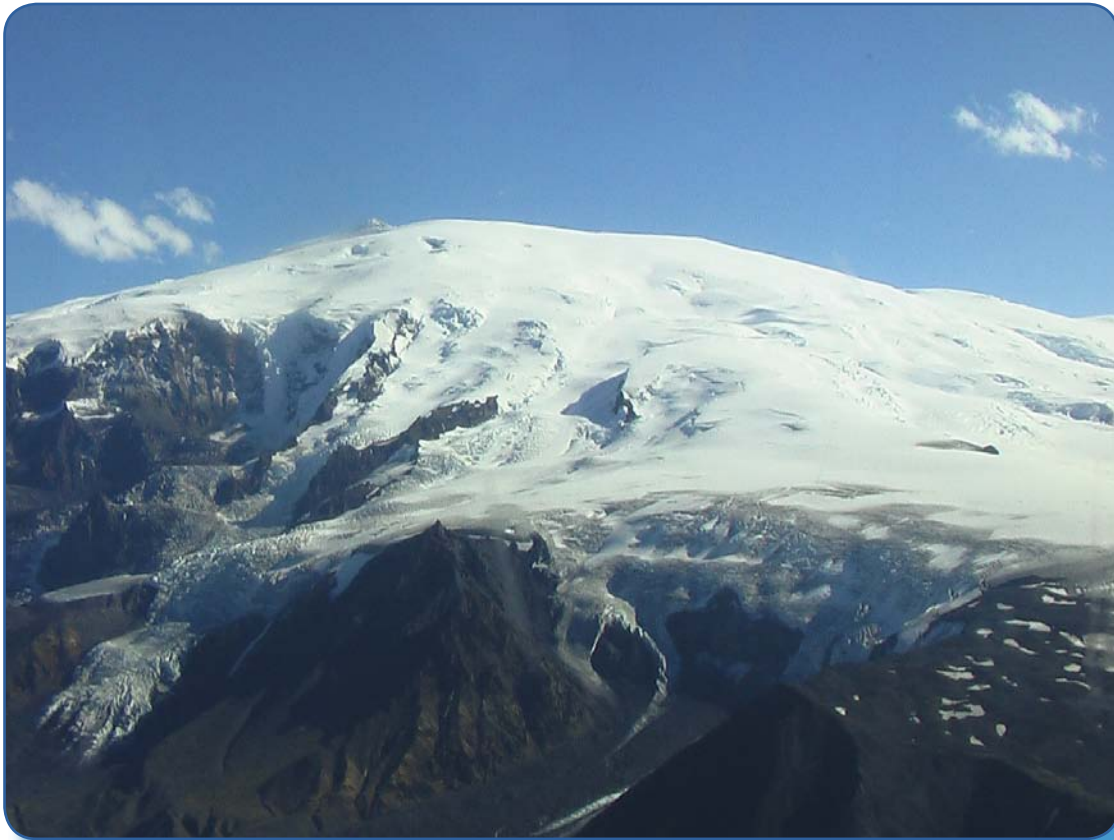


United States Department of Agriculture



# ALASKA SNOW SURVEY REPORT



**February 1, 2010**

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

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Chugach National Forest

Tongass National Forest

### Department of Commerce

NOAA, Alaska Pacific RFC

Climate Monitoring and Diagnostics

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## Private

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Alyeska Resort, Inc.

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Anchorage Municipal Light and Power

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## GENERAL OVERVIEW

### Snowpack

The snow started early this year north of the Alaska Range at two higher elevation SNOTEL sites, September 18<sup>th</sup> at Atigun Pass and the 19<sup>th</sup> at Eagle Summit. Several SNOTEL sites in the Chena Basin received snow the 21<sup>st</sup> and the Fort Yukon snow started September 23<sup>rd</sup>.

However, at lower elevation, the snow started late as indicated by Coldfoot when it started October 19<sup>th</sup>. This is the case for sites south of the Alaska Range with snow beginning from the 19<sup>th</sup> to the 26<sup>th</sup> of October where normal is the 10<sup>th</sup> to the 12<sup>th</sup> of October.

For most of the state the snow may have started early in some areas, but there has been little accumulation with most of the state below normal. The Kenai Peninsula and the Gulf Coast starting near Valdez continuing east and south is in the normal range of 90 to 110 percent of snow water content. This includes the southeast portion of the large Copper basin. The snow water contents measured at the snow courses in the Swan Lake Hydro-electric project near Ketchikan were in the normal range the 5<sup>th</sup> of January.

The low snow water content areas start at Atigun Pass, in the Brooks Range and extends south through a strip in the middle of the state which extends to the west of Fairbanks and continues south to the west side of the Alaska Range to the Lake Clark. These areas are less than 50 percent of normal. The Table Mountain snow course, just south of Atigun Pass has a record low water content for February 1<sup>st</sup> as does the Lake Minchumina snow course, 100 miles southwest of Fairbanks. The Brooks Camp snow course, near King Salmon, reports a skiff of snow and the Three Forks aerial marker has 5 inches of snow depth.

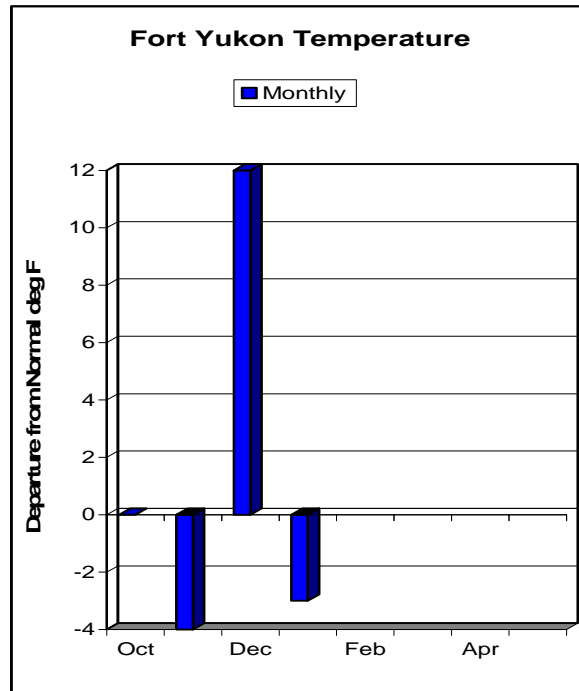
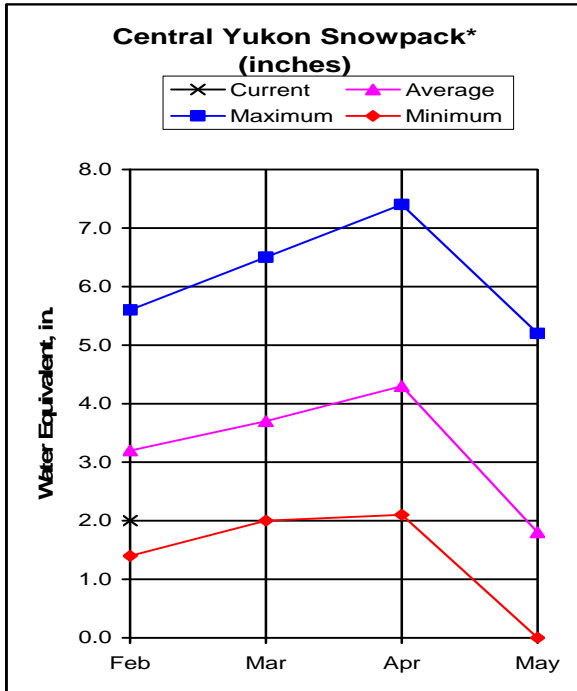
### Precipitation

For October, the southwest part of the state and the north coast were above normal while most of the rest of the state was below. Bethel received 2 inches more than its average of 1.45 inches. During November the west and southeast portion of the state had above normal precipitation with southeast/Juneau receiving 148 percent of normal or 2.36 inches above normal. However, the interior and eastern interior portions of the state were abnormally low as shown by Fairbanks, which received .35 inches or 44 percent of normal. The month of December precipitation was quite variable across the state with Barrow receiving .71 inches or 444 percent of normal and Bethel receiving 54 percent of normal or .56 inches. McGrath was much below normal as was Fairbanks, Fairbank's 3<sup>rd</sup> month in a row. Juneau was also below normal at 86 percent. Homer was above normal at 123 percent. For the month of January, Bethel, Gulkana and Juneau reported above normal precipitation while the rest of the state received below to well below normal precipitation. Fairbanks, again was well below normal with .08 inches reported or 17 percent of normal.

### Temperature

For interior and western Alaska, the normal monthly temperatures have gone from above normal in October, to below normal in November, to above normal in December, to below normal in January. Bettles' temperatures were 6 deg F (departure) above in October, 6 below in November, 5 above in December to 5 below normal in January. For South Central, the Gulf Coast and Southeast the average monthly temperatures were normal or above normal for all 4 months. This includes Anchorage, Homer, Cordova, and Juneau. Homer was 4 deg F above normal for October, normal for November, 4 deg F above for December and 3 deg F above normal for January. The Upper Susitna Valley and the Copper Valley saw a lower than normal November, at -2 deg F below normal being reported at Talkkeetna and Gulkana, with the other three months being above normal.

# CENTRAL YUKON BASIN\*



## Current Basin Conditions

The Eagle Summit SNOTEL site received 3 inches of snow the 19<sup>th</sup> of September, it currently has 10 inches and the precipitation gauge has received 2.8 inches of precipitation since October 1<sup>st</sup>, 65 percent of normal. The Upper Nome Creek SNOTEL site has 13 inches of snow and an estimated 2.2 inches of water content. Four inches of snow were on the ground at this site by October 1<sup>st</sup> having started the 21<sup>st</sup> of September.

The Fort Yukon SNOTEL site has 12 inches of snow depth and an estimated 1.7 inches of snow water content. The snowpack at Fort Yukon started accumulating September 23<sup>rd</sup>. The Coal Creek snow course in the Yukon Charlie National Park has 15 inches of snow depth with 1.9 inches of water content. This is in the 60 percent of normal range.

