United States Department of Agriculture

NRCS Natural Resources Conservation Service

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GENERAL OVERVIEW

Snowpack

The Alaska snowpack varies from above normal in the Koyukuk basin to no snow at many locations in the South Central, Kenai Peninsula, Southwest and Southeast portions of the state.

In the Koyukuk Basin, the Bettles Field and Bonanza Forks sites are 136 percent of normal water content for April 1st.

Talkeetna, in the Mantanuska-Susitna Basin has 8 inches of snow and 1.8 inches of water content, a record minimum.

In Southeast Alaska, Petersburg Ridge has 12.9 inches of water content, the 2nd lowest reading on record, and Long Lake has 60 percent of the water it had last year.

Very little snow has fallen this winter north of the Alaska Range from Lake Minchumina in the west to Fort Greely, near Delta Junction. Conditions are similarly dry in the Wrangle-St. Elias Range from Paradise Hill southeast of Northway, to Beaver Creek in the Yukon Territories.

Precipitation

Most of Alaska had below normal precipitation during March. The exceptions were the Koyukuk Basin and the Kuskokwim Basin near McGrath, where increases in snow water content indicated above normal precipitation. As indicated by the less than normal increase in the snow water contents of the snow courses, the remainder of the state had below normal precipitation.

Temperature

March temperatures in Alaska were close to normal, breaking the above normal trend of the previous 5 months. Kotzebue, King Salmon, Juneau, Fairbanks, and Big Delta reported below normal temperatures for the month, but the largest deviation was only 1.1 degrees F below average. The remainder of the reporting sites were just above normal. Barrow had the highest, at 5.2 degrees F above normal.

STREAMFLOW

Streamflow forecasts of snowmelt runoff are as follows:

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	84	April - July
Yukon River near Stevens Village	87	April - July
Tanana River at Fairbanks	97	April - July
Tanana River at Nenana	93	April - July
Little Chena River near Fairbanks	95	April - July
Chena River near Two Rivers	93	April - July
Salcha near Salchaket	85	April - July
Sagvanirktok River near Pump Station 3	97	April - July
Kuparuk River near Deadhorse	84	April - July
Kuskokwim River at Crooked Creek	95	April - June
Gulkana River at Sourdough	93	April - July
Little Susitna River near Palmer	83	April - July
Talkeetna River near Talkeetna	91	April - July
Ship Creek near Anchorage	60	April - July
Kenai River at Cooper Landing	91	April - July
Gold Creek near Juneau	82	April - July

SNOWMELT RUNOFF INDEX (SRI)
For streams that no longer have stream gauging stations.

FORECAST POINT	INDEX
Koyukuk River at Hughes	+1.3
Beaver Creek above Victoria Creek	-2.3
Birch Creek below South Fork	-2.0
Caribou Creek at Chatanika	-1.3
Susitna River near Gold Creek	-2.7
Chulitna River near Talkeetna	-2.5
Deshka River at mouth near Willow	-2.6
Montana Creek at Parks Highway	-2.8
Willow Creek near Willow	-2.1
Skwentna River at Skwentna	-2.3
Chuitna River near Tyonek	-2.3
Campbell Creek near Spenard	-3.0
Indian Creek at Indian	-3.0
Bird Creek at Bird Creek	-3.0
Six Mile Creek near Hope	-2.8
Resurrection Creek near Hope	-3.0
Anchor River near Anchor Point	-3.0
Deep Creek near Ninilchik	-3.0
Ninilchik River near Ninilchik	-3.0
Fritz Creek near Homer	-3.0
Skagway River at Skagway	-2.5

Index	Key:
-2 to -3	much below average snowmelt runoff
-1 to -2	below average snowmelt runoff
-1 to +1	average snowmelt runoff
+1 to +2	above average snowmelt runoff
+2 to +3	much above average snowmelt runoff

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

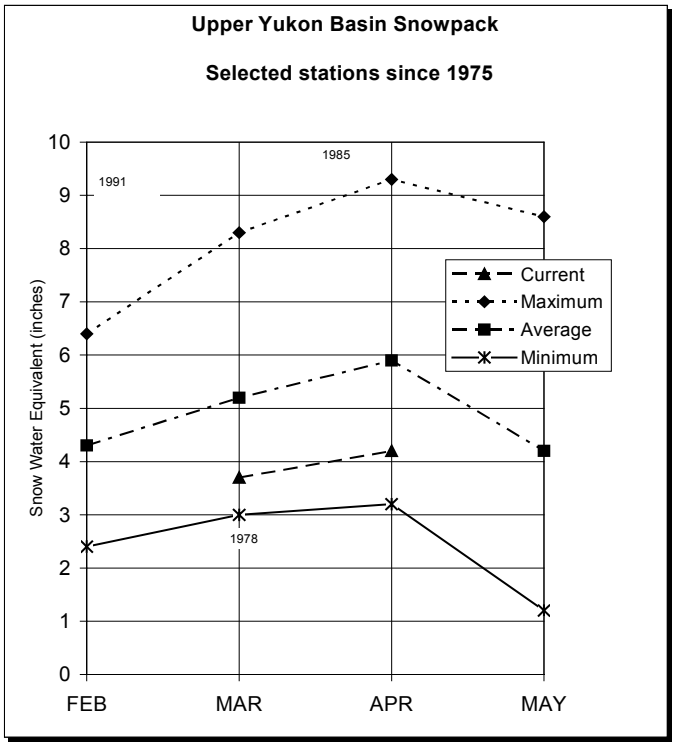
HOW FORECASTS ARE MADE

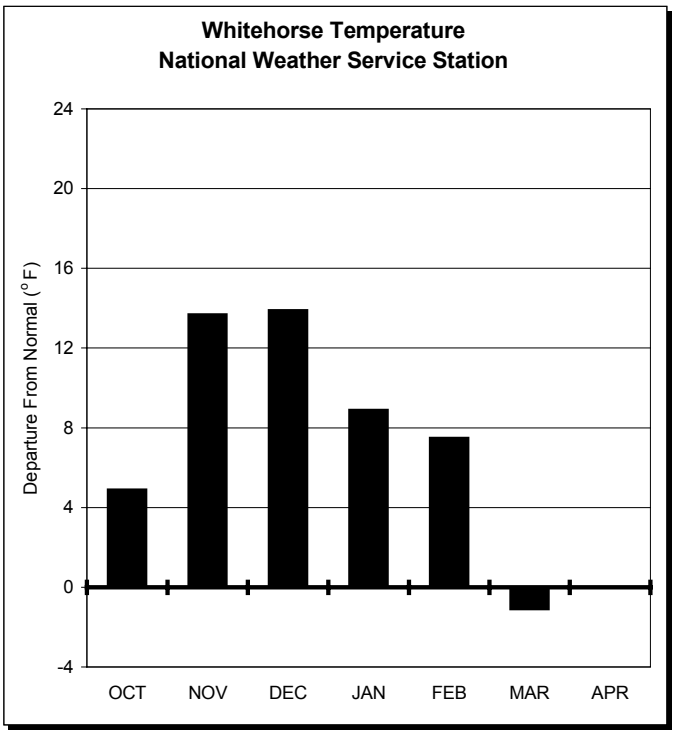
Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of the water content in the snow at selected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

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

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

UPPER YUKON BASIN*





Current Basin Conditions

The Log Cabin snow course remained unchanged from last month with 8.1 inches of snow water content, which is 55 percent of normal, down from 63% of normal in February. The Stewart/Pelly Basin and the Dawson area snow courses are 82 percent of normal water content. The Stewart/Pelly is 11 percent closer to normal and the Dawson area is 5 percent dryer than normal compared to last month. The White River remains low at 55 percent of normal, up 5 percent from last month and the Whitehorse/Tetlin area is 73 percent of normal, similar to the 72 percent of normal last month.

* 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	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Arrowhead Lake	3675	No Survey			--	---	35	7.9
Atlin	2395	3/29/03	35	3.8	22	5.5	21	4.9
Beaver Creek	2150	3/25/03	10	1.5	21	4.7	17	3.3
Burns Lake	3650	3/27/03	28	6.3	33	7.4	37	8.4
Burwash Airstrip	2660	3/25/03	7	0.9	12	2.2	9	1.7
Calumet	4300	3/26/03	35	7.3	26	4.9	36	7.6
Casino Creek	3490	3/28/03	24	3.2	26	4.2	26	4.9
Chair Mountain	3500	3/25/03	13	1.7	19	3.5	19	3.7
Duke River	4300	3/31/03	17	2.7	20	3.4	23	4.1
Edwards Lake	2720	3/26/03	25	4.7	23	4.2	30	6.7
Finlayson Airstrip	3240	3/27/03	19	3.7	19	3.3	23	4.8
Fuller Lake	3690	3/26/03	33	7.7	28	4.8	34	7.9
Grizzly Creek	3200	3/27/03	33	6.8	26	5.7	32	6.9
Hoole River	3400	3/27/03	14	2.8	24	3.9	24	5.2
Jordan Lake	3050	3/27/03	23	4.0	24	4.6	24	5.2
King Solomon Dome	3540	3/26/03	27	4.7	30	5.4	29	6.0
Log Cabin (B.C.)	2900	3/25/03	34	8.1	55	18.4	49	14.6
Mayo Airport	1770	3/25/03	14	2.4	17	2.5	17	3.7
MacIntosh	3805	3/28/03	14	2.0	22	3.5	21	3.8
Meadow Creek	4050	3/26/03	39	6.2	48	11.9	42	10.4
Midnight Dome	2805	3/26/03	25	3.8	24	4.1	28	5.8
Montana Mountain	3350	3/31/03	22	5.3	26	5.7	25	5.5
Morley Lake	2700	3/27/03	28	6.1	26	5.8	25	5.9
Mount Nansen	3350	3/28/03	12	2.0	18	2.8	17	3.0
Mt. Berdoe	3400	3/28/03	14	2.5	25	4.4	22	4.2
Mt. McIntyre B	3600	4/02/03	24	4.3	23	4.9	28	5.9
Pelly Farm	1550	3/31/03	11	1.9	15	2.6	15	3.0
Plata Airstrip	2720	3/26/03	30	7.2	24	4.1	33	7.5
Rackla Lake	3410	3/26/03	30	6.1	26	4.4	37	8.2
Russell Lake	3480	3/26/03	33	7.5	32	5.9	37	8.9
Satasha Lake	3805	3/28/03	23	1.4	21	3.9	21	4.3
Tagish	3540	3/28/03	21	4.2	25	5.6	26	5.5
Twin Creeks	2950	3/26/03	28	6.9	29	5.9	32	7.3
White River	2700	No Survey			--	---	16	3.0
Whitehorse Airport	2300	4/01/03	16	3.2	23	4.9	19	3.9
Williams Creek	3000	3/28/03	11	1.7	20	3.3	18	3.5
Withers Lake	3200	3/26/03	34	7.8	30	5.4	39	9.4

