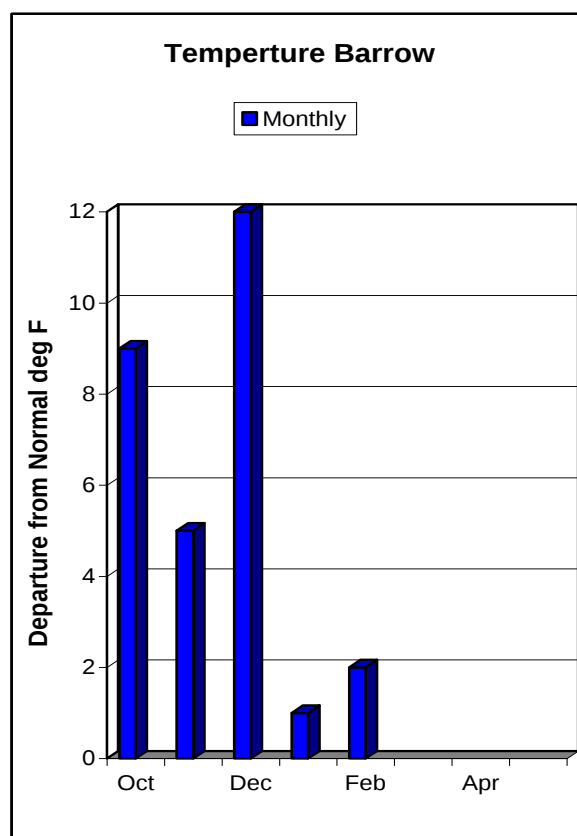
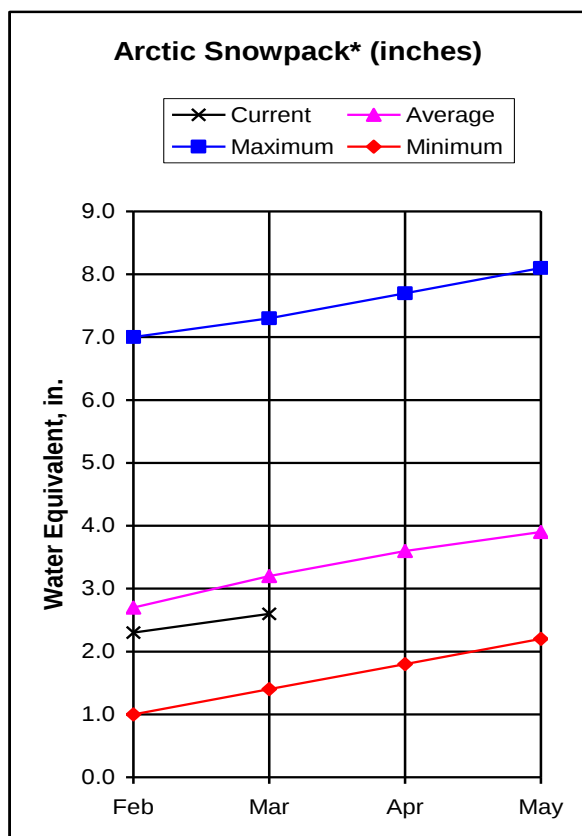
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Kuskokwim River at Crooked Creek	Apr-Jul	10500	12400	118	15750	9140

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Koyukuk	7	184	142
Upper Kuskokwim	4	125	123
Lower Yukon	9	199	148

ARCTIC AND KOTZEBUE SOUND*



Snowcover:

Arctic

The Atigun Pass SNOTEL site on the Dalton Highway in the Brooks Range has caught 6.5 inches of precipitation since October 1st, which is 92% of normal. North on the Dalton Highway, Imnaviat Creek SNOTEL site has received 4.5 inches since October 1st, which is 132% of normal.

Kotzebue

As of March 1st, Red Dog Mine has received 3.9 inches of precipitation for the water year, which is 70% of normal.

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

Arctic and Kotzebue Sound

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Arctic						
Atigun Camp	3400	2/25/09	3.6	1.5	3.5	103
Atigun Pass	4800	2/28/09	6.5	4.6	7.1	130
Barrow	25	3/05/09	1.8	1.3	2.6	69
Imnaviat Creek	3050	2/28/09	4.5	1.5	3.4	132
Prudhoe Bay	30	No Report		2.1	3.4	---
Sagwon	1000	No Report		1.7	3.3	---
Kotzebue Sound						
Red Dog**	950	2/28/09	3.9	5.0	5.6	70

** Wyoming Shielded Gauge

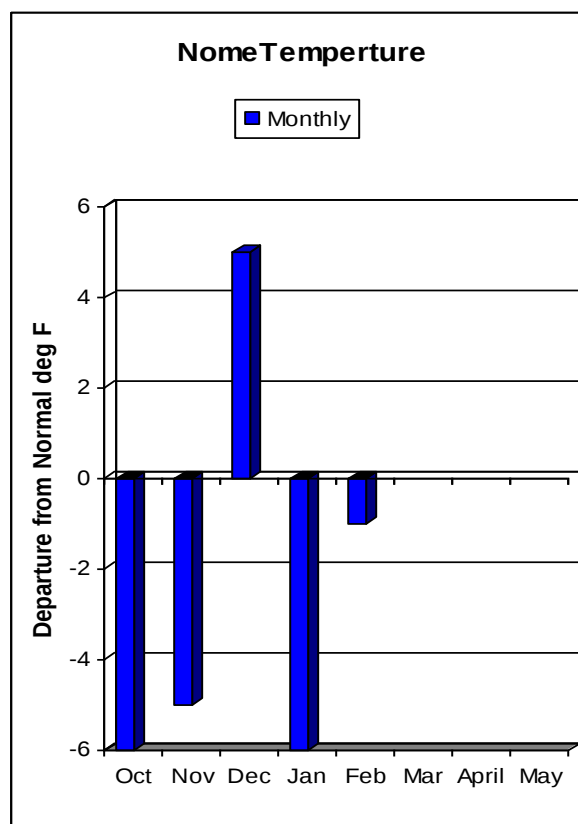
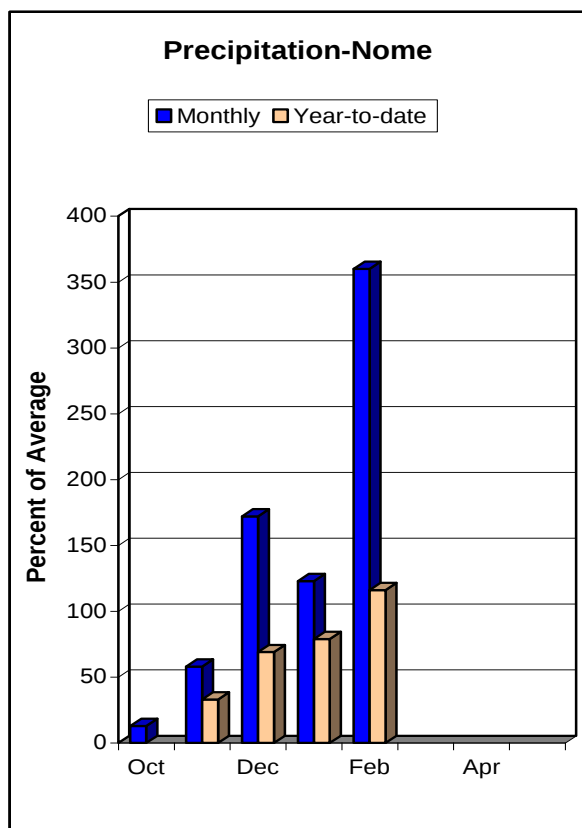
STREAMFLOW FORECASTS