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

# Central Yukon Basin

## SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
<b>December</b>								
Cathedral Creek	1800	11/30/09	6	1.0	13	2.6	---	---
Coal Creel	1000	11/30/09	6	1.0	12	2.4	---	---
Copper Creek	2000	11/30/09	8	1.3	12	2.5	---	---
Crescent Creek	2600	11/30/09	3	0.5	9	1.8	---	---
Fort Yukon	430	11/30/09	8	1.2*	10	1.4	---	---
Hess Creek	1000	11/30/09	12	1.3	10	1.6	---	---
Mission Creek	900	No Data			11	2.2	---	---
Seven Mile	600	11/30/09	10	1.0	16	2.1	---	---
Step Mountain	2850	11/30/09	5	0.8	15	2.8	---	---
Thirty Mile	1350	11/30/09	16	2.3	20	2.8		
Three Fingers	3350	11/30/09	7	1.1	17	3.0	---	---
Upper Nome Creek	2650	11/30/09	10	1.6	17	1.7	---	---
<b>January</b>								
Fort Yukon	430	12/31/09	10	1.5	12	1.7	16	2.2
Upper Nome Creek	2650	12/31/09	12	2.2	11	2.5	---	---
<b>February</b>								
Borealis	1330	2/06/10	14	2.0	17	3.2	25	4.0
Cathedral Creek	1800	1/31/10	18	2.4	22	3.3	---	---
Coal Creek	1000	1/31/10	15	1.9	18	2.7	---	---
Copper Creek	2000	1/31/10	8	1.0	14	2.2	---	---
Crescent Creek	2600	1/31/10	13	1.6	11	1.7	---	---
Fort Yukon	430	2/01/10	12	1.7*	16	2.6	18	2.8
Fossil	1400	2/06/10	12	1.5	16	2.3	26	4.1
Hess Creek	1000	1/28/10	18	2.9	22	3.6	22	3.9
Mission Creek	900	No Survey			10	2.1	15	3.1
Seven Mile	600	1/28/10	18	2.6	25	3.6	22	3.9
Step Mountain	2850	1/31/10	15	1.9	19	2.9	---	---
Tacoma Bluff	1450	No Survey			--	--	---	---
Thirty Mile	1350	1/28/10	18	2.6	24	3.6	30	6.2
Three Fingers	3350	1/31/10	15	1.9	--	--	---	---
Upper Nome Creek	2650	2/01/10	12	2.1*	14	3.1	---	---
Windy Gap	1900	No Survey			--	--	27	4.3
Wolf	1200	No Survey			--	--	23	3.6

\*estimate

## PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1<sup>st</sup>

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Atigun Pass**	4800	2/01/10	2.9	4.9	5.9	49
Chandalar Shelf**	3300	1/27/10	1.8	3.8	3.9	46
Eagle Summit**	3650	2/01/10	2.8	3.0	4.3	65
Fort Yukon	430	2/01/10	1.5	2.6	2.7	56
Mission Creek	900	No Report		3.9	4.0	
Upper Nome Creek	2650	2/01/10	2.2	3.4	5.2	42

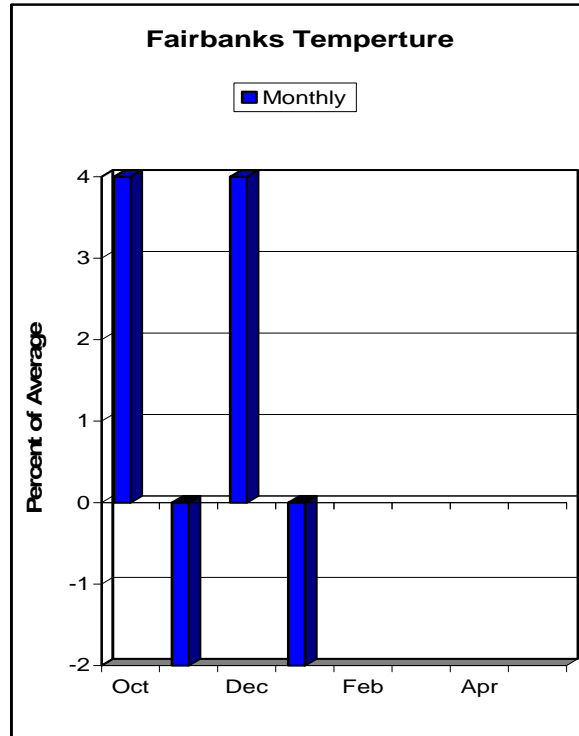
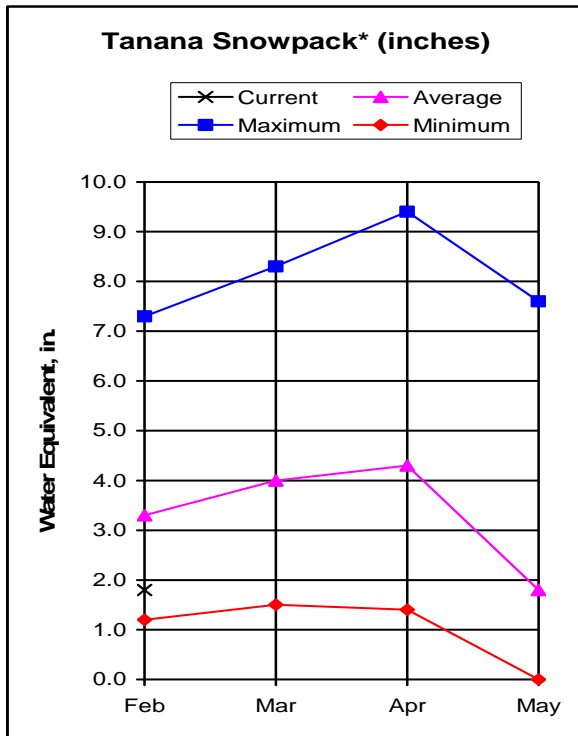
\*\*Wyoming shielded gauge

## WATERSHED SNOW

### PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Yukon Flats	3	71	68
White Mountains	2	64	43

## TANANA BASIN\*



### Current Basin Conditions

The Lake Minchumina snow course in the Lower Tanana Valley has a record low snow water content of 1.0 inch or 31 percent of normal. The previous low was 1.2 inches measured January 29<sup>th</sup>, 2003. The snow course record began in 1967.

The five Lower Tanana Valley snow courses have 37 percent of normal snow water content. The Chena Basin watershed snowpack analysis is 73 percent of last year and 54 percent of normal.

The 5 snow courses in the Upper Tanana Valley average 83 percent ranging from 90 percent of average at Chisana to 75 percent of average at Mentasta Pass.

The Delta Junction area 6 snow course's water contents are 59 percent of average ranging from 51 percent of average at Fielding Lake to 94 percent of average at Granite Creek SNOTEL site.

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

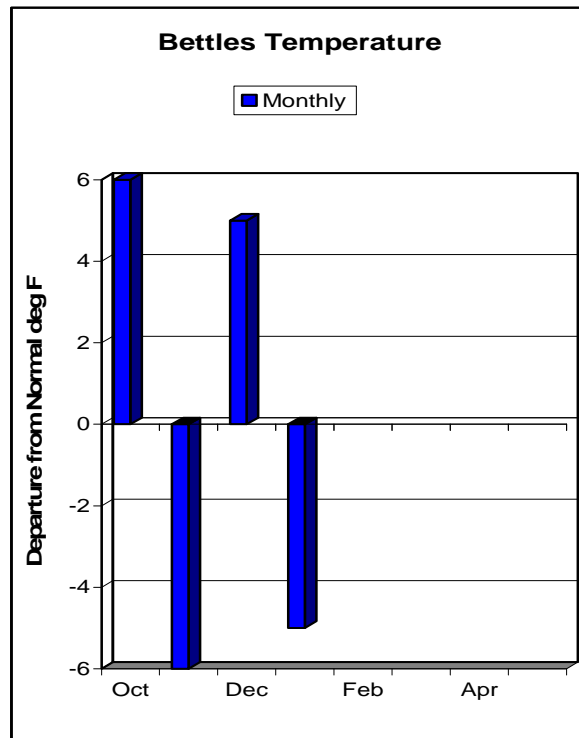
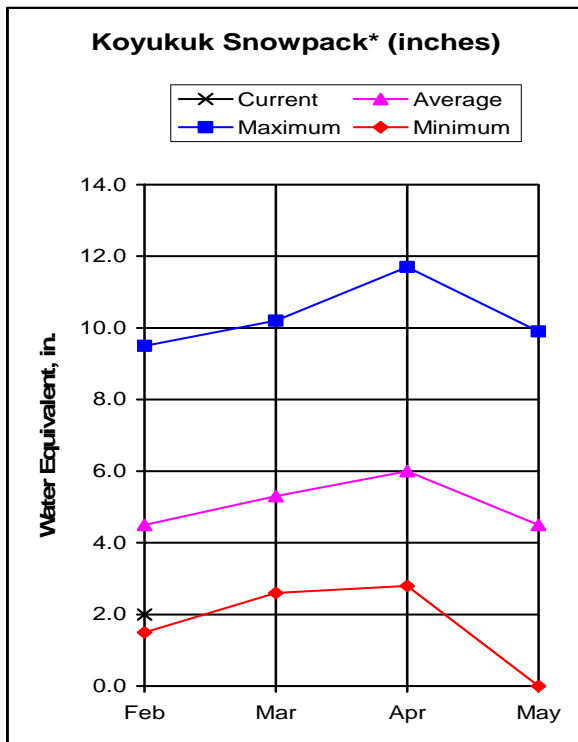


# Tanana Basin

## SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
					(inches)			
<b>December</b>								
Bonanza Creek	1150	12/02/09	7	0.9	13	2.0	13	2.1
Caribou Creek	1250	12/01/09	9	1.2	8	1.2	---	---
Caribou Snow Pillow	900	12/01/09	10	1.3	11	1.3	---	---
Cleary Summit	2230	11/30/09	14	2.2	14	2.5	---	---
Colorado Creek	700	12/01/09	9	0.9	13	1.6	---	---
Fairbanks FO	450	12/01/09	8	0.9	10	1.3	16	1.9
Faith Creek	1900	11/30/09	9	1.4	11	1.8	---	---
Fort Greely	1500	11/30/09	9	0.8	14	2.0	---	---
French Creek	1800	11/30/09	10	1.2	16	2.6	---	---
Gerstle River	1200	11/30/09	8	0.8	13	1.8	---	---
Granite Creek	1240	11/30/09	6	1.2	12	1.6	15	1.9
Jatahmund Lake	2180	11/30/09	9	1.1	12	1.4	16	2.3
Kantishna	1550	No Survey			14	1.8	---	---
Lost Creek	3030	No Survey			11	1.8	---	---
Paradise Hill	2200	11/30/09	8	1.1	12	1.7	---	---
Shaw Creek Flats	980	11/30/09	8	0.9	11	1.4	---	---
<b>January</b>								
Chisana	3320	12/31/09	11	2.0	15	2.3	15	2.4
Granite Creek	1240	12/31/09	9	2.0	14	2.2	16	2.8
Kantishna	1550	No Survey			14	2.6	---	---
Little Chena Ridge	2000	12/31/09	15*	1.8	14	1.8	18	2.4
Monument Creek	1850	12/31/09	10*	1.1	16	2.5	19	2.6
Mt. Ryan	2800	12/31/09	15*	1.8	18	2.8	22	4.5
Munson Ridge	3100	12/31/09	22*	3.6	25	4.2	31	6.0
Teuchet Creek	1640	12/31/09	9	1.8	14	1.7	17	2.3
Upper Chena	2850	12/30/09	18	2.4*	22	3.8	26	4.6
<b>February</b>								
Bonanza Creek	1150	1/29/10	11	1.7	21	3.9	21	4.1
Caribou Creek	1250	2/02/10	13	2.3	15	3.3	22	3.9
Caribou Snow Pillow	900	2/02/10	13	2.0	20	3.1	22	3.8
Chisana	3320	2/01/10	15	2.6	23	3.9	20	3.0
Edgar Creek	2400	No Report			--	--	25	5.3
Fielding Lake	3000	2/01/10	23	4.3	33	6.3	37	8.4
Fort Greely	1500	1/29/10	14	1.5	13	2.6	15	2.7
French Creek	1800	1/29/10	11	1.9	20	4.2	24	5.1
Gerstle River	1200	1/29/10	15	2.0	18	2.8	17	2.6
Gold King	1700	No Report			--	--	19	3.4
Granite Creek	1240	2/01/10	11	3.1	18	3.3	17	2.8
Jatahmund Lake	2180	1/28/10	12	1.8	18	2.7	16	2.3
Kantishna	1550	2/01/10	13	1.9*	19	3.9	26	4.5
Lake Minchumina	730	1/29/10	12	1.0	--	--	19	3.2
Little Chena Ridge	2000	2/01/10	15*	2.0	18	2.3	25	4.1
Lost Creek	3030	2/03/10	11	2.0	13	3.1	25	4.8
Mentasta Pass	2430	2/01/10	19	3.6	24	3.8	24	4.8
Monument Creek	1850	2/01/10	12*	1.4	18	2.5	22	3.5
Mt. Ryan	2800	2/01/10	18*	2.2	21	3.1	28	5.5
Munson Ridge	3100	2/01/10	23*	3.7	30	4.8	34	7.3
Paradise Hill	2200	1/28/10	12	1.9	18	3.0	15	2.7
Ptarmigan Airstrip	2400	No Report			--	--	15	2.6
Rock Creek Bottom	2250	2/01/10	13	1.6	--	--	20	3.7
Rock Creek Ridge	2600	2/01/10	12	1.4	--	--	24	4.3
Shaw Creek Flats	980	1/29/10	13	1.2	12	2.2	15	2.6
Teuchet Creek	1640	2/01/10	10	2.0	18	2.1	20	3.1
Tok Junction	1650	2/02/10	18	2.5	19	3.2	17	2.6
Upper Chena Pillow	2850	2/01/10	20	2.6*	25	4.8	30	5.7
Upper Wood River	2990	No Report			--	--	25	4.4

