United States Department of Agriculture

NRCS Natural Resources Conservation Service

ALASKA SNOW SURVEY REPORT

FEBRUARY 1, 2005

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

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    - Tongass National Forest
- **Department of Commerce**
  - NOAA, National Weather Service
  - Climate Monitoring and Diagnostics Laboratory
- **Department of Defense**
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- Alyeska Resort, Inc.
- Alyeska Pipeline Service Company
- Anchorage Municipal Light and Power
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- **Ministry of the Environment**
  - British Columbia
- **Department of the Environment**
  - Government of the Yukon

United States Department of Agriculture

NRCS Natural Resources Conservation Service

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GENERAL OVERVIEW

Snowpack

Current snow conditions vary across the state, with the south side of the Alaska Range, and north to the south side of the Brooks Range, being greater than 150 percent of normal water content for February 1st, while the Northern Kenai Mountains are in the 60 percent of normal range. Southeast has a record low snow water content at the Petersburg Ridge snow course.

In the Alaska Range, the Monahan Flat snow course, 50 miles east of Cantwell off the Denali Highway, set record snow water content for February 1st. Measured at the snow course was 44 inches of snow depth with 11.9 inches of water content; and the previous record of 49 inches with 10.9 inches of water content was measured January 29, 1990.

The Fog Lakes snow course, south of the Susitna River in the northern Talkeetna Mountains, measured the 2nd highest amount for February 1st, 35 inches of snow depth and 8.9 inches of water content. The record of 54 inches of depth and 10.3 inches of snow water content was measured on February 1st, 2000.

South of Delta Junction, the Fielding Lake snow course is 145 percent of normal snow water content. On the Tok Cutoff, the Mentasta Pass snow course is 175 percent of normal snow water content.

The west side of the Susitna Valley, south of the Alaska Range, has Skwentna with 48 inches of snow depth and 14.4 inches of snow water content, 175 percent of normal. This is the second highest measurement on record, with the record having been set in 1990 when there were 65 inches of snow depth and 16.9 inches of water content.

For the south side of the Brooks Range, Coldfoot SNOTEL (SNOw TELemetry) reported 34 inches of snow depth with 8.3 inches of water content February 1st, with the average being 27 inches and 5.1 inches.

The west side of the Central Yukon Basin on the Dalton Highway has 3 snow courses with new record snow water contents. They are Hess Creek, Seven Mile and Thirty Mile snow courses, with the Seven Mile record having begun in 1971.

Precipitation

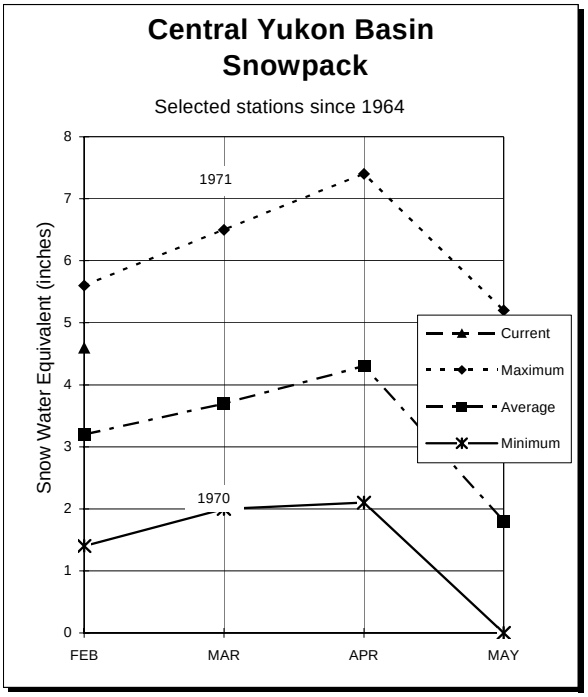
On October 20th the south coast of Seward Peninsula endured a storm that blew 57 mph at Rocky Point and 51 mph at Johnsons's Camp SNOTEL sites while dropping 1.7 inches of rain at Rocky Point and 1.8 inches of rain at Johnson's Camp in a 3 day time period.

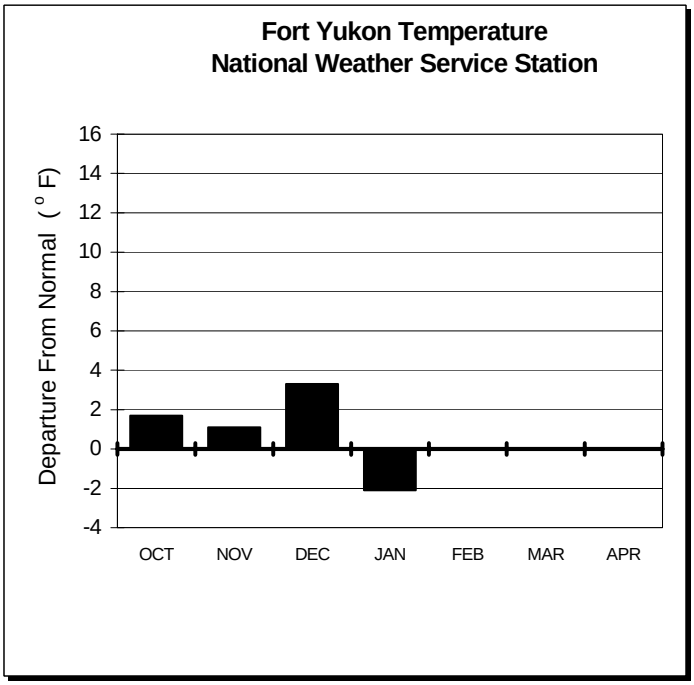
Precipitation varied across the state in October, from below normal in the east Central Yukon to above normal in Southwest Alaska, to below normal in Southeast. In November, South Central had far greater than normal precipitation as shown by Seward being 213 percent of normal and Talkeetna being 242 percent above normal. December brought above normal precipitation to most all of the state. January was generally below normal, with the exception of Fairbanks and Juneau.

Temperature

The state has been dominated by above normal temperatures from October through January, even though there have been periods that have been very cold. The only report of a below normal temperature for a month was reported by Juneau; Juneau was .9º F below normal in October. By contrast, in October, as reported by the National Weather Service observers, the temperatures measured above normal by the degrees noted at McGrath 8.4º F, Dillingham by 6.5º F, Nome by 7.4º F and Eagle by 3.3º F, respectively. In November, Juneau was 5.0º F and McGrath was 11.0º F above normal. For December Juneau was 5.4º F and Eagle was 4.6º F above normal. For January, McGrath was .6º F and Nome was 5.4º F above normal.

CENTRAL YUKON BASIN*





Current Basin Conditions

The Central Yukon has record setting snow pack along the Dalton Highway. Two sites have records extending back to 1971 (Seven Mile) and 1972 (Thirty Mile).

The Seven Mile snow course, 7 miles north of the Yukon River bridge crossing, has 33 inches of snow depth with 7.1 inches of water content. The previous record was 29 inches of snow depth and 5.9 inches of water content measured in 1995.

The Thirty Mile snow course, 30 miles north of the Yukon River crossing on the Dalton Highway, set a record snowpack with 41 inches of snow depth and 10.4 inches of snow water content. The previous record was set in 1980 with 44 inches of snow depth and 9.5 inches of snow water content.

Hess Creek snow course, with a record beginning in 1980, has a new record 31 inches of snow and 6.8 inches of water content.

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

Central Yukon Basin

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR Snow Depth	THIS YEAR Water Content	LAST YEAR Snow Depth	LAST YEAR Water Content	1971-2000 AVERAGE Snow Depth	1971-2000 AVERAGE Water Content
	(feet)				(inches)			
December								
Fort Yukon	430	12/08/04	18	2.9	7	0.8	---	---
Hess Creek	1000	11/30/04	21	3.5	9	1.0	---	---
Seven Mile	600	11/30/04	25	3.6	8	1.0	---	---
Thirty Mile	1350	11/30/04	34	6.5	17	2.4	---	---
January								
Fort Yukon	430	12/31/04	20	3.4	12	1.4	---	---
February								
Borealis	1330	2/07/05	30	7.5	23	3.4	25	4.0
Cathedral Creek	1800	No Survey			---	---	---	---
Coal Creek	1000	No Survey			---	---	---	---
Copper Creek	2000	No Survey			---	---	---	---
Cresent Creek	2600	No Survey			---	---	---	---
Fort Yukon	430	2/01/05	22	3.2	---	---	18	2.8
Fossil	1400	2/07/05	30	7.0	21	3.4	26	4.1
Hess Creek	1000	1/27/05	31	6.8	20	3.6	22	3.9
Mission Creek	900	2/07/05	17	3.2	17	2.6	15	3.1
Seven Mile	600	1/27/05	33	7.1	20	3.1	22	3.9
Step Mountain	2850	No Survey			---	---	---	---
Tacoma Bluff	1450	No Survey			---	---	---	---
Thirty Mile	1350	1/27/05	41	10.0	26	5.3	30	6.2
Three Fingers	3350	No Survey			---	---	---	---
Windy Gap	1900	2/07/05	35	9.0	25	5.6	27	4.3
Wolf	1200	2/07/05	30	6.8	21	3.3	23	3.6

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

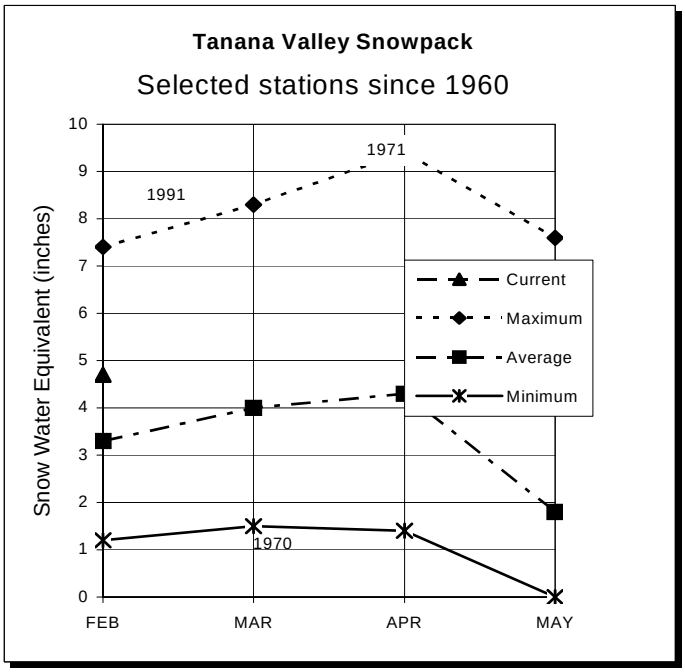
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Atigun Pass**	4800	1/28/05	4.3	3.4	5.9	73
Chandalar Shelf**	3300	1/28/05	3.8	3.9	3.9	97
Fort Yukon	430	No Report		1.8	3.8	
Mission Creek	900	No Report		2.9	4.0	