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	830	121	1240	550
Kuparuk River near Deadhorse	Apr-Jul	795	950	119	1350	800

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Arctic Coast	1	138	69
Dalton Highway	3	170	123

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*



Snowcover:

Norton Sound

The Seward Peninsula received an abundance of snow in March. The Johnson Camp SNOTEL site east of Nome has 25 inches of snow on the ground. The Pargon Creek SNOTEL site located northeast of White Mountain in the Fish River Flats, has 32 inches of snow and an estimated 6.1 inches of water content. Overall, the Seward Peninsula has had another heavy snow year with the snow depth doubling at Nome in March from 28 to 56 inches deep. This exceeds 130% of normal.

Southwest Delta/Bristol Bay

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

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

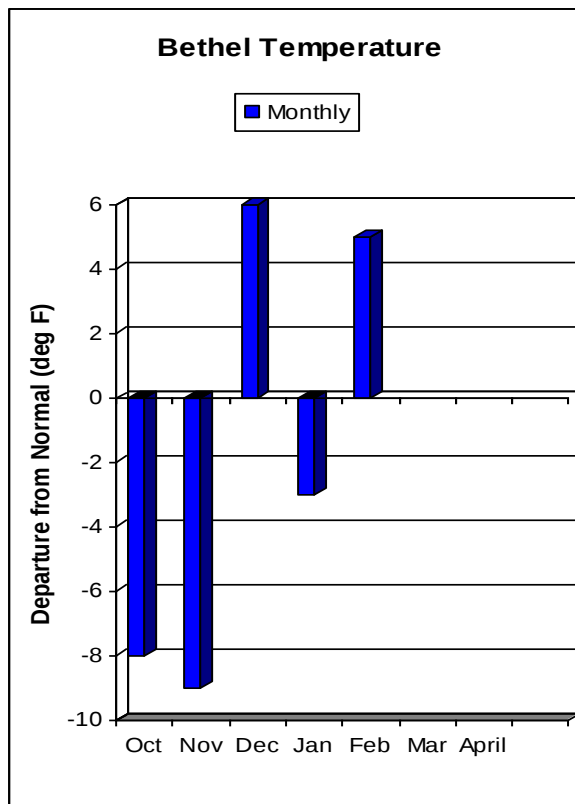
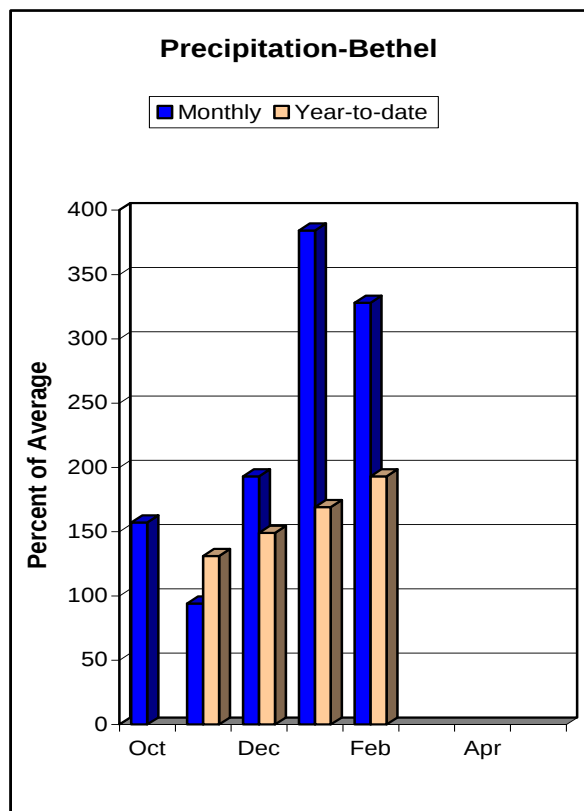
SNOWPACK DATA

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	2/27/09	6	1.5	---	---	---	---
Fishtrap Lake	1800	No Survey			---	---	40	9.7
Port Alsworth	270	3/05/09	22	5.2	---	---	15	4.2
Three Forks	1300	2/27/09	12	3.0	---	---	---	---
Upper Twin Lakes	2000	No Survey			---	---	27	7.0
Norton Sound								
Johnson's Camp	25	2/28/09	25	4.5*	23	3.9	---	---
Pargon Creek	100	2/28/09	32	6.1*	20	3.6	---	---
Rocky Point	500	2/28/09	38	7.0*	22	3.7	---	---