# WESTERN INTERIOR BASINS



## Current Basin Conditions

### Koyukuk

The Table Mountain snow course has a new record low water content of 0.8 inches or 24 percent of normal. The previous record low was 1.0 inches set January 31<sup>st</sup> 1990. The snow course record began in 1972.

The snow started late, October 19<sup>th</sup>, at Coldfoot and very little has fallen this winter with the SNOTEL site reporting 11 inches of snow depth and 2.3 inches of water content. The watershed snowpack analysis for this basin using 4 snow courses is 35 percent of last year and 37 percent of average.

### Kuskokwim

The northern portion of the Kuskokwim basin has very little snow as reflected by the Lake Minchumina and Purkeypile Mine snow courses. This area has less than 50 percent of normal snow water content. This condition extends south along the west side of the Alaska Range to Telaquana Lake. The new North Fork Kuskokwim snow course has the most snow measured with 24 inches and an estimated 4.0 inches of water content.

### Lower Yukon

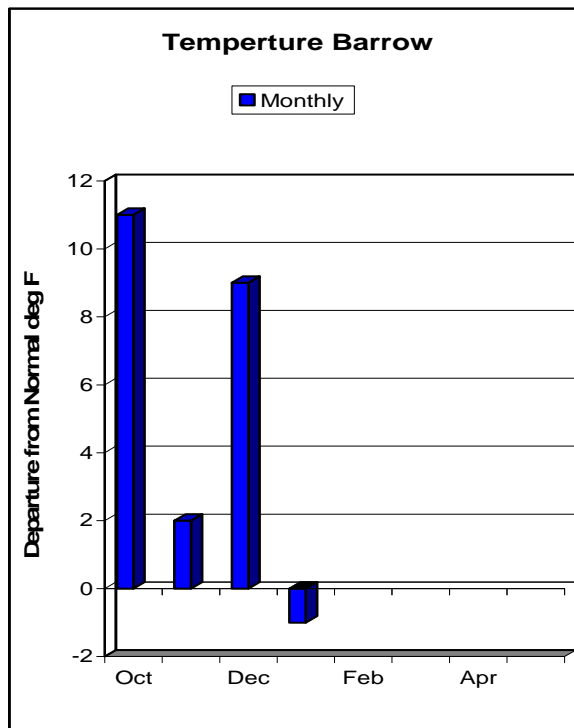
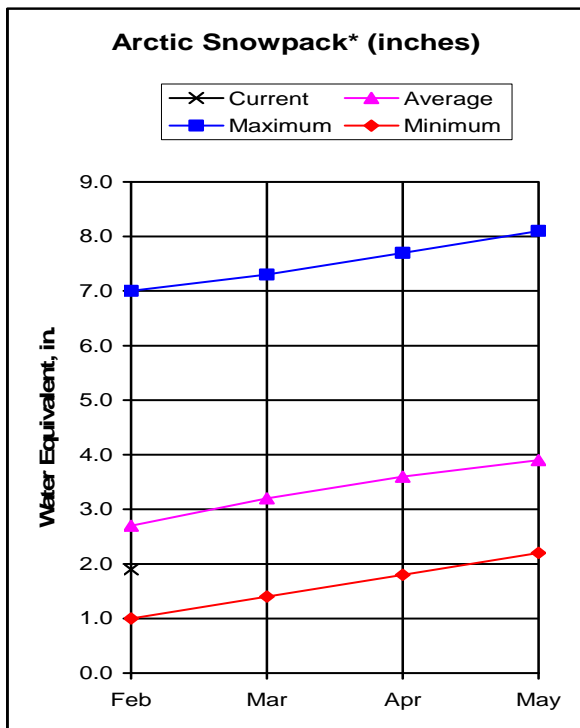
The snow courses below Galena were measured and are 69 percent of last years water content. The snow courses in the Innoko Wildlife Refuge appear to be in the 100 percent of normal range.

# Western Interior Basins

## SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
					(inches)			
<b><u>December</u></b>								
<b>Koyukuk</b>								
Bettles Field	640	12/02/09	11	1.5	18	2.1	20	3.1
Bonanza Forks	1200	11/30/09	7	0.5	18	2.5	---	---
Cloverleaf	170	12/02/09	16	2.0	17	2.0	---	---
Coldfoot	1040	11/30/09	8	0.6	18	3.7	27	5.1
Colville Bend	170	12/02/09	14	1.8	15	1.8	---	---
Disaster Creek	1550	12/01/09	6	0.5	14	1.8	---	---
Huggins Creek	290	12/06/09	8	0.9	15	1.8	---	---
Kaldoyeit	750	11/30/09	11	1.2	22	2.2	---	---
Kanuti Chalatna	670	11/30/09	8	0.9	22	2.6	---	---
Kanuti Kilolitna	550	11/30/09	4	0.5	18	2.2	---	---
Minnkokut	580	11/30/09	9	1.0	22	2.6	---	---
Nolitna	560	11/30/09	10	1.1	18	2.2	---	---
Table Mountain	2200	12/01/09	4	0.3	15	2.0	---	---
Treat Island	190	12/02/09	11	1.4	15	1.8	---	---
<b>Lower Yukon</b>								
Deer Creek	195	12/07/09	12	1.5	13	1.6	---	---
Little Mud River	855	12/07/09	9	1.0	18	2.1	---	---
Lower Nowitna	205	12/07/09	9	1.0	17	2.0	---	---
Nine Mile Island	140	11/30/09	9	1.0	15	1.8	---	---
Pike Trap Lake	130	11/30/09	7	0.8	12	1.4	---	---
Squirrel Creek	150	11/30/09	16	2.0	17	2.0	---	---
<b><u>January</u></b>								
<b>Kuskokwim</b>								
Telaquana Lake	1550	1/05/10	7	1.9	---	---	16	2.6
<b><u>February</u></b>								
<b>Koyukuk</b>								
Bettles Field	640	1/31/10	15*	2.8*	25	4.9	27	5.2
Bonanza Forks	1200	1/28/10	13	1.6	22	3.6	21	4.3
Cloverleaf	170	1/29/10	16	3.0	---	---	---	---
Coldfoot	1040	2/01/10	11	2.3	27	6.0	27	5.1
Colville Bend	170	1/29/10	17	3.0	---	---	---	---
Disaster Creek	1550	2/01/10	12	1.3	24	3.8	18	3.0
Huggins Creek	290	2/01/10	9	1.5	---	---	---	---
Table Mountain	2200	2/01/10	8	0.8	25	3.9	22	3.4
Treat Island	190	2/01/10	7	1.7	---	---	---	---
<b>Kuskokwim</b>								
Holitna River	257	2/01/10	20	3.5	33	8.0	---	---
Holokuk River	367	2/01/10	7	1.6	6	2.0	---	---
Johnny Slu	180	2/01/10	16	3.0	---	---	---	---
Kogruk	193	2/01/10	28	4.5	---	---	---	---
McGrath	340	2/01/10	11*	2.1*	25	6.3	26	4.2
Middle Kuskokwim	297	2/01/10	19	3.3	27	6.7	---	---
N. Fork Kuskokwim	512	2/01/10	24	4.0	23	5.8	---	---
Purkeymile Mine	2025	1/30/10	14	2.3	---	---	20	3.9
Telaquana Lake	1550	2/02/10	8	1.7	---	---	18	3.4
<b>Lower Yukon</b>								
Deer Creek	195	2/02/10	15	2.5	---	---	---	---
Gouch Creek	220	2/01/10	32	5.8	39	9.0	26	5.4
Holikachuk	100	2/01/10	33	6.0	41	9.5	30	6.3
Horsefly Creek	180	2/01/10	30	5.4	33	7.5	23	4.8
Little Mud River	855	2/02/10	8	1.9	---	---	---	---
Lower Nowitna River	205	2/02/10	18	3.0	---	---	---	---
Middle Innoko	150	2/01/10	30	5.4	31	7.0	29	6.1
Nine Mile Island	140	No Report	---	---	---	---	---	---
Pike Trap Lake	130	1/31/10	8	1.6	---	---	---	---
Squirrel Creek	150	2/02/10	18	3.5	---	---	---	---
Upper Innoko	180	2/01/10	24	4.2	35	8.0	30	6.8
Wapoo Hills	220	2/01/10	33	6.0	39	9.0	28	6.4
Yankee Slough	100	2/01/10	33	6.0	27	6.5	34	7.6

## ARCTIC AND KOTZEBUE SOUND\*



### Current Basin Conditions

#### Arctic

The Imnaviat Creek SNOTEL site has recorded 2.0 inches of precipitation this water year and is 69% of average, half of last years total. The Atigun Pass SNOTEL site has received 2.9 inches of precipitation since October 1<sup>st</sup> or 49 percent of average. It has 17 inches of snow on the ground, there was 27 inches last year.

Barrow received a good amount of snow in December, with 14 inches on the ground at the end of the month, but essentially no snow in January.

#### Kotzebue

The Red Dog mine has received 1.8 inches of precipitation since October 1<sup>st</sup>, 37% of normal.

