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Alaska Basin Outlook Report February 1, 2003



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GENERAL OVERVIEW

Snowpack

No snow occurred at lower elevations below 2000 feet until December 11, 2002, which is two months later than normal in South Central Alaska and the Kenai Peninsula. In contrast, there was a little snow, 1 inch at elevation on October 1st in the Interior at the Upper Chena snow course, 2850 feet. The snowpack began at Coldfoot on October 7, where 3 inches fell. Barrow recorded snow on October 3rd, 1 inch.

There have been no big snow storms across the state, and many places were snow free on December 1st. A portion of the state received some snow in December and very little snow fell across the state after the 1st week of January. Minimum of record snow water contents have been set at the following snow courses for February 1st: Petersburg Ridge, Nuka Glacier, Indian Pass, Talkeetna, Lake Minchumina, and Bonanza Creek. Four of these sites have 30 years of record or more.

Precipitation

The precipitation was record setting in October and November at sites bordering the Gulf of Alaska on the Kenai Peninsula. Nuka Glacier received 32.2 inches in October with 7 inches caught on the 22nd of October. In November, Nuka Glacier received 33.4 inches with 5.2 inches caught on the 22nd. The normal at Nuka Glacier for these two months is 12.8 inches in October and 8.6 inches in November. December continued wet with the site receiving 19.7 inches, the normal being 9.2 inches. January slowed down to more near normal precipitation with 7.9 inches, the normal being 8.3 inches.

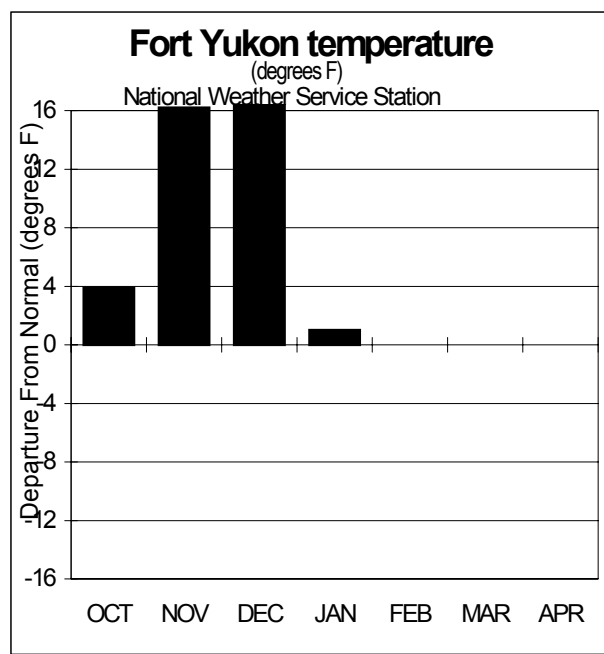
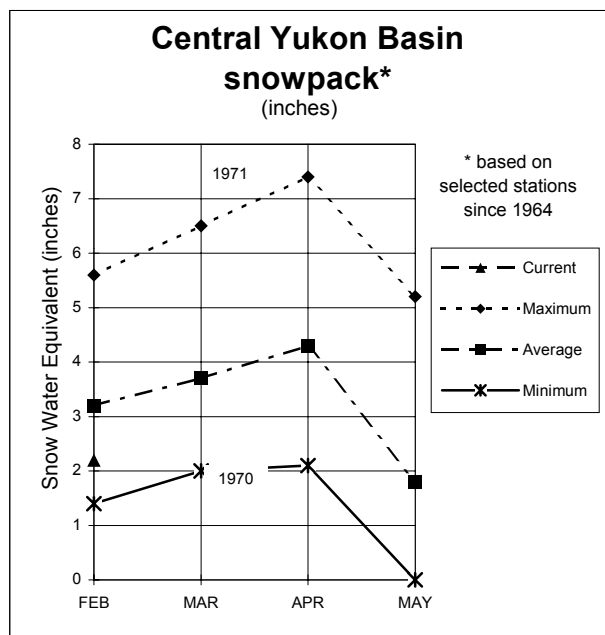
Most of the remainder of the state has received normal to below normal precipitation since October 1st. October was near normal with November, December and January below normal.

Temperature

The whole state, from Annette in Southeast to Barrow in the north, and from Northway in the east to Nome in the west, has had above normal temperatures for each month: October, November, December and January. Anchorage tied for the 6th warmest October on record, being 6.5 degrees above normal at 41.1 degrees Fahrenheit. Only 8 times since 1938 has October been snow free, and we had essentially green growing grass on Thanksgiving. Above normal temperatures in Anchorage were: November 13.8; December 8.2; and January 7.5, in degrees Fahrenheit above normal.

Central Yukon

February 1, 2003



SNOWCOVER:

The snowpack water content varies across the basin from 65 percent of normal at Fort Yukon to 74 percent of normal at the Seven Mile snow course, 7 miles north of the Yukon River crossing of the Dalton Highway.

Borealis snow course, in the White Mountains, is 68 percent of normal.

The precipitation catch at Atigun Pass, since October 1st, is 4.2 inches, which is 102 percent of normal. In contrast, the catch at Fort Yukon is 1.7 inches, which is 45 percent of normal.

For more information contact the Natural Resources Conservation Service office in Fairbanks: (907) 479-2657.

Central Yukon Basin

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
December								
Cathedral Creek	1800	12/02/02	2	0.2	8	0.8	--	---
Copper Creek	2000	12/02/02	0	0.0	--		--	---
Crescent Creek	2600	12/02/02	0	0.0	--		--	---
Fort Yukon	430	12/10/02	7	1.0	--		--	---
Mission Creek	900	11/28/02	7	1.5	8	0.5	--	---
Step Mountain	2850	12/02/02	2	0.2	0	0.0	--	---
Tacoma Bluff	1450	12/02/02	2	0.2	12	1.2	--	---
Three Fingers	3350	12/02/02	2	0.2	10	1.0	--	---
January								
Fort Yukon	430	1/15/03	11	1.6	--	--	--	---
Mission Creek	900	1/06/03	8	1.8	10	1.8	15	2.6
February								
Borealis	1330	1/30/03	15	2.7	14	2.5	25	4.0
Cathedral Creek	1800	Delayed Data			16	2.2	--	---
Coal Creek	1000	Delayed Data			17	2.1	--	---
Copper Creek	2000	Delayed Data			18	2.7	--	---
Fort Yukon	430	1/27/03	12	1.7	--	--	--	---
Fossil	1400	1/30/03	14	2.0	17	2.3	--	---
Hess Creek	1000	1/29/03	18	2.8	21	3.4	22	3.9
Mission Creek	900	1/27/03	16	2.9	14	2.5	15	3.1
Seven Mile	600	1/29/03	18	2.9	24	4.1	22	3.9
Step Mountain	2850	Delayed Data			4	0.7	--	---
Tacoma Bluff	1450	Delayed Data			18	2.4	--	---
Thirty Mile	1350	1/29/03	23	4.3	28	5.2	30	6.2
Three Fingers	3350	Delayed Data			18	2.0	--	---
Windy Gap	1900	1/31/02	18	3.3	15	2.6	--	---
Wolf	1300	1/30/03	16	2.2	--	---	--	---

PRECIPITATION DATA

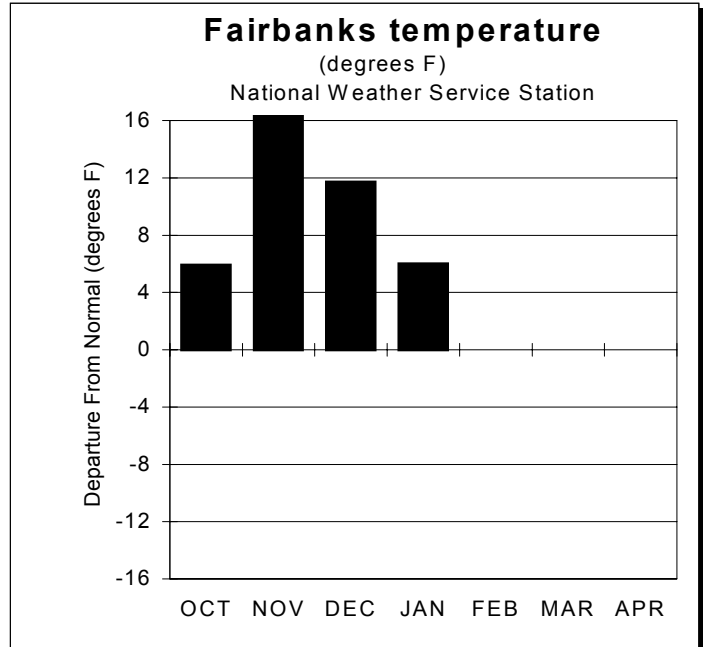
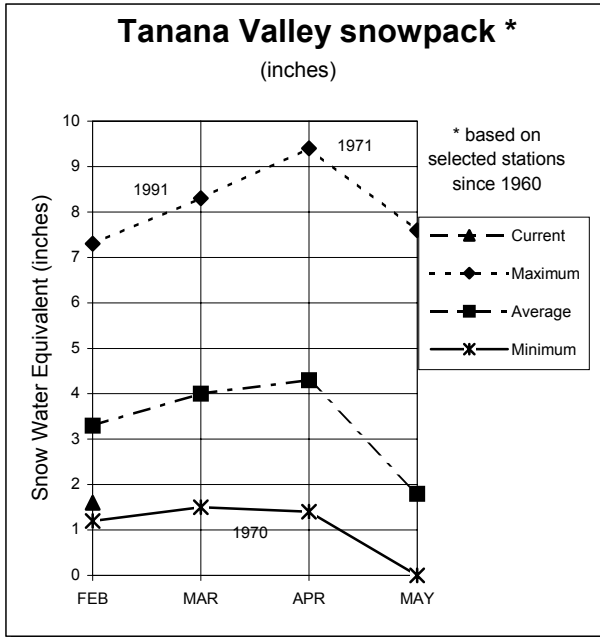
INCHES ACCUMULATED SINCE OCTOBER 1st