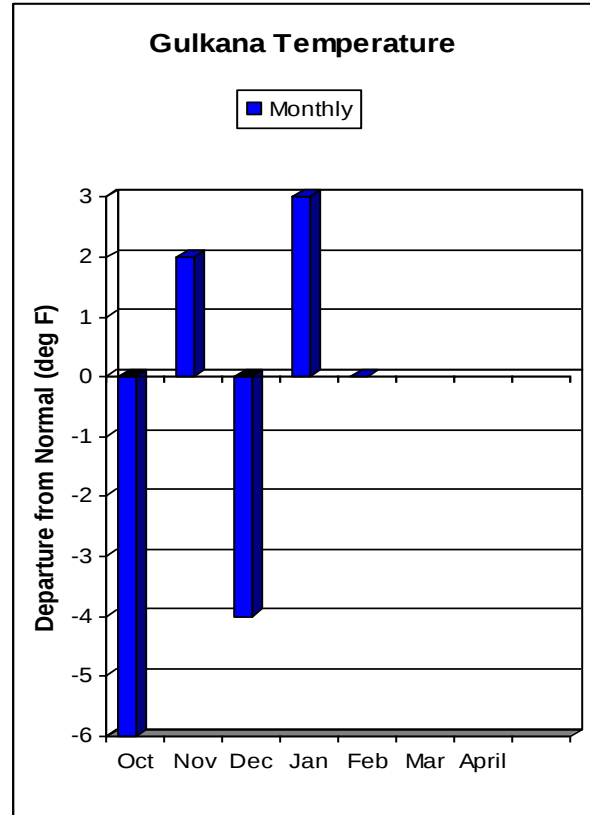
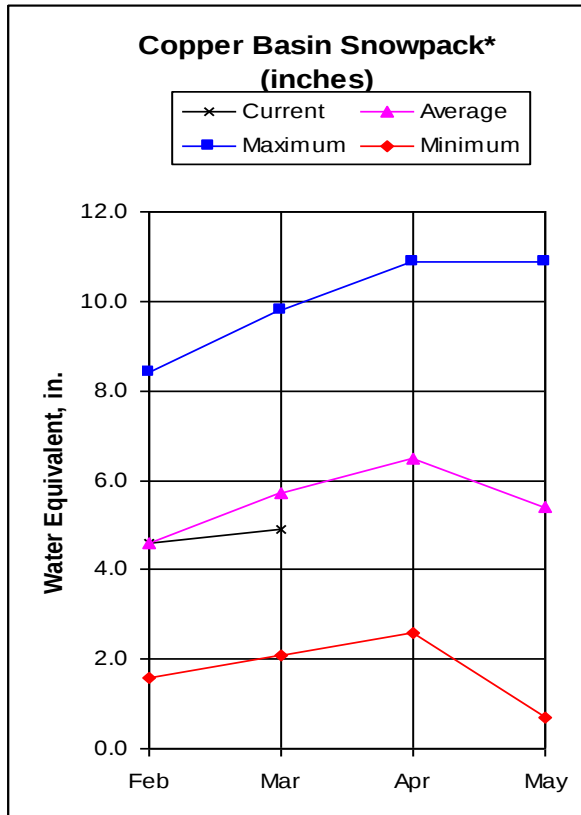
PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Pargon Creek	100	2/28/09	6.1	6.1	4.3	143
Rocky Point	500	2/28/09	7.0	6.0	4.8	146



COPPER BASIN*



Snowcover:

Most sites in the large Copper basin are below normal with the exception of the Wrangell Mountain area where Dadina Lake is 118% of normal and May Creek is 127% of normal water content. The snow courses on the north side of the Chugach Range (southern part of the basin) are 80% of normal or less; the one exception is Worthington Glacier at 94% of normal water content. The Kenney Lake and Tazlina snow courses have very little snow; 13 inches at Kenney Lake and 10 inches at Tazlina. The Lake Louise snow course has 25 inches of snow depth with 4.3 inches of water content, 108% of normal.

* 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	2/25/09	25	3.6	20	3.5	22	3.5
Chokosna	1550	3/03/09	16	3.1	13	3.1	---	---
Dadina Lake	2160	3/03/09	33	6.0	21	3.4	29	5.1
Fielding Lake	3000	2/25/09	41	9.6	22	4.3	41	10.2
Haggard Creek	2540	2/25/09	31	5.8	26	4.0	27	5.6
Horsepasture Pass	4300	3/02/09	21	4.0	20	4.3	28	5.6
Kenny Lake School	1300	2/26/09	13	2.0	12	2.0	18	3.4
Lake Louise	2400	2/27/09	25	4.3	19	2.7	22	4.0
Little Nelchina	2650	2/27/29	22	4.0	18	2.8	24	4.6
Long Glacier	4820	No Report			18	2.8	---	---
May Creek	1610	3/01/09	27	5.6	24	4.4	26	4.4
Mentasta Pass	2430	2/25/09	26	4.2	16	3.2	26	5.8
Monsoon Lake	3100	3/02/09	34	5.9	16	3.6	28	5.6
Notch	2643	No Report			7	1.7	---	---
Paxson	2650	2/25/09	36	7.4	24	4.1	31	6.6
Sanford River	2280	3/03/09	28	4.8	24	4.0	28	5.4
St. Anne Lake	1990	3/02/09	22	3.2	19	3.5	25	4.9
Tazlina	1225	2/27/09	10	2.0	16	2.2	20	3.7
Tebay Lake	1930	No Report			63	16.5	---	---
Tolsona Creek	2000	3/27/09	21	3.5	17	2.8	22	3.8
Tsaina River	1650	2/26/09	40	11.9	48	12.2	56	15.7
Twin Lakes	2400	3/02/09	23	3.8	17	3.2	31	5.9
Upper Tsaina River	1750	3/01/09	47	15.0	59	15.6	64	18.5
Worthington Glacier	2100	2/26/09	61	20.5	68	21.6	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	2/28/09	6.6	4.7	---	---
Strawberry Reef	50	2/28/09	35.8	41.6	40.8	88
Upper Tsaina River	1750	2/28/09	20.9	17.3	23.4	89

