

Alaska Snow Survey Report



February 1, 2014

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February 1, 2014

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Cover Photo:

Overflow on Alexander Lake kept snow surveyors landing and directly measuring the Alexander Lake Snow Course this month. From Bristol Bay to the Interior, dramatically warm January temperatures coupled with rain caused many lakes to overflow and snowpacks either to melt or significantly settle.

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GENERAL OVERVIEW

Snowpack

The seasonal snow pack started early in the Arctic and late in much of Alaska. Atigun Pass had permanent snow August 20th and Imnaviat Creek by September 30th, Coldfoot by September 25th. However, warmer than normal temperatures in October and November delayed the beginning of the seasonal snowpack in most of Alaska into late October to mid-November. Anchorage Hillside's snowpack began November 10th; Mt Ryan's October 29th; Turnagain Pass's, November 10th; Anchor River Divide, November 21st.

Snowpacks generally increased throughout December into the first week of January. Then the big warm up happened. A massive warm front bringing moisture in the form of rain hit most of Alaska. Many low elevation coastal snowpacks from Southeast to Norton Sound disappeared. Many sites haven't been snow free in February since the early 1980's. Higher elevation snowpacks and snowpacks in the Interior gained water content, but lost depth. Both the Paxson and Tok Junction snow courses set new February record high water contents but had experienced several deeper snowpacks.

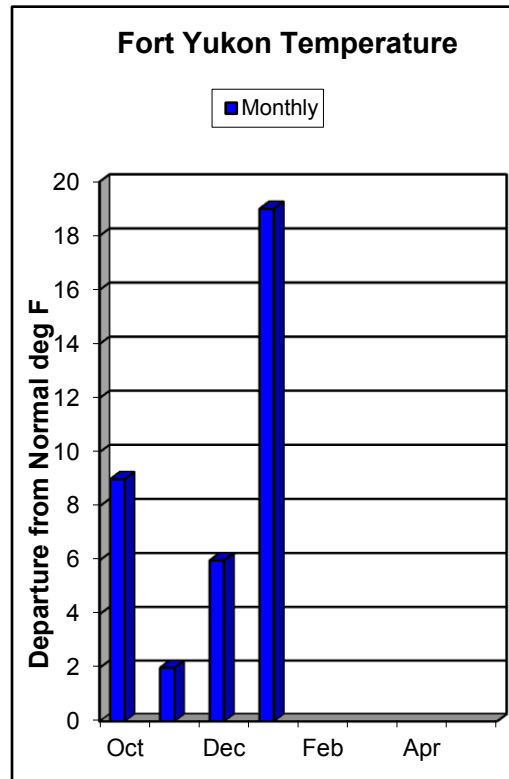
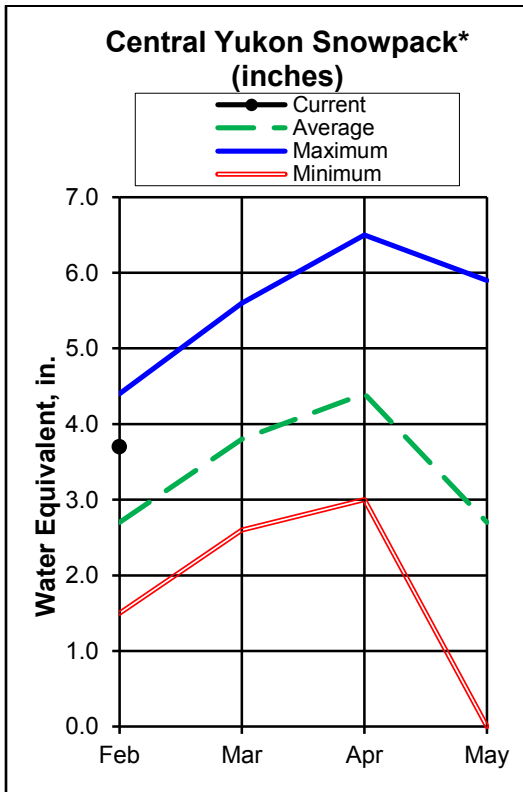
Precipitation

The water year started out wet. During October, all regions of Alaska received much above normal precipitation, except for the Arctic and Upper Tanana Basins which were below normal. Through November, most areas continued to receive normal or above normal precipitation. The upper Tanana and Arctic rebounded. Southeast Alaska was the only region to experience below normal precipitation, though it remained near normal for the year. During December the pattern shifted. Most of the state continued to get normal or above normal precipitation, except for South Central. North Cook Inlet and the entire Kenai Peninsula dropped to below normal precipitation. January saw significant precipitation though out the state with only the lower Tanana and Koyukuk basins receiving slightly less than normal precipitation. Every region in the state has above normal precipitation for the water year.