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Atigun Pass**	4800	1/28/03	4.2	4.3	4.1	102
Chandalar Shelf**	3300	1/28/03	3.2	3.9	3.9	82
Fort Yukon	430	1/27/03	1.7	2.7	3.8	45
Mission Creek	900	No Report	--	3.0	4.0	--

**Wyoming Shielded Gauge

Tanana Basin

February 1, 2003



SNOWCOVER:

The snowpack varies with 2 sites, Bonanza Creek and Lake Minchumina, having minimum of record water contents in the lower/western part of the Basin to the Tok snow course, which has 77 percent of normal water content.

Bonanza Creek snow course has 7 inches of snow with 0.7 inches of water content. The previous minimum at Bonanza Creek, which occurred in 1970, was 8 inches of snow with 1.3 inches of water.

The Fielding Lake snow course, in the headwaters of the Delta River, has 21 inches of snow with 4.7 inches of water content, which is 56 percent of normal.

For more information contact the Natural Resources Conservation Service office in Fairbanks: (907) 479-2657.

Tanana Basin

SNOWPACK DATA

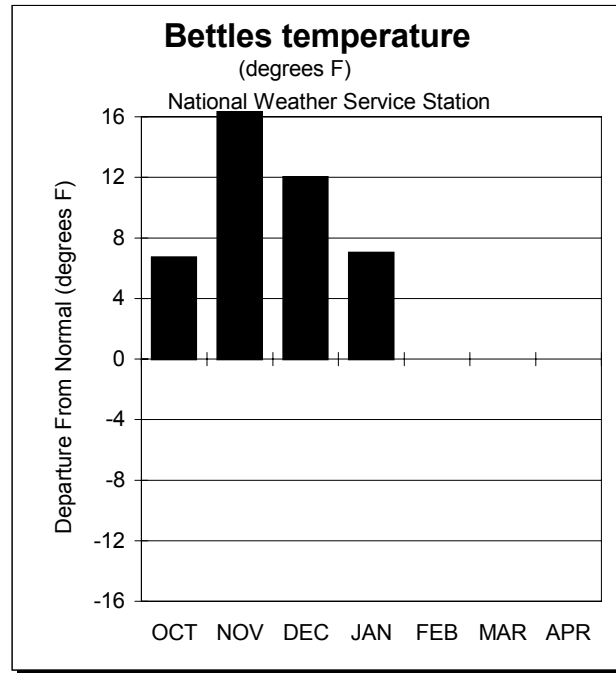
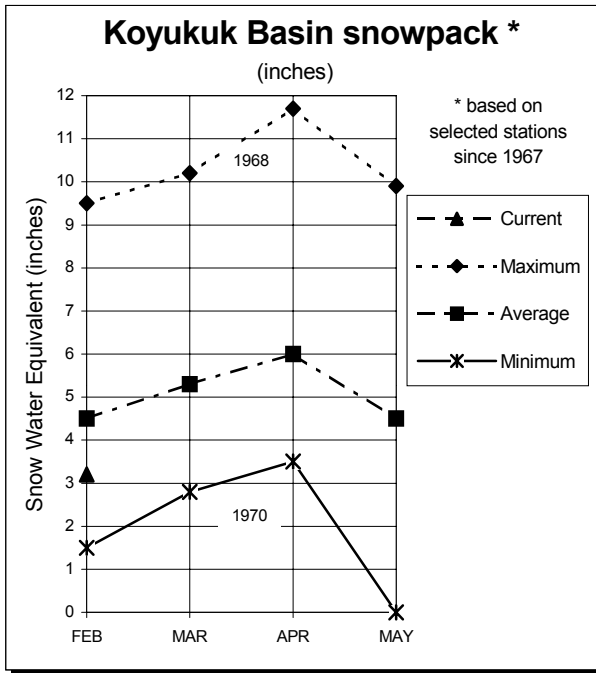
SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
December								
Caribou Creek	1250	12/03/02	4	1.1	4	0.4	21	3.4
Caribou Snow Pillow	900	12/03/02	6	1.7	4	0.4	20	3.2
Chisana	3320	12/04/02	11	1.5	--	---	--	---
Cleary Summit	2230	11/29/02	8	1.8	7	0.9	--	---
Colorado Creek	700	11/29/02	6	1.1	7	0.8	--	---
Edgar Creek	2400	12/01/02	0	0.0	--	--	--	---
Fairbanks FO	450	11/29/02	7	1.0	6	0.6	16	1.9
Faith Creek	1900	11/29/02	7	1.2	5	0.6	--	---
Fort Greely	1500	11/29/02	2	0.4	8	1.1	--	---
French Creek	1800	No Survey			10	1.7	--	---
Gerstle River	1200	11/29/02	1	0.2	9	1.7	--	---
Gold King	1700	12/01/02	0	0.0	--	--	--	---
Kantishna	1550	11/27/02	9	1.5	7	0.5	--	---
Lake Minchumina	730	11/27/02	6	0.6	9	0.5	--	---
Lost Creek	3030	12/05/02	15	2.1	--	---	--	---
Paradise Hill	2200	12/02/02	4	0.6	13	2.1	--	---
Ptarmigan Airstrip	2400	12/01/02	0	0.0	--	--	--	---
Rock Creek Bottom	2250	11/27/02	0	0.0	9	0.8	--	---
Rock Creek Ridge	2600	11/27/02	0	0.0	8	0.8	--	---
Shaw Creek Flats	980	11/29/02	1	0.1	6	1.0	--	---
Stampede	1800	11/29/02	0	0.0	New	Site	--	---
Upper Wood River	2990	12/01/02	0	0.0	--	--	--	---
January								
Bonanza Creek	1150	12/30/02	5	0.6	8	1.1	16	2.9
Caribou Creek	1250	12/31/02	7	1.5	6	0.7	17	3.0
Caribou Snow Pillow	900	12/31/02	9	2.1	5	0.6	17	3.0
Chisana	3320	1/16/03	13	2.0	9	1.4	--	---
Lost Creek	3030	1/03/03	17	3.3	6	0.9	--	---
February								
Bonanza Creek	1150	1/31/03	7	0.7	11	1.8	21	4.1
Caribou Creek	1250	2/04/03	10	2.2	11	1.5	22	3.9
Caribou Snow Pillow	900	2/04/03	12	2.4	14	1.6	22	3.8
Cleary Summit	2230	1/31/03	14	2.9	17	2.2	27	5.4
Colorado Creek	700	1/31/03	12	2.0	18	2.1	31	3.8
Edgar Creek	2400	2/02/03	8	1.5	18	2.9	--	---
Fairbanks Field Off	450	1/31/03	13	2.2	13	1.5	21	3.5
Faith Creek	1900	1/31/03	15	2.6	15	1.9	24	3.9
Fielding Lake	3000	1/28/03	21	4.7	25	4.6	37	8.4
Fort Greely	1500	1/30/03	6	0.9	13	2.1	15	2.7
French Creek	1800	1/29/03	8	1.1	16	3.1	24	5.1
Gerstle River	1200	1/29/03	8	1.2	15	2.4	17	2.6
Gold King	1700	2/02/03	6	1.0	18	2.7	--	---
Granite Creek	1240	1/31/03*	8	1.9	14	2.5	17	2.8
Jatahmund Lake	2180	1/29/03	14	2.2	18	2.6	16	2.3
Kantishna	1550	1/29/03	13	2.3	16	2.0	--	---
Lake Minchumina	730	1/29/03	10	1.2	15	1.5	19	3.2
Mentasta Pass	2430	1/28/03	19	3.5	25	3.4	24	4.8
Paradise Hill	2200	1/29/03	8	0.8	20	3.2	--	---
Ptarmigan Airstrip	2400	2/02/03	7	1.2	12	1.9	--	---
Rock Creek Bottom	2250	1/30/03	5	0.6	14	1.8	20	3.7
Rock Creek Ridge	2600	1/31/03	5	0.5	13	1.7	24	4.3
Shaw Creek Flats	980	1/30/03	7	0.9	10	1.7	15	2.6
Stampede	1800	1/30/02	6	0.6	New	--	--	---
Tok Junction	1650	1/29/03	15	2.0	24	3.4	17	2.6
Upper Wood River	2400	2/02/03	12	2.1	14	2.1	--	---

* Estimate

Western Interior Basins

February 1, 2003

SNOWCOVER:



Koyukuk

Disaster Creek, north of Coldfoot, has 3.2 inches of water content, which is 107 percent of normal. The remainder of the snow courses vary from 56 percent of normal at Bettles to 69 percent at Thirty Mile snow course.