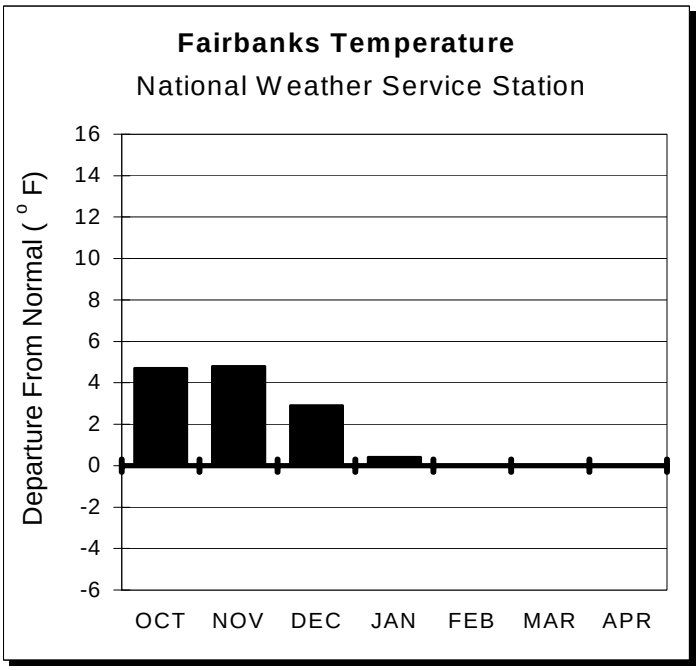
**Wyoming shielded gauge

WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Yukon Flats	2	210	154

TANANA BASIN*





Current Basin Conditions

The Upper Tanana Valley snow from Shaw Creek Flats, northwest of Delta Junction to Paradise Hill, averages 155 percent of normal. Paradise Hill measures 148 percent of normal. Fort Greely, north of Delta Junction, is 170 percent of normal. Lake Minchumina, in the Lower Tanana Valley, is 177 percent of normal.

With 6 inches of snow being on the ground the end of September, the permanent snowpack began at the Upper Chena SNOTEL site, elevation 2850 feet, on September 20th. The three snow course sites measured in the Chena Basin are 138 percent of normal and 149 percent of last year.

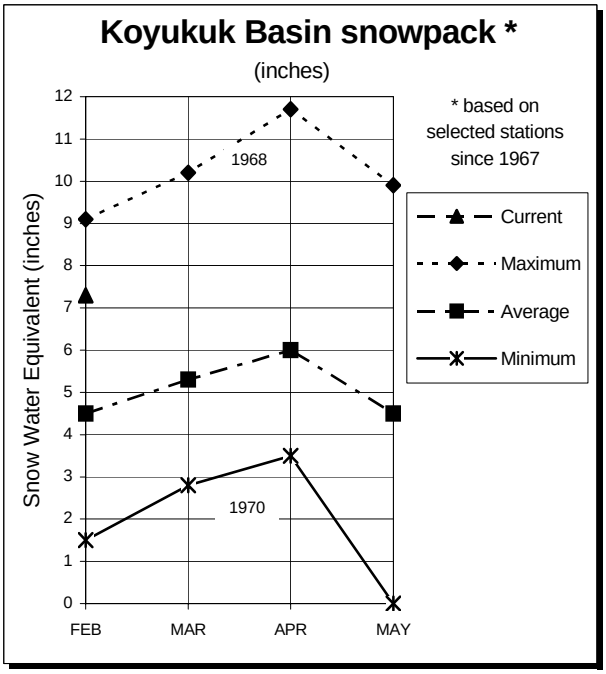
* For further information contact the Natural Resources Conservation Service in Fairbanks or Delta Junction.

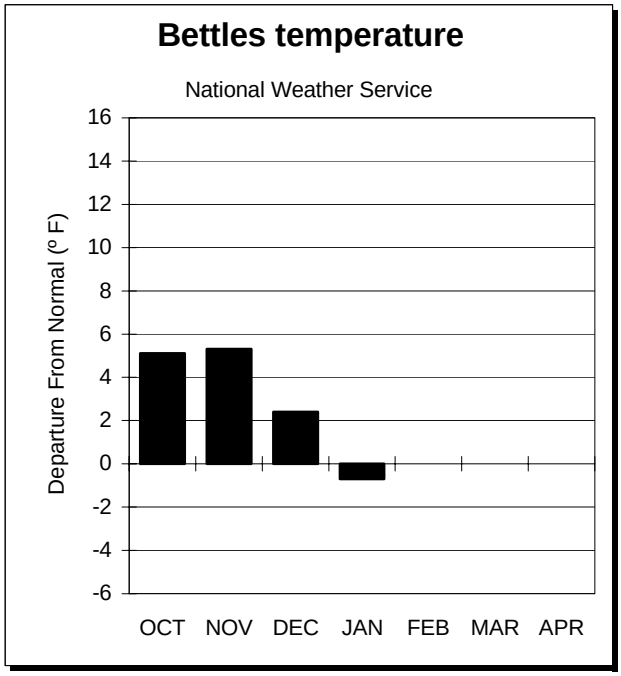
Tanana Basin

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
	(feet)		(inches)					
December								
Caribou Creek	1250	12/02/04	13	2.0	17	2.8	21	3.4
Caribou Snow Pillow	900	12/02/04	13	1.8	17	2.6	20	3.2
Chisana	3320	12/10/04	18	3.4	14	2.0	---	---
Cleary Summit	2230	11/30/04	19	3.5	24	4.0	---	---
Colorado Creek	700	11/30/04	15	2.3	18	2.3	---	---
Edgar Creek	2400	12/05/04	27	5.0	12	1.5	---	---
Fairbanks FO	450	11/30/04	12	1.9	15	1.8	16	1.9
Faith Creek	1900	11/30/04	15	2.5	20	2.9	---	---
Fort Greely	1500	11/30/04	14	1.9	10	1.2	---	---
French Creek	1800	11/29/04	17	3.7	18	2.5	---	---
Gerstle River	1200	11/30/04	10	1.5	12	1.0	---	---
Gold King	1700	12/01/04	17	2.6	9	1.1	---	---
Jatahmund Lake	2180	11/30/04	10	1.6	15	1.6	16	2.3
Kantishna	1550	11/29/04	20	2.8	26	4.8	---	---
Lake Minchumina	730	11/29/04	19	2.8	10	1.4	19	3.2
Lost Creek	3030	12/01/04	17	2.6	16	2.1	---	---
Paradise Hill	2200	11/29/04	7	1.4	10	1.1	---	---
Ptarmigan Airstrip	2400	12/01/04	19	3.0	8	1.0	---	---
Rock Creek Bottom	2250	11/30/04	12	1.2	12	1.5	---	---
Rock Creek Ridge	2600	11/30/04	12	1.4	12	1.8	---	---
Shaw Creek Flats	980	11/29/04	8	1.2	10	0.6	---	---
Stampede	1800	11/29/04	18	2.3	20	3.3	---	---
Upper Wood River	2990	12/01/04	21	4.0	15	1.8	---	---
January								
Bonanza Creek	1150	12/31/04	14	2.7	17	2.9	16	2.9
Lost Creek	3030	1/07/05	29	5.3	16	2.8	---	---
February								
Bonanza Creek	1150	2/02/05	22	4.6	19	3.8	21	4.1
Caribou Creek	1250	2/07/05	21	4.8	21	4.2	22	3.9
Caribou Snow Pillow	900	2/07/05	24	4.6	21	4.1	22	3.8
Cleary Summit	2230	2/02/05	33	6.8	27	5.4	27	5.4
Colorado Creek	700	2/02/05	29	5.4	21	3.6	31	3.8
Edgar Creek	2400	2/01/05	33	8.0	23	4.2	---	---
Fairbanks FO	450	2/02/05	25	4.3	19	3.2	21	3.5
Faith Creek	1900	2/02/05	26	4.8	22	3.8	24	3.9
Fielding Lake	3000	1/31/05	48	12.2	29	7.0	37	8.4
Fort Greely	1500	1/28/05	24	4.6	20	3.1	15	2.7
French Creek	1800	1/27/05	33	7.5	23	4.2	24	5.1
Gerstle River	1200	1/28/05	21	3.7	21	2.8	17	2.6
Gold King	1700	2/01/05	26	5.4	19	3.1	---	---
Granite Creek	1240	2/01/05	21	4.4	17	3.5	17	2.8
Jatahmund Lake	2180	1/31/05	21	3.6	15	1.6	16	2.3
Kantishna	1550	1/28/05	31	6.3	26	4.8	---	---
Lake Minchumina	730	1/28/05	28	5.3	10	1.4	19	3.2
Mentasta Pass	2430	2/01/05	38	8.4	16	2.9	24	4.8
Paradise Hill	2200	1/31/05	20	4.0	16	2.8	---	---
Ptarmigan Airstrip	2400	2/01/05	30	6.0	19	3.0	---	---
Rock Creek Bottom	2250	1/31/05	22	5.1	18	3.5	20	3.7
Rock Creek Ridge	2600	1/31/05	21	4.8	16	2.8	24	4.3
Shaw Creek Flats	980	1/28/05	18	2.8	16	2.6	15	2.6
Stampede	1800	1/28/05	24	4.8	20	3.3	---	---
Tok Junction	1650	2/01/05	22	4.0	16	2.3	17	2.6
Upper Wood River	2990	2/01/05	33	7.0	20	3.6	---	---

WESTERN INTERIOR BASINS





Current Basin Conditions

Koyukuk

The Bonanza Forks snow course, with the record beginning in 1980, has a new record snow pack of 36 inches of snow depth and 8.5 inches of water content, which is 198 percent of normal. The previous record of 1991 was 38 inches and 6.5 inches of water content. The 5 snow courses averaged in the Basin are 161 percent of normal and 192 percent of last year. Coldfoot, with measurements beginning in 1971, has the 3rd highest record snow. The record measurements were in 1993, 50 inches of snow depth and 12.8 inches of water content.