Temperature

Warm. Every region of the state experienced above normal temperatures during October and November. October saw the greatest departures from normal, while November was a little more modulated. Bettles, Fairbanks and Barrow all were more than 10°F above normal during October. December brought a cool down. Only Talkeetna, Bethel, Nome and Barrow retained above normal temperatures. Anchorage and Juneau both were below normal by 4°F and 1°F, respectively. Then January hit. Most of Alaska experienced significant above normal temperatures. Most areas were more than 10°F above normal and many were near 20°F above normal. Bethel was 19°F above normal while Gulkana was 23°F above normal! Only Barrow experienced a smaller temperature departure in January than December (10°F and then 7°F above normal).

CENTRAL YUKON BASIN*



Current Basin Conditions

The Central Yukon Basin snow pack is above normal across most of the basin with the White Mountain area being above normal.

The four measured snow courses on the north side of the White Mountains average 144% of normal. These range from 137% at Wolf Snow Course to 155% of Normal at Borealis Snow Course. The Upper Nome SNOTEL, in the headwaters of Beaver Creek, has 25 inches of snow and has caught 7.2 inches of precipitation since October 1st, or 2.32% of normal.

The American Creek SNOTEL site, just outside Eagle, AK, has 14 inches of snow with 2.8 inches of water content. The Fort Yukon SNOTEL site has 18 inches of snow and its precipitation gauge has captured 3.4 inches of precipitation since October 1st, 148% of normal. The Eagle Summit SNOTEL site, however, has only caught 3.2 inches or 94% of normal.

Central Yukon Basin

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)		(inches)			
December								
AMERICAN CREEK	1050	12/1/2014	8	0.9	7	0.7	---	---
ATIGUN PASS	4800	12/1/2014	33	---	32	---	---	---
EAGLE SUMMIT	3650	12/1/2014	5	---	7	---	---	---
FORT YUKON	430	12/1/2014	10	---	3	---	---	---
HESS CREEK	1000	12/3/2014	12	2.2	---	---	---	---
SEVEN MILE	600	12/2/2014	13	2.2	---	---	---	---
THIRTY MILE	1350	12/2/2014	22	4.7	---	---	---	---
February								
AMERICAN CREEK	1050	2/1/2014	14	2.8	18	2.5	---	---
ATIGUN PASS	4800	2/1/2014	36	---	32	---	---	---
BOREALIS	1330	1/29/2014	24	4.8	18	3.0	19	3.1
CATHEDRAL CREEK	1800	1/31/2014	30	6.2	---	---	---	---
COAL CREEK	1000	1/31/2014	20	4.1	---	---	---	---
COPPER CREEK	2000	1/31/2014	19	3.8	---	---	---	---
CRESCENT CREEK	2600	1/31/2014	14	2.7	---	---	---	---
EAGLE SUMMIT	3650	2/1/2014	10	---	6	---	---	---
FORT YUKON SNOTEL	430	2/1/2014	18	3.4*	12	1.7*	---	---
FOSSIL	1400	1/29/2014	24	5.1	16	2.6	18	3.5
GRAPHITE LAKE	600	2/3/2014	29	5.7	3	0.6	---	---
HESS CREEK	1000	1/30/2014	21	3.8	18	3.2	21	3.6
LOWER BEAVER CREEK	400	2/3/2014	30	6.0	21	3.6	---	---
MISSION CREEK	900	No Survey	---	---	---	---	16	3.1
SEVEN MILE	600	1/30/2014	25	4.2	20	3.0	22	3.8
STEP MOUNTAIN	2850	1/31/2014	23	4.5	---	---	---	---
THIRTY MILE	1350	1/30/2014	30	5.6	18	3.0	30	5.8
UPPER NOME CREEK	2520	2/1/2014	25	5.3*	20	3.2*	---	---
VUNZIK LAKE	500	2/3/2014	21	4.1	17	2.8	---	---
WINDY GAP	1900	1/30/2014	24	5.1	19	3.5	19	3.7
WOLF	1200	1/30/2014	21	4.1	19	3.1	18	3.0