STREAMFLOW FORECASTS

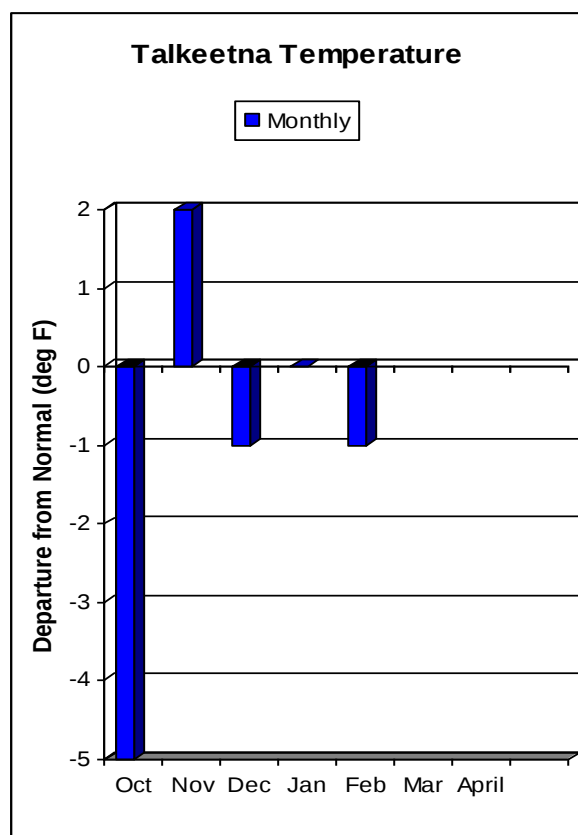
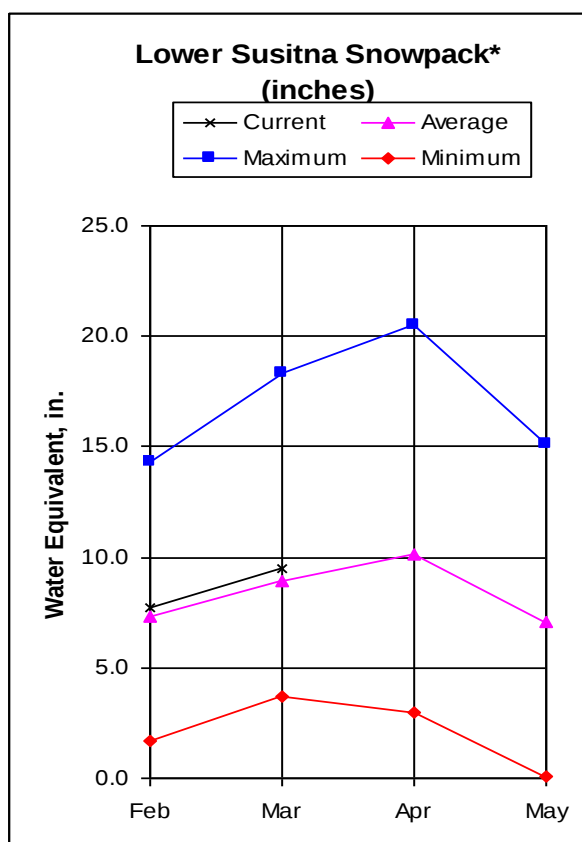
FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Gulkana River at Sourdough	Apr- Jul	475	445	94	610	280

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Alaska Range**	3	177	96
Basin Floor	7	132	93
Chugach Range	6	97	80
Talkeetna Mountains	3	108	74
Wrangell Mountains	4	139	110

**At the foot of the Alaska Range.

MATANUSKA - SUSITNA BASINS*



Snowcover:

The west side of the Susitna basin remains above normal, whereas the east side increased to near the normal range.

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

The Peters Hills basin is at 102% of normal and the Dutch Hills snow course has 96 inches of snow depth and an estimated 25.0 inches of water content, 109% of normal.

The Upper Susitna basin is below normal overall as indicated by Monahan Flat which is 81% of normal and has only 35 inches of snow depth and 6.0 inches of water content.

The Little Susitna River volume flow forecast for the April through July time period is 82,000 acre-feet of water, 95% of normal.

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

Matanuska - Susitna Basins

SNOWPACK DATA

SNOW COURSE	ELEV.	DATE	THIS YEAR		LAST YEAR		SNOW DEPTH	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT		
Alexander Lake	160	2/26/09	53	12.5	48	11.2*	43	10.7
Archangel Road	2200	2/26/09	52	12.9	35	8.9	47	13.5
Bentalit Lodge	150	2/26/09	41	8.8	37	6.7	35	8.0
Blueberry Hill	1200	2/26/09	57	13.1	43	11.8	53	13.8
Chelatna Lake	1450	2/27/09	45	10.0	33	8.5	42	10.0
Clearwater Lake	2650	3/02/09	30	4.8	21	3.2	26	5.1
Curtis Lake	2850	3/02/09	29	5.0	15	2.1	---	---
Denali View	700	2/26/09	50	12.0	38	9.8	46	11.4
Dunkle Hills	2700	2/27/09	39	9.0	31	7.6	---	---
Dutch Hills	3100	2/27/09	96	25.0	66	21.0	76	23.0
E. Fork Chulitna	1800	2/26/09	50	11.5	44	10.4	51	12.7
Eldridge Glacier	3400	No Survey			7	2.0	---	---
Fishhook Basin	3300	2/26/09	68	16.7	40	11.2	58	17.7
Fog Lakes	2120	3/02/09	30	4.0	17	2.6	26	5.3
Halfway Slough	350	2/26/09	34	7.0	23	4.8	---	---
Independence Mine	3550	2/26/09	75	21.0	48	13.9	58	17.7
Lake Louise	2400	2/27/09	25	4.3	19	2.7	22	4.0
Little Susitna	1700	2/26/09	42	9.7	30	6.8	42	11.6
Monahan Flat	2710	3/01/09	35	6.0	30	5.9	34	7.4
Moose Creek Ranch	450	2/27/09	14	2.4	8	1.3	---	---
Nugget Bench	2010	2/27/09	64	14.7	31	8.5	51	12.9
Ramsdyke Creek	2220	2/27/09	84	20.6	65	17.7	66	18.9
Sheep Mountain	2900	2/27/09	21	3.6	19	3.0	26	5.4
Skwentna	160	2/26/09	50	11.3	46	11.4*	43	10.5
Square Lake	2950	3/02/09	23	3.3	16	2.6	22	3.8
Susitna Valley High	375	3/01/09	40	7.2	29	6.2	39	8.3
Talkeetna	350	2/26/09	38	8.5	25	5.6	32	7.6
Tokositna Valley	850	3/01/09	53	11.5	68	15.0	67	15.7
Tyone River	2500	3/02/09	26	4.5	21	3.0	23	4.4
Upper Oshetna River	3150	3/02/09	21	3.9	17	2.7	---	---
Upper Sanona Creek	3100	3/02/09	31	5.5	20	3.2	29	5.2
Willow Airstrip	200	2/26/09	27	5.7	25	5.7	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	82	95	108	56
Talkeetna River near Talkeetna	Apr-Jull	1630	1470	90	1740	1190