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

# Arctic and Kotzebue Sound

## PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1<sup>ST</sup>

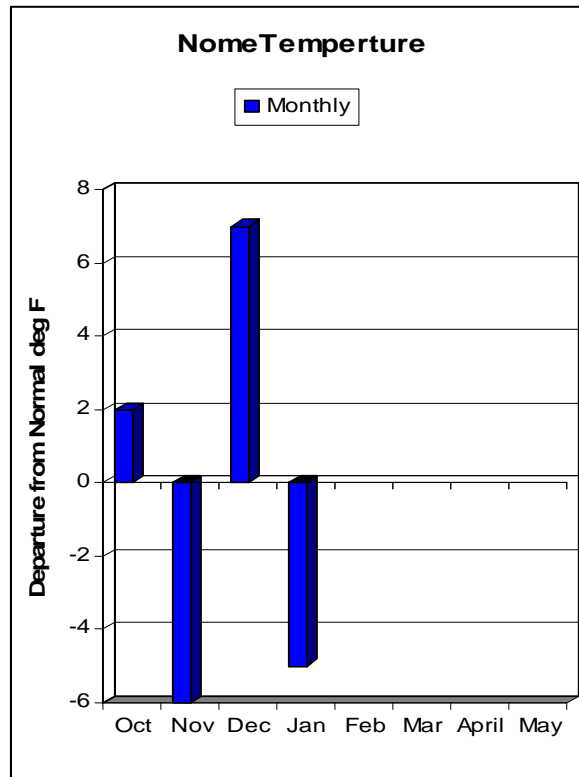
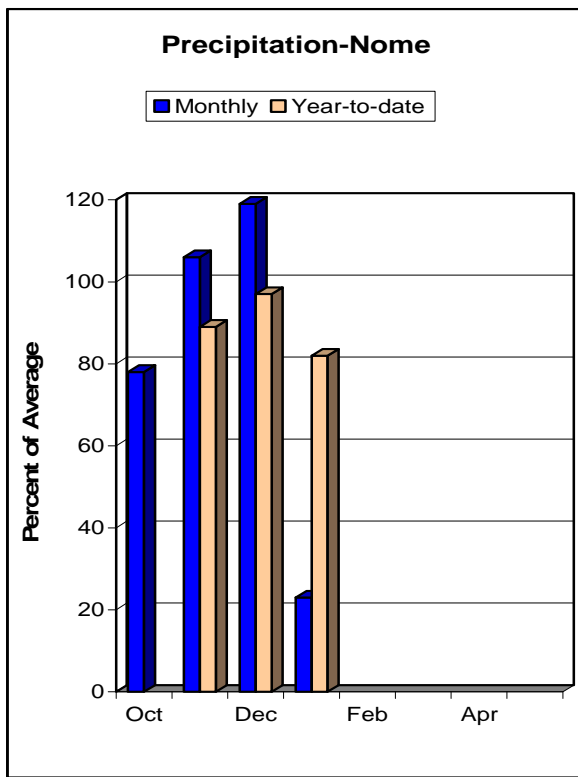
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
<b>Arctic</b>						
Atigun Camp	3400	1/27/10	1.3	2.6	3.9	33
Atigun Pass	4800	2/01/10	2.9	4.9	5.9	49
Barrow	25	No Report		1.5	2.2	---
Imnaviat Creek	3050	2/01/10	2.0	4.0	2.9	69
Prudhoe Bay	30	No Report		1.9	2.9	---
<b>Kotzebue Sound</b>						
Kivalina	50	1/31/10	1.2	2.2	---	---
Red Dog**	950	1/31/10	1.8	2.8	4.9	37

\*\* Wyoming Shielded Gauge

## WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Arctic Coast	No Report		
Dalton Highway	3	54	49

# NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY\*



## Current Basin Conditions

### Norton Sound

The Rocky Point SNOTEL site has 12 inches of snow on the ground and an estimated 2.1 inches of water content. The Johnson Camp SNOTEL site, in the “blow hole” at Solomon, 30 miles east of Nome, has 4 inches of snow on the ground as of February 1<sup>st</sup>.

### Southwest Delta

The Aniak SCAN site has 8 inches of snow depth, this is located at the Aniak farm, probably in the 70 percent of normal range. Bethel has received a good amount of precipitation since October 1<sup>st</sup> with the exception of the month of December.

### Bristol Bay

This area appears to have very little snow with a skiff reported at Brooks Camp and 5 inches measured at the Three Forks aerial marker.

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

# Norton Sound / Southwest Delta / Bristol Bay

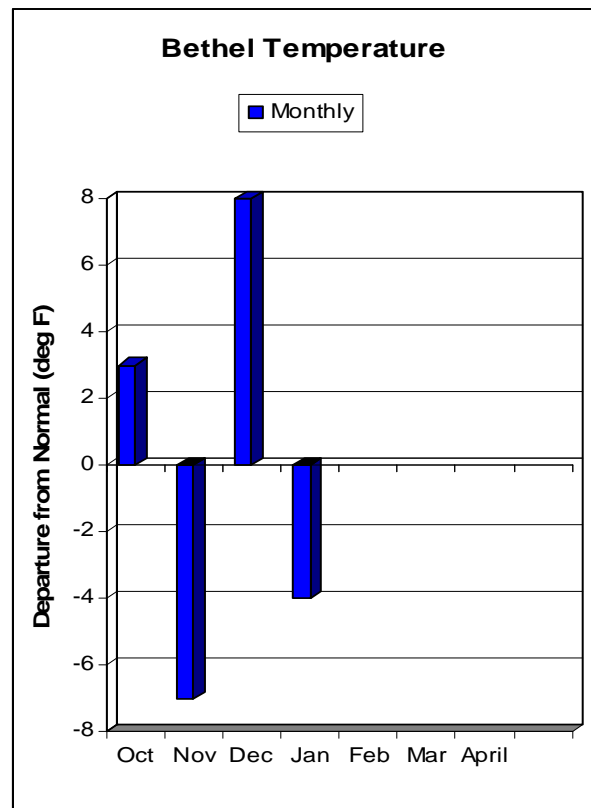
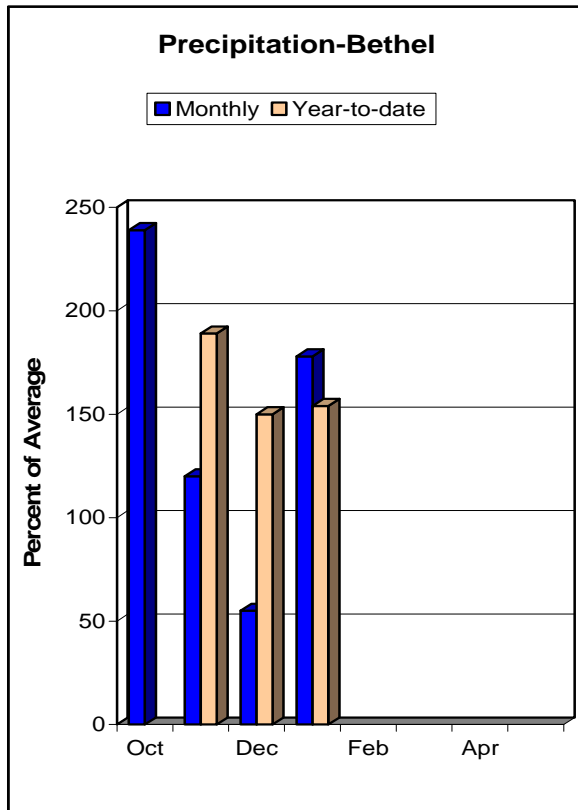
## SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
<b>December</b>								
<b>Bristol Bay</b>								
Port Alsworth	270	11/30/09	8	2.0	---	---	---	---
Upper Twin Lakes	2000	No Report	---	---	---	---	---	---
<b>February</b>								
<b>Norton Sound</b>								
Pargon Creek	100	2/01/10	8	1.9	11	2.0	---	---
Rocky Point	250	2/01/10	13	2.1	19	2.6	---	---
<b>Bristol Bay</b>								
Brooks Camp	150	1/27/10	0	0.0	---	---	---	---
Fishtrap Lake	1800	2/03/10	16	3.1	---	---	38	8.9
Port Alsworth	270	2/04/10	2	0.5	---	---	17	4.1
Three Forks	1300	1/27/10	5	1.5	---	---	---	---
Upper Twin Lakes	2000	2/03/10	12	2.6	---	---	25	6.1

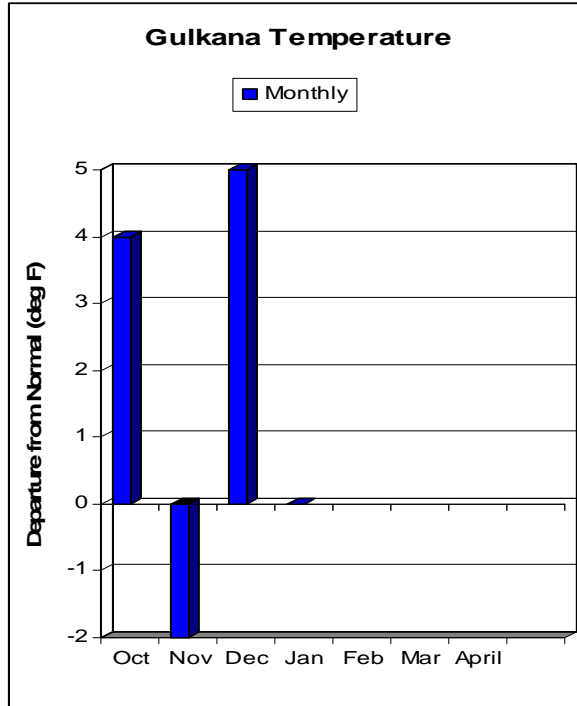
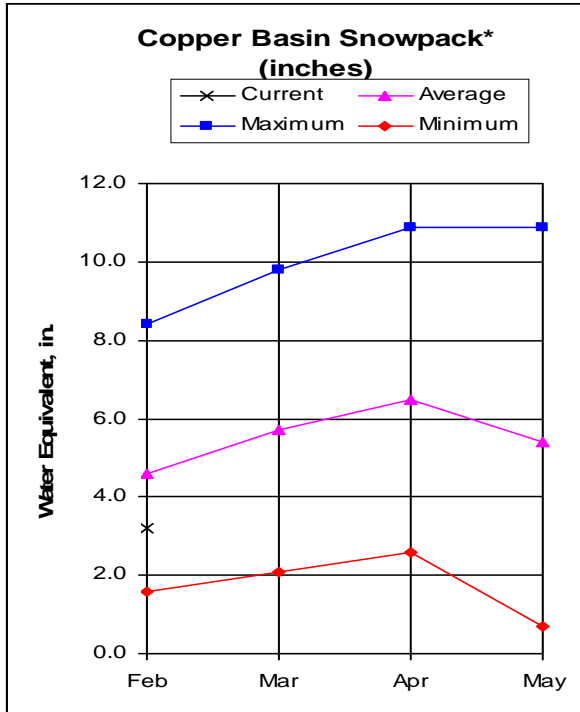
## PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1<sup>ST</sup>

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Pargon Creek	100	2/01/10	1.9	3.3	3.8	50
Rocky Point	500	2/01/10	3.2	2.9	4.2	76



# COPPER BASIN\*



## Current Basin Conditions

The snowpacks in the south and east side of the basin are near average or above with Worthington Glacier near Thompson Pass at 102 percent of normal. The Mt. Eyak SNOTEL site above Cordova has 56 inches of snow, basically the same as last year, with 3 inches more water content making it 137 percent of normal, the average water content may be low at this site with its short record. Kenny Lake snow course is right at average with 14 inches of snow depth and 2.6 inches of water content.

The Basin Floor and the Chugach Range snow course water contents are 76 percent and 80 percent of normal respectively, while the Alaska Range is 58 percent of normal with Fielding Lake at 51 percent of normal. To the west, the Talkeetna Mountains are 78 percent of normal water content.