*Estimate

PRECIPITATION DATA

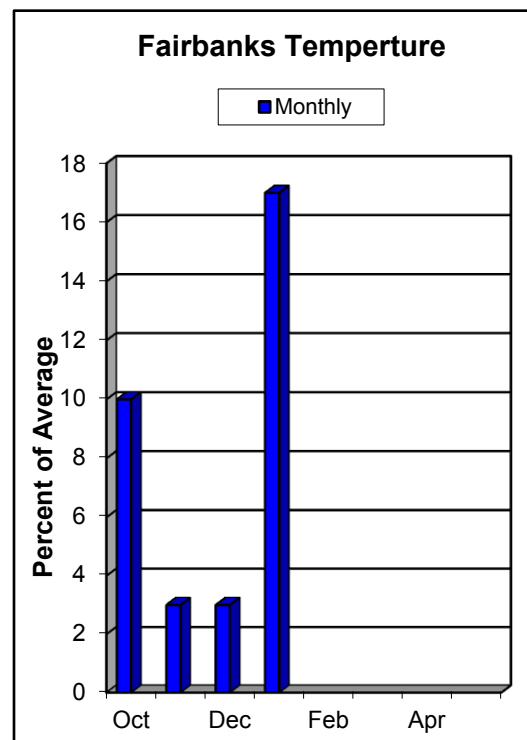
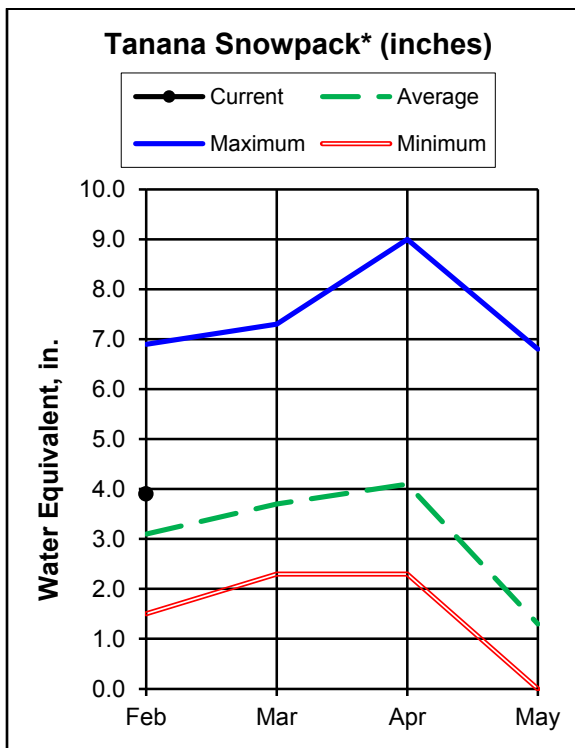
INCHES ACCUMULATED SINCE OCTOBER 1st

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1981-2010 Normal	% of Normal
AMERICAN CREEK	1050'	2/1/2014	4.1	2.8	---	---
ATIGUN PASS	4800'	2/1/2014	4.1	2.7	3.87	106%
CHANDALAR CAMP	3300'	2/1/2014	3.2	2.5	3.1	103%
EAGLE SUMMIT	3650'	2/1/2014	4.6	3.6	3.93	117%
FORT YUKON	430'	2/1/2014	4.2	2.3	2.57	163%
UPPER NOME CREEK	2520'	2/1/2014	8.2	4	3.7	222%

WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Normal
Yukon Flats	2	108
White Mountains	4	144

TANANA BASIN*



Current Basin Conditions

The upper Tanana Valley had five snow courses measured and averaged 142% of normal. The courses varied from 87% of normal at Paradise Hill snow course to 188% of normal at Tok Junction snow course. The Tok Junction measurement of 4.9" of SWE creates a new February record for the 64 year old snow course.

This above normal snowpack continues down valley. The six Delta area snow courses average 135% of normal, ranging from 93% at Granite Creek to 135% at Shaw Creek Flats.