PRECIPITATION DATA

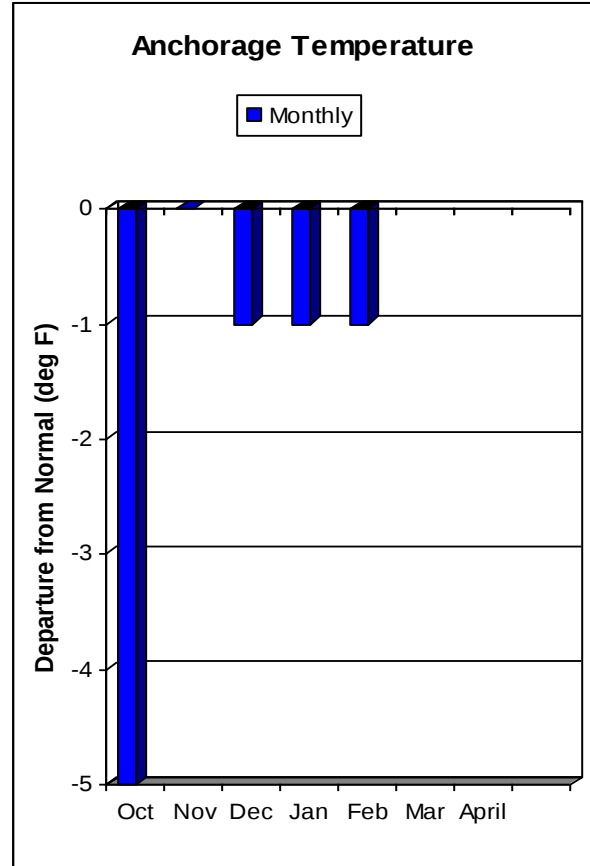
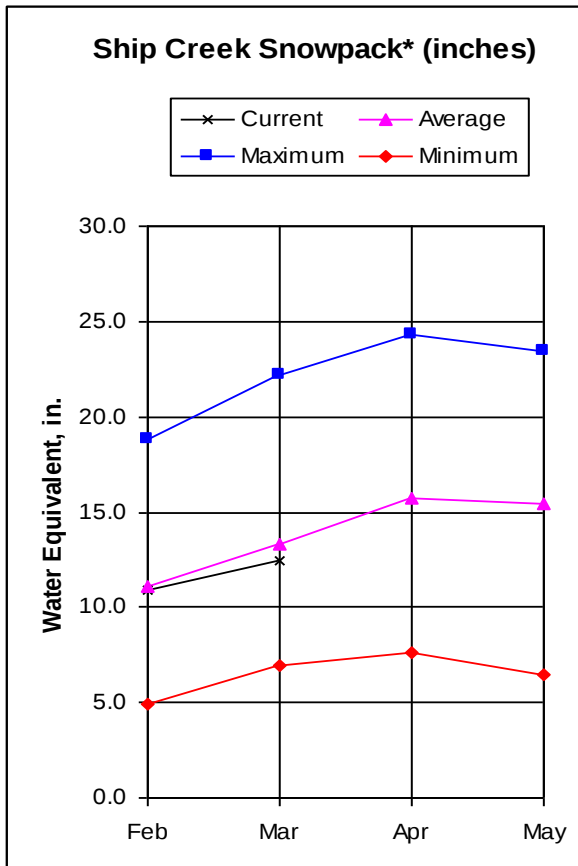
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of
Independence Mine	3550	2/28/09	15.9	10.0	22.1	72
Monahan Flat	2710	2/28/09	6.0	4.5	7.3	82
Susitna Valley	375	2/28/09	10.8	7.8	10.3	105
Tokositna Valley	850	2/28/09	18.3	14.3	16.2	113

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Lower Susitna	6	106	100
Matanuska/Little Susitna	7	146	94
Peters Hills	5	111	102
Upper Susitna	12	127	94

NORTHERN COOK INLET*



Snowcover:

The Anchorage Hillside SNOTEL site is 90% of normal, and the Moraine SNOTEL site located above Eklutna Lake is 95% of normal.

To the west across Cook Inlet, the Beluga Aerial markers including Chuitna Plateau has 84 inches of snow depth and an estimated 27.9 inches of water content; Lone Ridge has 91 inches of snow depth and an estimated 30.5 inches of water content. These two aerial markers are a combined 113% of normal.

The Arctic Valley snow courses are well below normal.

The Snowmelt Runoff Index for Campbell Creek near Spenard is below average at -1.6.

* 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	3/01/09	37	8.0	37	9.1	35	8.9
Arctic Ski Bowl	3000	3/02/09	21	4.8	31	9.4	38	11.9
Arctic Valley #1	500	3/02/09	10	1.5	12	2.6	17	3.9
Arctic Valley #2	1000	3/02/09	14	2.7	20	4.3	20	4.6
Arctic Valley #3	1450	3/02/09	25	5.6	30	7.3	28	6.9
Arctic Valley #4	2130	3/02/09	28	5.6	30	7.3	27	6.9
Chuitna Plateau	1540	2/26/09	84	27.9	---	---	68	24.6
Congahbuna Lake	500	2/26/09	41	10.1	---	---	32	8.9
Granite Point	250	No Survey			---	---	22	5.6
Indian Pass	2350	3/01/09	75	19.2	64	20.0	64	19.8
Kincaid Park	250	2/26/09	13	3.6	13	3.0	17	4.0
Lone Ridge	1675	2/26/09	91	30.5	---	---	79	28.8
Moraine	2100	3/01/09	25	6.3	34	7.7	27	6.6
Mt. Alyeska	1540	3/01/09	78	22.2	94	27.8	92	29.7
Point Mackenzie	200	3/01/09	23	4.8	16	3.5	19	4.0
Portage Valley	50	2/26/09	33	10.9	46	16.6	39	12.9
South Campbell Creek	1200	2/27/09	12	3.0	26	6.0	26	6.2
<i>*Estimate</i>								