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



# Copper Basin

## SNOWPACK DATA

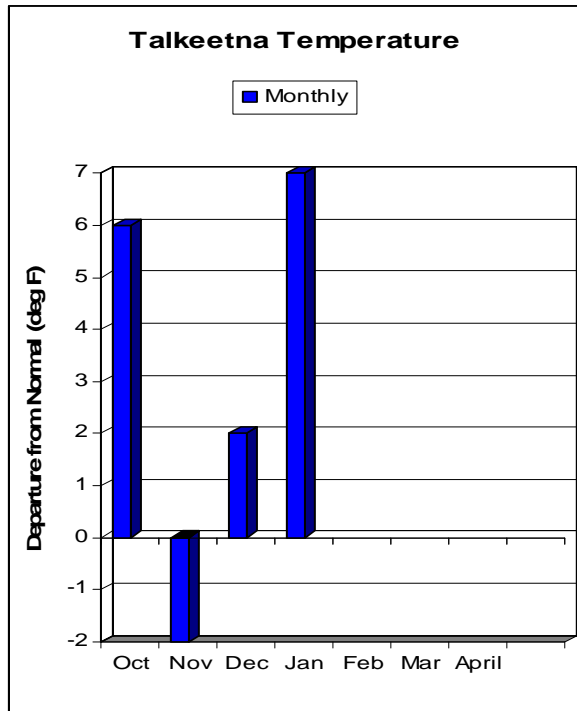
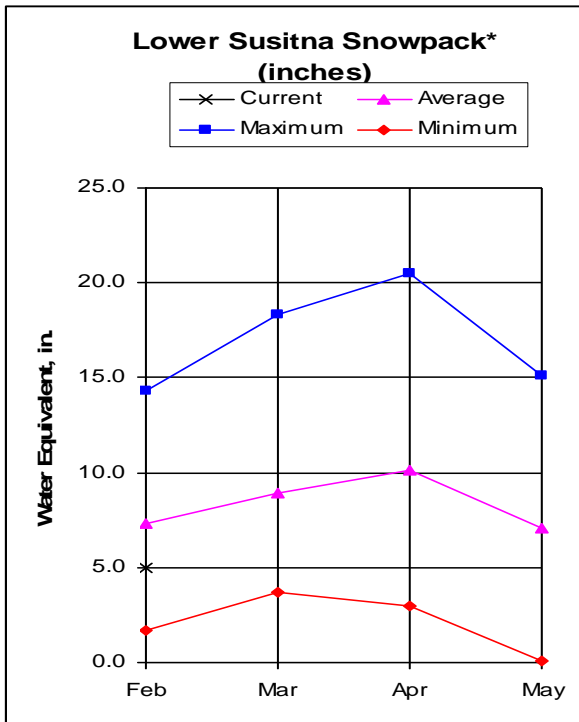
Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth (inches)	Water Content	Snow Depth	Water Content
<b>December</b>								
Chokosna	1550	No Survey			12	2.2	---	---
Kenny Lake School	1300	12/01/09	9	1.4	11	1.2	---	---
Lake Louise	2400	11/30/09	8	0.9	12	1.7	---	---
Little Nelchina	2650	11/30/09	7	1.2	12	1.6	---	---
Long Glacier	4820	No Survey			---	---	---	---
May Creek	1610	11/30/09	10	1.4	11	1.5	12	2.0
Mt. Eyak	1405	11/30/09	25	7.2	39	11.5	20	5.1
Notch	2643	No Survey			---	---	---	---
Tazlina	1225	12/01/09	8	1.0	9	1.0	---	---
Tebay Lake	1930	No Survey			---	---	---	---
Tolsona Creek	2000	12/01/09	8	0.6	13	1.6	---	---
Upper Tsaina River	1750	11/30/09	27	4.4	2.6	4.8	30	6.5
<b>January</b>								
May Creek	1610	12/31/09	16	2.1	18	2.5	18	3.0
Mt. Eyak	1405	12/31/09	37	14.5	47	15.3	40	10.3
Upper Tsaina River	1750	12/31/09	44	9.2	32	7.5	49	11.4
<b>February</b>								
Chistochina	2170	2/01/10	17	2.0	20	3.0	18	3.0
Chokosna	1550	2/03/10	18	3.1	---	---	20	2.6
Dadina Lake	2160	2/01/10	28	5.0	19	4.0	24	4.1
Fielding Lake	3000	2/01/10	23	4.3	33	6.3	37	8.4
Haggard Creek	2540	2/01/10	20	3.0	27	4.6	24	4.5
Horsepasture Pass	4300	2/01/10	18	3.5	20	3.7	24	4.6
Kenny Lake School	1300	2/01/10	14	2.6	12	2.7	14	2.6
Lake Louise	2400	1/29/10	16	2.0	24	4.3	20	3.3
Little Nelchina	2650	1/29/10	19	3.3	21	3.8	22	3.8
Long Glacier	4820	1/27/10	19	3.5	---	---	---	---
May Creek	1610	2/01/10	18	2.8	23	4.0	22	3.7
Mentasta Pass	2430	2/01/10	19	3.6	24	3.8	24	4.8
Monsoon Lake	3100	2/01/10	15	2.5	27	4.8	25	4.7
Mt. Eyak	1405	2/01/10	56	20.8	57	17.2	51	15.2
Notch	2643	No Survey			---	---	---	---
Paxson	2650	2/01/10	18	3.1	31	5.6	28	5.5
Sanford River	2280	2/01/10	22	3.9	22	4.4	24	4.2
St. Anne Lake	1990	2/01/10	17	3.0	17	3.2	21	4.0
Tazlina	1225	2/01/10	17	3.1	6	1.2	17	3.0
Tebay Lake	1930	1/27/10	43	8.6	---	---	---	---
Tolsona Creek	2000	2/01/10	14	2.1	20	3.5	19	3.2
Tsaina River	1650	2/02/10	39	9.6	40	10.8	50	12.5
Twin Lakes	2400	2/01/10	21	3.7	11	2.2	26	4.9
Upper Tsaina River	1750	2/01/10	48	9.7	42	11.3	59	15.3
Worthington Glacier	2100	2/01/10	54	17.0	61	17.1	62	16.6

## WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Alaska Range*	4	66	58
Basin Floor	6	76	76
Chugach Range	6	96	80
Talkeetna Mountains	3	68	78
Wrangell Mountains	3	93	100

\*At the foot of the Alaska Range.

# MATANUSKA - SUSITNA BASINS\*



## Current Basin Conditions

The Susitna Basin snow courses range from below normal to well below normal. The 11 snow courses in the Upper Susitna Basin are below normal at 77 percent. Snow water contents range from 44 percent of normal at the Monahan Flat snow course to 86 percent of normal at Fog Lakes.

For the Lower Susitna snow courses, the west side of the basin is below normal as indicated by Alexander Lake which measured 6.2 inches of snow water content, 72 percent of average. The east side of the basin along the Parks Highway is well below normal with the SNOTEL site at Susitna Valley High reporting 4.1 inches of water content, only 55 percent of average. On the south side of the Peters Hills, the Nugget Bench snow course is 51% of average with 5.6 inches of water content.

The Hatcher Pass snow courses vary from 59 percent of normal at the Little Susitna snow course to 50% of normal at the Independence Mine snow course.

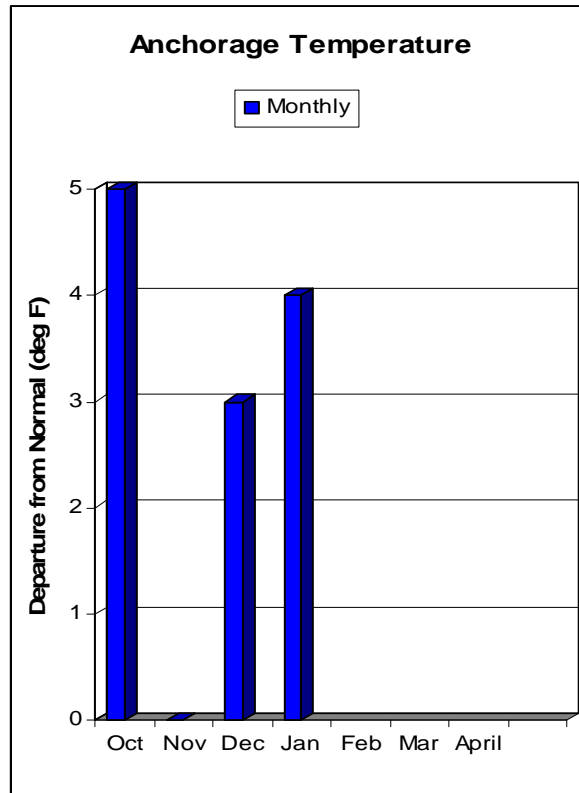
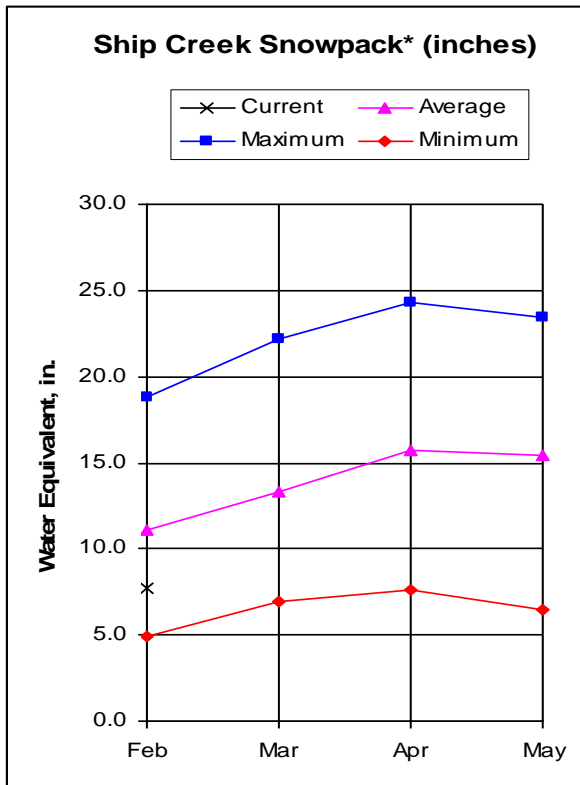
\* For more information contact the Natural Resources Conservation Service in Wasilla.