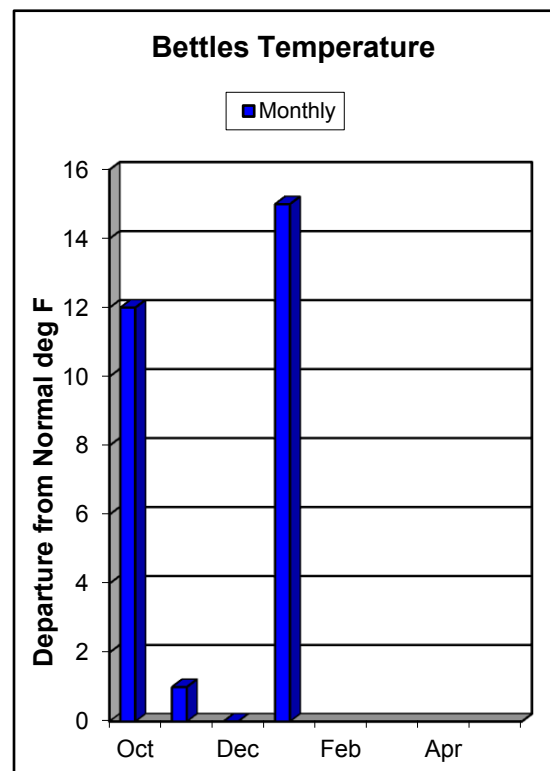
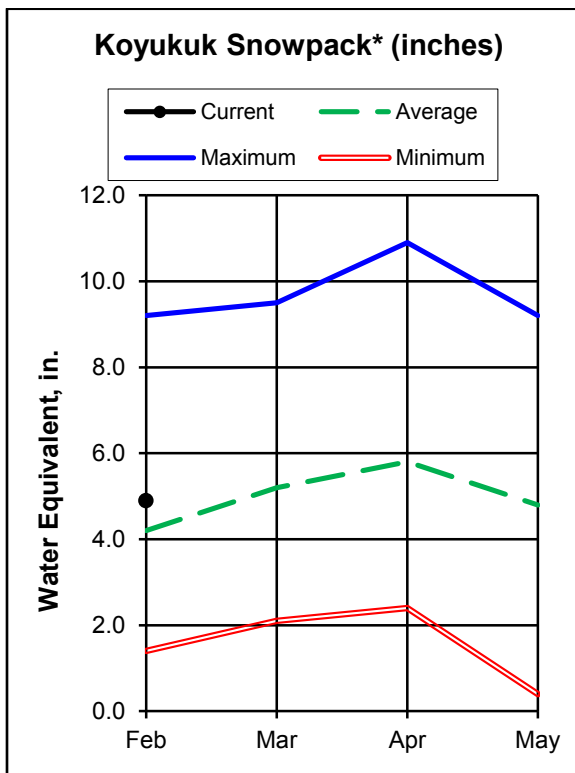
The lower Tanana Valley maintains an above normal snowpack with a much above normal snowpack on the north side of the valley. On the south side of the valley the Kantishna SNOTEL site has 18 inches of snow with an estimated 3.8 inches of water content or 119% of normal, while on the north side of the valley the Chatanika and Chena Basin averaged 175% and 139%, respectively.