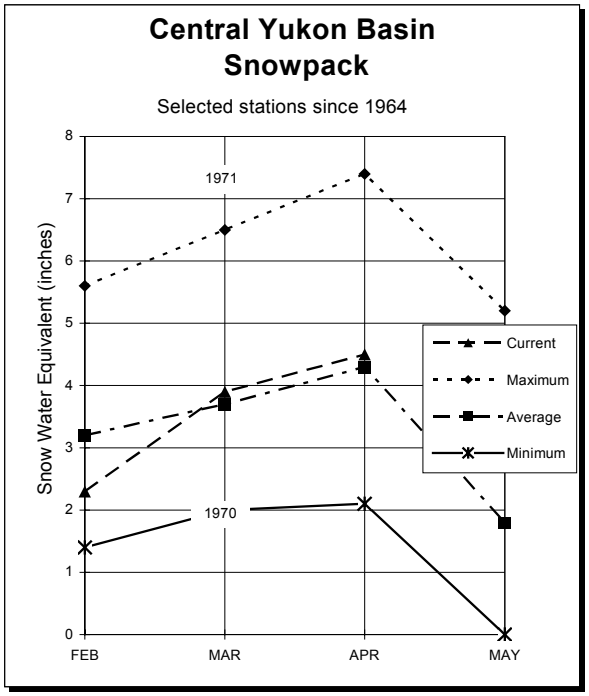
STREAMFLOW FORECASTS

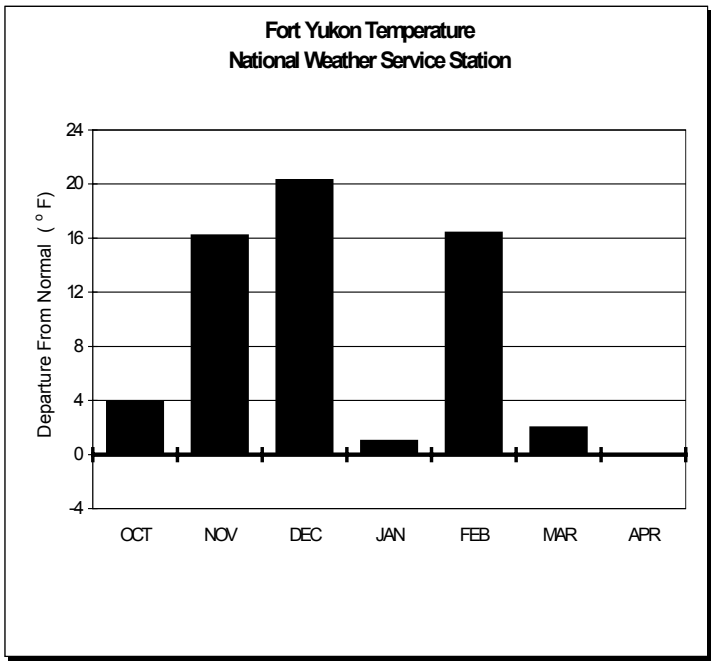
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Yukon River At Eagle	Apr-Jul	34200	28590	84	33180	24000

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Above Whitehorse/ Tetlin	9	67	73
Dawson	3	101	82
Stewart/ Pelly	13	122	82
White River	6	54	55

CENTRAL YUKON BASIN*





Current Basin Conditions

The Forty Mile Basin is 107 percent of normal with Boundary snow course being 113 percent and Mt. Fairplay 121 percent of normal. Mission Creek at Eagle is 90 percent of normal.

The snow depth varies significantly in the Yukon-Charlie. Copper Creek has 3 inches on the ground, with the tops of the tussocks visible. Three Fingers snow course, in the headwaters, has 33 inches of snow depth.

The Yukon Flat snow course water contents are 102 percent of normal and 144 percent of last year's water contents.

The White Mountains are 77 percent of normal and 146 percent of last year's water contents.

The forecasted flow for the Yukon River near Stevens Village is 87 percent of normal for the April through July time period, at 42 million acre-feet.

* 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	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)				(inches)			
Borealis	1330	3/26/03	21	3.6	15	2.9	28	5.6
Boundary	3300	4/02/03	28	6.0	22	5.0	25	5.3
Cathedral Creek	1800	4/01/03	31	6.6	14	2.5	--	--
Chicken Airstrip	1650	4/02/03	15	3.1	16	3.2	16	3.2
Circle City	600	3/31/03	28	4.9	17	2.0	26	4.5
Circle Hot Springs	860	3/31/03	29	5.1	17	2.5	23	4.3
Coal Creek	1000	No Survey			16	2.5	--	---
Copper Creek	2000	4/01/03	3	0.6	12	2.0	--	---
Cresent Creek	2600	4/01/03	13	2.5	--	---	--	---
Eagle Plains	2330	3/27/03	31	6.4	24	4.2	32	7.0
Eagle River	1120	3/27/03	26	4.7	23	4.1	27	5.5
Fort Yukon	430	4/01/03	20	4.1	14	2.0	20	3.8
Fossil	1400	3/26/03	22	4.1	15	2.6	--	---
Graphite Lake	600	No Report			15	2.1	--	---
Hess Creek	1000	3/27/03	22	4.4	21	4.3	26	5.4
Lost Chicken Hill	2100	4/02/03	16	4.0	18	3.6	--	---
Lower Beaver Creek	400	No Report			16	2.9	--	---
Mission Creek	900	3/25/03	18	3.7	14	2.4	18	4.1
Mt. Fairplay	3100	4/02/03	22	5.2	21	5.1	20	4.3
Old Crow	980	3/28/03	29	4.0	23	3.5	25	4.6
Riff's Ridge	2130	3/27/03	26	5.1	19	3.3	29	5.7
Seven Mile	600	3/27/03	24	4.8	24	5.6	26	5.2
Stack Pup Creek	1620	3/31/03	28	4.8	17	2.1	25	4.4
Step Mountain	2850	4/01/03	31	6.4	0	0.0	--	---
Tacoma Bluff	1450	4/01/03	23	4.4	14	2.4	--	---
Thirty Mile	1350	3/27/03	35	7.8	29	6.6	37	8.1
Three Fingers	3350	4/01/03	33	6.9	16	2.3	--	---
Vunzik Lake	500	No Report			14	2.5	--	---
Windy Gap	1900	3/25/03	26	5.7	17	3.4	--	---
Wolf	1200	3/26/03	23	4.1	18	3.1	--	---

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Yukon River near Stevens Village	Apr-Jul	48200	41760	87	49010	34510

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

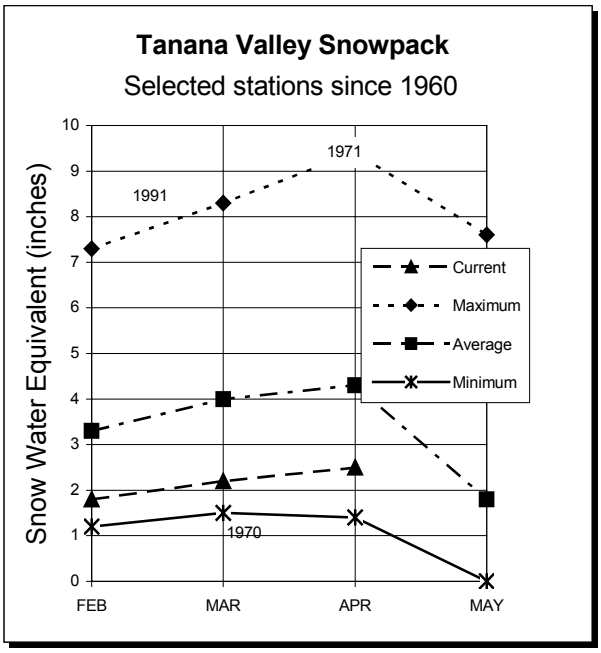
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Atigun Pass**	4800	3/31/03	6.9	5.1	6.0	115
Chandalar Shelf**	3300	3/31/03	6.5	4.5	5.3	123
Eagle Summit	3650	4/01/03	5.8	3.9	6.3	92
Fort Yukon	430	4/01/03	3.8	3.4	--	--
Mission Creek	900	3/25/03	5.6	3.4	5.2	108