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	58	100	72	44

PRECIPITATION DATA

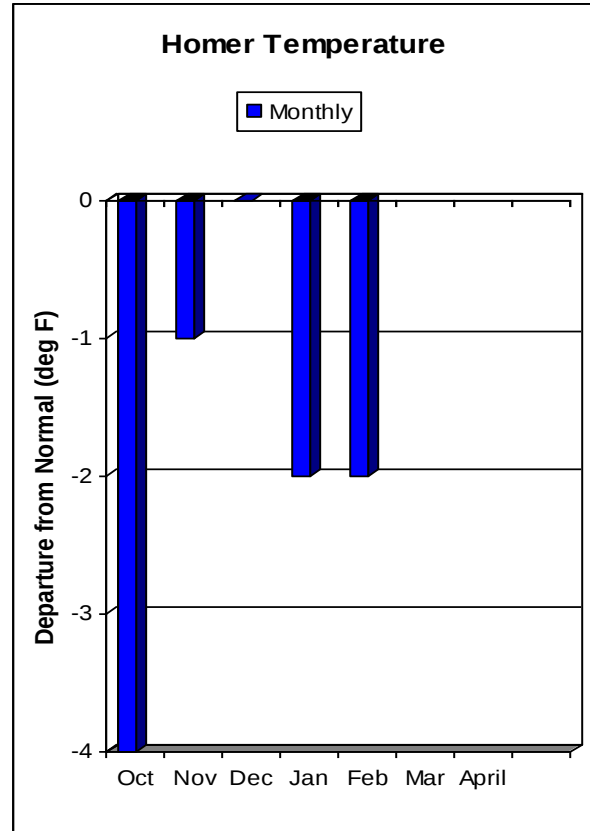
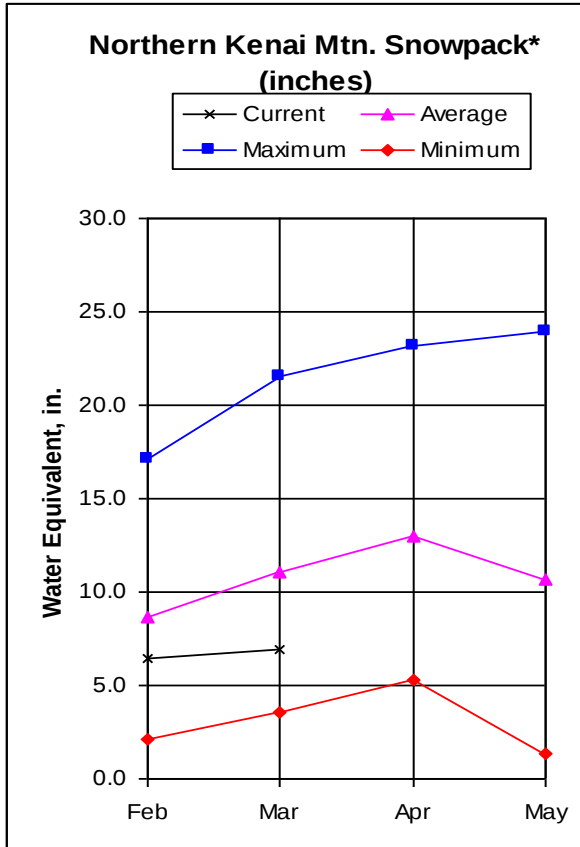
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Anchorage Hillside	2080	2/28/09	11.9	11.6	11.6	103
Indian Pass	2350	2/28/09	21.5	21.0	21.1	102
Moraine	2100	2/28/09	8.7	10.1	8.5	102
Mt. Alyeska	1540	2/28/09	29.9	12.3	37.5	80
Point Mackenzie	200	2/28/09	7.1	6.2	6.9	103
<i>*Estimate</i>						

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Beluga	3	87	113
Campbell Creek	3	81	75
Ship Creek	8	78	77
Turnagain Arm	3	63	73

KENAI PENINSULA*



Snowcover:

The entire Kenai Peninsula is below average and ranges from 57-97%. The lower elevation sites, such as Kenai Moose Pens, are in the near normal range whereas the higher elevations are well below average. The Turnagain Pass SNOTEL site at 1,880 ft elevation has 71 inches of snow and 19.6 inches of water content, 67% of normal.

On the rim above Homer, the Anchor River Divide SNOTEL site has 28 inches of snow depth with 6.2 inches of water content, 60% of normal. At the head of Kachemak Bay, the Nuka Glacier SNOTEL site has 48 inches of snow with an estimated 12.6 inches of water content, only 47% of normal.

* 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	3/01/09	28	6.2	46	12.0	40	10.3
Bertha Creek	950	2/27/09	32	9.7	52	15.4	51	14.7
Bridge Creek	1300	2/28/09	21	4.6	37	10.4	38	10.2
Cooper Lake	1200	3/01/09	25	8.1	47	12.5	50	14.8
Demonstration Forest	780	3/02/09	20	3.9	25	6.7	28	7.7
Eagle Lake	1400	2/27/09	28	6.5	44	11.0	38	10.7
Grandview	1100	3/01/09	56	17.6	90	26.0	70	21.7
Grouse Creek Divide	700	3/01/09	36	9.5	58	15.7	55	16.7
Jean Lake	620	2/26/09	4	0.8	11	3.0	17	3.8
Kachemak Creek	1660	3/01/09	24	6.0*	73	21.0*	48	12.8
Kenai Moose Pens	300	3/01/09	18	3.7	15	3.8	17	3.8
Kenai Summit	1390	2/27/09	32	8.2	48	13.4	44	12.3
McNeil Canyon	1320	3/01/09	26	6.3	36	10.9	36	8.9
Moose Pass	700	2/27/09	12	2.9	21	6.1	22	6.3
Nuka Glacier	1250	3/01/09	48	12.6*	123	49.0*	69	26.9
Port Graham	300	3/01/09	23	6.9	32	8.9	16	4.9
Snug Harbor Road	500	2/26/09	12	3.0	14	4.0	20	5.1
Summit Creek	1400	3/01/09	32	6.4	40	10.3	38	10.5
Turnagain Pass	1880	3/01/09	71	19.6	122	39.0	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	900	97	1030	780

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Anchor River Divide	1650	2/28/09	11.3	22.3	16.1	70
Cooper Lake	1200	2/28/09	19.2	25.6	20.7	93
Grandview	1100	2/28/09	27.7	43.9	31.4	88
Grouse Creek Divide	700	2/28/09	25.6	45.7	30.6	84
Kachemak Creek	1660	2/28/09	24.1	41.4	34.5	70
Kenai Moose Pens	300	2/28/09	6.8	6.1	7.3	93
McNeil Canyon	1320	2/28/09	10.1	17.4	13.6	74
Middle Fork Bradley**	2300	2/28/09	21.9	33.7	30.6	72
Nuka Glacier**	1250	2/28/09	26.4	52.0	48.1	55
Port Graham	300	2/28/09	27.8	52.1	35.1	79
Summit Creek	1400	2/28/09	11.8	15.7	14.3	82
Turnagain Pass	1880	2/28/09	22.7	38.7	34.0	67