## Matanuska - Susitna Basins

### SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
					(inches)			
<b>December</b>								
Archangel Road	2200	11/30/09	17	2.5	25	4.7	---	---
Blueberry Hill	1200	12/03/09	30	4.3	30	5.7	---	---
Denali View	700	12/03/09	26	4.0	27	4.9	---	---
E. Fork Chulitna	1800	12/03/09	24	2.9	28	5.4	---	---
Fishhook Basin	3300	11/30/09	18	2.9	30	6.7	---	---
Independence Mine	3550	11/30/09	20	3.3	33	7.5	45	9.1
Lake Louise	2400	11/30/09	8	0.9	12	1.7	---	---
Little Susitna	1700	11/30/09	15	2.0	22	3.9	---	---
Moose Creek Ranch	450	11/30/09	9	1.5	9	1.3	---	---
Sheep Mountain	2900	11/30/09	7	1.0	8	1.2	---	---
Susitna Valley High	375	12/03/09	18	2.4	14	2.9	16	3.3
Talkeetna Airport	350	11/27/09	11	1.5	18	3.0	---	---
Tokositna Valley	850	11/30/09	21	3.2	35	5.3	26	5.4
Willow Airstrip	200	11/27/09	11	0.8	16	2.5	---	---
<b>January</b>								
Independence Mine	3550	12/31/09	20	5.2	38	9.8	50	12.5
Susitna Valley High	500	12/31/09	16	3.1	21	4.2	28	5.7
Tokositna Valley	850	12/31/09	28	4.9	38	6.1	41	9.6
<b>February</b>								
Alexander Lake	160	1/29/10	28	6.2	47	10.7	37	8.6
Archangel Road	2200	1/28/10	27	6.4	43	10.0	43	12.1
Bentalit Lodge	150	2/01/10	21	4.3	---	---	---	---
Blueberry Hill	1200	2/01/10	28	7.3	43	10.5	49	11.5
Chelatna Lake	1650	1/30/10	30	6.9	---	---	36	8.3
Clearwater Lake	2650	2/01/10	20	3.3	27	4.8	24	4.2
Curtis Lake	2850	2/01/10	20	3.2	23	4.2	---	---
Denali View	700	2/01/10	27	6.5	35	9.5	42	9.6
Dunkle Hills	2700	1/30/10	19	4.6	---	---	---	---
Dutch Hills	3100	1/30/10	40	10.8	---	---	69	19.6
E. Fork Chulitna	1800	2/01/10	24	5.8	46	9.7	45	10.5
Eldridge Glacier	3400	No Survey	---	---	---	---	---	---
Fishhook Basin	3300	1/28/10	30	7.7	58	12.6	51	15.4
Fog Lakes	2120	2/01/10	20	3.8	22	4.0	25	4.5
Halfway Slough	350	2/01/10	18	4.0	25	5.2	---	---
Independence Mine	3550	1/28/10	35	9.0	66	15.9	61	15.6
Lake Louise	2400	1/29/10	16	2.0	24	4.3	20	3.3
Little Susitna	1700	1/28/10	26	5.7	34	7.1	37	9.6
Monahan Flat	2710	2/01/10	18	2.7*	32	5.5	31	6.1
Moose Creek Ranch	450	1/29/10	10	2.0	7	1.7	---	---
Nugget Bench	2010	1/30/10	22	5.6	---	---	45	10.9
Ramsdyke Creek	2220	1/30/10	42	10.0	---	---	61	16.3
Sheep Mountain	2900	1/29/10	18	4.0	18	3.4	23	4.6
Skwentna	160	1/29/10	30	7.0	42	9.7	37	8.5
Square Lake	2950	2/01/10	13	2.1	25	4.0	19	3.2
Susitna Valley High	500	2/01/10	21	4.1	29	5.5	34	7.5
Talkeetna	350	2/01/10	19	4.0	26	5.5	28	6.2
Tokositna Valley	850	2/01/10	32	7.5*	37	8.6	55	13.6
Tyone River	2500	No Survey	---	---	25	4.4	21	3.4
Upper Oshetna River	3150	2/01/10	15	2.6	21	3.9	20	4.3
Upper Sanona Creek	3100	2/01/10	20	3.2	30	5.5	---	---
Willow Airstrip	200	2/01/10	15	3.0	24	4.9	26	5.7

## Northern Cook Inlet



### Current Basin Conditions

The Northern Cook Inlet region varies from 59 percent of normal at Point MacKenzie to 104 percent of normal at Moraine. The Moraine SNOTEL site, in the Eklutna watershed, has 20 inches of snow depth with 5.4 inches of water content. The Point MacKenzie SNOTEL site has 11 inches of snow depth with 2.0 inches of water content.

For the rest of the SNOTEL sites in the Anchorage area; Indian Pass is 67 percent of normal with 36 inches of snow and 11.2 inches of water content, Anchorage Hillside is 79 percent of average reporting 24 inches of snow with 5.7 inches of water content on February 1<sup>st</sup> and Mt. Alyeska has 45 inches of snow and 14.8 inches of water content, which is 63% of normal.

## Northern Cook Inlet

### SNOW PACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth (inches)	Water Content	Snow Depth	Water Content
<b>December</b>								
Anchorage Hillside	2080	12/02/09	21	3.1	26	3.7	20	2.9
Indian Pass	2350	11/30/09	32	5.8	4.2	9.3	33	7.6
Kincaid Park	250	12/01/09	8	1.8	12	1.7	---	---
Moraine	2100	11/30/09	13	2.3	21	3.3	12	2.1
Mt. Alyeska	1540	11/30/09	50	8.8	56	11.5	30	7.4
Point Mackenzie	200	11/30/09	6	0.6	10	1.2	10	1.3
Portage Valley	50	12/01/09	24	5.9	33	9.0	---	---
South Campbell Creek	1200	12/01/09	13	2.1	17	2.4	---	---
<b>January</b>								
Anchorage Hillside	2080	12/31/09	23	5.3	29	5.4	28	5.3
Indian Pass	2350	12/31/09	34	9.5	46	12.9	44	12.9
Moraine	2100	12/31/09	20	5.2	24	4.5	18	3.7
Mt. Alyeska	1540	12/31/09	39	13.1	56	15.4	51	15.4
Point Mackenzie	200	12/31/09	8	1.6	15	3.0	14	2.5
Portage Valley	50	12/29/09	20	7.2	36	9.9	31	8.4
<b>February</b>								
Anchorage Hillside	2080	2/01/10	24	5.7	29	6.9	30	7.2
Indian Pass	2350	2/01/10	36	11.2	62	16.7	57	16.8
Kincaid Park	250	2/02/10	14	3.1	11	3.0	17	3.4
Moraine	2100	2/01/10	20	5.4	19	5.7	24	5.2
Mt. Alyeska	1540	2/01/10	45	14.8	65	19.5	78	23.4
Point Mackenzie	200	2/01/10	11	2.0	18	4.3	16	3.4
Portage Valley	50	1/29/10	29	9.1	26	7.7	33	10.4
South Campbell Creek	1200	2/01/10	19	4.0	8	1.5	22	5.0
Estimate*								

### PRECIPITATION DATA

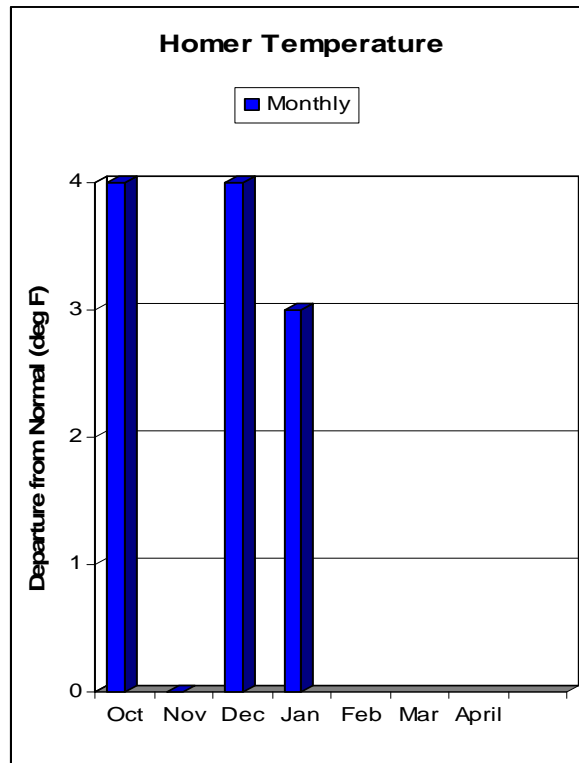
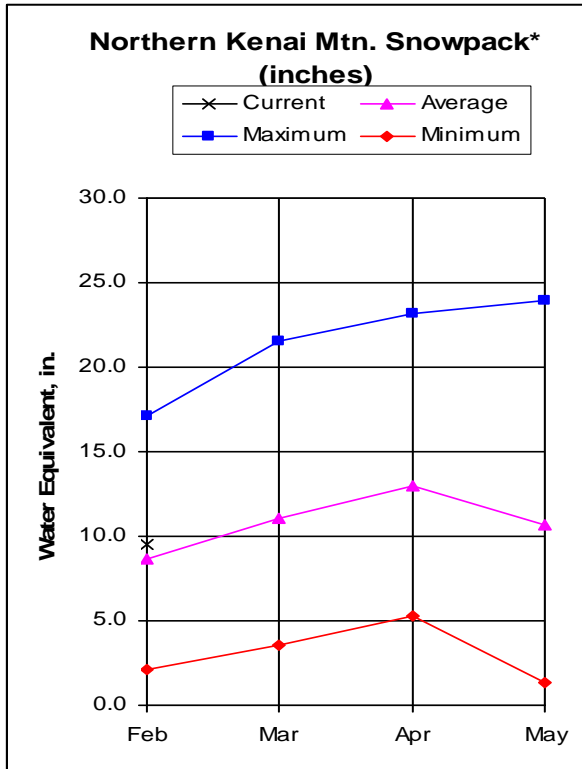
#### INCHES ACCUMULATED SINCE OCTOBER 1<sup>ST</sup>

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchorage Hillside	2080	2/01/10	8.9	11.9	9.8	91
Indian Pass	2350	2/01/10	14.5	19.4	18.1	80
Moraine	2100	2/01/10	6.7	8.8	7.2	93
Mt. Alyeska	1540	2/01/10	23.7	27.1	28.3	84
Point Mackenzie	200	2/01/10	4.5	7.4	6.5	70

### WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Campbell Creek	3	107	81
Ship Creek	3	74	76
Turnagain Arm	3	98	78

# KENAI PENINSULA\*



## Current Basin Conditions

The Northern Kenai Mountains snowpack range from 143% of normal water content at the Moose Pass snow course to 84% of normal at the Grouse Creek Divide SNOTEL site. The average water content for the 11 snow courses measured is 95% of normal.

Northeast of Homer, the Anchor River Divide SNOTEL site reported 29 inches of snow depth with 8.5 inches of water content, and is 100% of normal.

Across Kachemak Bay from Homer, Port Graham SNOTEL site has 21 inches of snow with 6.3 inches of snow water content, and is 152% of normal.

The Nuka Glacier SNOTEL site has 39 inches of snow depth with an estimated 11.7 inches of water content, which is only 48% of normal. The site has recorded 30.2 inches of accumulated precipitation since October 1<sup>st</sup>, which is only 75% of normal.