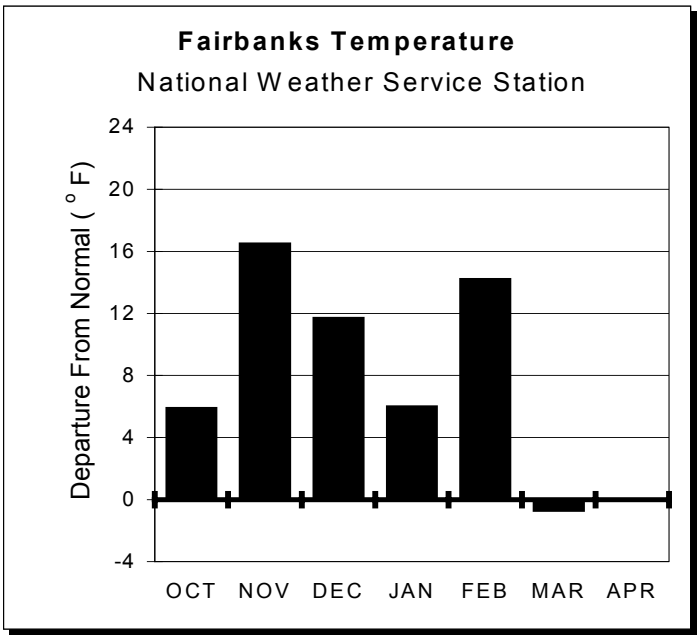
**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Forty Mile	5	114	107
Porcupine (Y.T.)	4	134	89
White Mountain	4	146	77
Yukon Flats	3	144	102

TANANA BASIN*





Current Basin Conditions

The Fort Greely snow course has 4 inches of snow with 0.4 inches of water content, a record low for April 1st. This dry condition persists to the west. North of the Alaska Range in McKinley National Park, the Rock Creek Bottom snow course has 4 inches of snow depth with 0.5 inches of water content. Lake Minchumina continues to have a record low water content of 1.8 inches.

In the lee of the Wrangle-St. Elias Mountains, low moisture conditions are evident from Northway southeast, as indicated by Paradise Hill snow course and the Beaver Creek snow course in the Yukon Territories. Paradise Hill has 11 inches of snow and 1.7 inches of water content, a record low volume for April 1st.

North of Fairbanks, the moisture conditions increase where Cleary Summit is 75 percent of normal water content.

The Chena River volume flow forecast is 93 percent of normal volume for the April through July time period.

* 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	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Bonanza Creek	1150	4/01/03	9	2.5	12	2.8	23	5.0
Caribou Creek	1250	3/31/03	16	3.5	11	1.7	23	5.0
Caribou Mine	1150	3/31/03	24	4.7	20	2.7	27	5.6
Caribou Snow Pillow	900	3/31/03	18	3.8	11	1.7	23	4.8
Cleary Summit	2230	4/01/03	23	5.0	19	2.8	31	6.7
Colorado Creek	700	4/01/03	13	2.9	18	2.7	23	4.7
Edgar Creek	2400	4/02/03	15	2.3	19	4.3	--	---
Fairbanks FO	450	4/01/03	16	3.1	14	2.2	23	4.5
Faith Creek	1900	3/31/03	25	4.8	16	2.3	28	4.9
Fielding Lake	3000	3/26/03	36	8.8	25	6.1	46	12.0
Fort Greely	1500	3/28/03	4	0.4	16	3.1	17	3.6
French Creek	1800	3/27/03	16	2.7	20	4.0	27	6.4
Gerstle River	1200	3/27/03	11	1.4	16	3.3	18	3.4
Gold King	1700	4/02/03	9	1.5	19	3.8	--	---
Granite Creek	1240	3/27/03	11	2.4	16	3.2	18	3.8
Haystack Mountain	1950	4/01/03	26	4.8	--	--	---	---
Jatahmund Lake	2180	3/31/03	18	3.0	19	3.1	--	---
Kantishna	1550	4/02/03	20	3.0	22	2.9	--	---
Lake Minchumina	730	4/02/03	14	1.8	14	2.1	21	4.4
Little Chena Bottom	1460	3/31/03	13	2.1	15	2.1	21	4.3
Little Chena Ridge	2000	3/31/03	26	5.5	20	4.0	28	5.9
Lost Creek	3030	3/30/03	23	4.6	--	---	--	---
Mentasta Pass	2430	3/26/03	28	6.2	20	4.4	28	6.7
Monument Creek	1850	3/31/03	28	5.4	17	2.6	25	5.2
Mt. Ryan	2800	3/31/03	35	7.6	18	3.9	31	6.8
Munson Ridge	3100	3/31/03	32	6.2	24	3.8	38	9.1
Paradise Hill	2200	3/31/03	11	1.7	21	4.0	--	---
Ptarmigan Airstrip	2400	4/02/03	12	2.0	15	2.9	--	---
Ptarmigan Creek	2230	3/31/03	25	4.5	17	2.4	19	3.8
Rock Creek Bottom	2250	3/28/03	4	0.5	15	2.0	--	---
Rock Creek Ridge	2600	3/28/03	4	0.5	14	1.6	--	---
Shaw Creek Flats	980	3/28/03	4	0.8	13	2.5	16	3.4
Stampede	1800	4/03/03	7	0.9	New		--	---
Teuchet Creek	1640	3/31/03	22	3.9	19	3.1	23	4.4
Tok Junction	1650	3/26/03	16	2.8	25	5.2	19	3.6
Upper Chena	3000	3/31/03	32	6.8	18	3.7	33	7.8
Upper Chena Pillow	2850	3/31/03	34	7.0	26	3.9	32	7.5
Upper Wood River	2400	4/02/03	15	2.5	14	2.1	--	---

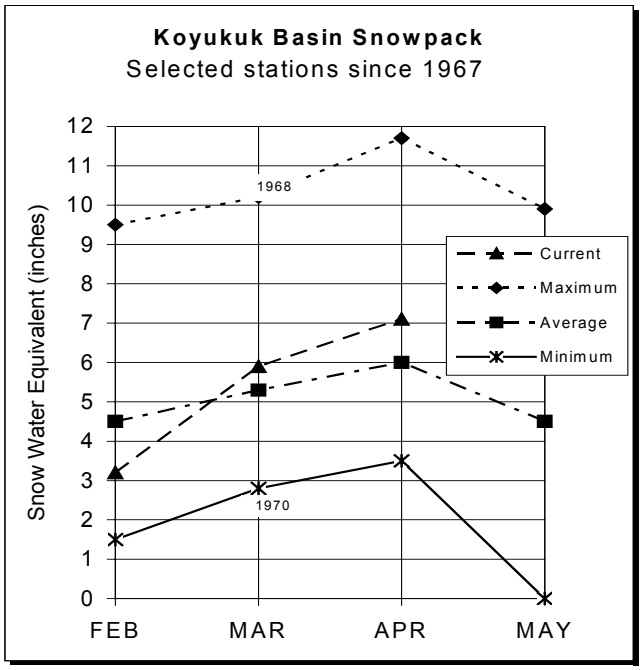
STREAMFLOW FORECASTS

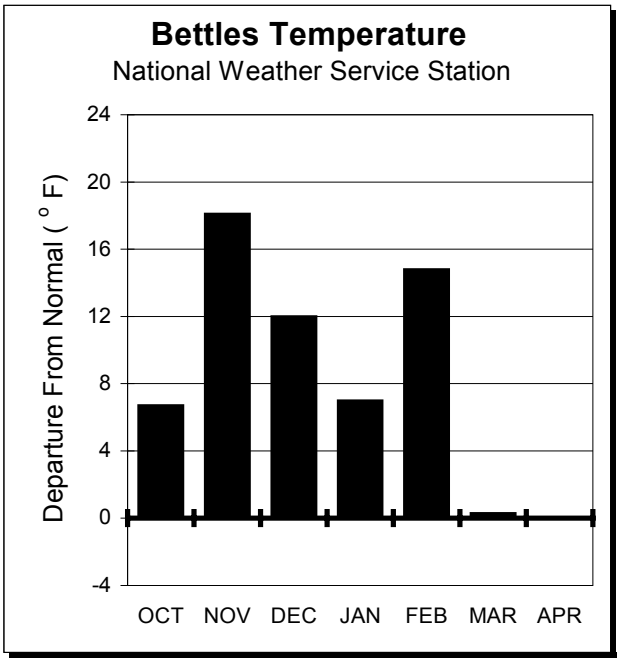
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Tanana River at Fairbanks	Apr-Jul	7100	6860.0	97	7750	5970
Little Chena R. near Fairbanks	Apr-Jul	78	74.0	95	99	49
Chena River near Two Rivers	Apr-Jul	270	250.0	93	360	138
Salcha River near Salchaket	Apr-Jul	625	530.0	85	745	315
Tanana River at Nenana	Apr-Jul	9000	8350.0	93	9710	6990

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Chatanika	4	201	77
Chena Basin	7	145	84
Lower Tanana Valley	8	65	34
Mid Tanana Valley (Delta Junction)	6	75	53
Upper Tanana Valley (Tok)	4	53	67

WESTERN INTERIOR BASINS*





Current Basin Conditions

Koyukuk

Bettles Field and Bonanza Forks snow courses are both 136 percent of normal snow water content. Coldfoot, Disaster Creek and Table Mountain are more than 120 percent of normal snow water content.

Kuskokwim

The area of the Basin north of the Alaska Range has near record low snow conditions, as shown by the Lake Minchumina snow course water content of 1.8 inches. This is 41 percent of normal and a new minimum of record snow water content.

To the west and south, McGrath snow course increases to 91 percent of normal water content, and water contents closer to normal, are observed as elevation increases in the Basin.

Lower Yukon

The Innoko snow course water contents are 79 percent of last year. To the south and west of this area the snowpack disappears.