Kuskokwim

The snow water content percent of normal for the upper Kuskokwim River Basin is 186 percent of normal and 230 percent of last year. The McGrath snow course has a new record snow pack of 36 inches of snow depth and 8.6 inches of water content. The previous record for the snow course, which has been measured since 1980, was set in 1993 with 43 inches and 8.4 water content. The Lake Minchumina snow course is 177 percent of normal and has the 3rd highest snow water content measured since the record began in 1967. Higher years were 1971 and 1995.

Lower Yukon

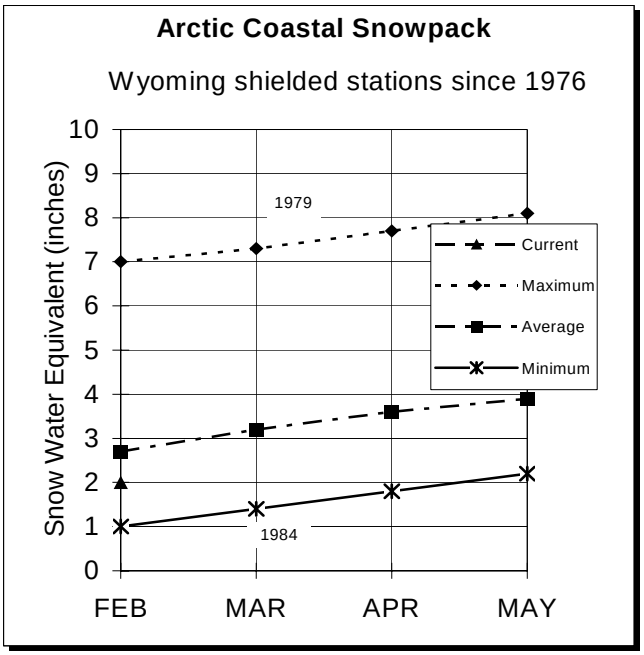
The snow courses in the Innoko Wildlife Refuge vary from 25 inches of snow depth with 5.2 inches of water content at Innoko Inn to 45 inches of snow depth and 10.7 inches of snow water content at the Upper Innoko snow course. This is the most snow measured on February 1st for the 10 years of record.

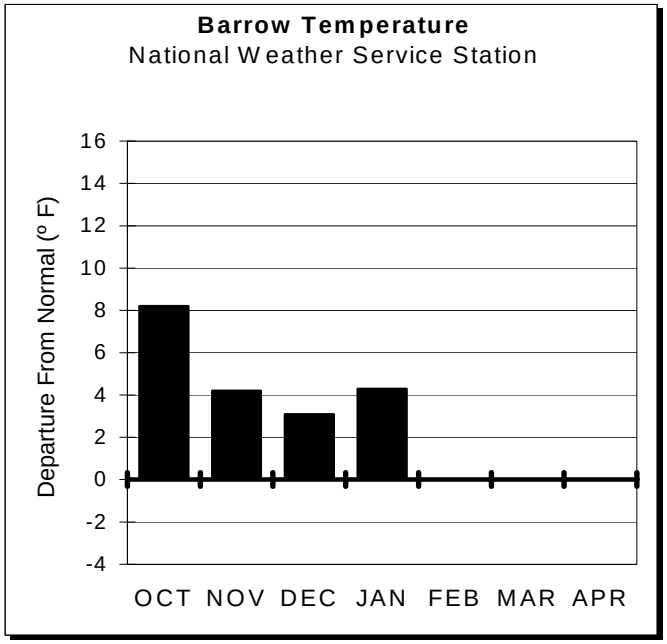
Western Interior Basins

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
December								
Koyukuk								
Bettles Field	640	12/02/04	31	5.0	22	3.6	20	3.1
Bonanza Forks	1200	11/30/04	28	5.0	20	3.8	---	---
Cloverleaf	170	12/03/04	26	5.0	New		---	---
Coldfoot	1040	11/30/04	29	5.7	19	3.5	27	5.1
Disaster Creek	1550	12/01/04	18	2.6	12	2.0	---	---
JR Slough	160	12/03/04	31	5.5	New		---	---
Kaldoyeit	750	12/06/04	18	3.5	---	---	---	---
Kanuti Chalatna	670	12/06/04	29	5.0	---	---	---	---
Kanuti Kilolitna	550	12/06/04	26	4.6	---	---	---	---
Minnkokut	580	12/06/04	27	4.8	---	---		
Nine Mile Island	140	12/02/04	37	6.2	New		---	---
Nolitna	560	12/06/04	32	5.5	---	---	---	---
Pike Trap Lake	130	12/02/04	8	2.0	New		---	---
Squirrel Creek	150	12/02/04	36	6.0	New		---	---
Table Mountain	2200	12/01/04	22	3.4	12	2.0	---	---
Kuskokwim								
McGrath	340	12/08/04	20	3.5	12	2.0	---	---
Purkeypile Mine	2030	11/29/04	23	3.8	---	---	---	---
Lower Yukon								
Holikachuk	100	12/07/04	24	4.2	19	3.2	---	---
Horsefly Creek	180	12/07/04	21	3.7	21	3.6	---	---
Menotl Creek	380	12/07/04	33	6.4	21	4.0	---	---
Middle Innoko	150	12/07/04	18	3.1	15	2.3	---	---
Upper Innoko	180	12/07/04	31	6.0	15	2.3	---	
Wapoo Hills	220	12/07/04	36	7.2	20	3.8	---	---
Yankee Slough	100	12/07/04	23	4.0	24	4.4	---	---
Yetna River	120	12/07/04	19	3.4	17	2.9	---	---
February								
Koyukuk								
Bonanza Forks	1200	1/27/05	36	8.5	21	4.3	21	4.3
Cloverleaf	170	1/31/05	28	6.2	New		---	---
Coldfoot	1040	1/27/05	35	8.3	21	4.6	27	5.1
Disaster Creek	1550	1/27/05	23	3.8	14	1.9	18	3.0
JR Slough	160	1/31/05	31	6.4	New		---	---
Nine Mile Island	140	1/31/05	43	7.6	New		---	---
Pike Trap Lake	130	1/31/05	15	3.5	New		---	---
Squirrel Creek	150	1/31/05	42	7.3	New		---	---
Table Mountain	2200	1/27/05	25	4.9	13	2.4	22	3.4
Kuskokwim								
Lake Minchumina	730	1/28/05	28	5.3	10	1.4	19	3.0
McGrath	340	2/02/05	36	8.6	22	3.2	26	4.2
Purkeypile Mine	2030	1/28/05	30	6.8	23	4.4	20	3.9
Stampede	1800	1/28/05	24	4.8	20	3.3	---	---
Lower Yukon								
Grouch Creek	220	2/01/05	42	10.2	---	---	---	---
Holikachuk	100	2/01/05	33	7.4	---	---	---	---
Horsefly Creek	180	2/01/05	31	6.9	---	---	---	---
Innoko Cabin	200	2/01/05	25	5.2	---	---	---	---
Menotl Creek	380	2/01/05	45	11.2	---	---	---	---
Middle Innoko	150	2/01/05	34	7.8	---	---	---	---
Upper Innoko	180	2/01/05	45	10.7	---	---	---	---
Wapoo Hills	220	2/01/05	41	10.5	---	---	---	---
Yankee Slough	100	2/01/05	32	7.2	---	---	---	---
Yetna River	120	2/01/05	30	6.6	---	---	---	---

ARCTIC AND KOTZEBUE SOUND*





Current Basin Conditions

Arctic

The Barrow precipitation gauge has received 1.6 inches of precipitation, 73 percent of normal, since October 1st. The Dalton Highway has another lean year of snow cover with 2 sites, Atigun Camp and Imnaviat Creek being 43 percent of normal.

Kotzebue

As of February 1st, Red Dog Mine had received 4.7 inches of precipitation since October 1st, 96 percent of normal.

* 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	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Kugarak	225	No Survey			---	---	---	---

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

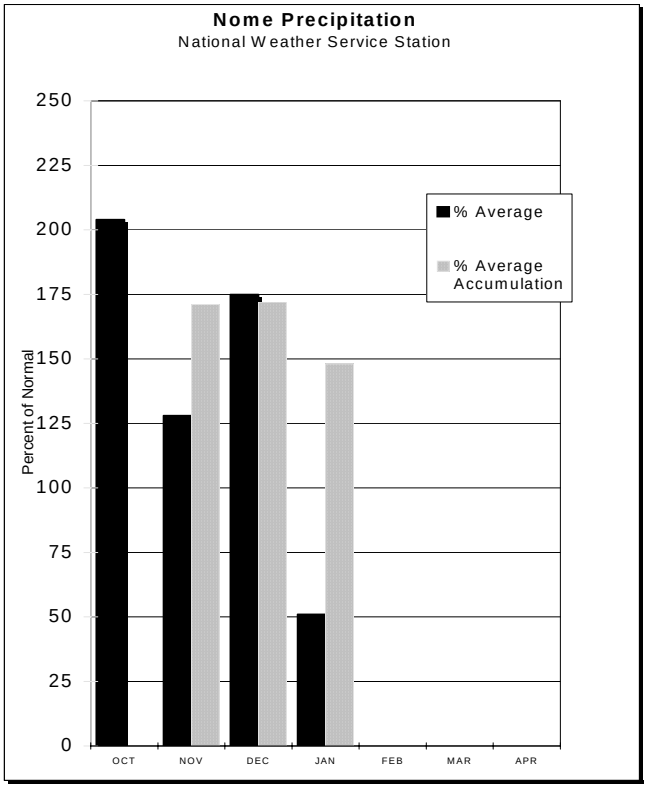
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Arctic						
Atigun Camp	3400	1/28/05	1.4	1.8	3.9	36
Atigun Pass	4800	1/28/05	4.3	3.4	5.9	73
Barrow	25	2/02/05	1.6	2.5	2.2	73
Imnaviat Creek	3050	1/31/05	1.5	1.7	2.9	52
Prudhoe Bay	30	No Report		2.2	2.9	---
Kotzebue Sound						
Kivalina	50	No Report		3.5	---	---
Red Dog**	950	1/31/05	4.7	3.4	4.9	96