# Kenai Peninsula

## SNOWPACK DATA

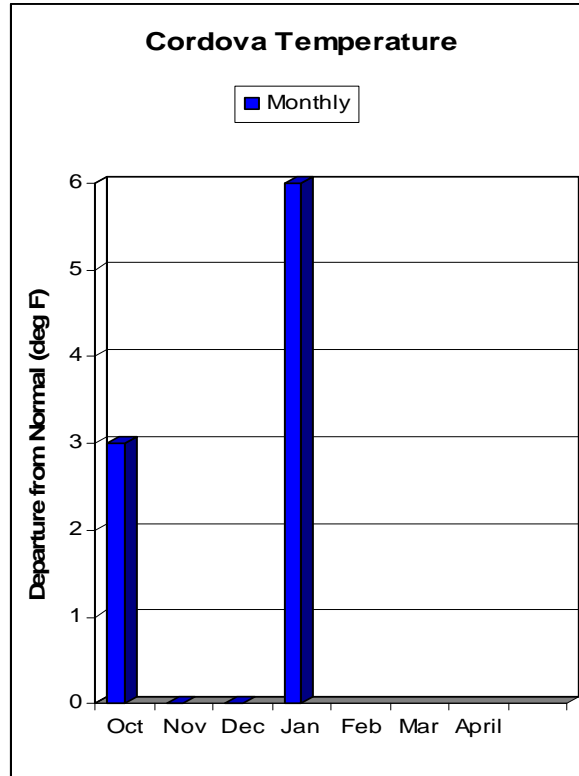
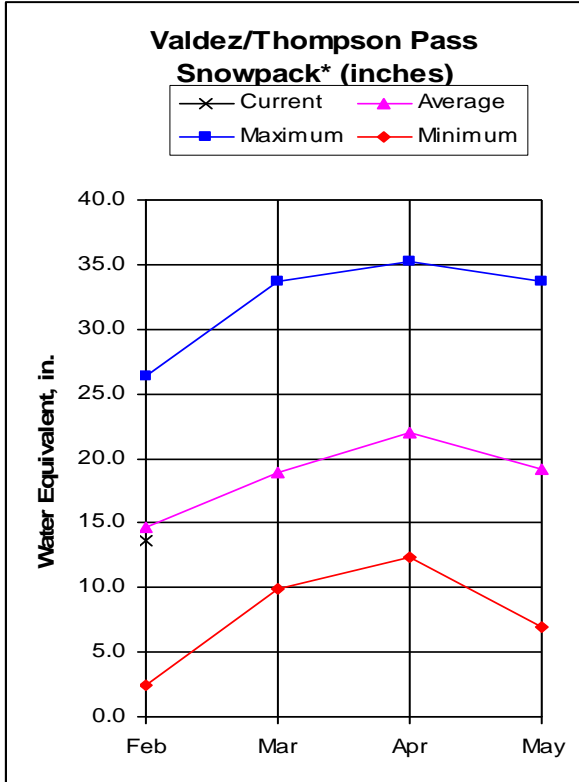
Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(inches)					
<b>December</b>								
Anchor River Divide	1650	11/30/09	28	4.4	11	2.5	16	3.0
Bertha Creek	950	12/04/09	36	7.8	22	4.2	---	---
Bridge Creek	1300	12/04/09	28	4.8	10	1.5	---	---
Cooper Lake	1200	11/30/09	40	5.9	24	4.6	22	4.1
Demonstration Forest	780	12/04/09	20	3.9	12	1.9	---	---
Grandview	1100	11/30/09	61	10.3	38	9.1	25	4.7
Grouse Creek Divide	700	11/30/09	28	8.0	22	5.6	12	2.2
Jean Lake	620	12/01/09	13	1.9	10	1.2	---	---
Kachemak Creek	1660	12/03/09	39	9.5	24	5.2	---	---
Kenai Summit	1390	12/04/09	39	7.7	19	3.3	---	---
McNeil Canyon	1320	11/30/09	28	3.7	14	2.5	12	2.3
Moose Pass	700	12/04/09	23	5.2	15	2.9	---	---
Nuka Glacier	1250	12/03/09	35	9.5	22	5.5	---	---
Port Graham	300	11/30/09	19	4.3	13	2.4	---	---
Snug Harbor Road	500	12/01/09	12	3.0	18	2.0	---	---
Summit Creek	1400	11/30/09	29	4.0	16	2.6	15	3.0
Turnagain Pass	1880	11/30/09	72	12.4	48	9.9	34	7.9
<b>January</b>								
Anchor River Divide	1650	12/31/09	28	7.9	19	3.7	26	5.6
Bertha Creek	950	12/29/09	34	9.3	30	7.3	33	8.6
Cooper Lake	1200	12/31/09	30	8.2	24	5.7	33	8.7
Grandview	1100	12/31/09	46	13.9	48	12.4	54	13.5
Grouse Creek Divide	700	12/31/09	25	9.5	26	8.0	32	8.3
Kenai Moose Pens	300	12/31/09	8	1.2	14	2.3	12	2.4
McNeil Canyon	1320	12/31/09	23	7.3	19	4.3	24	5.3
Port Graham	300	12/31/09	18	6.4	16	4.1	17	4.2
Summit Creek	1400	12/31/09	29	7.3	20	3.9	24	5.9
Turnagain Pass	1880	12/31/09	59	18.0	51	14.9	60	16.2
<b>February</b>								
Anchor River Divide	1650	2/01/10	29	8.5	21	5.4	37	8.5
Bertha Creek	950	1/28/10	44	12.6	26	8.9	43	11.6
Cooper Lake	1200	2/01/10	34	8.7	20	7.2	45	12.1
Grandview	1100	2/01/10	57	16.7	50	14.6	64	17.8
Grouse Creek Divide	700	2/01/10	31	11.3	27	9.0	45	13.4
Jean Lake	620	1/27/10	15	2.9	2	.3	15	3.1
Kachemak Creek	1660	2/01/10	35	10.7*	21	6.3	---	---
Kenai Moose Pens	300	2/01/10	9	1.3	14	3.2	15	3.3
Kenai Summit	1390	1/28/10	36	9.2	25	7.5	39	9.9
McNeil Canyon	1320	2/01/10	23	7.7	20	5.3	31	7.1
Moose Pass	700	1/28/10	20	6.6	9	2.9	18	4.6
Nuka Glacier	1250	2/01/10	39	11.7*	30	9.0	61	24.2
Port Graham	300	2/01/10	21	6.3	14	3.1	18	4.9
Snug Harbor Road	500	1/27/10	16	4.2	10	3.2	17	3.6
Summit Creek	1400	2/01/10	30	7.7	23	5.5	33	8.1
Turnagain Pass	1880	2/01/10	64	20.6	65	17.9	81	23.2

## PRECIPITATION DATA

### INCHES ACCUMULATED SINCE OCTOBER 1<sup>ST</sup>

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Anchor River Divide	1650	2/01/10	11.3	10.4	13.4	83
Cooper Lake	1200	2/01/10	16.9	21.0	17.9	94
Grandview	1100	2/01/10	24.8	22.3	27.1	92
Grouse Creek Divide	700	2/01/10	24.5	25.4	25.8	95
Kachemak Creek	1660	2/01/10	27.4	21.7	29.0	94
Kenai Moose Pens	300	2/01/10	4.3	6.6	6.3	68
McNeil Canyon	1320	2/01/10	9.0	9.2	11.3	80
Middle Fork Bradley	2300	2/01/10	20.5	20.7	26.0	79
Nuka Glacier**	1250	2/01/10	30.2	22.6	40.3	75
Port Graham	300	2/01/10	31.8	25.8	29.7	107
Summit Creek	1400	2/01/10	11.6	11.5	12.5	92
Turnagain Pass	1880	2/01/10	25.0	21.8	28.9	86

## Western Gulf\*



### Current Basin Conditions

The SNOTEL site at Mt. Eyak is above average, reporting 56 inches of snow depth and 20.8 inches of snow water content.

Sugarloaf Mountain SNOTEL site, perched above the Solomon Gulch Hydroelectric and the town of Valdez at 550 ft elevation, reported 59 inches of snow depth and an estimated 16.9 inches of water content, 92% of normal. The precipitation gauge has caught 25.2 inches since October 1<sup>st</sup>, which is 84% of normal.

The Esther Island precipitation gauge has caught 48.2 inches of precipitation since October 1<sup>st</sup>, which is 80% of average and 15 inches less than last year at this time.

Strawberry Reef SNOTEL site, located east of Cordova, is 72% of average and has caught 25.5 inches of water since October 1<sup>st</sup>.



## Western Gulf

### SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth (inches)	Water Content	Snow Depth	Water Content
<b>December</b>								
Exit Glacier	400	11/30/09	24	5.1	23	4.4	---	---
Grouse Creek Divide	700	11/30/09	28	8.0	22	5.6	12	2.2
Mt. Eyak	1405	11/30/09	26	7.2	39	11.5	20	5.1
Nuka Glacier	1250	12/03/09	27	7.6	22	5.5	---	---
Upper Tsaina River	1750	11/30/09	27	4.4	26	4.8	30	6.5
<b>January</b>								
Exit Glacier	400	12/30/09	24	8.1	26	5.5	36	8.6
Grouse Creek Divide	700	12/31/09	25	9.5	26	8.0	32	8.3
Mt. Eyak	1405	12/31/09	37	14.5	48	15.3	38	10.3
Sugarloaf Mountain	550	1/06/10	57	12.4	---	---	49	12.2
Upper Tsaina River	1750	12/31/09	44	9.2	32	7.5	55	11.4
<b>February</b>								
Exit Glacier	400	1/29/10	34	10.2	35	8.1	48	11.7
Grouse Creek Divide	700	2/01/10	31	11.3	27	9.0	45	13.4
Lowe River	425	2/02/10	40	10.7	45	11.7	46	11.8
Mt. Eyak	1405	2/01/10	56	20.8	57	17.2	51	15.2
Nuka Glacier	1250	2/01/10	39	11.7	30	9.0	61	24.2
Sugarloaf Mountain	550	2/01/10	59	16.9	60	16.6	65	18.2
Tsaina River	1650	2/02/10	40	9.6	40	11.2	50	12.5
Upper Tsaina River	1750	2/01/10	48	9.7	42	11.3	60	15.3
Valdez	50	2/02/10	40	9.8	58	12.8	45	11.9
Worthington Glacier	2100	2/02/10	54	17.0	61	18.4	62	16.6

### PRECIPITATION DATA

#### INCHES ACCUMULATED SINCE OCTOBER 1<sup>ST</sup>

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Esther Island	50	2/01/10	48.2	63.2	59.9	80
Grouse Creek Divide	700	2/01/10	24.5	25.4	25.8	95
Mt. Eyak	1405	2/01/10	41.6	47.0	50.1	83
Nuka Glacier**	1250	2/01/10	30.2	22.6	40.3	75
Port San Juan	50	2/01/10	50.6	47.2	55.3	91
Seal Island	20	2/01/10	25.9	29.3	30.0	86
Strawberry Reef	50	2/01/10	25.5	34.2	35.4	72
Sugarloaf Mountain	550	2/01/10	25.2	33.4	30.1	84
Tatitlek	50	2/01/10	25.9	33.6	28.5	91
Upper Tsaina River	1750	2/01/10	10.7	21.7	19.9	54