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

Western Interior Basins

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Koyukuk								
Bettles Field	640	3/26/03	38	9.4	29	6.6	32	6.9
Bonanza Forks	1200	3/27/03	34	7.6	23	5.8	27	5.6
Coldfoot	1040	3/27/03	36	8.5	25	5.3	31	6.9
Disaster Creek	1550	3/27/03	27	5.5	20	3.9	23	4.4
Kaldoyeit	580	3/28/03	18	3.9	22	4.5	--	---
Kanuti-Chelatna	550	3/28/03	27	5.7	24	5.3	--	---
Kanuti-Kilolitna	550	3/28/03	22	3.8	26	5.8	--	---
Lake Todatonen	550	4/02/03	27	5.6	29	5.8	28	5.5
Minnkokut	580	3/28/03	34	7.0	28	6.0	--	---
Nolitna	560	3/28/03	25	5.5	25	5.5	--	---
Table Mountain	2200	3/27/03	27	5.9	18	3.5	24	4.9
Taiholman	540	3/28/03	6	1.5	0	0.0	--	---
Kuskokwim								
Lake Minchumina	730	4/02/03	14	1.8	14	2.1	21	4.4
McGrath	340	4/04/03	23	6.2	23	5.6	30	6.5
Purkeypile Mine	2030	4/02/03	8	1.0	32	4.2	--	---
Telaquana Lake	1550	3/31/03	6	0.6	24	5.2	--	---
Lower Yukon								
Grouch Creek	220	3/31/03	19	4.6	--	---	--	---
Holikachuk	100	3/31/03	26	6.8	37	9.5	--	---
Horsefly Creek	180	3/31/03	21	5.1	28	6.8	--	---
Innoko Cabin	200	No Survey			23	4.6	--	---
Menotl Creek	380	3/31/03	32	8.6	33	8.3	--	---
Middle Innoko	150	3/31/03	23	6.0	36	9.3	--	---
Tozikaket	600	3/12/03	13	1.5	20	3.4	24	5.0
Upper Innoko	180	3/31/03	28	7.5	39	9.5	--	---
Wapoo Hills	220	3/31/03	22	5.5	31	7.7	--	---
Yankee Slough	100	3/31/03	33	8.9	39	10.3	--	---
Yetna River	120	No Report			34	8.2	--	---

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kuskokwim River at Crooked Creek	Apr-Jul	10500	10000	95	13250	6750

PRECIPITATION DATA

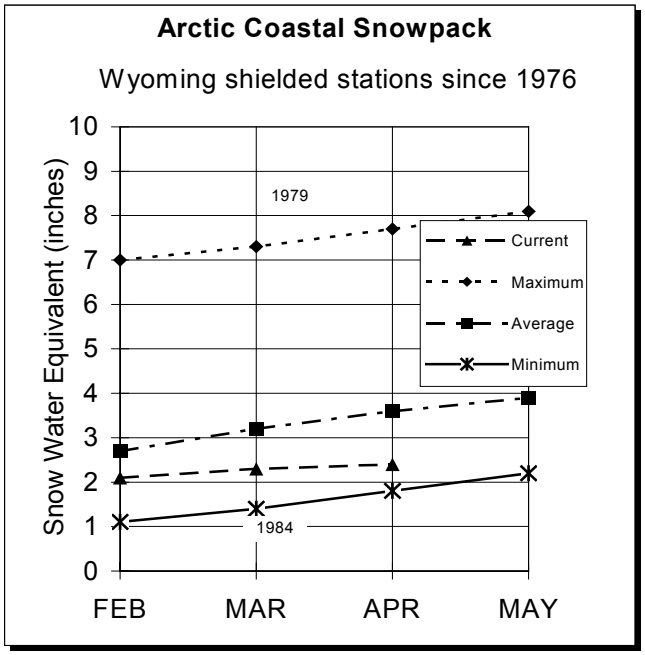
INCHES ACCUMULATED SINCE OCTOBER 1st

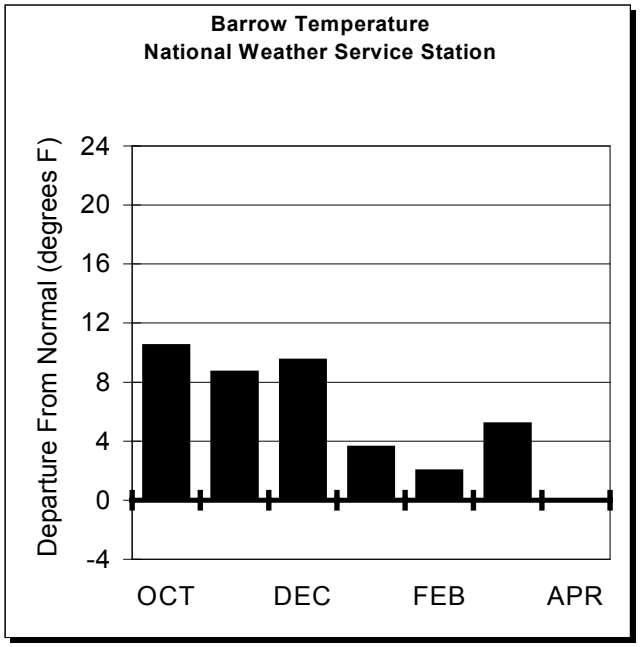
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Bettles Field	640	3/26/03	7.9	6.6	6.7	118
Coldfoot	1040	3/29/03	9.4	5.8	6.7	140
Gobblers Knob	2030	3/27/03	10.5	7.0	6.8	154

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Koyukuk	5	147	129
Upper Kuskokwim	3	76	56
Lower Yukon	7	79	102

ARCTIC AND KOTZEBUE SOUND*





Current Basin Conditions

Arctic

Atigun Pass continues to have above normal readings with 56 inches of snow and 6.9 inches of water content received since October 1st at the Wyoming shielded precipitation gauge. This is 115 percent of normal.

Barrow remains below normal at 67 percent of normal.

Kotzebue

The Kugarak Camp snow course was measured the first week of March and at that time had 27 inches of snow with an estimated 5.0 inches of water content.

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

Arctic and Kotzebue Sound

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Kugarak	225	3/07/03	27	5.0	20	4.2	--	---

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Arctic						
Atigun Camp	3400	3/31/03	2.8	2.2	5.0	56
Atigun Pass	4800	3/31/03	6.9	5.1	6.0	115
Barrow	25	4/03/03	2.0	1.7	3.0	67
Imnaviat Creek	3050	No Report		2.5	3.0	---
Prudhoe Bay	30	No Report		2.9	3.8	--
Kotzebue Sound						
Kivalina	50	3/31/03	3.0	2.3	--	
Red Dog**	950	3/31/03	4.8	3.8	6.3	76

** Wyoming Shielded Gauge

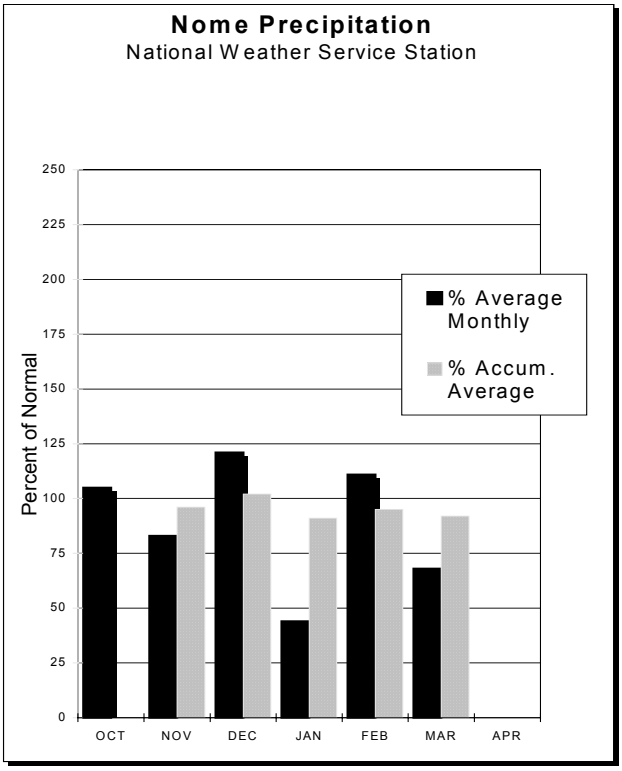
STREAMFLOW FORECASTS

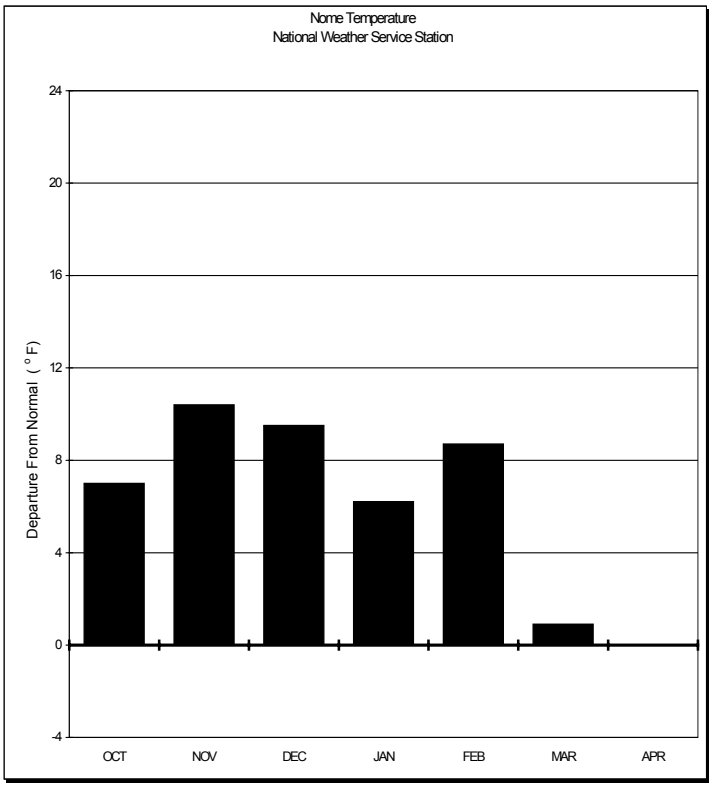
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Sagvanirktok River near Pump Station 3	May- Jul	685	665	97	795	535
Kuparuk River near Deadhorse	April - Jul	795	670	84	920	420

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Arctic Coast	1	118	67
Dalton Highway	2	136	88

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*





Current Basin Conditions

Norton Sound

The Rocky Point SNOTEL site, on the coast of Norton Sound, had 16 inches of snow at the end of March. The site has caught 5.2 inches of precipitation since October 1st, more than twice last year's catch by this date.