Kuskokwim

The Lake Minchumina snow course in the northeastern part of the Basin has a minimum of record snow water content of 1.2 inches and 10 inches of snow. Previous estimated minimums occurred in 1970 and 1999, with 1.3 inches of water content.

Lower Yukon

No Report.

For more information contact the Natural Resources Conservation Service office in Anchorage: (907) 271-2424, Ext. 113.

Western Interior Basins

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
Koyukuk - December								
Bettles Field	640	12/02/02	11	1.2	--	---	20	3.1
Coldfoot	1040	12/04/02	14	2.1	--	---	27	5.1
Disaster Creek	1550	12/05/02	11	1.0	--	--	--	---
Kaldoyeit	580	12/05/02	7	0.8	12	1.2	--	---
Kanuti-Chalatna	550	12/05/02	10	1.0	14	1.4	--	---
Kanuti-Kilolitna	550	12/05/02	8	0.9	15	1.5	--	---
Minnkokut	580	12/05/02	9	1.0	14	1.4	--	---
Nolitna	560	12/05/02	10	1.2	12	1.2	--	---
Tailholman	540	12/05/02	1	0.2	4	0.4	--	---
Table Mountain	2200	12/05/02	11	1.5	--	---	--	---
Kuskokwim - December								
McGrath	340	12/10/02	8	2.7	18	3.7	--	---
Purkeypile Mine	2030	11/27/02	0	0.0	13	2.0	--	---
Koyukuk - January								
Bettles Field	640	1/03/03	16	2.7	--	---	--	---
Koyukuk - February								
Bettles Field	640	1/28/03	17	2.9	--	---	27	5.2
Bonanza Forks	900	1/29/03	18	3.5	24	4.6	21	4.3
Coldfoot	1040	1/30/03	18	3.5	21	3.7	27	5.1
Disaster Creek	1550	1/30/03	16	3.2	20	3.4	18	3.0
Kaldoyeit	580	No Report			24	4.4	--	---
Kanuti-Chelatna	550	No Report			21	3.8	--	---
Kanuti-Kilolitna	550	No Report			29	5.4	--	---
Minnkokut	580	No Report			32	6.0	--	---
Nolitna	560	No Report			27	5.0	--	---
Tailholman	540	No Report			5	1.0	--	---
Table Mountain	2200	1/30/03	16	2.9	17	3.2	22	3.4
Kuskokwim - February								
Lake Minchumina	730	1/29/03	10	1.2	15	1.5	19	3.2
McGrath	340				24	5.0	26	4.4
Purkeypile Mine	2030	1/29/03	6	0.8	19	3.2	20	3.9
Telaquana Lake	1550	1/29/03	5	1.1	--	---	18	3.4
Upper Twin Lakes	2000	1/29/03	2	0.3	--	---	25	6.1
Lower Yukon - December								
Grouch Creek	220	12/06/02	0	0.0	--	---	--	---
Holikachuk	100	12/06/02	17		--	---	--	---
Horsefly Creek	180	12/06/02	0	0.0	--	---	--	---
Innoko Cabin	200	12/06/02	No	data	--	---	--	---
Menotl Creek	380	12/06/02	12	3.5	--	---	--	---
Middle Innoko	150	12/06/02	10	3.0	--	---	--	---
Upper Innoko	180	12/06/02	15	4.0	--	---	--	---
Wapoo Hills	220	12/06/02	15	4.0	--	---	--	---
Yankee Slough	100	12/06/02	15	4.0	--	---	--	---
Yetna River	120	12/06/02	6	2.0	--	---	--	---
Lower Yukon - February								
Grouch Creek	220	Delayed Data			--	---	--	---
Holikachuk	100	Delayed Data			39	8.2	--	---
Horsefly Creek	180	Delayed Data			37	7.4	--	---
Innoko Cabin	200	Delayed Data			22	3.0	--	---
Menotl Creek	380	Delayed Data			45	10.4	--	---
Middle Innoko	150	Delayed Data			42	9.2	--	---
Upper Innoko	180	Delayed Data			42	9.4	--	---
Wapoo Hills	220	Delayed Data			36	7.6	--	---
Yankee Slough	100	Delayed Data			40	8.6	--	---
Yetna River	120	Delayed Data			--	---	--	---

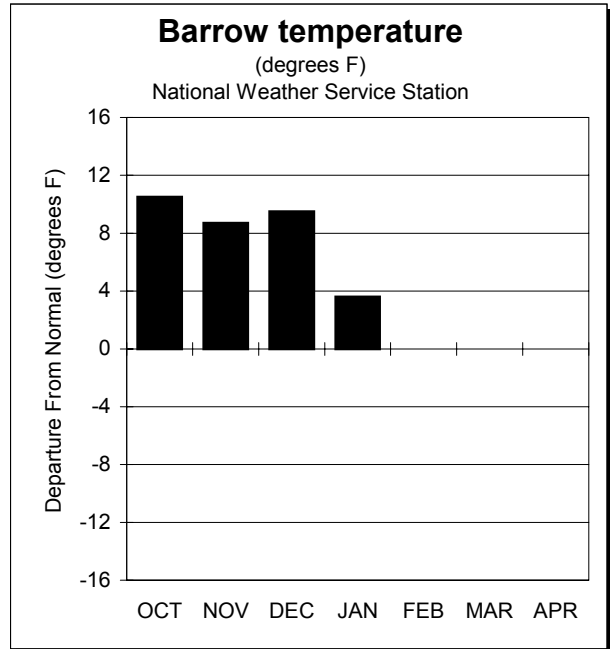
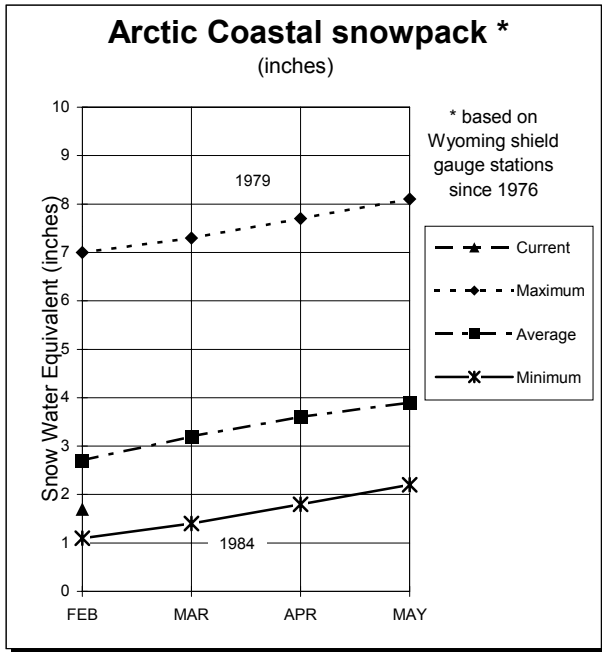
PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Bettles Field	640	1/28/03	2.9	5.0	4.7	62
Coldfoot	1040	1/30/03	3.9	4.0	5.4	72
Gobblers Knob	2030	1/29/03	6.4	7.1	5.6	114

Arctic and Kotzebue Sound

February 1, 2003



SNOWCOVER:

Arctic

Snow began accumulating October 3rd in Barrow and there is more than last year, but it remains below normal at 64 percent.

Moving south from Deadhorse, at M.S. 117.1, the Imnaviat Creek precipitation gauge has received 3.0 inches since October 1st, which is 103 percent of normal. This is similar to the Atigun Pass gauge at 4.2 inches and 102 percent of normal.