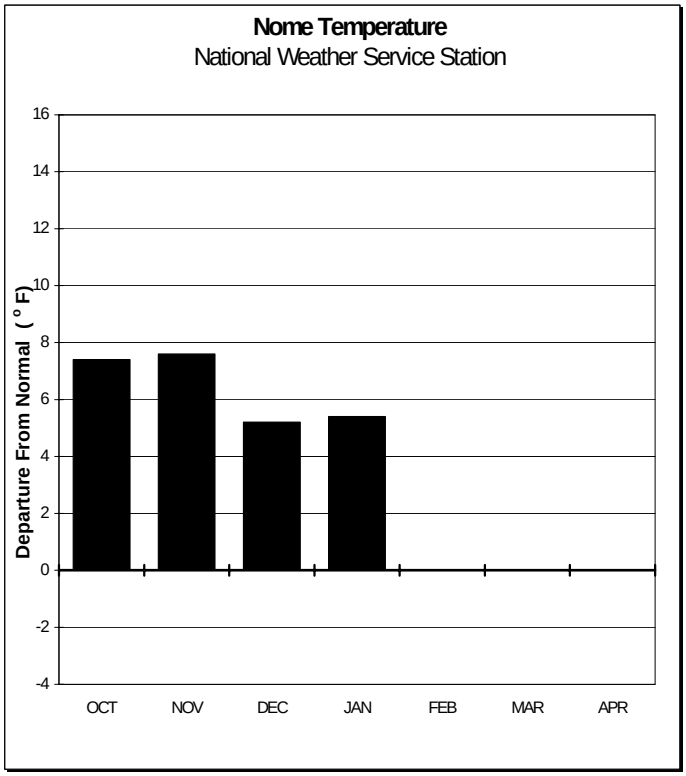
** Wyoming Shielded Gauge

WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Arctic Coast	1	64	73
Dalton Highway	2	83	43

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*





Current Basin Conditions

Norton Sound

The snow started falling the 28th of October at Rocky Point SNOTEL (SNOw TELemetry) site, south of White Mountain. On December 1st there was 10 inches of snow on the ground, January 1st there was 12 inches on the ground and on February 1st was 12 inches of snow on the ground.

Southwest Delta/Bristol Bay

The King Salmon precipitation gauge received 8.48 inches of precipitation since October 1st, 135 percent of normal. Most of this had been in the form of rain, with no snow shown by the National Weather Service Observer at the end of January and snow up to 4 inches having accumulated intermittently through the winter.

No readings have been reported from the Brooks Camp and Three Forks snow course aerial markers.

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

Norton Sound / Southwest Delta / Bristol Bay

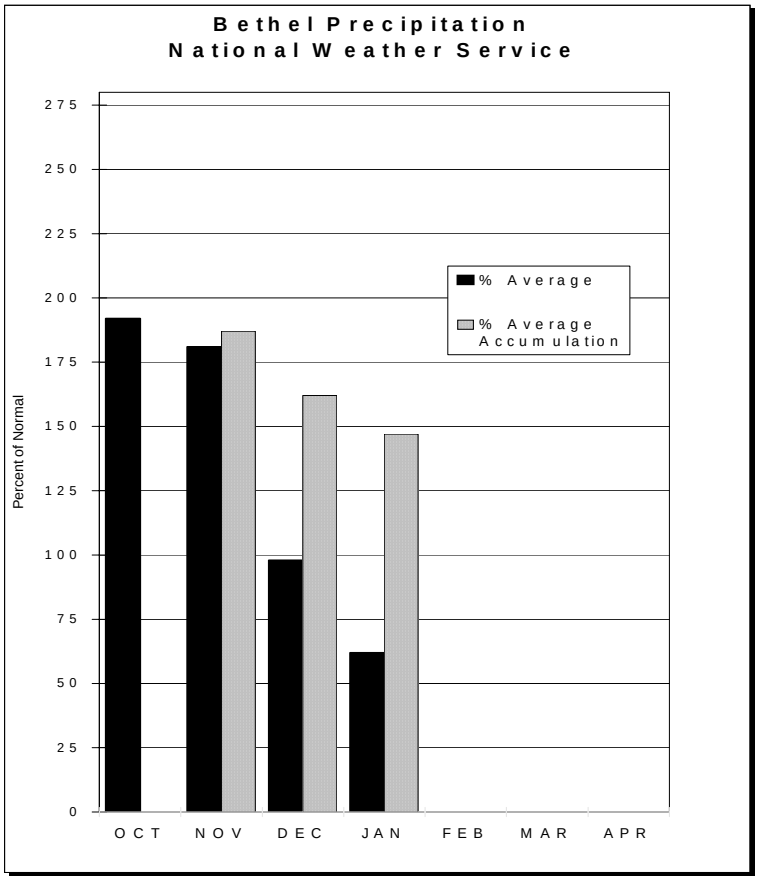
SNOWPACK DATA

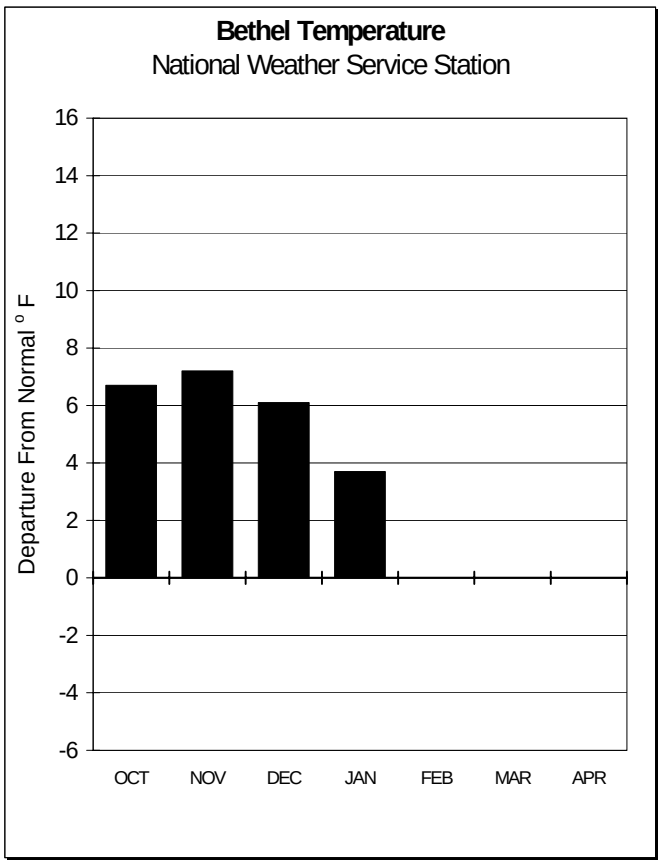
Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)				(inches)			
Bristol Bay								
Brooks Camp	150	12/03/04	0	0.0	9	1.8	38	8.9
Fishtrap Lake	1800	No Survey			29	6.8	---	---
Port Alsworth	270	No Survey			18	3.4	---	---
Three Forks	1300	12/03/04	0	0.0	33	8.2	---	---
Upper Twin Lakes	2000	No Survey			16	2.9	---	---
*Estimate and Wind Effected								
Norton Sound								
Pargon Creek	100	1/31/05	13	2.6	5	1.2	---	---
Rocky Point	250	1/31/05	14	2.8	8	2.0	---	---
Three Forks	1300	No Survey			---	---		
Bristol Bay								
Brooks Camp	150	No Survey			---	---	---	---

PRECIPITATION DATA

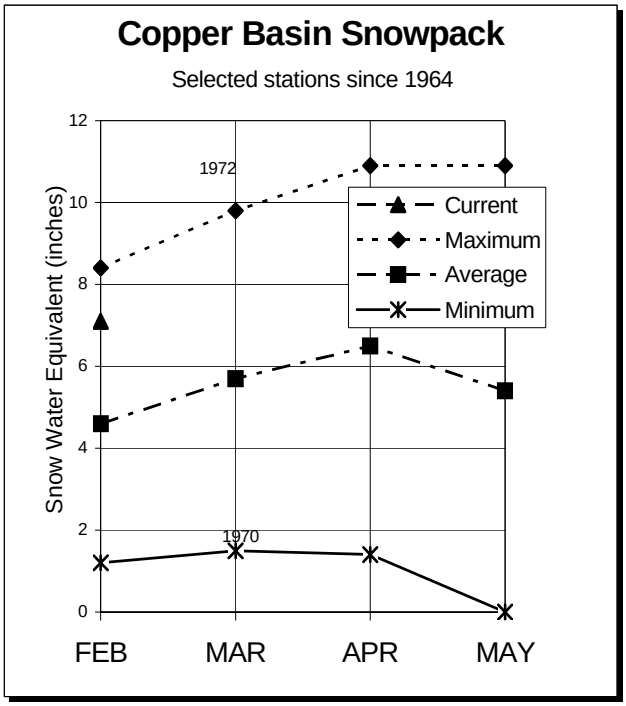
INCHES ACCUMULATED SINCE OCTOBER 1ST

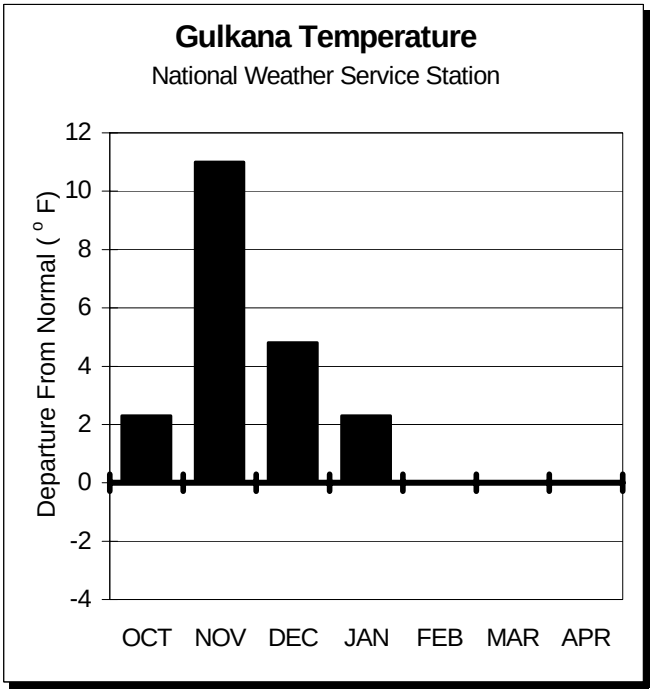
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Pargon Creek	100	1131	5.5	No Report	---	
Rocky Point	500	1131	4.0	4.7	---	





COPPER BASIN*





Current Basin Conditions

The Copper Basin snow courses range from 85 percent of normal snow water content at Kenny Lake to over 200 percent of normal at Dadina Lake.