Southwest Delta/Bristol Bay

The winter-long trend continues in the region through March, leaving much of the lower elevations without snow.

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

Norton Sound / Southwest Delta / Bristol Bay

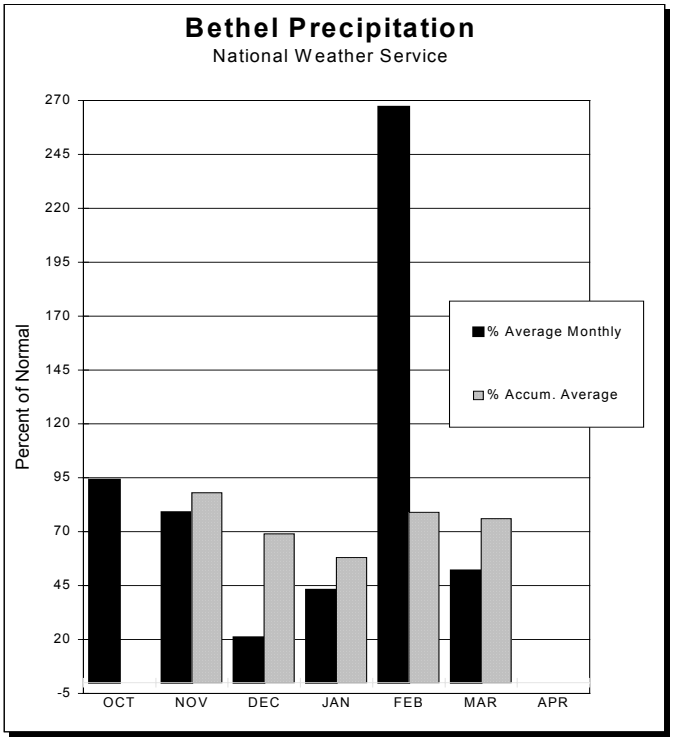
SNOWPACK DATA

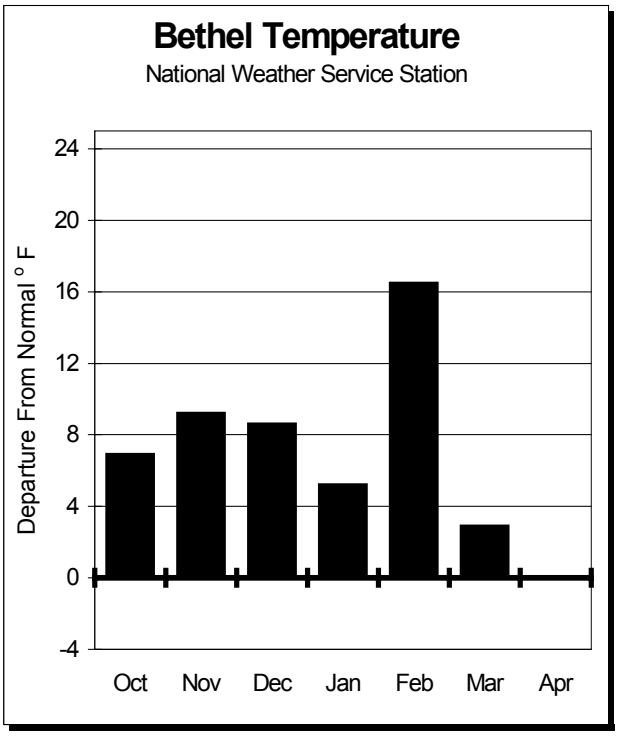
Snow Course	Elev.	Date	THIS YEAR Snow Depth	THIS YEAR Water Content	LAST YEAR Sow Depth	LAST YEAR Water Content	1971-2000 AVERAGE Snow Depth	1971-2000 AVERAGE Water Content
	(feet)		(inches)					
Bristol Bay								
Brooks Camp	150	No Survey			--	---	--	---
Fishtrap Lake	1800	No Survey			38	9.8	--	---
Port Alsworth	270	4/01/03	0	0.0	14	4.6	--	---
Three Forks	900	No Survey			--	---	--	---
Upper Twin Lakes	2000	No Survey			32	7.3	--	---

PRECIPITATION DATA

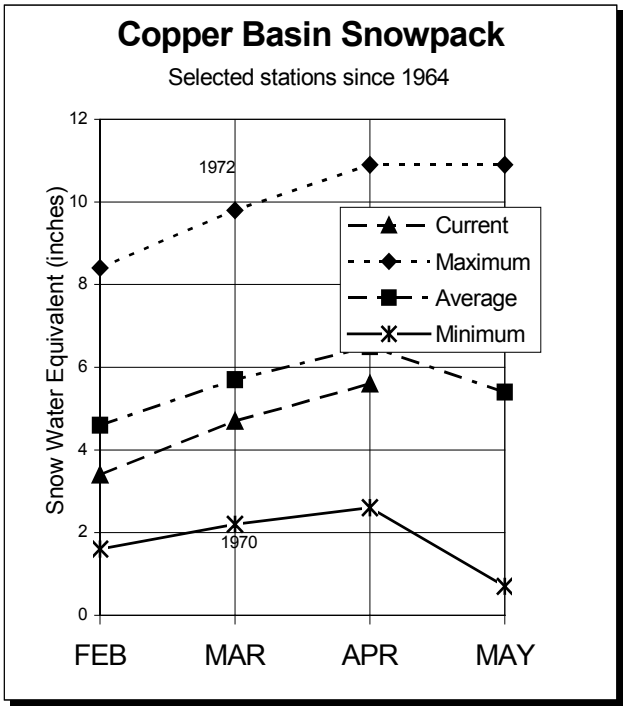
INCHES ACCUMULATED SINCE OCTOBER 1ST

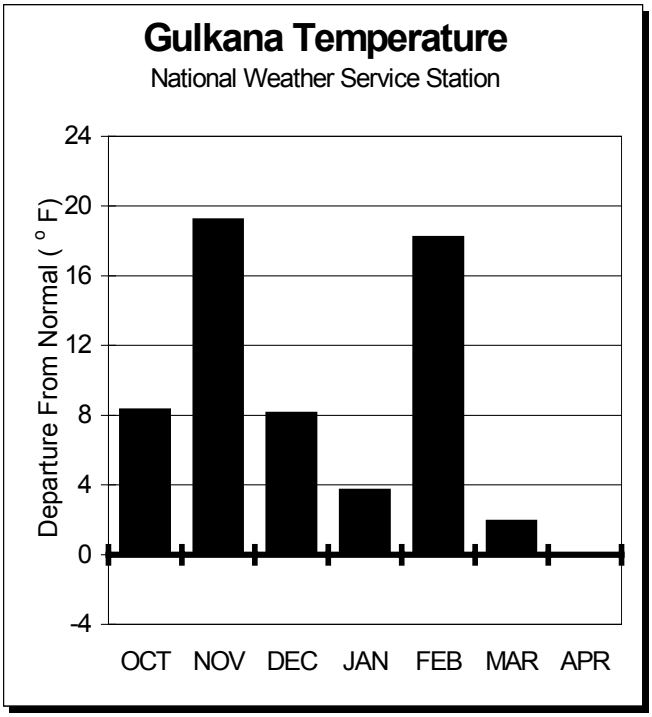
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Pargon Creek	100	3/31/03	6.0	4.0	---	--
Rocky Point	500	3/31/03	5.2	2.2	---	--





COPPER BASIN*





Current Basin Conditions

The east side of the Basin, around the Wrangle-St. Elias Mountains, is 78 percent of normal. North of the mountains is very dry, as indicated by the Chokosna snow course, which is 54 percent of normal. The south side of the Alaska Range and the Basin Floor are 80 percent of normal, and the east side of the Talkeetna Mountains is 97 percent of normal. The south side of the Basin, north of the Chugach Range, is 73 percent of normal.