Kotzebue

The precipitation caught at the Red Dog Mine since October 1st is 3.8 inches, which is 78 percent of normal; however, it is 146 percent of last year.

For more information contact the Natural Resources Conservation Service office in Anchorage: (907) 271-2424.

Arctic and Kotzebue Sound

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
February								
Kugaruk	225	No Report			19	3.5	--	---
Pargon Creek	100	1/31/03**	11	2.8	--	--	--	---
Rocky Point	250	1/31/03**	1	0.3	--	--	--	---

** Estimate

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

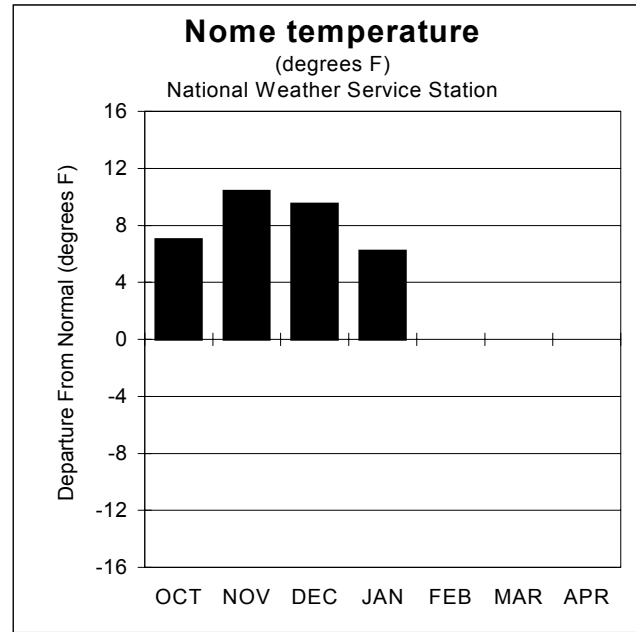
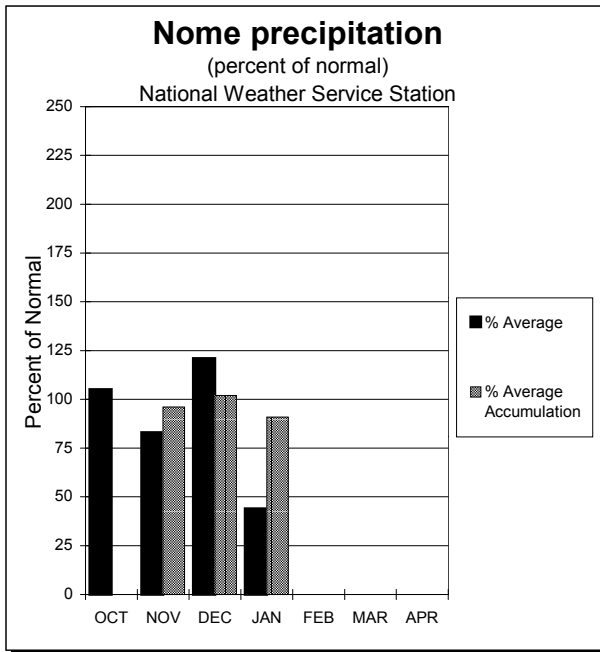
Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Arctic						
Atigun Camp	3400	1/28/03	1.9	1.8	3.9	49
Atigun Pass	4800	1/28/03	4.2	4.3	4.1	102
Barrow	25	1/31/03	1.4	1.0	2.2	64
Imnaviat Creek	3050	1/31/03	3.0	1.9	2.9	103
Prudhoe Bay	30	No Report	---	2.1	2.9	
Kotzebue Sound						
Red Dog	950	1/31/03	3.8	2.6	4.9	78

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	THIS YEAR	AS LAST YEAR	PERCENT OF AVERAGE
Arctic Coast	1		140	64
Dalton Highway	2		132	72

Norton Sound / Southwest Delta / Bristol Bay

February 1, 2003



SNOWCOVER:

Norton Sound

The Pargon Creek SNOTEL site, north of White Mountain, had 10 inches of snow on the 31st of January. There was 11 inches of snow depth last year. The snowpack began the 12th of November, with 6 inches on the ground on December 1st and January 1st.

Snow increases north of Nome as you approach Teller.

Southwest Delta/Bristol Bay

Very little snow exists in these regions at the lower elevations. Port Alsworth had no snow at the end of January. Fishtrap Lake has the least amount of snow measured for February 1st since the record keeping began in 1992.

For more information contact the Natural Resources Conservation Service office in Bethel: (907)543-7155.

Norton Sound / Southwest Delta / Bristol Bay

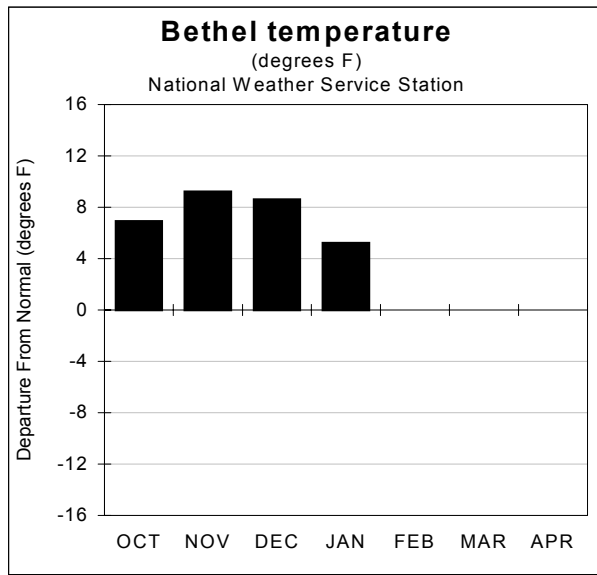
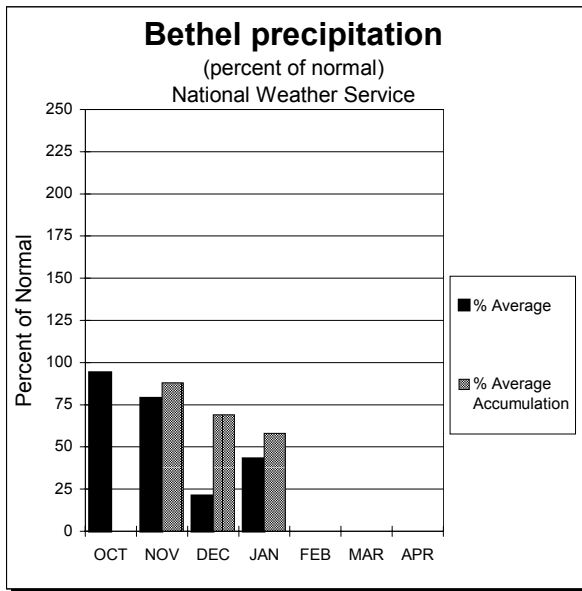
SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
Bristol Bay - December								
Brooks Camp	150	12/03/02	0	0.0	--	---	---	---
Three Forks	900	12/03/02	2	0.4	--	---	---	---
Bristol Bay - February								
Brooks Camp	150	No Report	--	--	6	1.8	38	8.9
Fishtrap Lake	1800	1/29/03	11	3.2	--	---	---	---
Port Alsworth	270	1/29/03	0	0.0	--	---	---	---
Three Forks	900	No Report	--	--	--	---	---	---

PRECIPITATION DATA

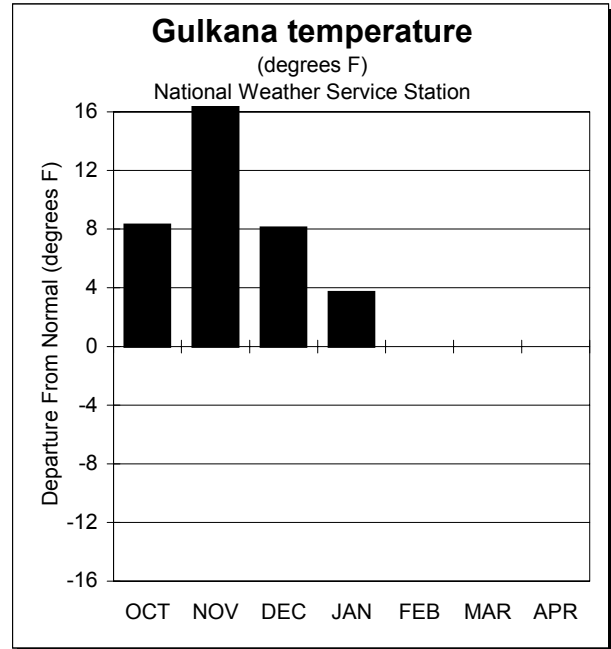
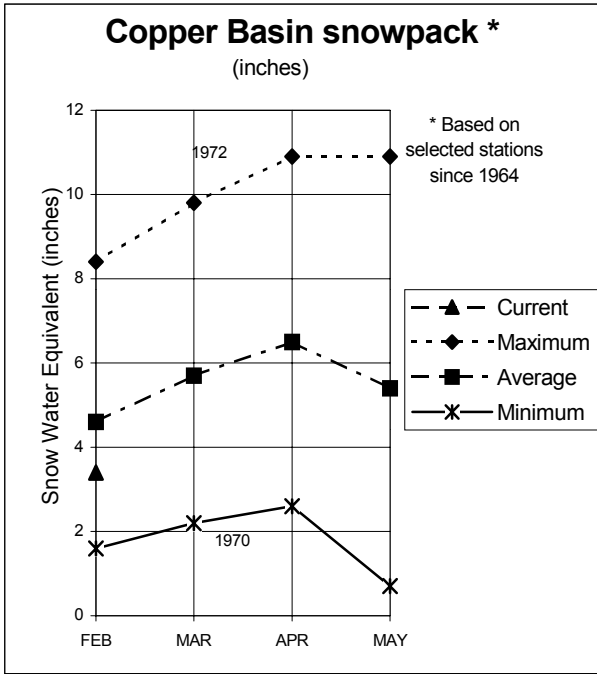
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000	
					Ave	% of Average
Pargon Creek	100	1/31/03	4.2	2.5	--	--
Rocky Point	500	1/31/03	5.0	1.8	--	--