Tanana Basin

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)	(inches)				
December								
BONANZA CREEK	1150	12/2/2014	16	2.6	11	1.2	---	---
CARIBOU CREEK	1250	12/3/2014	16	3.0	6	0.7	12	1.6
CARIBOU SNOW PILLOW	900	12/3/2014	16	3.4	5	0.7	12	1.6
CHISANA	3320	12/1/2014	8	1.1	7	1.1	---	1.9
FORT GREELY	1500	12/2/2014	11	1.6	10	1.3	10	1.3
FRENCH CREEK	1800	12/2/2014	17	3.0	10	1.3	16	2.6
GERSTLE RIVER	1200	12/2/2014	12	1.6	10	1.1	11	1.6
JATAHMUND LAKE	2180	11/27/2014	8	1.0	11	1.1	10	1.3
KANTISHNA	1550	11/30/2014	12	2.3	9	1.0	---	---
LAKE MINCHUMINA	730	11/30/2014	7	1.0	6	0.5	10	---
MONUMENT CREEK	1850	12/1/2014	17	3.1	4	0.8	---	1.8
MT. RYAN	2800	12/1/2014	18	3.5	7	1.3	---	2.0
PARADISE HILL	2200	11/26/2014	5	0.7	11	1.1	10	1.3
ROCK CREEK BOTTOM	2250	No Survey	---	---	8	0.5	12	1.4
ROCK CREEK RIDGE	2600	No Survey	---	---	9	0.6	12	1.5
SHAW CREEK FLATS	980	12/2/2014	12	1.6	8	0.8	10	1.2
January								
CHISANA	3320	1/1/2014	12	2.2	10	1.8	---	2.2
MONUMENT CREEK	1850	1/1/2014	22	4.0	11	2.3	---	2.5
MT. RYAN	2800	1/1/2014	22	4.5	14	2.7	---	2.7
TEUCHET CREEK	1640	1/1/2014	15	3.3	11	1.7	---	2.1
February								
BONANZA CREEK	1150	1/30/2014	17	4.0	23	4.0	18	3.4
CARIBOU CREEK	1250	1/31/2014	20	5.1	18	3.2	16	2.7
CARIBOU SNOW PILLOW	900	1/31/2014	21	4.7	17	2.5	17	2.9
CHISANA	3320	2/1/2014	13	3.4	14	2.4	---	3.4
EDGAR CREEK	2400	2/4/2014	18	3.4			22	4.0
FIELDING LAKE	3000	1/29/2014	41	11.2	41	8.9	32	6.6
FORT GREELY	1500	1/30/2014	15	2.8	13	2.2	14	2.4
FRENCH CREEK	1800	1/30/2014	17	4.0	26	3.8	19	3.9
GERSTLE RIVER	1200	1/30/2014	15	2.8	14	2.2	16	2.4
GOLD KING	1700	2/4/2014	12	2.1	---	---	18	2.8
JATAHMUND LAKE	2180	No Survey	---	---	17	2.8	14	2.1
KANTISHNA	1550	1/31/2014	18	3.8	22	3.5	20	3.2
LAKE MINCHUMINA	730	No Survey	---	---	18	3.2	15	2.1
LOST CREEK	3030	1/31/2014	16	1.4	16	2.4	---	---
MENTASTA PASS	2430	1/29/2014	28	7.2	29	5.2	22	4.0
MONUMENT CREEK	1850	2/1/2014	17	4.7	18	3.7	---	3.1
MT. RYAN	2800	2/1/2014	23	5.1	20	3.7	---	3.6
MUNSON RIDGE	3100	2/1/2014	35	8.3	29	6.2	---	5.0
PARADISE HILL	2200	1/30/2014	12	2.1	20	3.4	15	2.4
PTARMIGAN AIRSTRIP	2400	2/4/2014	21	4.0	---	---	17	2.7
ROCK CREEK BOTTOM	2250	No Survey	---	---	---	---	14	2.9
ROCK CREEK RIDGE	2600	No Survey	---	---	---	---	14	2.8
SHAW CREEK FLATS	980	1/30/2014	14	2.2	19	2.5	13	2.0
TEUCHET CREEK	1640	2/1/2014	15	3.9	20	2.9	---	2.8
TOK JUNCTION	1650	1/29/2014	23	4.9	22	3.3	17	2.6
UPPER WOOD RIVER	2990	2/4/2014	21	4.2	---	---	18	3.4

WESTERN INTERIOR BASINS



Current Basin Conditions

Koyukuk

Last year the Koyukuk Basin was the driest region of the state. This year it is estimated to be 148% of normal with more than twice as much snow as last year. Bettles Field SNOTEL site has 28 inches of snow with 4.9 inches of water content.

Kuskokwim

The Kuskokwim Basin has received normal precipitation, but with above normal temperatures, which has resulted in below normal snowpacks. Both Lake Telaquana and the Aniak SCAN site had around 10 inches of snow until warm January temperatures decimated the snowpack, leaving bare ground at both sites. Nineteen days in January reached above freezing temperatures with January 26 reaching 52°F. Last year there was 21 inches of snow at Aniak on February 1st.

Higher up in the basin, snow depths were similar to last year, and appear to be slightly below normal.