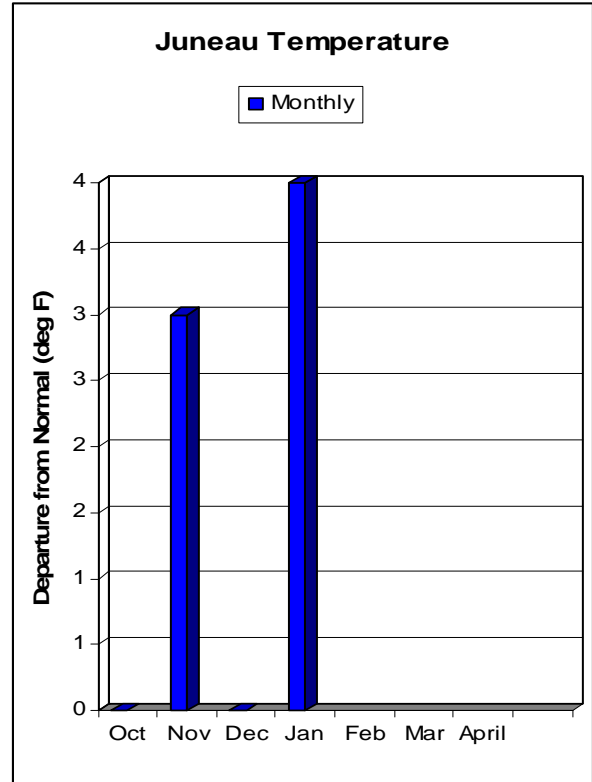
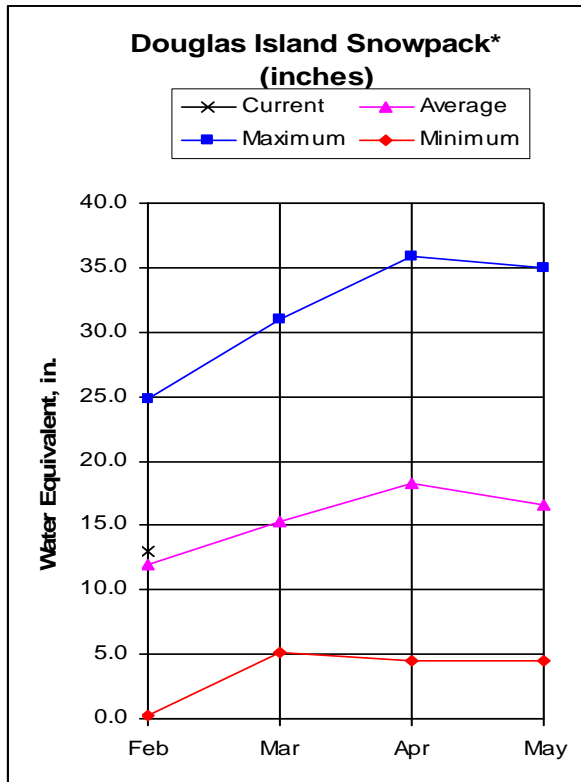
\*\*Wyoming shielded gauge

\*Copper Valley Electric Association

### WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Low River (Valdez)	4	96	90

## SOUTHEAST\*



### Current Basin Conditions

Southeast Alaska is having a near normal snow pack year after three big snow years in a row (2007, 2008, 2009).

The Long Lake SNOTEL site is reporting 84 inches of snow and 25.2 inches of water content, which is 105% of normal.

The two Petersburg snow courses are 94% of normal water content.

The three Douglas Island snow courses are 110% of normal water content.

There are two new snow courses in Wrangell, Institute Creek has 21 inches of snow with 7.3 inches of water content and Rainbow Falls at 500 feet elevation has no snow.

The snow water contents measured at the snow courses in the Swan Lake Hydro-electric project near Ketchikan were in the normal range the 5<sup>th</sup> of January.

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

## Southeast

### SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Snow Depth (inches)	Water Content	Snow Depth	Water Content
<b>December</b>								
Cropley Lake	1650	11/30/09	43	10.6	31	10.0	---	---
Eagle Crest	1200	11/30/09	26	8.3	0	0.0	---	---
Fish Creek	500	11/30/09	9	2.4	0	0.0	---	---
Institute Creek	1350	12/01/09	26	7.4	New	---	---	---
Long Lake	850	11/30/09	36	9.5	24	8.8	36	9.1
Moore Creek Bridge	2250	11/27/09	26	4.8	30	8.0	---	---
Petersburg Reservoir	550	12/02/09	18	3.3	0	0.0	---	---
Petersburg Ridge	1650	12/01/09	50	11.0	18	5.2	---	---
Rainbow Falls	500	12/01/09	2	0.3	New	---	---	---
West Creek	470	12/02/09	15	3.6	---	---	---	---
<b>January</b>								
Lake Grace Pass	1900	No Survey	---	---	89	23.0	63	20.6
Long Lake	850	12/31/09	54	16.0	68	16.9	54	16.3
Lost Lake	425	1/05/10	33	9.1*	39	10.8	21	4.5
Mint Creek Ridge	1900	1/05/10	63	19.6*	---	---	58	18.0
Petersburg Reservoir	550	12/31/09	22	6.6	19	3.0	13	3.3
Petersburg Ridge	1650	12/30/09	50	14.1	50	8.6	40	11.3
Upper Swan Lake	1700	1/05/10	40	11.5*	87	18.7	34	8.8
Upper Silvas	2300	No Survey	---	---	---	---	---	---
West Creek	470	01/01/10	20	5.8	---	---	---	---
<b>February</b>								
Cropley Lake	1650	1/29/10	56	22.4	76	23.6	58	18.4
Eagle Crest	1200	1/29/10	38	13.7	51	15.2	41	12.2
Fish Creek	500	1/29/10	6	3.0	17	4.7	20	5.0
Institute Creek	1350	1/31/10	21	7.3	New	---	---	---
Long Lake	850	2/01/10	84	25.2	87	29.9	75	23.9
Moore Creek Bridge	2250	2/01/10	59	20.0	76	15.7	62	16.9
Petersburg Reservoir	550	2/01/10	8	2.6	38	11.3	17	4.5
Petersburg Ridge	1650	2/01/10	48	17.6	81	23.6	57	16.9
Rainbow Falls	500	1/31/10	0	0.0	New	---	---	---
West Creek	470	No Report	---	---	29	8.5	---	---
Estimate *								

### PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1<sup>ST</sup>

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Long Lake	850	2/01/10	61.3	79.9	77.5	83
Moore Creek Bridge	2250	2/01/10	18.9	19.9	20.5	92
Snettisham	25	1/31/10	62.7	100.6	81.6	77
Swan Lake	50	No Report	---	82.8	65.1	---

### WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Douglas Island	3	90	110
Long Lake	1	85	105
Petersburg	2	58	94

For further information contact:

NRCS Alaska web site: [www.ak.nrcs.usda.gov/snow/](http://www.ak.nrcs.usda.gov/snow/)

Alaska Meteor Burst Communication System (AMBCS) web site: [www.ambcs.org](http://www.ambcs.org)

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510 L Street, Suite 270  
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Catherine Hadley, District Conservationist  
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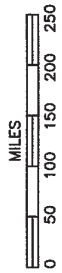
Homer Field Office  
Mark Kinney, District Conservationist  
Telephone (907) 235-8177 x 103  
Facsimile: (907) 235-2364  
email: Mark.Kinney@ak.usda.gov

Mat-Su Field Office  
District Conservationist, Keith Griswold  
Telephone (907) 373-6492 x 101  
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email: Keith.Griswold@ak.usda.gov



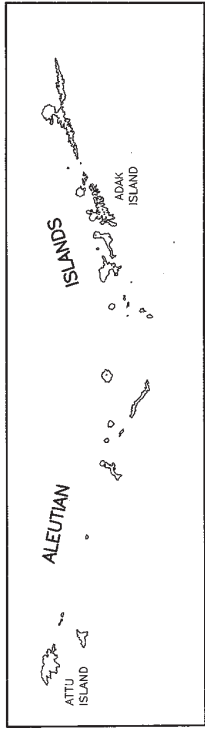
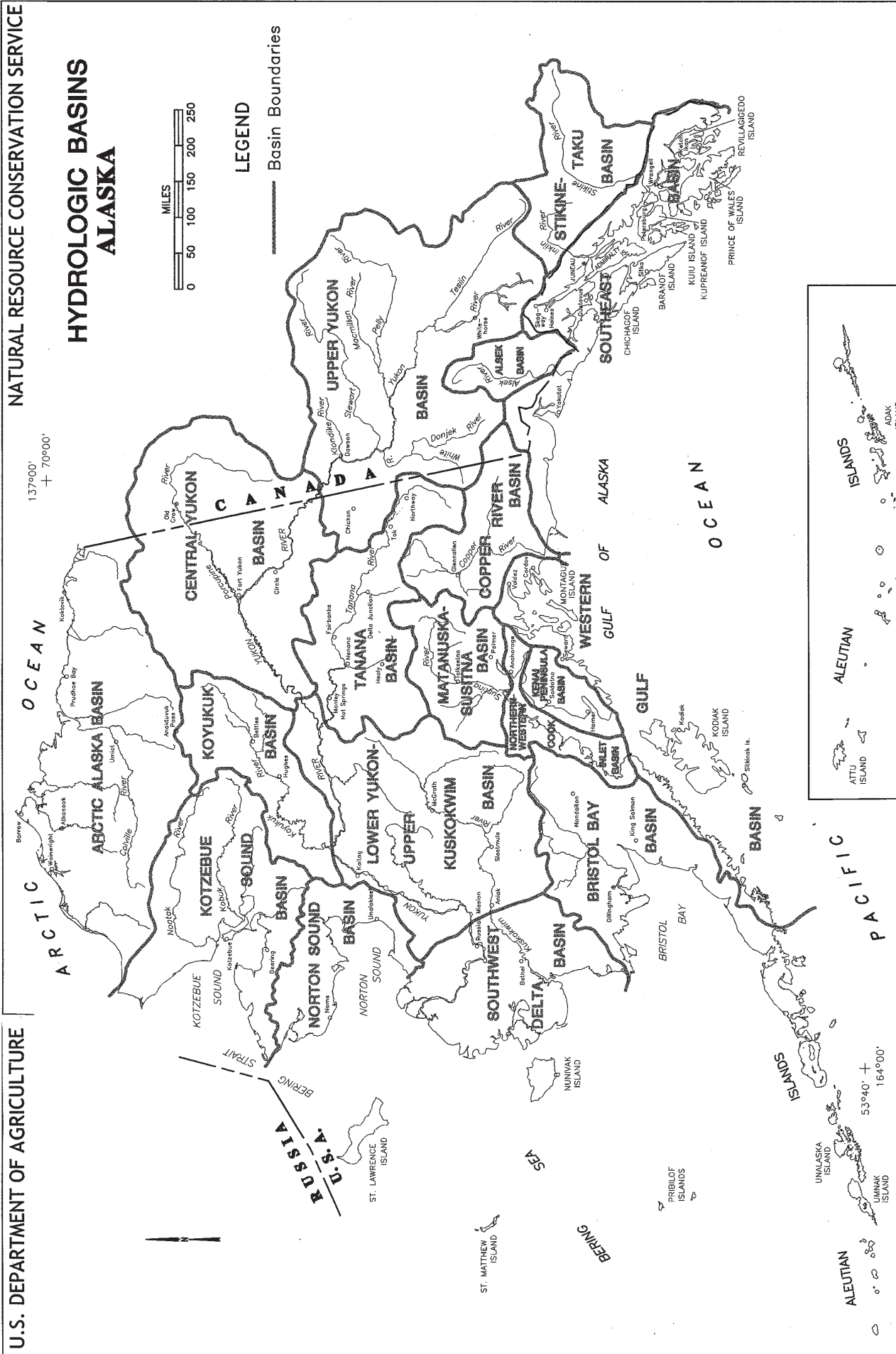


# HYDROLOGIC BASINS ALASKA

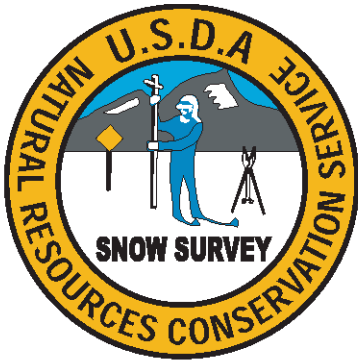


LEGEND

Basin Boundaries



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.



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**Alaska  
Snow Survey Report**  
Natural Resources Conservation Service  
Anchorage, AK