Copper Basin

February 1, 2003



SNOWCOVER:

The Copper Basin varies from 56 percent of normal, as indicated by the snow courses on the south side of the Alaska Range, to 90 percent of normal, as indicated by the snow courses located across the basin floor. The Little Nelchina snow course has the least amount of snow measured with 14 inches and 1.7 inches of water content.

For more information contact the Natural Resources Conservation Service office in Delta Junction: (907)895-4241 or Anchorage: (907)271-2424.

Copper Basin

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
December								
Lake Louise	2400	11/27/02	7	1.2	11	1.5	--	---
Little Nelchina	2650	11/27/02	12	1.1	12	1.5	--	---
May Creek	1610	12/03/02	1	0.2	--	---	--	---
Tolsona Creek	2000	11/30/02	10	2.6	9	1.4	--	---
January								
Chokosna	1550	1/02/03	6	0.5	11	1.5	--	---
Kenny Lake School	1300	1/03/03	14	2.1	11	1.0	13	2.2
May Creek	3100	1/16/03	8	1.2	17	3.0	--	---
Tazlina	1220	1/03/03	14	2.3	13	2.0	--	---
February								
Chistochina	2170	1/28/03	16	3.0	13	2.3	18	3.0
Dadina Lake	2160	2/02/03	16	3.1	19	3.2	24	4.1
Fielding Lake	3000	1/28/03	21	4.7	25	4.6	37	8.4
Haggard Creek	2540	1/28/03	25	4.9	22	4.2	24	4.5
Horsepasture Pass	4300	No Survey	--	--	27	4.6	24	4.6
Kenny Lake School	1300	1/28/02	19	3.8	11	1.0	14	2.6
Lake Louise	2400	1/30/02	15	2.7	19	2.9	20	3.3
Little Nelchina	2650	1/30/03	14	1.7	19	2.6	22	3.8
Mentasta Pass	2430	1/28/03	19	3.5	25	3.4	24	4.8
Monsoon Lake	3100	No Survey	--	--	26	4.6	25	4.7
Paxson	2650	1/28/03	18	3.2	23	4.6	28	5.5
Sanford River	2280	2/02/03	13	2.6	21	3.7	24	4.2
St. Anne Lake	1990	1/31/03	15	2.9	11	1.3	21	4.0
Tazlina	1220	1/28/03	18	3.1	16	1.8	--	---
Tolsona Creek	2000	1/30/03	18	3.8	16	2.5	19	3.2
Tsina River	1650	1/30/03	45	10.3	42	8.6	50	12.5
Twin Lakes	2400	1/31/03	17	3.2	18	3.1	26	4.9

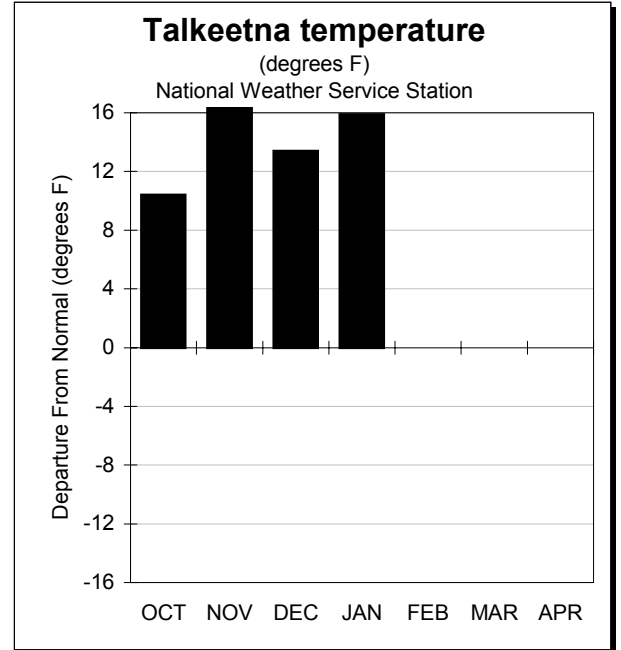
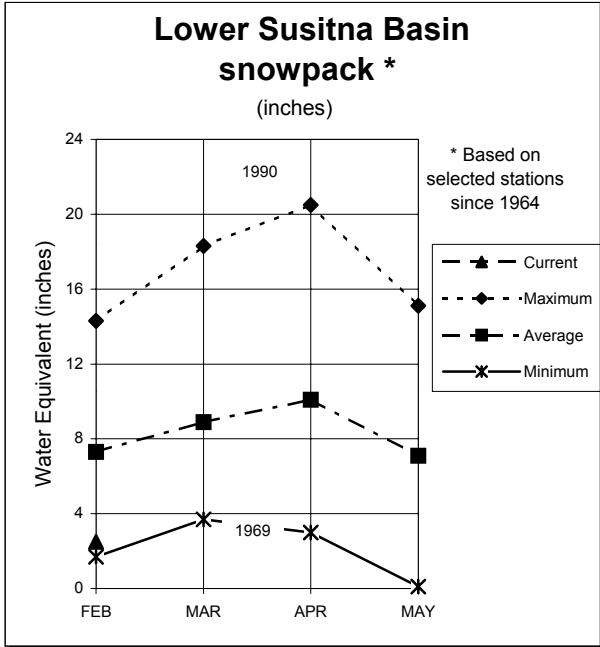
WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	THIS YEAR	AS LAST YEAR	PERCENT OF AVERAGE
Alaska Range	3	90		56
Basin Floor	5	111		90
Chugach Range	3	135		64
Talkeetna Mountains	2	103		84
Wrangell Mountains	2	83		69

*At the foot of the Alaska Range.

Matanuska - Susitna Basins

February 1, 2003



SNOWCOVER:

The Talkeetna snow course set a new record minimum amount of snow for February 1st. There were 5 inches of snow depth with 0.5 inches of water content. The previous record low was in 1996 when there was 8 inches of snow with 1.5 inches of water content. The Talkeetna snow course has been measured since 1967. The Independence Mine snow course, near Hatcher Pass, has the same amount of water content as last year, 10.8 inches; however, the snow depth is 16 inches less, at 33 inches.

For more information contact the Natural Resources Conservation Service office in Wasilla: (907) 373-6490.