On the south side of the basin, the Chugach Range is 97 percent of normal and the Basin Floor is 130 percent of normal.

On the west side, the Wrangle Mountains snow courses are 196 percent of normal water content and to the north the Alaska Range is 147 percent of normal.

To the west side of the Basin near the Talkeetna Mountains the snow courses are 165 percent of normal.

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

Copper Basin

SNOWPACK DATA

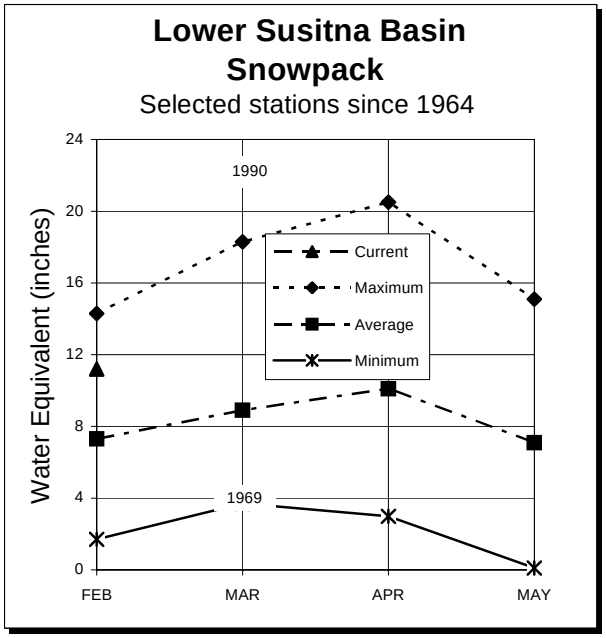
Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)				(inches)			
December								
Chokosna	1550	12/02/04	4	0.9	15	2.1	---	---
Horsepasture Pass	4300	12/04/04	29	4.9	--	--	---	---
Kenny Lake School	1300	11/30/04	4	.9	0.9	1.0	---	---
Lake Louise	2400	12/01/04	14	3.0	12	1.7	---	---
Little Nelchina	2650	12/01/04	18	3.1	---	---	---	---
Long Glacier	4818	12/08/04	31	5.0	New		---	---
May Creek	1610	12/08/04	12	2.2	21	3.5	---	---
St. Anne Lake	1990	12/04/04	17	3.0	---	---	---	---
Tazlina	1225	12/01/04	7	0.9	11	1.1	---	---
Tebay Lake	1927	12/08/04	30	5.2	New		---	---
Tolsona Creek	2000	12/01/04	11	1.8	11	1.3	---	---
January								
Chokosna	1550	1/03/05	12	2.8	21	3.6	---	---
Dadina Lake	2160	12/30/04	27	4.5	26	4.2	19	3.0
Horsepasture Pass	4300	1/02/05	39	7.0	24	4.1		
Kenny Lake School	1300	12/30/04	11	2.3	18	2.9	13	2.2
Lake Louise	2400	12/27/04	24	4.4	---	---	---	---
Little Nelchina	2650	12/28/04	28	4.8	---	---	---	---
Long Glacier	4818	1/11/05	66	13.5	New		---	---
May Creek	1610	1/11/05	16	3.7	25	4.6	---	---
Monsoon Lake	3100	12/30/04	31	6.0	19	2.8	22	3.8
Sanford River	2280	12/30/04	22	3.8	14	2.1	18	3.2
St. Anne Lake	1990	1/02/05	24	4.2	15	2.4	---	---
Tazlina	1225	12/27/04	16	3.2	16	3.2	---	---
Tebay Lake	1930	1/11/05	45	9.5	New		---	---
Tolsona Creek	2000	12/27/04	21	3.2	---	---	---	---
February								
Chistochina	2170	1/31/05	24	4.8	14	1.6	18	3.0
Dadina Lake	2160	2/01/05	35	6.6	26	4.4	24	4.1
Fielding Lake	3000	1/31/05	48	12.2	29	7.0	37	8.4
Haggard Creek	2540	1/31/05	25	4.4	19	2.6	24	4.5
Horsepasture Pass	4300	1/27/05	32	9.4	27	4.7	24	4.6
Kenny Lake School	1300	1/27/05	10	2.2	18	3.4	14	2.6
Lake Louise	2400	1/29/05	26	5.5	21	3.0	20	3.3
Little Nelchina	2650	1/29/05	23	5.3	21	4.2	22	3.8
Mentasta Pass	2430	2/01/05	38	8.4	16	2.9	24	4.8
Monsoon Lake	3100	2/01/05	28	6.5	22	3.4	25	4.7
Paxson	2650	1/31/05	32	6.8	23	4.3	28	5.5
Sanford River	2280	2/01/05	38	7.5	20	3.2	24	4.2
St. Anne Lake	1990	1/28/05	22	4.5	18	3.0	21	4.0
Tazlina	1225	2/02/05	15	3.2	16	2.8	---	---
Tolsona Creek	2000	1/30/05	20	4.2	17	3.1	19	3.2
Tsaina River	1650	1/28/05	38	9.6	38	7.4	50	12.5
Worthington Glacier	2100	1/28/05	51	15.9	53	14.9	62	16.6

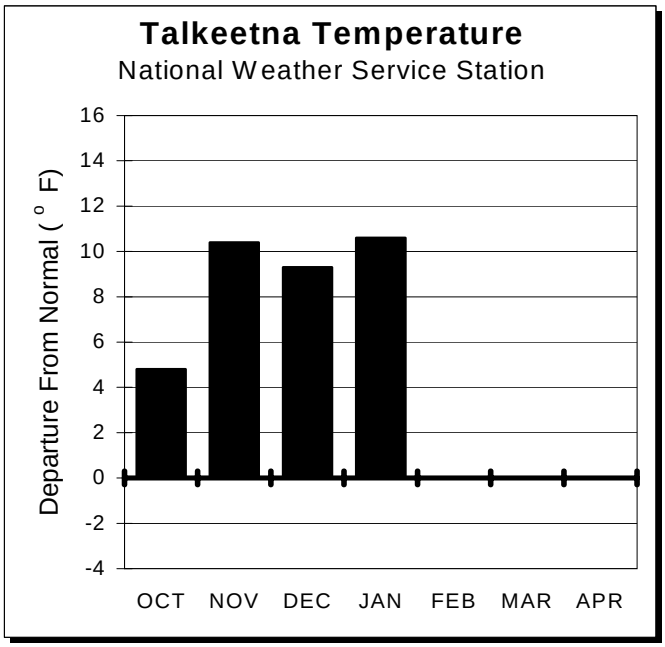
WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Alaska Range	3	193	145
Basin Floor*	6	156	130
Chugach Range	3	119	97
Talkeetna Mountains	3	177	165
Wrangell Mountains	2	186	196

*At the foot of the Alaska Range.

MATANUSKA - SUSITNA BASINS*





Current Basin Conditions

In the Alaska Range, the Monahan Flat snow course, 50 miles east of Cantwell, off the Denali Highway, set record snow water content for February 1st, with the measurements beginning 1964. Measured at the snow course was 44 inches of snow depth with 11.9 inches of water content, the previous record of 49 inches and 10.9 inches of water content was measured January 29, 1990.

The Fog Lakes snow course, south of the Susitna River in the northern Talkeetna Mountains, was 2nd highest amount measured for February 1s, with a measurement of 35 inches of snow depth and 8.9 inches of water content.

Skwentna, on the west side of the Susitna Valley, south of the Alaska Range, has 48 inches of snow depth and 14.4 inches of snow water content, 175 percent of normal. This is the second highest measurement on record, with the record 65 inches of snow depth and 16.9 inches of water content having been set in 1990.

In the Hatcher Pass area the snow courses average 146 percent of normal, with the Fishhook Basin snow course being the highest above normal at 173 percent.

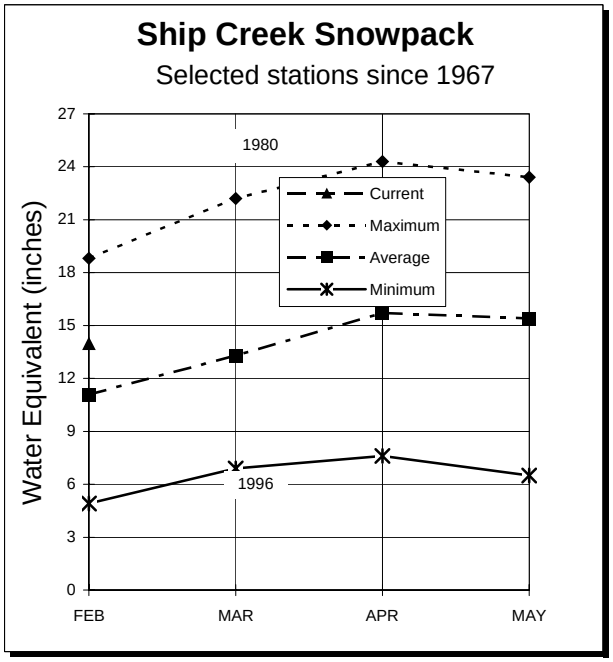
* For more information contact the Natural Resources Conservation Service in Wasilla.