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

Copper Basin

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)				(inches)			
Chisana	3320	4/01/03	16	3.0	13	2.2	--	---
Chistochina	2170	3/26/03	19	4.0	18	3.3	22	4.1
Chokosna	1550	3/31/03	9	2.1	18	2.8	--	---
Dadina Lake	2160	3/27/03	14	4.0	28	5.9	27	5.9
Haggard Creek	2540	3/26/03	28	6.1	23	4.8	29	6.3
Horsepasture Pass	4300	3/27/03	33	7.4	27	5.7	29	6.4
Kenny Lake School	1300	4/01/03	13	3.5	17	2.9	17	3.7
Lake Louise	2400	3/28/03	16	3.4	22	3.7	23	4.6
Little Nelchina	2650	3/28/03	15	2.9	23	4.3	--	---
Lost Creek	3030	3/30/03	23	4.6	18	13.9	--	---
May Creek	1610	4/01/03	16	3.2	23	4.0	--	---
Mentasta Pass	2430	3/26/03	28	6.2	20	4.4	28	6.7
Monsoon Lake	3100	3/28/03	20	4.4	22	4.6	28	6.4
Paxson	2650	3/26/03	30	6.8	20	4.8	32	7.8
Sanford River	2280	3/27/03	13	4.8	28	5.9	28	6.2
St. Anne Lake	1990	3/28/03	18	3.7	20	4.0	25	5.5
Tazlina	1225	4/03/03	10	2.5	21	13	--	---
Tolsona Creek	2000	3/31/03	16	3.2	23	4.1	22	4.1
Tsina River	1650	4/01/03	46	14.5	49	12.8	57	17.6
Twin Lakes	2400	3/28/03	17	3.2	21	4.4	28	6.4
Worthington Glacier	2100	4/01/03	54	22.0	61	22.9	72	24.9

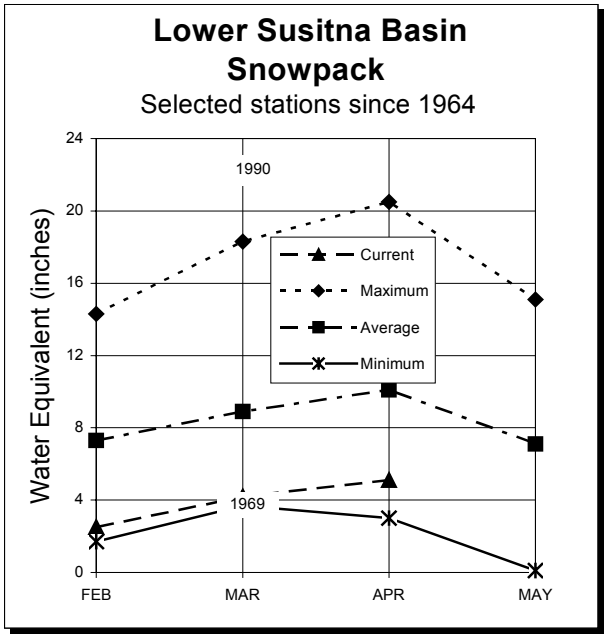
STREAMFLOW FORECASTS

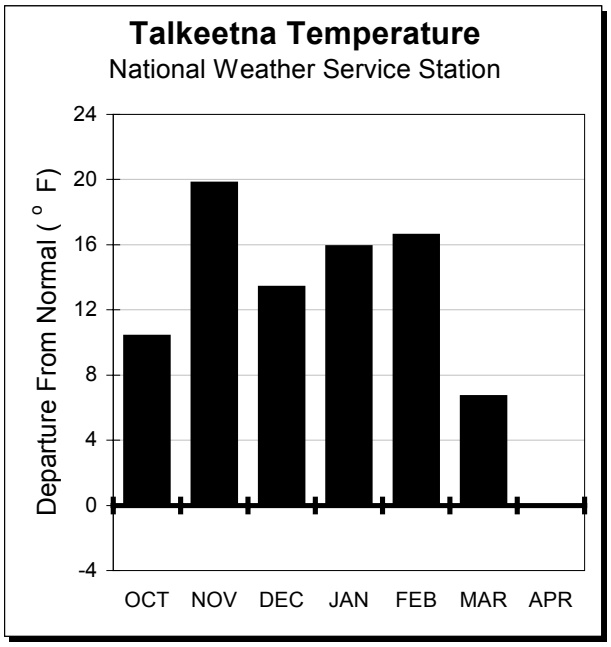
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Gulkana River at Sourdough	Apr-Jul	475	440.0	93	585	295

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Alaska Range	4	132	80
Basin Floor	6	99	80
Chugach Range	3	92	67
Talkeetna Mountains	3	112	97
Wrangell Mountains	6	88	78

MATANUSKA - SUSITNA BASINS*





Current Basin Conditions

The Talkeetna snow course continues its winter-long trend of record low snow water contents, with 8 inches of snow with 2.1 inches of water content observed. The previous record was in 1970 with 11 inches of snow and 2.6 inches of water content. The lower elevations on the east side of the Basin are less than 50 percent of normal while the west side is about 70 percent of normal.

In the Little Susitna basin, the low elevation snow courses are less than 50 percent of normal while the Independence Mine and Fishhook Basin, snow courses at Hatcher Pass, above 3300 feet, are just below normal at 95 and 98 percent, respectively.

The Upper Susitna Basin is 78 percent of normal, with Monahan Flat reading 65 percent and Horsepasture Pass 116 percent of normal water content.

The Snowmelt Runoff Index for the Deshka River at the mouth near Willow is -2.6, much below 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	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Alexander Lake	160	3/31/03	28	8.2	37	8.9	44	12.0
Archangel Road	2200	3/26/03	31	8.0	39	9.5	5.0	16.3
Bentalit Lodge	150	No Survey			--	---	--	---
Blueberry Hill	1200	3/24/03	41	10.6	29	7.4	58	16.0
Chelatna Lake	1450	3/28/03	35	8.8	35	9.3	44	11.6
Clearwater Lake	2650	3/27/03	20	3.3	21	4.0	27	5.7
Denali View	700	3/24/03	33	8.2	26	6.3	50	13.4
Dunkle Hills	2700	No Report			New		--	--
Dutch Hills	3100	3/28/03	75	24.0	58	17.0	80	27.5
E. Fork Chulitna	1800	3/24/03	44	12.1	31	8.0	54	14.0
Eldridge Glacier	3400	3/29/03	32	8.3	New		--	---
Fishhook Basin	3300	4/01/03	64	20.1	46	12.7	64	20.5
Fog Lakes	2120	3/28/03	18	3.4	19	3.7	28	6.2
Halfway Slough	350	3/24/03	6	1.4	New		--	---
Independence Mine	3550	4/01/03	73	23.2	54	16.0	70	24.2
Lake Louise	2400	3/28/03	16	3.4	22	3.7	23	4.6
Little Susitna	1700	3/26/03	24	5.8	37	8.3	43	13.3
Moose Creek Ranch	450	3/28/03	2	0.3	22	4.3	--	---
Monahan Flat	2710	3/28/03	26	5.3	23	4.5	35	8.1
Nugget Bench	2010	3/28/03	45	11.8	34	9.5	55	15.5
Ramsdyke Creek	2220	3/28/03	61	17.0	51	16.5	69	22.0
Sheep Mountain	2900	3/28/03	21	4.9	25	5.1	26	6.0
Skwentna	160	3/31/03	26	8.2	35	8.6	42	11.6
Square Lake	2950	3/27/03	22	3.8	19	3.6	22	4.2
Susitna Valley High	375	3/24/03	10	2.4	26	5.7	39	9.5
Talkeetna	350	3/24/03	8	2.1	22	4.5	34	8.7
Tokositna Valley	850	3/28/03	46	12.5	51	14.5	62	18.7
Tyone River	2500	3/27/03	21	4.2	21	3.8	--	---
West Fork Yentna	950	No Survey			New		--	---
Willow Airstrip	200	3/24/03	7	1.7	28	5.8	31	8.1

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Little Susitna River near Palmer	Apr-Jul	86	71.0	83	86	56
Talkeetna River near Talkeetna	Apr-Jul	1630	2490.0	91	1740	1240

PRECIPITATION DATA

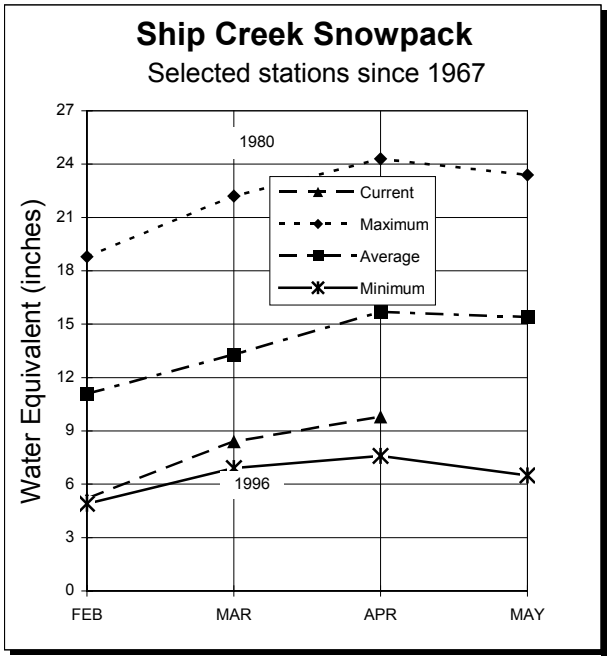
INCHES ACCUMULATED SINCE OCTOBER 1ST

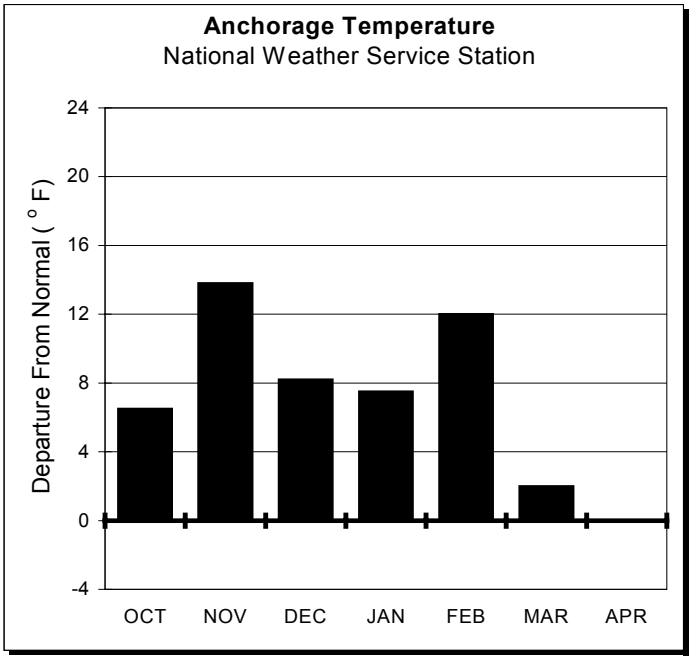
Precipitation Gauge	Elevation (ft.)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Independence Mine	3550	4/04/03	21.0	12.9	--	--
Susitna Valley High	375	3/24/03	13.0	5.9	11.7	111

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lower Susitna	4	73	50
Matanuska/Little Susitna	5	120	77
Peters Hills	4	114	78
Upper Susitna	5	111	78

NORTHERN COOK INLET*





Current Basin Conditions

The indicator snow courses for the Ship Creek Basin have the following percent of normal water content: Anchorage Hillside, 43 percent; Arctic Valley #4, 31 percent; and Indian Pass , 73 percent. The forecasted flow volume for Ship Creek for the April through July time period is 60 percent of normal, at 35,000 acre-ft.