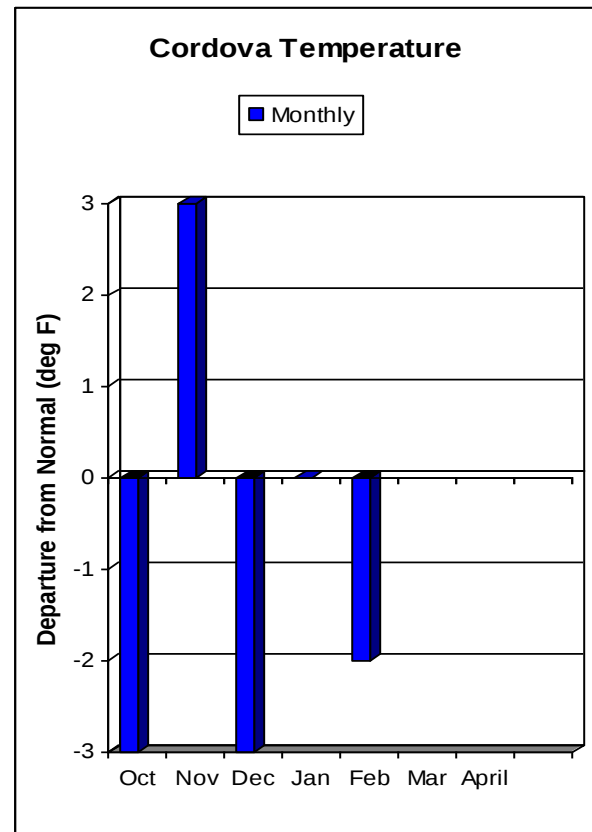
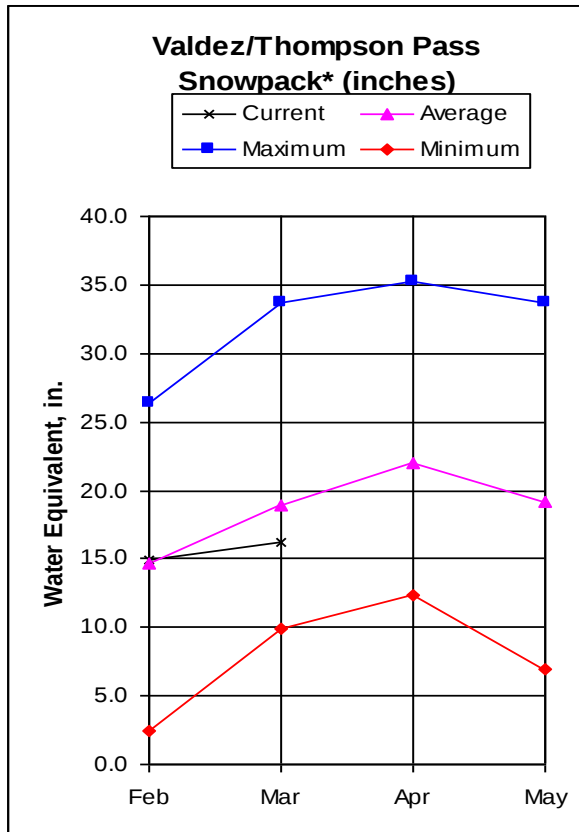
*Estimate

**Wyoming Shielded gauge

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Bradley Lake/Southern Kenai	3	32	57
Ninilchik Dome	5	52	58
Northern Kenai Flats	1	97	97
Northern Kenai Mountains	11	56	64

WESTERN GULF*



Snowcover:

The Western Gulf snowpacks are below normal.

On the west side, Exit Glacier snow course near Seward has 34 inches of snow with 9.4 inches of water content and is only 69% of normal.

On the east side, the Valdez snow course has 51 inches of snow depth with 13.2 inches of snow water, which is 85% of normal.

Mt. Eyak SNOTEL site above Cordova has 65 inches of snow depth with 19.3 inches of water content, 98% of normal.

The precipitation gage at Sugarloaf Mountain SNOTEL site has caught 33.5 inches since October 1st, which is 94% of normal.

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

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	2/27/09	34	9.4	62	20.3	53	13.7
Grouse Creek Divide	700	3/01/09	36	9.5	58	15.7	55	16.7
Lowe River	600	2/26/09	43	12.5	33	9.2	53	15.1
Mt. Eyak	1405	3/01/09	65	19.3	72	24.3	67	19.6
Nuka Glacier	1250	3/01/09	48	12.6*	123	49.0*	69	26.9
Sugarloaf Mountain	550	2/27/09	62	18.8	58	19.8*	79	23.3
Tsaina River	1650	2/26/09	40	11.9	48	12.2	56	15.7
Upper Tsaina River	1750	3/01/09	47	15.0	59	15.4	64	18.5
Valdez	50	2/26/09	51	13.2	38	11.4	51	15.5
Worthington Glacier	2100	2/26/09	61	20.5	68	21.6	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	2/28/09	67.4	85.5	71.5	94
Grouse Creek Divide	700	2/28/09	25.6	45.7	30.6	84
Mt. Eyak	1405	2/28/09	50.6	52.6	58.9	86
Nuka Glacier**	1250	2/28/09	26.4	52.0	48.1	55
Port San Juan	50	2/28/09	51.5	73.6	66.0	78
Seal Island	20	2/28/09	33.2	36.5	35.3	94
Strawberry Reef	50	2/28/09	35.8	41.6	40.8	88
Sugarloaf Mountain	550	2/28/09	33.5	33.0	35.5	94
Tatitlek	50	2/28/09	36.2	31.6	33.6	108
Upper Tsaina River	1750	2/28/09	20.9	17.3	23.4	89