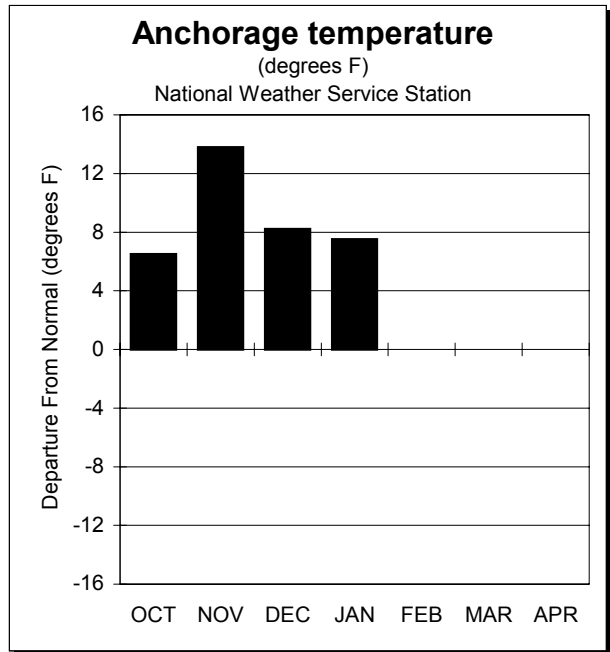
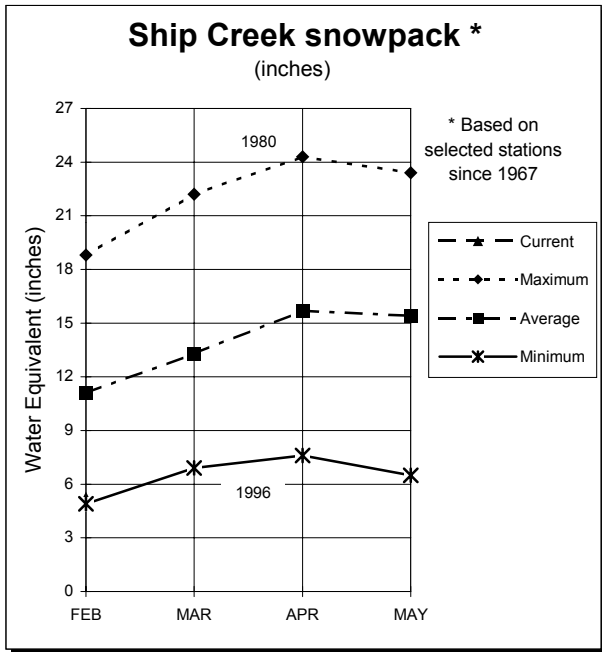
Matanuska - Susitna Basins

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
December								
Archangel Road	2200	11/26/02	0	0.0	13	2.1	--	---
Blueberry Hill	1200	11/25/02	6	1.4	8	0.7	--	---
Chelatna Lake	1650	12/03/02	6	1.5	--	---	--	---
Denali View	700	11/25/02	5	1.0	8	0.5	--	---
Dutch Hills	3100	12/03/02	33	9.9	21	3.4	--	---
E. Fork Chulitna	1800	11/25/02	9	2.6	14	1.7	--	---
Eldridge Glacier	3400	12/03/02	33	?	--	---	--	---
Fishhook Basin	3300	12/03/02	16	5.3	--	---	--	---
Halfway Slough	350	11/25/02	3	0.4	New	---	--	---
Independence Mine	3550	12/03/02	23	6.8	--	---	--	---
Lake Louise	2400	11/27/02	7	1.2	11	1.5	--	---
Little Susitna	1700	11/26/02	0	0.0	11	1.7	--	---
Moose Creek Ranch	450	11/27/02	0	0.0	7	1.1	--	---
Nugget Bench	2010	12/03/02	10	2.9	13	1.6	--	---
Ramsdyke Creek	2220	12/03/02	16	4.6	20	3.0	--	---
Sheep Mountain	2900	11/27/02	16	2.2	13	1.9	--	---
Susitna Valley High	500	11/25/02	3	0.4	7	0.6	21	4.0
Talkeetna	350	11/25/02	1	0.2	5	0.4	--	---
Tokositna Valley	850	12/03/02	7	1.5	21	2.9	--	---
Willow Airstrip	200	11/25/02	4	0.9	10	1.0	--	---
January								
Archangel Road	2200	1/02/03	8	1.9	--	---	--	---
Fishhook Basin	3300	1/02/03	22	6.6	--	---	45	11.4
Independence Mine	3550	1/02/03	30	8.3	--	---	--	---
Little Susitna	1700	1/02/03	7	1.7	--	---	--	---
February								
Alexander Lake	160	1/28/03	21	3.8	36	6.8	37	8.6
Archangel Road	2200	1/29/03	13	2.2	41	6.9	43	12.1
Blueberry Hill	1200	1/27/03	16	2.9	29	5.7	49	11.5
Chelatna Lake	1650	1/28/03	11	2.3	44	8.8	36	8.3
Clearwater Lake	2650	No Survey	--	--	--	---	24	4.2
Denali View	700	1/27/03	11	1.8	26	4.8	42	9.6
Dutch Hills	3100	1/28/03		37	12.2	14.8	69	19.6
E. Fork Chulitna	1800	1/31/03	23	5.6	32	6.7	45	10.5
Eldridge Glacier	3400	1/28/03	32	10.6	New	--	--	---
Fishhook Basin	3300	2/02/03	24	8.2	47	8.8	51	15.4
Fog Lakes	2120	No Survey	--	--	18	2.9	25	4.5
Halfway Slough	350	1/27/03	6	1.1	New	--	--	---
Independence Mine	3550	2/02/03	33	10.8	49	10.8	61	18.1
Lake Louise	2400	1/30/03	15	2.7	19	2.9	20	3.3
Little Susitna	1700	1/29/03	12	2.0	39	6.8	37	9.6
Monahan Flat	2710	No Survey	--	--	23	4.1	31	6.1
Moose Creek Ranch	450	1/30/03	5	0.9	20	3.0	--	---
Nugget Bench	2010	1/28/03	13	3.2	45	11.6	45	10.9
Ramsdyke Creek	2220	1/28/03	24	7.2	64	15.4	61	16.3
Sheep Mountain	2900	1/30/03	21	4.0	20	3.5	23	4.6
Skwentna	160	1/28/03	18	3.2	32	6.1	37	8.5
Square Lake	2950	2/04/03	12	2.5	--	---	19	3.2
Susitna Valley High	500	1/27/03	7	1.0	30	4.9	34	6.8
Talkeetna	350	1/27/03	5	0.5	24	3.8	28	6.2
Tokositna Valley	850	1/28/03	20	3.5	57	13.1	55	13.6
Tyone River	2500	2/04/03	20	3.7	23	4.1	21	3.4
West Fork Yentna	950	1/28/03	7	1.3	New	--	--	---
Willow Airstrip	200	1/27/03	11	2.5	26	4.4	26	5.7

Northern Cook Inlet

February 1, 2003



SNOWCOVER:

The Indian Pass SNOTEL site had 6.1 inches of snow water content on February 1st, a record low at 36 percent of normal. The previous record low of 7.2 inches was in 1996. The site has been measured since 1967.

The new SNOTEL, Moraine, above Eklutna Lake, had 13 inches of snow on February 1st, with an estimated water content of 3.3 inches.

For more information contact the Natural Resources Conservation Service office: Wasilla: (907) 373-6492 Anchorage: (907) 271-2424.

Northern Cook Inlet

SNOW PACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT

December

Anchorage Hillside	2080	11/29/02	1	0.3	17	3.6	--	---
Kincaid Park	250	12/03/02	0	0.0	9	1.2	--	---
Point Mackenzie	200	11/26/02	0	0.0	11	1.5	--	---
Portage Valley	50	12/01/02	0	0.0	19	5.0	--	---
South Campbell Creek	1200	11/29/02	0	0.0	13	2.8	--	---

January

Indian Pass	2350	12/31/02	18	4.1	--	---	50	13.9
Kincaid Park	250	1/02/03	10	2.3	12	2.9	--	---
Mt. Alyeska	1540	12/27/02	33	7.6	--	---	57	16.8
Portage Valley	50	12/31/02	28	6.4	19	6.7	--	---

February

Anchorage Hillside	2080	1/29/03	18	4.0	30	7.2	30	7.1
Indian Pass	2350	1/31/03*	24	6.1	42	12.3	57	16.8
Kincaid Park	250	2/03/03	10	1.5	16	3.6	17	3.4
Moraine	2100	1/31/03*	13	3.3	New	--	--	--
Mt. Alyeska	1540	1/31/03	42	13.0	74	23.7	78	23.5
Point Mackenzie	200	1/29/03	10	1.6	21	3.7	19	4.3
Portage Valley	50	1/31/03	10	3.3	15	5.3	33	10.4
South Campbell Creek	1200	1/29/03	14	3.0	21	5.0	22	5.0