At the end of Turnagain Arm, the Portage Valley snow course had no snow last month; however, during March it gained 21 inches of depth with 4.2 inches of water content.

The Chuitna River, near Tyonik, has a snowmelt runoff index of -2.3, much below average.

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

Northern Cook Inlet

SNOW PACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Anchorage Hillside	2080	3/27/03	16	4.5	44	10.7	38	10.4
Arctic Ski Bowl	3000	3/28/03	21	5.4	43	9.8	43	14.0
Arctic Valley #1	500	3/28/03	1	0.2	30	6.2	14	3.6
Arctic Valley #2	1000	3/28/03	2	0.4	35	7.0	20	5.1
Arctic Valley #3	1450	3/28/03	10	2.1	41	8.6	28	7.3
Arctic Valley #4	2030	3/28/03	13	2.4	41	8.6	29	7.7
Chuitna Plateau	1540	3/31/03	76	24.3	77	27.7	72	27.2
Congahbuna Lake	500	3/31/03	17	4.8	38	8.7	38	10.8
Granite Point	250	3/31/03	3	1.0	15	3.9	15	5.6
Indian Pass	2350	3/24/03	57	17.2	64	18.6	71	23.7
Kincaid Park	250	4/02/03	0	0.0	27	5.8	--	---
Lone Ridge	1675	3/31/03	67	21.4	75	25.5	86	33.1
Moraine	2100	4/01/03	11	3.1	New		--	---
Mt. Alyeska	1540	4/01/03	61	18.4	24	5.3	20	5.4
Point Mackenzie	200	3/26/03	4	0.9	90	31.1	107	36.9
Portage Valley	50	3/28/03	21	4.2	51	15.5	39	15.0
South Campbell Creek	1200	3/27/03	3	2.2	34	8.2	28	7.4

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Ship Creek near Anchorage	Apr-Jul	58.0	35.0	60	43.0	27.0

PRECIPITATION DATA

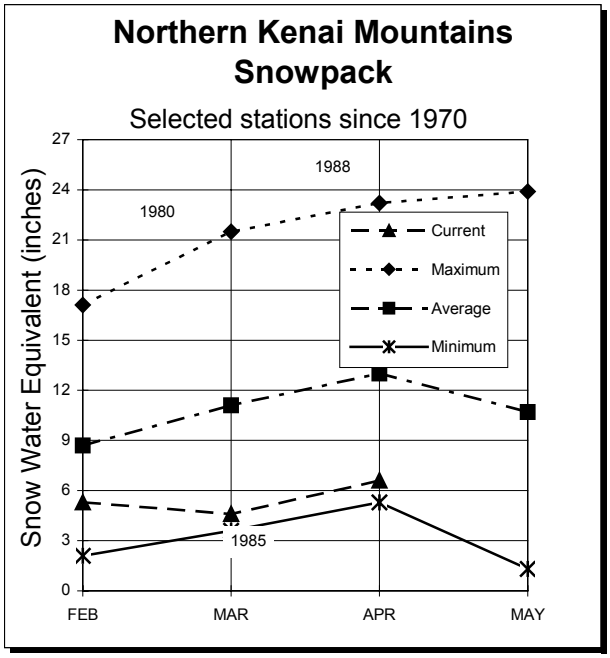
INCHES ACCUMULATED SINCE OCTOBER 1ST

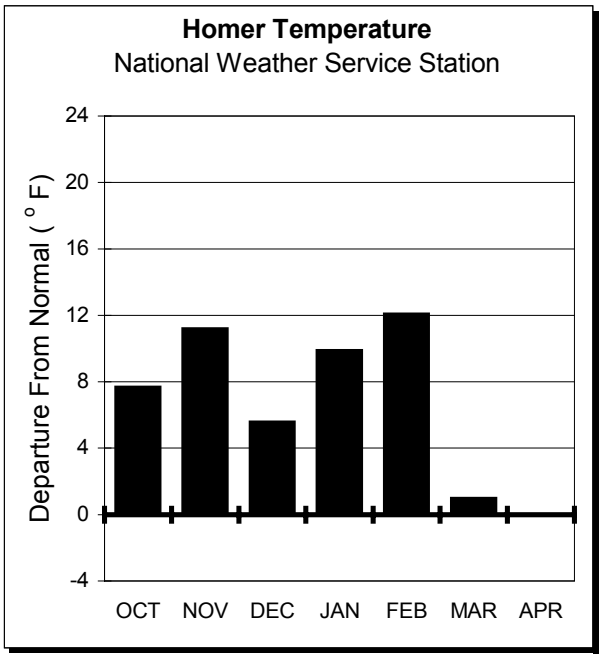
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Indian Pass	2350	4/01/03	28.2	19.7	23.9	118
Mt. Alyeska	1540	4/01/03	86.8	40.6	43.1	201
Point Mackenzie	200	3/26/03	7.5	5.1	8.1	93

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Beluga	3	82	71
Campbell Creek	2	35	38
Ship Creek	3	64	58
Turnagain Arm	2	57	61

KENAI PENINSULA*





Current Basin Conditions

Most of the Kenai Peninsula is below 50 percent of normal water content for April 1st. The Nuka Glacier snow course in the Bradley Lake basin is 51 percent of normal, with 37 inches of snow and 20 inches of water content.

On the rim above Homer, and to the east, the snow course with the most snow is Eagle Lake, with 19 inches of snow and 6 inches of water content. Towards the Caribou Hills, the discontinued Anchor River Divide snow course was measured at 21 inches of snow and 6.4 inches of water content.

All the Snowmelt Runoff indices for the Kenai Peninsula are much below average from the Anchor River to Six Mile Creek near Hope.

The forecasted flow volume for the Kenai River for the April through July time period is 91 percent of normal, based on normal weather conditions through the forecast period. The peak of the hydrograph from glacial melt is expected to be higher than the snowmelt peak.

* 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	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Anchor River Divide	1600	4/03/03	21	6.4	--	---	40	11.7
Bertha Creek	950	3/27/03	32	9.3	71	23.2	57	17.6
Bridge Creek	1300	3/31/03	10	3.4	52	16.0	44	12.9
Cooper Lake	1200	3/31/03	18	4.7	62	22.8	50	15.0
Demonstration Forest	780	3/31/03	0	0.0	33	10.2	32	9.5
Eagle Lake	1400	4/03/03	19	6.0	57	18.2	42	12.7
Grandview	1100	4/01/03	41	15.4	92	33.4	83	27.8
Grouse Creek Divide	700	3/31/03	24	7.2	67	24.0	57	18.4
Jean Lake	620	3/31/03	0	0.0	22	6.2	15	4.0
Kenai Moose Pens	300	4/01/03	3	0.5	21	5,5	15	4,1
Kenai Summit	1390	3/27/03	29	8.9	53	14.6	46	14.3
McNeil Canyon	1320	3/31/03	8	2.4	50	16.3	41	11.7
Moose Pass	700	3/27/03	7	1.5	42	13.5	21	7.1
Nanwalek	500	No Survey			--	---	--	---
Nuka Glacier	1250	4/01/03	37	20.0	135	57.5	95	39.5
Pass Creek	1200	3/30/03	15	3.9	33	8.9	32	8.6
Port Graham	300	3/31/03	5	1.4	33	8.9	32	8.6
Resurrection Pass	2250	3/30/03	26	6.5	43	14.1	--	---
Snug Harbor Road	500	3/31/03	4	1.0	26	6.6	38	10.9
Summit Creek	1400	3/27/03	22	7.0	47	12.6	43	11.7
Turnagain Pass	1880	3/28/03	80	25.7	114	44.7	106	34.9

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kenai River at Cooper Landing	Apr-Jul	925	840.0	91	950	735