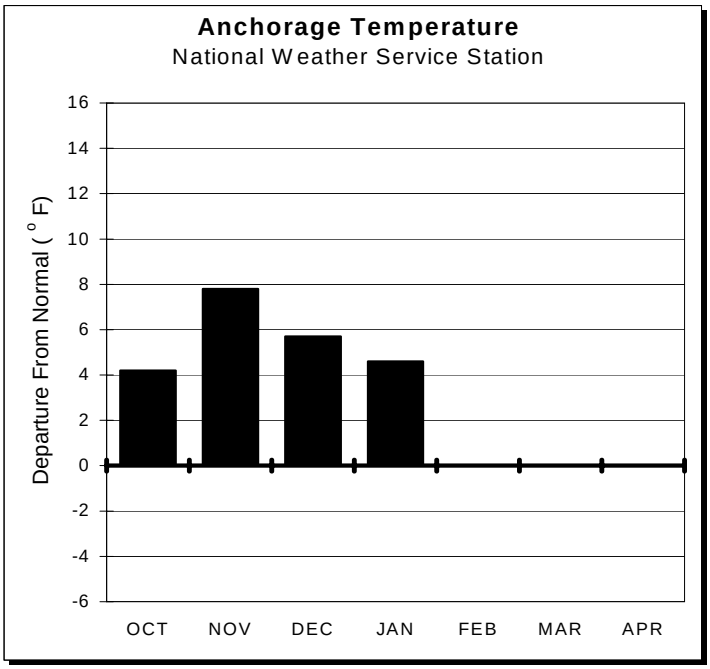
Matanuska - Susitna Basins

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
December								
Archangel Road	2200	12/03/04	43	9.3	53	10.6	---	---
Blueberry Hill	1200	12/01/04	66	13.5	29	5.8	---	---
Chelatna Lake	1450	12/03/04	44	8.8	17	2.8	---	---
Curtis Lake	2850	12/04/04	21	3.6	--	--	---	--
Denali View	700	12/01/04	55	11.3	23	4.0	---	---
Dutch Hills	3100	12/03/04	113	25.1	41	8.4	---	---
E. Fork Chulitna	1800	12/01/04	63	14.1	28	6.0	---	---
Eldridge Glacier	3400	12/03/04	28	6.5	9	1.4	---	---
Fishhook Basin	3300	No Survey			51	10.6	---	---
Halfway Slough	350	12/01/04	30	6.9	19	3.0	---	---
Independence Mine	3550	No Survey			55	11.3	---	---
Lake Louise	2400	12/01/04	14	3.0	12	1.7	---	---
Little Susitna	1700	12/03/04	36	8.0	42	5.9	---	---
Monahan Flat	2710	12/04/04	34	7.2	--	--	---	---
Moose Creek Ranch	450	12/03/04	20	3.9	17	2.1	---	---
Nugget Bench	2010	12/03/04	52	10.7	32	6.4	---	---
Ramsdyke Creek	2220	12/03/04	66	14.0	44	8.8	---	---
Sheep Mountain	2900	12/01/04	21	3.1	13	1.3	---	---
Susitna Valley High	375	12/02/04	30	7.1	20	2.9	---	---
Talkeetna Airport	350	12/02/04	33	7.4	17	2.6	---	---
Tokositna Valley	850	12/03/04	70	15.4	34	6.8	---	---
West Fork Yentna	950	12/03/04	45	10.0	7	1.1	---	---
Willow Airstrip	200	12/02/04	16	3.4	26	3.7	---	---
February								
Alexander Lake	160	1/31/05	44	13.4	27	6.1	37	8.6
Archangel Road	2200	2/01/05	52	14.1	33	8.5	43	12.1
Blueberry Hill	1200	1/28/05	65	19.1	32	7.7	49	11.5
Chelatna Lake	1650	2/03/05	47	14.3	31	7.1	36	8.3
Clearwater Lake	2650	No Survey			19	3.0	24	4.2
Curtis Lake	2850	1/27/05	24	4.6	20	3.1	---	---
Denali View	700	1/31/05	56	17.4	27	6.3	42	9.6
Dunkle Hills	2700	1/28/05	63	19.5	15	3.5	---	---
Dutch Hills	3100	2/03/05	88	32.0	44	11.5	69	19.6
E. Fork Chulitna	1800	1/28/05	64	19.8	33	7.6	45	10.5
Eldridge Glacier	3400	1/28/05	27	8.4	6	1.8	---	---
Fishhook Basin	3300	2/03/05	76	26.6	47	12.4	51	15.4
Fog Lakes	2120	1/27/05	35	8.9	20	3.2	25	4.5
Halfway Slough	350	1/31/05	32	7.1	22	4.3	---	---
Independence Mine	3550	2/03/05	82	28.9	52	14.7	61	18.1
Lake Louise	2400	1/29/05	26	5.5	21	3.0	20	3.3
Little Susitna	1700	2/01/05	44	11.2	31	7.3	37	9.6
Monahan Flat	2710	1/27/05	44	11.9	27	5.1	31	6.1
Moose Creek Ranch	450	2/01/05	20	5.9	15	3.0	---	---
Nugget Bench	2010	2/03/05	55	17.0	32	7.7	45	10.9
Ramsdyke Creek	2220	2/03/05	75	22.8	42	10.5	61	16.3
Sheep Mountain	2900	1/29/05	28	6.1	22	3.9	23	4.6
Skwentna	160	1/31/05	48	14.7	28	6.1	37	8.5
Square Lake	2950	1/27/05	23	5.0	19	3.0	19	3.2
Susitna Valley High	500	1/31/05	38	9.9	22	4.2	34	6.8
Talkeetna	350	1/28/05	41	10.3	19	4.0	28	6.2
Tokositna Valley	850	2/03/05	61	18.6	41	10.0	55	13.6
Tyone River	2500	1/31/05	21	4.6	25	4.0	21	3.4
Upper Oshetna River	3150	No Survey			11	2.0	---	---
Upper Sanona Creek	3100	1/27/05	28	6.2	23	3.6	---	---
West Fork Yentna	950	2/03/05	55	16.0	44	11.0	---	---
Willow Airstrip	200	1/31/05	27	6.9	25	5.4	26	5.7
Ward Lake	2700	No Survey			31	5.0	---	---

NORTHERN COOK INLET*





Current Basin Conditions

The Anchorage Hillside snow course is 144 percent of normal, while the Kincaid snow course is 44 percent of normal. The precipitation has come as snow at Anchorage Hillside and too much came as rain at Kincaid Park.

Portage snow course, at the head of Turnagain Arm, has 5 inches of snow and 2.7 inches of water content, while last year it had 48 inches of snow depth and 15.1 inches of water content.

* 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 Snow Depth	THIS YEAR Water Content	LAST YEAR Snow Depth	LAST YEAR Water Content	1971-2000 AVERAGE Snow Depth	1971-2000 AVERAGE Water Content
	(feet)		(inches)					
December								
Anchorage Hillside	2080	12/01/04	23	5.3	18	2.5	---	---
Indian Pass	2350	12/02/04	50	12.2	--	--	34	7.9
Kincaid Park	250	12/03/04	7	0.9	16	2.5	---	---
Mt. Alyeska	1540	12/02/04	32	8.2	48	7.6	---	---
Point Mackenzie	200	12/03/04	11	2.1	18	2.2	---	---
Portage Valley	50	11/30/04	8	3.2	13	1.6	---	---
South Campbell Creek	1200	12/01/04	7	2.1	15	2.0	---	---
January								
Indian Pass	2350	12/31/04	60	16.9	50	13.6	50	13.9
Kincaid Park	250	12/30/04	10	2.3	25	5.1	14	2.6
Point Mackenzie	200	12/31/04	15	3.4	18	4.0	16	3.5
Portage Valley	50	12/22/04	15	4.8	43	11.9	---	---
February								
Anchorage Hillside	2080	2/01/05	33	10.2	32	7.9	30	7.1
Indian Pass	2350	1/31/05	68	20.4	50	13.9	57	16.8
Kincaid Park	250	2/03/05	4	1.6	24	6.4	17	3.4
Moraine	2100	1/31/05	17	5.3	22	5.3	---	---
Mt. Alyeska	1540	1/27/05	51	15.2	61	19.2	78	23.5
Point Mackenzie	200	2/01/05	18	4.1	22	4.3	19	4.3
Portage Valley	50	1/31/05	5	2.7	48	15.1	33	10.4
South Campbell Creek	1200	2/01/05	14	4.2	26	5.7	22	5.0

PRECIPITATION DATA

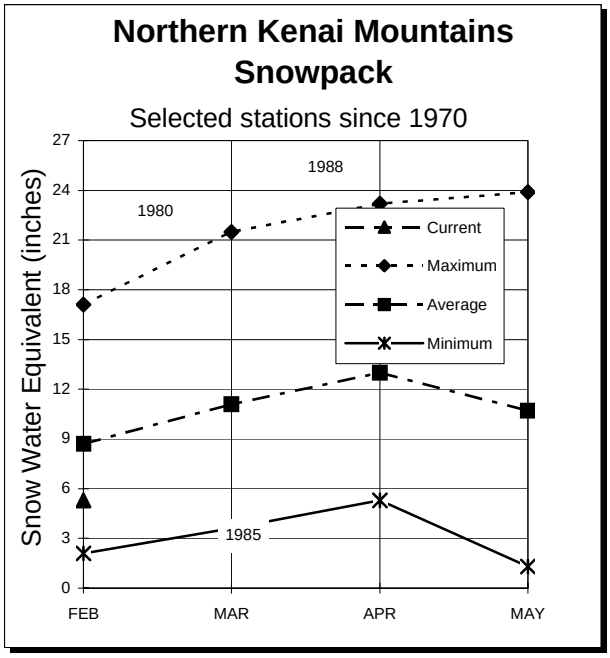
INCHES ACCUMULATED SINCE OCTOBER 1ST

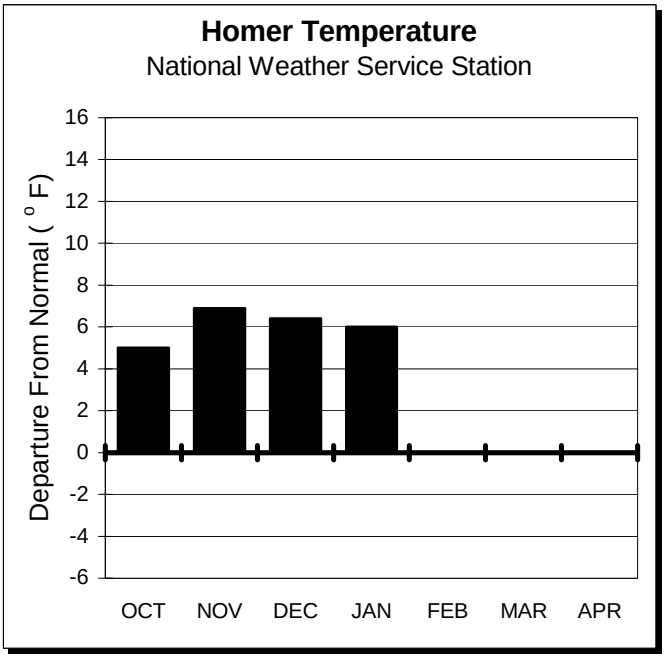
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Indian Pass	2350	1/31/05	24.3	17.0	18.1	134
Moraine	2100	1/31/05	7.3	7.8	---	
Mt. Alyeska	1540	1/27/05	28.5	31.4	28.3	101
Point Mackenzie	200	2/01/05	8.1	7.4	6.5	125

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Campbell Creek	2	106	119
Ship Creek	3	134	131
Turnagain Arm	2	76	66

KENAI PENINSULA*





Current Basin Conditions

The Northern Kenai Mountains snow courses average 68 percent of normal, with the Moose Pass snow course at 44 percent of normal snow water content, the Kenai Summit snow course at 80 percent of normal water content, and Bertha Creek snow course at 52 percent of normal water content.