* Estimate

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

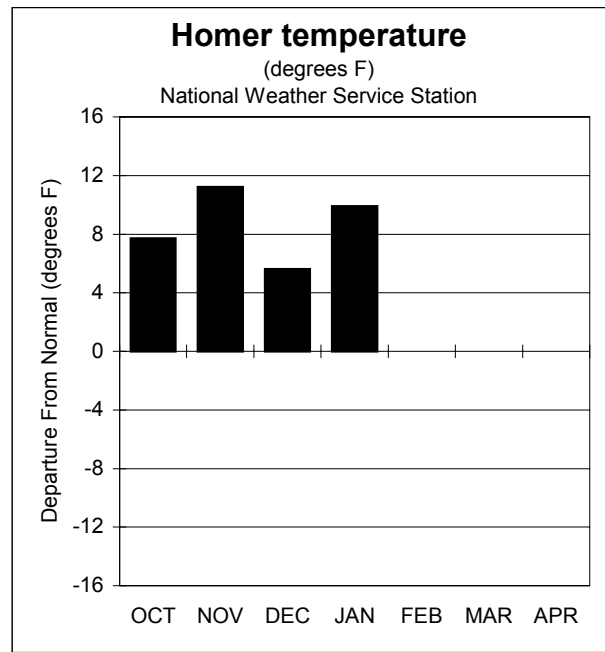
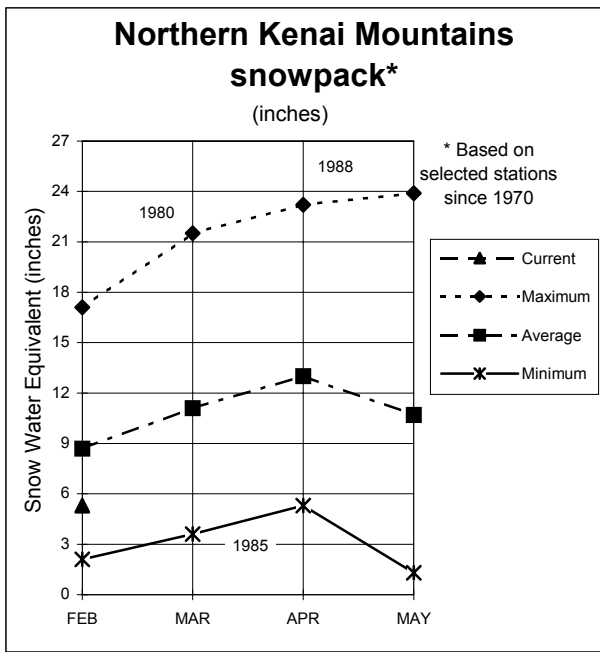
Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Indian Pass	2350	1.31.03	17.1	15.3	18.1	94
Moraine	2100	1/31/03	8.1	New	--	--
Mt. Alyeska	1540	est.	51.4	33.1	28.3	182
Point Mackenzie	200	1/29/03	5.0	3.7	6.5	77

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	THIS YEAR AS LAST YEAR	PERCENT OF AVERAGE
Campbell Creek	2	57	58
Ship Creek	2	52	48
Turnagain Arm	1	48	70

Kenai Peninsula

February 1, 2003



SNOWCOVER:

The Northern Kenai Mountains have 61 percent of normal snow water content. Moose Pass and Turnagain Pass snow courses are both 70 percent of normal.

The Southern Kenai Peninsula, near Homer, has the Bridge Creek snow course with 3.5 inches of water content, which is 45 percent of normal. The Nuka Glacier snow course is estimated to have 4.8 inches of water content, 22 percent of normal, for a record low with the record beginning in 1991.

For more information contact the Natural Resources Conservation Service office in Homer: (907) 235-8177.

Kenai Peninsula

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
December								
Bertha Creek	950	12/01/02	0	0.0	19	4.3	--	---
Bridge Creek	1300	12/03/02	0	0.0	8	1.4	--	---
Cooper Lake	1200	12/03/02	0	0.0	15	3.0	34	7.5
Demonstration Forest	780	12/03/02	0	0.0	7	1.6	--	---
Eagle Lake	1400	12/03/02	0	0.0	9	2.2	--	---
Grouse Creek Divide	700	12/01/02	0	0.0	13	3.0	29	7.6
Kenai Moose Pens	300	12/01/02	0	0.0	8	0.8	--	---
Kenai Summit	1390	12/01/02	0	0.0	16	2.3	--	---
McNeil Canyon	1320	12/03/02	0	0.0	9	1.9	21	3.9
Moose Pass	700	12/01/02	0	0.0	11	1.9	--	---
Nanwalek	500	12/03/02	0	0.0	--	---	--	---
Nuka Glacier	1250	12/01/02	0	0.0	11	3.4	--	---
Port Graham	300	12/03/02	0	0.0	1	0.5	--	---
Summit Creek	1400	12/03/02	0	0.0	13	2.1	23	5.6
January								
Bertha Creek	950	12/31/02	25	5.8	37	9.3	33	8.6
Cooper Lake	1200	12/31/02	22	3.5	30	9.0	28	6.9
Grouse Creek Divide	700	12/31/02	16	3.1	23	8.0	30	8.0
Jean Lake	620	1/02/03	8	1.1	--	---	--	---
Kenai Moose Pens	300	12/31/02	6	1.3	13	1.3	9	1.9
Kenai Summit	1390	12/31/02	21	4.7	32	5.7	31	7.3
Moose Pass	700	12/30/02	15	3.6	20	5.6	13	3.0
Nuka Glacier	1250	12/31/02	28	6.2	--	---	--	---
Snug Harbor Road	500	12/31/02	9	1.0	13	3.8	12	1.9
Summit Creek	1400	12/30/02	15	2.9	29	5.6	26	6.4
February								
Bertha Creek	950	1/29/03	22	6.8	47	12.5	43	11.6
Bridge Creek	1300	1/30/03	12	3.5	40	10.6	32	7.8
Cooper Lake	1200	2/02/03	21	4.8	51	12.5	45	12.0
Demonstration Forest	780	1/30/03	10	2.5	21	5.7	23	5.7
Grandview	1100	1/30/03 [⊛]	40	12.6	67	20.0	64	18.9
Grouse Creek Divide	700	2/03/03	21	5.8	41	13.8	41	11.5
Jean Lake	620	2/01/03	9	1.1	19	3.0	15	3.1
Kenai Moose Pens	300	1/31/03	6	1.7	19	5.2	15	3.3
Kenai Summit	1390	1/29/03	22	6.0	43	11.1	39	9.9
McNeil Canyon	1320	1/30/03	13	4.6	34	9.0	31	7.1
Moose Pass	700	1/28/03	8	3.2	25	8.9	18	4.6
Nuka Glacier	1250	1/31/03	19 ^{**}	4.8	7.3	31.2	50	22.0
Port Graham	300	1/31/03 [⊛]	1	0.2	--	---	--	---
Snug Harbor Road	500	2/02/03	8	2.1	19	4.8	17	3.6
Summit Creek	1400	1/28/03	16	4.0	40	9.2	33	8.2
Turnagain Pass	1880	1/24/03	50	15.4	92	31.8	81	22.0

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

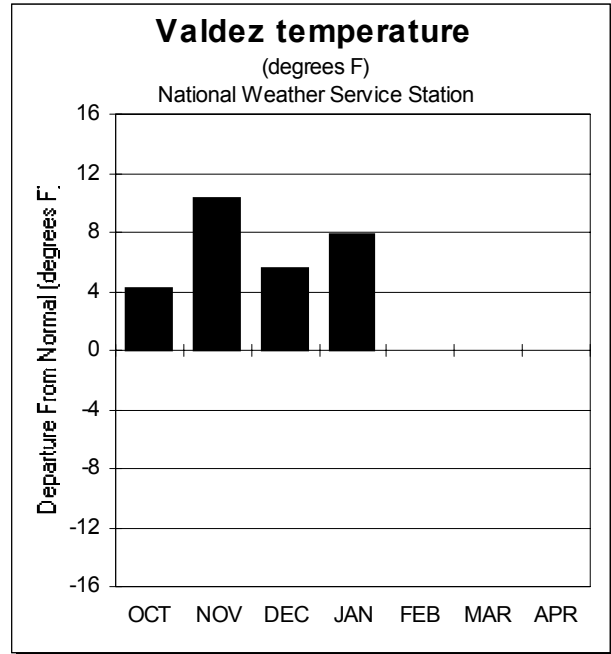
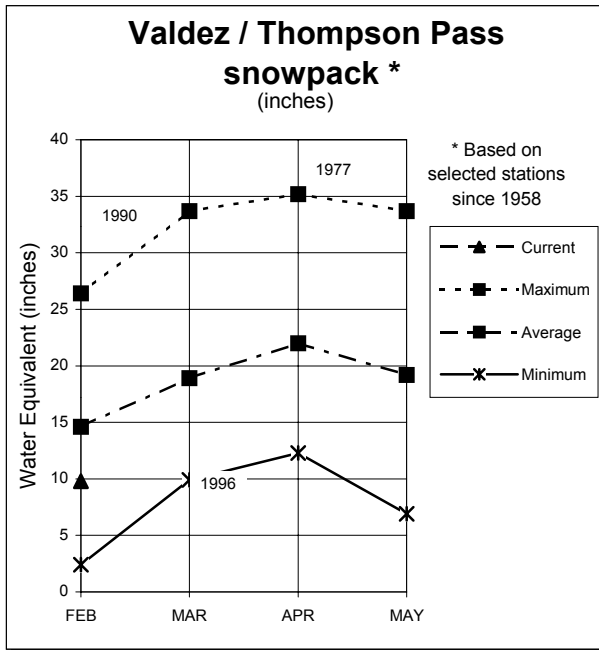
Precipitation Gauge	Elevation	Date	71-2000			
			This Year	Last Year	Ave	% of Average
Cooper Lake	1200	2/02/03	37.5	17.5	17.9	210
Grandview	1100	1/31/03	52.4	37.4	27.1	193
Grouse Creek Divide	700	2/02/03	51.1	28.0	25.8	198
Kenai Moose Pens	300	1/31/03	5.6	5.6	6.3	89
McNeil Canyon	1320	1/30/03	20.4	14.5	11.3	180
Middle Fork Bradley**	2300	No Report	---	17.0	26.0	
Nuka Glacier**	1250	1/31/03	89.3	33.9	40.3	222
Summit Creek	1400	1/28/03	18.7	13.8	12.5	150
Turnagain Pass	1880	1/31/03	46.9	29.6	28.9	162