Lower Yukon

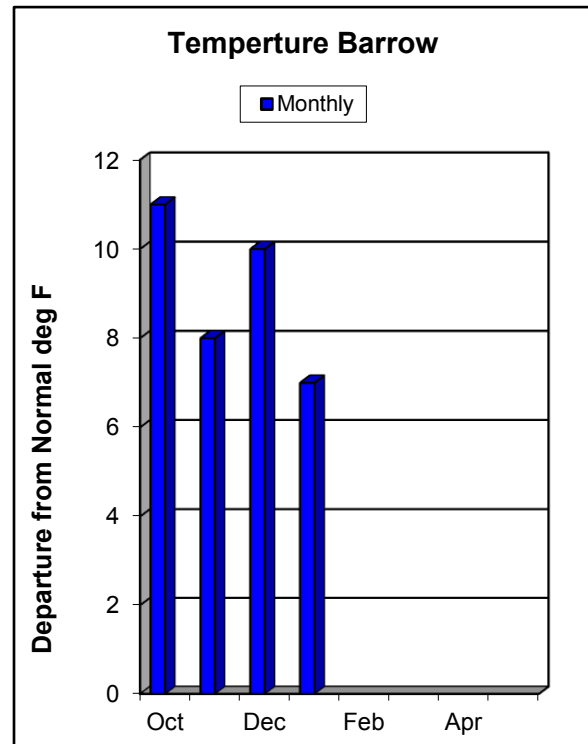
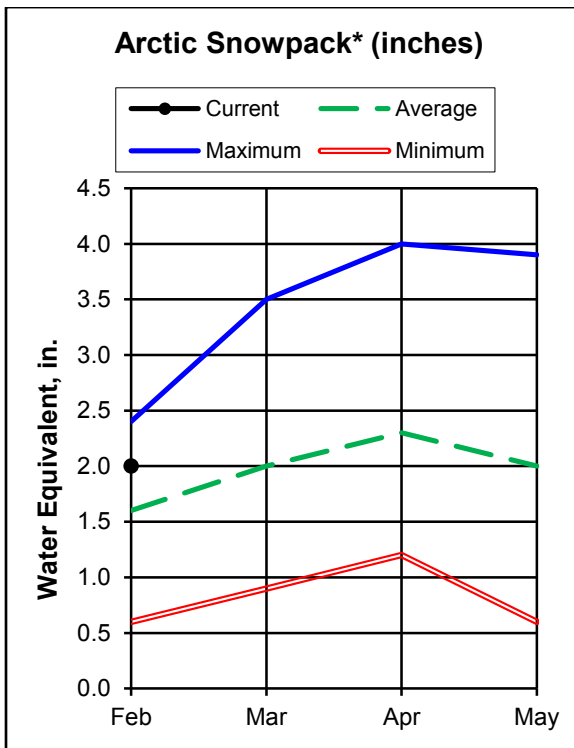
The Aerial Markers in the Nowitna National Wildlife Refuge measured similar depths as compared to last year. However, due to the warmer temperatures displayed throughout this winter, it is expected that the snowpacks are denser this year.