On the rim above and east of Homer, Bridge Creek is 81 percent of normal and Eagle Lake is 89 percent 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
	(feet)		(inches)					
December								
Anchor River Divide	1650	12/01/04	11	2.9	New		---	---
Bertha Creek	950	11/30/04	9	2.3	12	1.4	---	---
Bridge Creek	1300	12/03/04	10	1.9	8	0.9	---	---
Cooper Lake	1200	11/29/04	19	5.0	18	2.8	---	---
Demonstration Forest	780	12/03/04	0	0.0	6	0.7	---	---
Eagle Lake	1400	12/03/04	12	2.2	---	---	---	---
Grandview	1100	11/30/04	21	5.0	---	---	---	---
Grouse Creek Divide	700	11/29/04	19	5.4	---	---	---	---
Jean Lake	620	11/29/04	3	0.6	12	1.5	---	---
Kachemak Creek	1660	12/10/04	27	5.9	New		---	---
Kenai Summit	1390	11/30/04	21	4.6	16	2.0	---	---
McNeil Canyon	1320	12/03/04	10	2.0	8	1.1	21	3.9
Moose Pass	700	11/30/04	4	1.4	12	1.5	---	---
Nuka Glacier	1250	12/10/04	36	8.5	11	3.0	---	---
Snug Harbor Road	500	11/29/04	0	0.0	10	1.6	---	---
Summit Creek	1400	11/30/04	21	4.9	16	2.0	23	5.6
January								
Bertha Creek	950	12/30/04	23	4.9	39	8.7	33	8.6
Grouse Creek Divide	700	1/02/05	32	8.1	30	6.8	32	8.0
Jean Lake	620	1/02/05	9	2.2	26	5.9	---	---
Kenai Summit	1390	12/30/04	33	7.1	32	6.7	31	7.3
Moose Pass	700	12/31/04	12	3.0	28	5.3	13	3.0
Summit Creek	1400	12/31/04	30	7.2	28	5.7	26	6.4
February								
Anchor River Divide	1650	1/31/05	27	8.0	---	---	37	8.9
Bertha Creek	950	1/29/05	20	6.0	43	12.9	43	11.6
Bridge Creek	1300	2/02/05	24	6.3	33	7.2	32	7.8
Cooper Lake	1200	1/31/05	31	9.0	50	15	45	12.0
Demonstration Forest	780	2/02/05	8	1.6	24	4.8	23	5.7
Eagle Lake	1400	2/02/05	29	7.2	---	---	32	8.1
Grandview	1100	1/31/05	11	2.4	65	21.0	64	18.9
Grouse Creek Divide	700	1/31/05	26	8.1	38	9.8	41	11.5
Jean Lake	620	1/31/05	6	1.2	31	7.0	15	3.1
Kenai Moose Pens	300	1/31/05	11	2.4	27	5.9	15	3.3
Kenai Summit	1390	1/29/05	30	7.9	37	9.8	39	9.9
McNeil Canyon	1320	1/31/05	19	7.9	32	8.7	31	7.1
Moose Pass	700	1/29/05	5	2.0	31	8.4	18	4.6
Nuka Glacier	1250	1/31/05	34	10.2	53	14.4	61	24.2
Port Graham	300	1/31/05	0	0.0	15	4.1	---	---
Snug Harbor Road	500	1/31/05	1	0.4	33	8.8	17	3.6
Summit Creek	1400	1/29/05	30	8.3	31	7.8	33	8.2
Turnagain Pass	1880	1/26/05	49	14.7	75	19.9	81	23.2

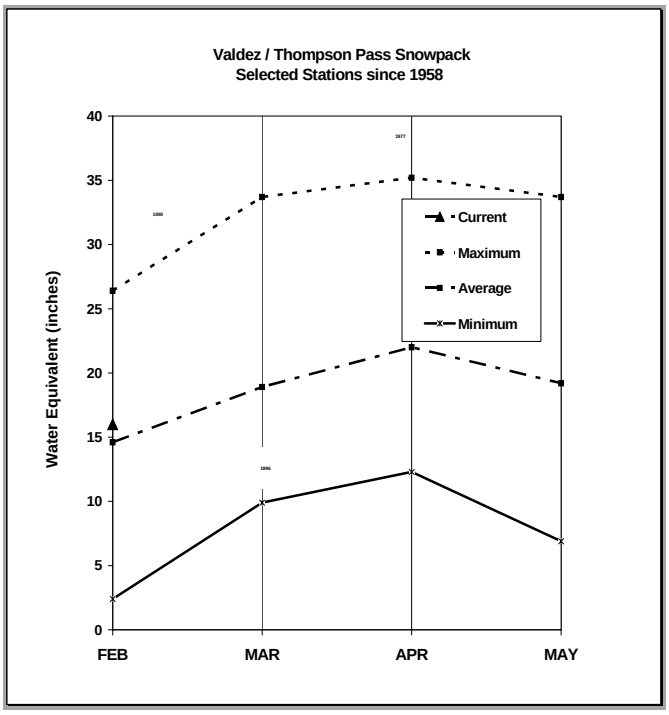
PRECIPITATION DATA

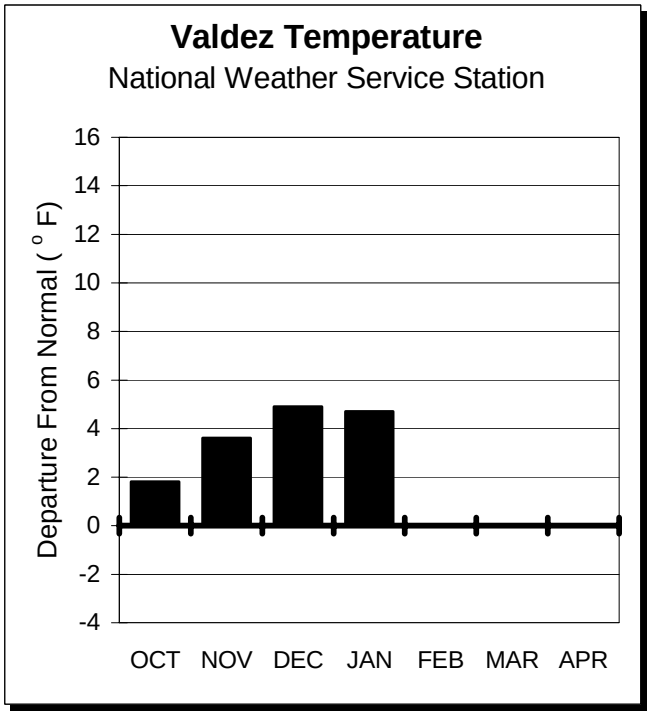
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchor River Divide	1650	1/31/05	16.2	New	---	---
Cooper Lake	1200	1/31/05	20.7	28.3	17.9	82
Grandview	1100	1/31/05	22.1	31.3	27.1	108
Grouse Creek Divide	700	1/31/05	27.8	29.1	25.8	87
Kachemak Creek	1660	1/31/05	38.1	New	---	---
Kenai Moose Pens	300	1/31/05	5.5	8.8	6.3	110
McNeil Canyon	1320	1/31/05	12.2	14.0	11.3	107
Middle Fork Bradley	2300	1/31/05	28.5	22.4	26.0	110
Nuka Glacier**	1250	1/31/05	43.3	40.5	40.3	107
Port Graham	300	1/31/05	41.1	31.1	---	---
Summit Creek	1400	1/29/05	8.4	12.8	12.5	67
Turnagain Pass	1880	1/26/05	19.4	28.4	28.9	67

* Estimate **Wyoming Shielded gauge

WESTERN GULF*





Current Basin Conditions

The Grouse Creek snow course, Mile 12 of the Seward Highway, is 69 percent of normal.

The Valdez area snow courses, ranging from the Solomon Gulch Hydroelectric power plant to Worthington Glacier on Thompson Pass, are 110 percent of normal

The Sugarloaf Mountain Precipitation gauge has received 40.2 inches of precipitation, or 134 percent of normal, since October 1st.