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

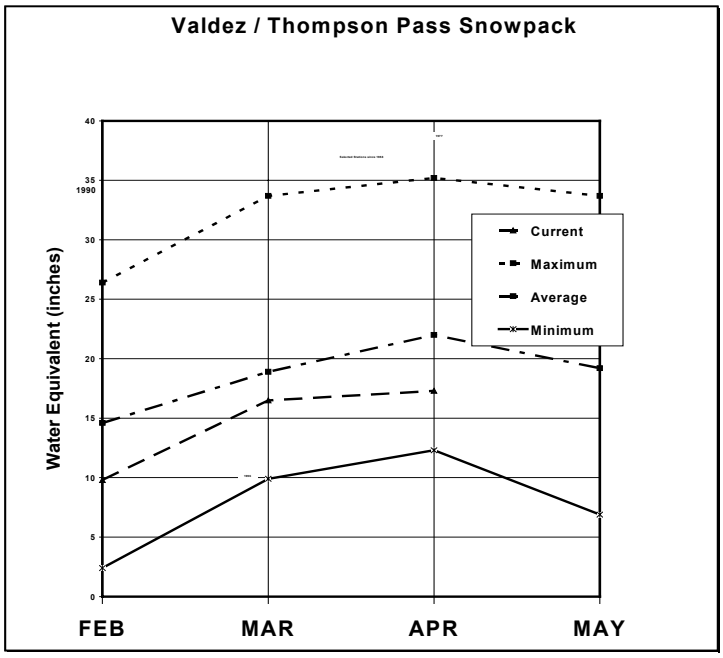
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Cooper Lake	1200	3/31/03	46.6	22.3	23.4	199
Grandview	1100	3/31/03	58.8	44.5	37.0	159
Grouse Creek Divide	700	3/31/03	55.0	36.0	35.5	155
Kenai Moose Pens	300	4/01/03	6.6	7.1	8.2	80
McNeil Canyon	1320	3/31/03	23.0	17.3	15.6	147
Middle Fork Bradley**	2300	4/01/03	69.5	22.4	34.3	203
Nuka Glacier**	1250	4/01/03	100.4	45.1	53.1	189
Summit Creek	1400	3/27/03	23.6	16.7	16.2	146
Turnagain Pass	1880	3/28/03	53.7	42.6	39.8	135

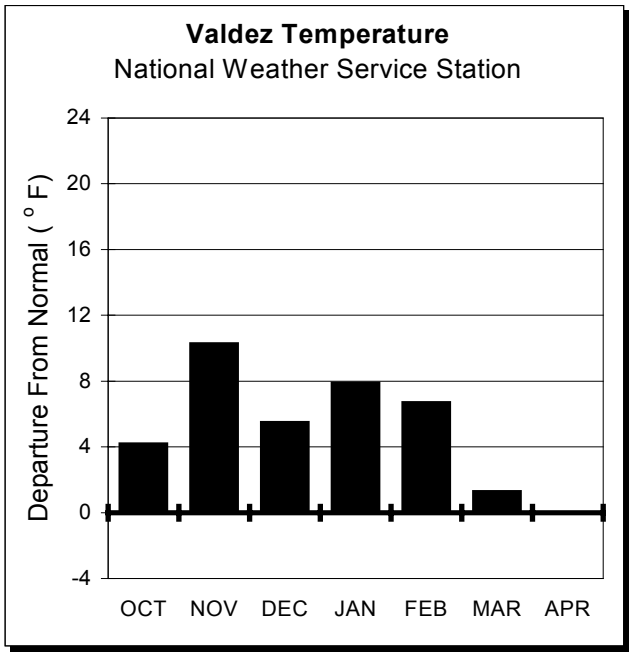
**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Bradley Lake	1	35	51
Ninilchik Dome	3	23	32
Northern Kenai Mountains	7	41	54
Northern Kenai Flats	1	9	12

WESTERN GULF*





Current Basin Conditions

The Valdez area snow courses are 86 percent of normal. The Soloman Gulch precipitation gauge has caught 48 .5 inches of precipitation since October 1st, 119 percent of normal.

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

Western Gulf

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Exit Glacier	400	3/30/03	28	9.9	66	22.3	--	---
Grouse Creek Divide	700	3/31/03	24	7.2	61	24.0	57	18.4
Lowe River	600	4/01/03	42	14.5	53	18.0	54	17.1
Nuka Glacier	1250	4/01/03	37	20.0	135	57.5	95	39.5
Sugarloaf Mountain	530	No Report			70	25.0	87	28.0
Tsina River	1650	4/01/03	46	14.5	49	12.8	57	17.6
Valdez	50	4/01/03	40	14.8	45	13.7	54	17.8
Worthington Glacier	2100	4/01/03	54	22.0	61	22.9	72	24.9

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

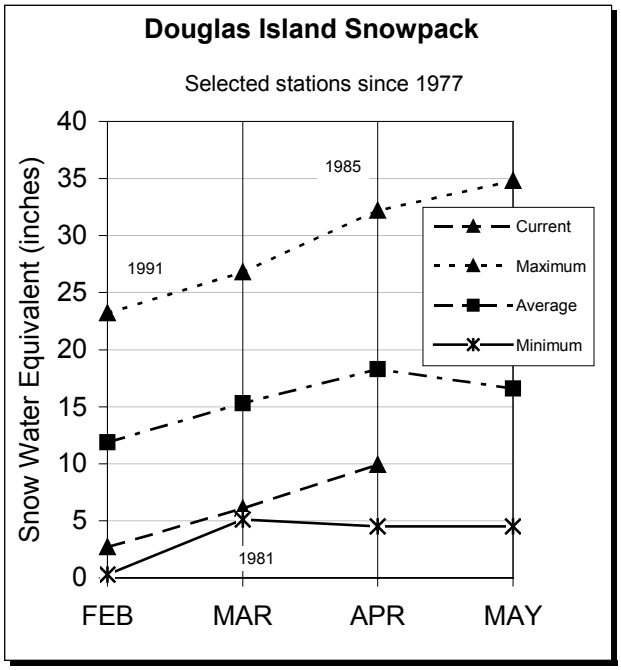
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Grouse Creek Divide	700	3/31/03	55.0	63.7	35.5	155
Nuka Glacier**	1250	4/01/03	100.4	45.1	53.1	189
Solomon Gulch*	30	3/31/03	48.5	50.4	40.7	119
Sugarloaf Mountain	55	3/31/03	60.4	56.3	42.4	142

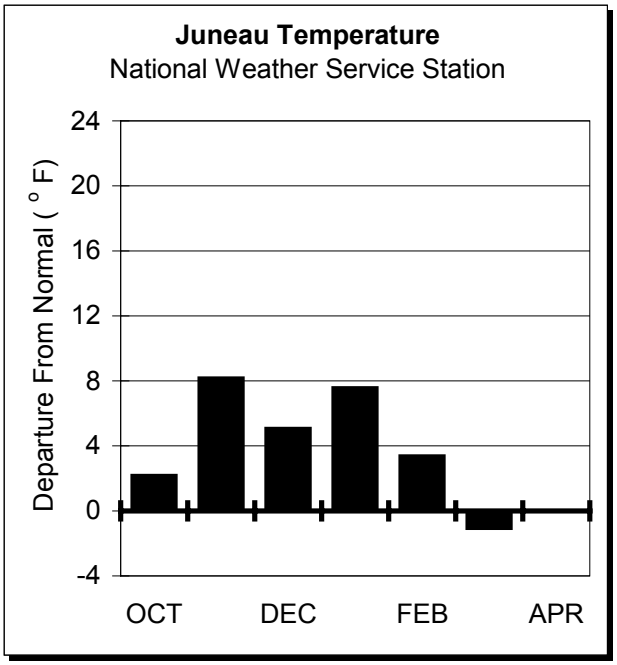
**Wyoming shielded gauge
*Copper Valley Electric Association

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lowe River (Valdez)	3	94	86

SOUTHEAST*





Current Basin Conditions

The Long Lake SNOTEL site, in the basin of the Snettisham Hydroelectric facility, has 25.8 inches of snow water content, 60 percent of last year.

The Petersburg Ridge snow course is 49 percent of normal, the 2nd lowest measurement on record for April 1st, since recording began in 1979.

The Douglas Island snow courses, west of Juneau, are 54 percent of normal.

The Swan Lake snow courses, in the basin providing water for power generation for the City of Ketchikan, have 30 percent of last years water content.

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

Southeast

SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR Snow Depth (inches)	THIS YEAR Water Content (inches)	LAST YEAR Sow Depth (inches)	LAST YEAR Water Content (inches)	1971-2000 AVERAGE Snow Depth (inches)	1971-2000 AVERAGE Water Content (inches)
Cropley Lake	1650	3/31/03	47	17.8	118	42.2	81	30.3
Eagle Crest	1200	3/31/03	23	11.4	85	29.0	54	18.5
Fish Creek	500	3/31/03	2	0.4	15	4.5	19	6.2
Lake Grace Pass	1900	4/02/03	72	27.3	164	61.0	--	---
Long Lake	850	4/01/03	76	25.8	120	43.3	--	---
Lost Lake	425	4/02/03	0	0.0	68	26.0	--	---
Mint Creek Ridge	1900	4/02/03	67	24.6	154	57.3	--	---
Moore Creek Bridge	2250	4/02/03	41	12.2	61	19.7	--	---
Petersburg Reservoir	550	3/31/03	0	0.0	45	15.5	15	6.2
Petersburg Ridge	1650	3/31/03	41	12.9	111	38.6	71	26.4
Speel River	280	4/01/03	57	20.4	84	31.5	78	31.1
Upper Swan Lake	1700	4/02/03	22	8.9	142	59.7	--	---

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Gold Creek near Juneau	Apr-Jul	33	27.0	92	31.0	23.0

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Long Lake	850	4/01/03	90.2	90.7	--	--
Snettisham	25	3/31/03	95.0	104.3	--	--
Swan Lake	50	3/31/03	101.0	92.3	77.1	131

WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Douglas Island	3	39	54
Long Lake	1	60	--
Petersburg	2	24	40
Swan Lake	4	30	52

For further information contact:

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

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