**Wyoming Shielded gauge

⊛ Estimate

Western Gulf

February 1, 2003



SNOWCOVER :

The Worthington Glacier snow course at 2100 feet elevation is 88 percent of normal. The percent of normal snow water content drops as you descend in elevation, as shown by the Sugarloaf Mountain snow course above the Solomon Gulch Hydroelectric power plant. This snow course at 530 feet has 8.8 inches of snow water content, which is 48 percent of normal.

For more information contact the Natural Resources Conservation Service office in Homer: (907) 235-8177.

Western Gulf

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
December								
Grouse Creek Divide	700	12/01/02	0	0.0	13	3.0	29	7.6
Nuka Glacier	1250	12/01/02	0	0.0	11	3.5	--	---
Sugarloaf Mountain	530	12/03/02	0	0.0	--	---	--	---
January								
Grouse Creek Divide	700	12/31/02	16	3.1	23	8.0	29	7.6
Sugarloaf Mountain	530	1/02/03	40	4.9	34	7.9	--	---
February								
Exit Glacier	400	No Report	--	--	56	15.5	48	11.7
Grouse Creek Divide	700	2/02/03	21	5.8	41	13.8	41	11.5
Low River	600	1/30/03	35	9.6	45	11.7	46	11.8
Nuka Glacier	1250	1/31/03	19	4.8	73	31.8	61	24.2
Sugarloaf Mountain	530	1/30/03	33	8.8	70	21.4	65	18.2
Tsina River	1650	1/30/03	45	10.3	42	8.6	50	12.5
Valdez	50	1/30/03	24	6.1	42	10.9	45	11.9
Worthington Glacier	2100	1/30/03	53	14.6	61	18.8	62	16.6

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Grouse Creek Divide	700	2/02/03	51.1	28.0	25.6	198
Nuka Glacier**	1250	1/31/03	89.3	3.9	38.9	222
Solomon Gulch*	36	1/31/03	33.5	26.4	30.3	111
Sugarloaf Mountain	530	1/30/03	44.6	26.8	33.3	134

**Wyoming Shielded Gauge

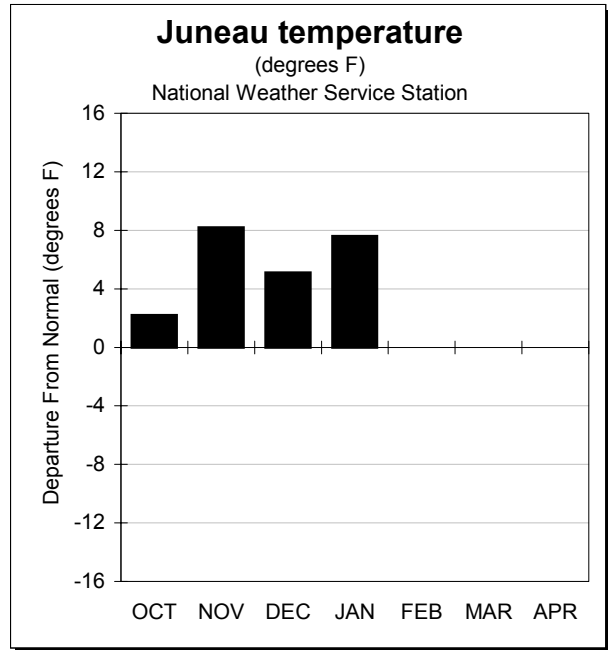
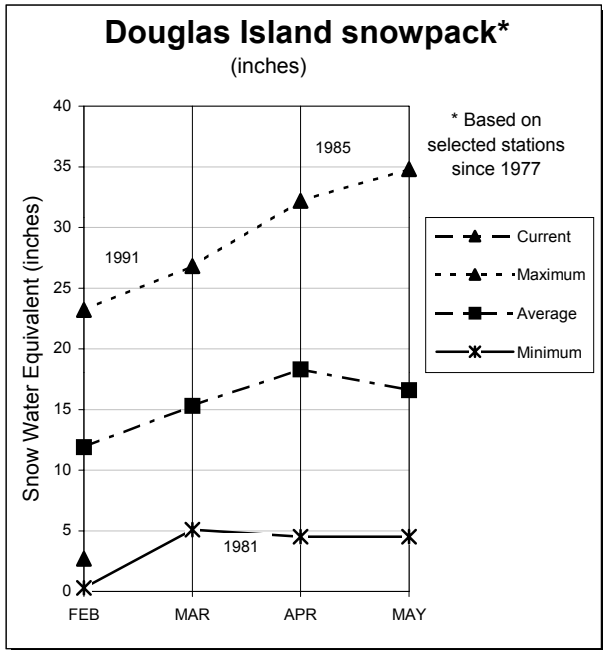
*Copper Valley Electric Association

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	THIS YEAR AS LAST YEAR	PERCENT OF AVERAGE
Low River (Valdez)	4	62	67

Southeast

February 1, 2003



SNOWCOVER:

This is the least amount of snow on February 1st for Douglas Island since 1981, when no snow was recorded at the Eagle Crest snow course, and 3 inches were recorded at the Cropley Lake snow course.

The Petersburg Ridge snow course has set a record minimum snow water content of 3.5 inches for February 1st this year. The previous record low for Petersburg Ridge was 8.6 inches in 1996.

The January measurements of the Swan Lake snow courses were extremely low, being about one third of last year's measurements. The snow course water content probably did not change percentage wise through the month of January.

For more information contact the Natural Resources Conservation Service office in Anchorage: (907) 271-2424.

Southeast

SNOWPACK DATA

SNOWCOURSE	ELEVATION	DATE	THIS YEAR		LAST YEAR		1971-2000 AVE.	
			SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT	SNOW DEPTH	WATER CONTENT
December								
Long Lake	1020	11/21/02	0	0.0	28	10.4	--	---
Moore Creek Bridge	2250	11/29/02	1	0.2	14	4.0	--	---
Petersburg Reservoir	550	12/02/02	0	0.0	0	0.0	--	---
Petersburg Ridge	1650	12/02/02	0	0.0	21	8.9	--	---
January								
Cropley Lake	1650	12/30/02	23	3.5	39	11.9	48	14.1
Eagle Crest	1000	12/30/02	17	2.0	16	5.4	33	9.2
Fish Creek	500	12/30/02	9	0.7	3	0.5	17	3.3
Lake Grace Pass	1900	1/08/03	30	8.7	88	34.0	--	---
Long Lake	1020	12/23/02	39	9.0	112	18.3	--	---
Lost Lake	425	1/08/03	0	0.0	21	7.3	--	---
Mint Creek Ridge	1900	1/08/03	29	9.3	71	25.0	--	---
Petersburg Reservoir	550	12/31/02	8	1.3	18	5.4	13	3.3
Petersburg Ridge	1650	12/30/02	18	3.2	42	13.4	40	11.3
Upper Swan Lake	1700	1/08/03	0	0.0	28	9.8		
February								
Cropley Lake	1650	1/31/03	18	5.2	--	---	58	18.4
Eagle Crest	1000	1/31/03	7	1.9	--	---	41	12.2
Fish Creek	500	1/31/03	4	1.1	--	---	20	5.0
Moore Creek Bridge	2250	2/03/03	33	7.2	54	14.9	--	---
Petersburg Reservoir	550	1/30/03	4	0.6	32	7.6	17	4.5
Petersburg Ridge	1650	1/31/03	12	3.5	67	19.0	57	16.9

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation	Date	This Year	Last Year	71-2000 Ave	% of Average
Snettisham	25	1/31/03	79.5	78.8	81.6	97
Swan Lake	50	1/31/03	73.8	70.2	56.0	132

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	THIS YEAR AS LAST YEAR	PERCENT OF AVERAGE
Douglas Island	3	25	23
Petersburg	2	15	19



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Alaska
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