* 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	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
December								
Grouse Creek Divide	700	11/29/04	19	5.4	13	1.8	16	2.8
Exit Glacier	400	12/01/04	20	7.0	---	---	---	---
Nuka Glacier	1250	12/10/04	36	8.5	11	3.0	---	---
January								
Exit Glacier	400	12/29/04	39	11.2	---	---	---	---
February								
Exit Glacier	400	No Survey			--	--	48	11.7
Grouse Creek Divide	700	1/31/05	26	8.1	39	9.8	41	11.5
Lowe River	425	1/28/05	44	10.8	44	11.7	46	11.8
Nuka Glacier	1250	1/31/05	34	10.2	53	14.4	61	24.2
Sugarloaf Mountain	550	1/28/05	70	21.7	50	15.6	65	18.2
Tsaina River	1650	1/28/05	38	9.6	38	7.4	50	12.5
Upper Tsaina River	1750	1/25/05	44	11.7	49	13.4	---	---
Valdez	50	1/28/05	51	15.8	37	9.8	45	11.9
Worthington Glacier	2100	1/28/05	51	15.9	53	14.9	62	16.6

*Estimate

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

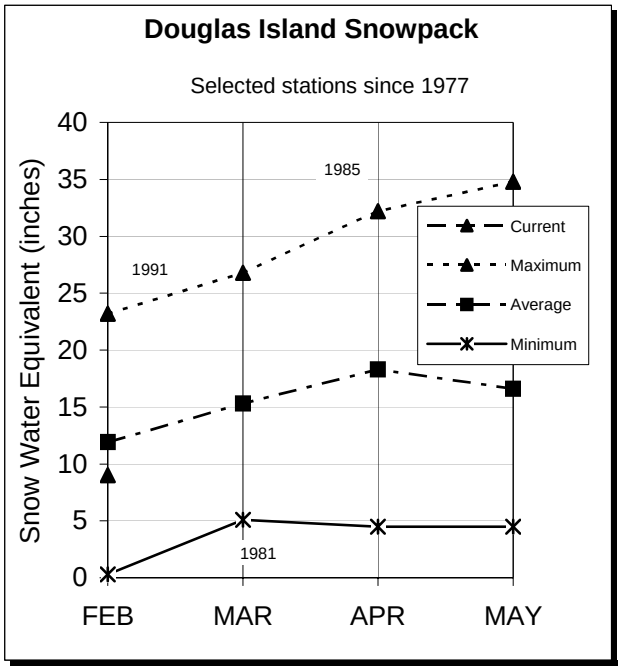
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Grouse Creek Divide	700	1/31/05	27.8	29.1	25.8	108
Nuka Glacier**	1250	1/31/05	43.3	40.5	40.3	107
Solomon Gulch*	30	No Report		20.6	30.5	
Sugarloaf Mountain	550	1/28/05	40.2	25.2	29.9	134
Upper Tsaina River	1750	1/25/05	20.5	17.3	---	

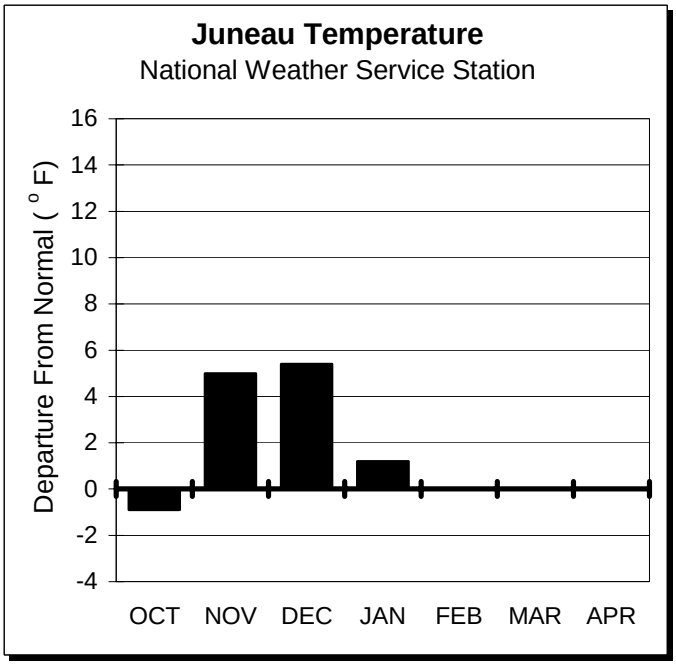
**Wyoming shielded gauge
*Copper Valley Electric Association

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lowe River (Valdez)	4	123	110

SOUTHEAST*





Current Basin Conditions

The Petersburg Ridge snow course has set a record low snow measurement for February 1st , with 7 inches of snow depth and 2.8 inches of water content. The record extends back to 1979 and the previous low was in 2003, with 12 inches and 3.5 inches of water content. The average is 57 inches of snow depth and 16.9 inches of water content.

The Swan Lake snow courses had very little snow for their January 1st measurement, ranging from 5 inches of snow at Lost Lake (425 feet) to 38 inches of snow depth and 11.8 inches of water content at Lake Grace Pass. Last year Lake Grace Pass had 77 inches of depth with 25.3 inches of water content.

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

Southeast

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
December								
Cropley Lake	1650	11/30/04	28	10.1	45	9.4	---	---
Eagle Crest	1200	11/30/04	6	2.3	32	6.0	---	---
Fish Creek	500	11/30/04	0	0.0	14	2.1	---	---
Long Lake	850	12/01/04	10	3.9	49	12.2	---	---
Moore Creek Bridge	2250	12/01/04	20	5.6	23	4.4	---	---
Petersburg Reservoir	550	11/29/04	0	0.0	22	6.0	---	---
Petersburg Ridge	1650	11/29/04	13	3.2	27	7.0	---	---
January								
Cropley Lake	1650	12/29/04	40	9.7	56	18.5	48	14.1
Eagle Crest	1200	12/29/04	14	2.0	36	9.1	33	9.2
Fish Creek	500	12/29/04	6	1.2	10	2.6	17	3.3
Lake Grace Pass	1900	1/03/05	38	11.8	77	25.3	---	---
Long Lake	850	12/31/04	29	8.4	66	20.8	---	---
Lost Lake	425	1/03/05	5	0.5	36	9.7	---	---
Mint Creek Ridge	1900	1/03/05	14	1.9	72	22.4	---	---
Petersburg Reservoir	550	12/29/04	0	0.0	17	3.6	13	3.3
Petersburg Ridge	1650	12/29/04	17	3.3	40	13.4	40	11.3
Upper Swan Lake	1700	1/03/05	7	0.7	38	10.3	---	---
February								
Cropley Lake	1650	1/31/05	58	15.3	53	19.2	58	18.4
Eagle Crest	1200	1/31/05	29	6.7	34	10.0	41	12.2
Fish Creek	500	1/31/05	18	4.9	7	2.9	20	5.0
Long Lake	850	2/02/05	78	21.0	78	24.8	---	---
Moore Creek Bridge	2250	1/31/05	54	12.4	60	17.4	62	16.9
Petersburg Reservoir	550	1/31/05	0	0.0	4	0.5	17	4.5
Petersburg Ridge	1650	1/31/05	7	2.8	46	17.0	57	16.9

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Long Lake	850	1/24	64.1	66.2	77.5	83
Moore Creek Bridge	2250	1/31	18.4	16.3	---	---
Snettisham	25	1/31	103.2	72.1	81.6	126
Swan Lake	50	1/31	87.4	94.8	65.1	134

WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Douglas Island	3	90	76
Petersburg	2	16	13
Long Lake	1	88	87

For further information contact:

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

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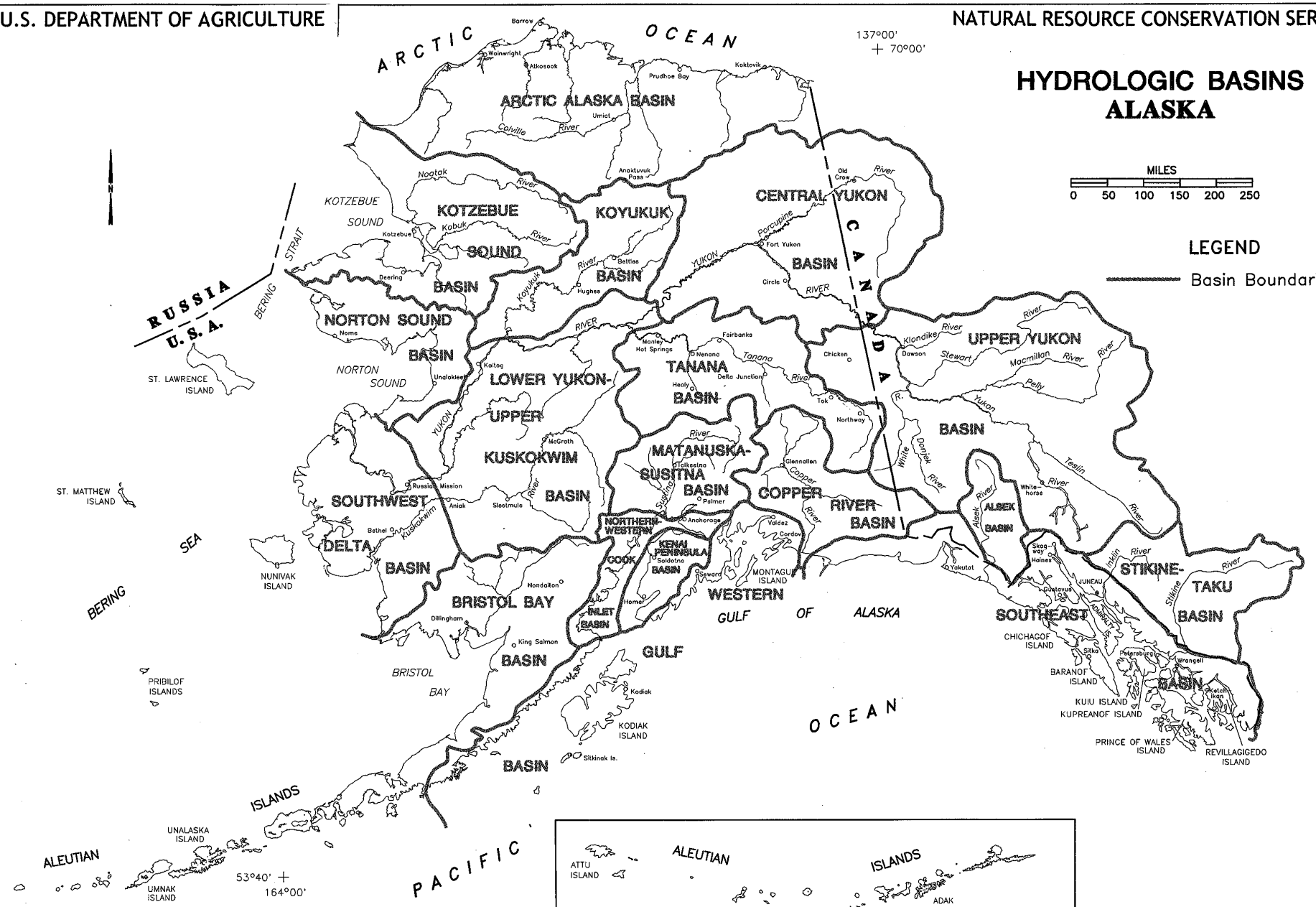
U.S. DEPARTMENT OF AGRICULTURE

NATURAL RESOURCE CONSERVATION SERVICE

HYDROLOGIC BASINS
ALASKA



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

REVISED DECEMBER 1993 1003609

USDA, SCS, NATIONAL CARTOGRAPHY & GIS CENTER, FORT WORTH, TX, 1993

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Alaska
Snow Survey Report

Natural Resources Conservation Service
Anchorage, AK