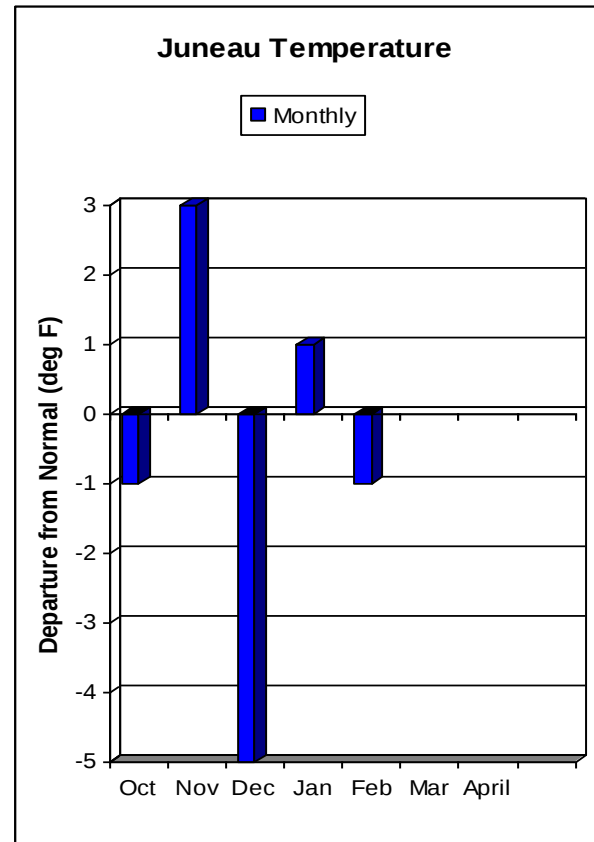
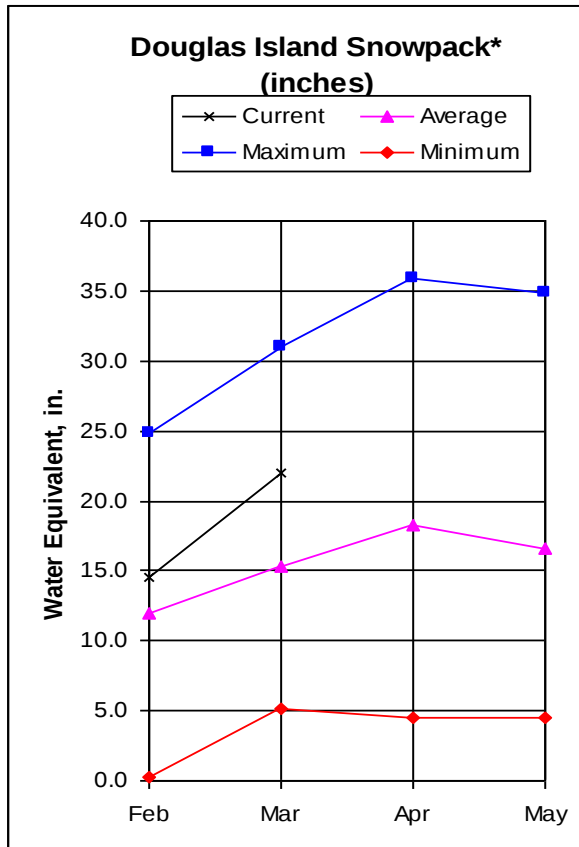
**Wyoming Shielded Gauge

*Estimate

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Lowe River (Valdez)	5	95	88
Eyak Lake	1	75	98

Southeast



Snowcover:

Southeast Alaska continued with its 3rd big snow year in a row. The Petersburg area is a combined 152% of average. Petersburg Ridge snow course has 93 inches of snow with 28.3 inches of water (130% of normal), whereas the lower elevation site Petersburg Reservoir has only 13.6 inches of water, but is 234% of average.

The Long Lake SNOTEL site has 104 inches of snow with 38.1 inches of water content, 112% of normal.

The Douglas Island snow courses, across from Juneau, are a combined 144% of normal.

The northern part of Southeast is closer to average conditions as indicated by the Moore Creek Bridge snow course north of Skagway. It has 78 inches of snow depth with 23.5 inches of snow depth, which is 110% of normal.

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	2/27/09	98	33.9	96	34.9	70	23.9
Eagle Crest	1200	2/27/09	79	23.0	70	23.7	48	16.1
Fish Creek	500	2/27/09	32	9.2	23	6.8	20	6.0
Long Lake	820	2/28/09	104	38.1	122	41.0	92	34.1
Moore Creek Bridge	2250	2/27/09	78	23.5	66	20.1	62	21.3
Petersburg Reservoir	550	2/26/09	45	13.6	48	16.5	18	5.8
Petersburg Ridge	1650	2/27/09	93	28.3	110	35.9	65	21.8
Speel River	280	2/28/09	101	39.8	97	33.8	75	26.8

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Gold Creek near Juneau	Apr-Jul	33	37	112	46	28

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Long Lake	820	2/28/09	92.8	81.2	85.9	108
Moore Creek Bridge	2250	2/28/09	26.3	20.9	23.9	110
Snettisham	25	No Report		90.9	95.2	---
Swan Lake	50	No Report		96.8	77.8	---

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Douglas Island	3	101	144
Snettisham	2	104	128
Petersburg	2	80	152

For further information contact:

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

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

NRCS Anchorage Support Staff

510 L Street, Suite 270

Anchorage, Alaska 99501-1949

Telephone (907) 271-2424, Extension 113;

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

Copper Center Field Office

Catherine Hadley, Acting District Conservationist

Telephone: (907) 822-4484

Facsimile: (907) 822-4489

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

Delta Junction Field Office

Catherine Hadley, District Conservationist

Telephone (907) 895-4241 x 103

Facsimile: (907) 895-5003

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

Fairbanks Field Office

Joanne Kuykendall, District Conservationist

Telephone (907) 479-3159 x 110

Facsimile: (907) 479-6998

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

Homer Field Office

Mark Kinney, District Conservationist

Telephone (907) 235-8177 x 103

Facsimile: (907) 235-2364

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

Mat-Su Field Office

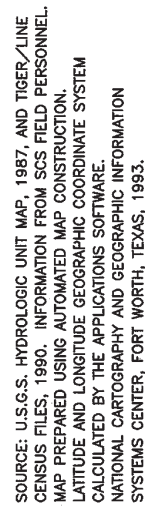
District Conservationist

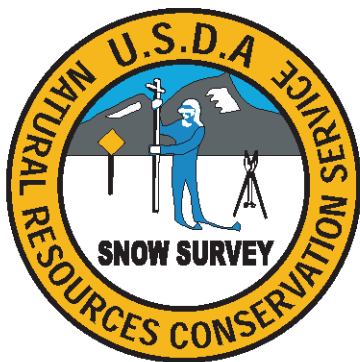
Telephone (907) 373-6492 x 101

Facsimile: (907) 373-7192

e-mail:

HYDROLOGIC BASINS ALASKA





510 L Street, Suite 270
Anchorage, Alaska 99501-1949



Alaska Snow Survey Report

Natural Resources Conservation Service
Anchorage, AK