Western Interior Basins

SNOWPACK DATA

			THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
Snow Course	Elev.	Date	Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)					(inches)		
December								
Koyukuk								
BETTLES FIELD	640	12/1/2014	19	3.0	0	0.0	---	1.9
BONANZA FORKS	1200	12/2/2014	18	3.2	---	---	---	---
CLOVERLEAF	170	11/29/2014	13	1.8	3	0.3	---	---
COLDFOOT	1040	12/1/2014	21	4.4	0	0.0	---	2.1
COLVILLE BEND	170	11/29/2014	18	2.9	2	0.2	---	---
DISASTER CREEK	1550	12/3/2014	15	2.6	---	---	---	---
JR SLOUGH	160	11/29/2014	10	1.4	2	0.2	---	---
TABLE MOUNTAIN	2200	12/3/2014	17	3.6	---	---	---	---
TREAT ISLAND	190	11/28/2014	19	3.1	0	0.0	---	---
TABLE MOUNTAIN	2200	12/3/2014	17	3.6	---	---	---	---
TREAT ISLAND	190	11/28/2014	19	3.1	0	0.0	---	---
Lower Yukon								
DEER CREEK	195	12/1/2014	18	2.9	7	0.8	---	---
LITTLE MUD RIVER	855	12/1/2014	7	0.9	7	0.8	---	---
LOWER NOWITNA RIVER	205	12/1/2014	9	1.2	5	0.5	---	---
NINEMILE ISLAND	140	11/30/2014	13	1.8	5	0.5	---	---
PIKE TRAP LAKE	130	11/30/2014	3	0.4	3	0.3	---	---
SQUIRREL CREEK	150	11/30/2014	9	1.2	10	1.2	---	---
January								
Kuskokwim								
MIDDLE KUSKOWIM	297	12/31/2014	13	2.1	16	2.4	---	---
N. FORK KUSKOKWIM	512	12/31/2014	30	3.5	15	2.4	---	---
NIXON FORK KUSKOKWIM	508	12/31/2014	28	5.5	19	2.9	---	---
TELAQUANA LAKE	1550	1/1/2014	9	1.0	13	2.6	---	---
February								
Koyukuk								
BETTLES FIELD	640	2/1/2014	28	4.9	14	2.3	---	4.3
BONANZA FORKS	1200	1/30/2014	25	4.7	14	1.8	21	3.8
CLOVERLEAF	170	1/30/2014	23	4.3	8	1.1	---	---
COLDFOOT	1040	2/1/2014	29	6.9	11	1.8	---	4.2
COLVILLE BEND	170	1/30/2014	26	4.6	20	3.2	---	---
DISASTER CREEK	1550	1/31/2014	22	3.7	12	1.4	17	2.5
GOBBLERS KNOB	2030	2/1/2014	14	---	1	---	---	---
HUGGINS CREEK	290	1/30/2014	32	7.2	18	2.8	---	---
JR SLOUGH	160	1/30/2014	28	4.8	27	4.6	---	---
KALDOYEIT	750	1/31/2014	44	8.5	21	3.4	---	---
KANUTI CHALATNA	670	1/31/2014	19	3.4	18	2.6	---	---
KANUTI KILOLITNA	550	1/31/2014	21	4.0	13	1.5	---	---
MINNKOKUT	580	1/31/2014	24	4.4	17	2.4	---	---
NOLITNA	560	1/31/2014	32	6.0	20	3.1	---	---
TABLE MOUNTAIN	2200	1/31/2014	24	4.7	10	2.4	18	3.0
TAIHOLMAN	540	1/31/2014	5	0.9	3	0.3	---	---
Kuskokwim								
ANIAK	80	2/1/2014	0	0.0	21	---	---	---
KOGRUKLUK RIVER	493	1/30/2014	23	4.8	---	---	---	---
MCGRATH	340	2/1/2014	16	3.1*	39	7.6	23	4.1
MIDDLE KUSKOWIM	297	1/30/2014	19	3.5	---	---	---	---
N. FORK KUSKOKWIM	512	1/30/2014	33	6.5	27	5.9	---	---
NIXON FORK KUSKOKWIM	508	1/30/2014	29	6.8	30	6.6	---	---
PURKEYPILE MINE	2025	1/31/2014	12	2.8	10	1.6	19	3.4
TELAQUANA LAKE	1550	2/1/2014	1	0.3*	13	3.0	---	---
Lower Yukon								
DEER CREEK	195	1/30/2014	23	5.5	24	3.6	---	---
LITTLE MUD RIVER	855	1/30/2014	13	2.5	21	3.4	---	---
LOWER NOWITNA RIVER	205	1/30/2014	18	3.2	19	3.1	---	---
NINEMILE ISLAND	140	1/30/2014	31	6.0	22	3.5	---	---
PIKE TRAP LAKE	130	1/30/2014	12	2.2	15	2.1	---	---

ARCTIC AND KOTZEBUE SOUND*



Current Basin Conditions

Arctic

Winter snowpack started out early north of the Brooks Range this year. Atigun Pass SNOTEL started its seasonal snow pack on August 20th. Imnaviat Creek SNOTEL site received its first snow on September 13th.

Prudhoe Bay SNOTEL site has received 1.8 inches of precipitation since October 1st, about 90% of normal, the same as last year. Imnaviat Creek SNOTEL had received 2.5 inches which is 119% normal. Atigun Pass has only received 103% of normal or 4.0 inches of precipitation.

Kotzebue

The Kotzebue Sound area has received above normal precipitation for the year, but low snowpacks. Of the three Aerial Markers flown in the Selawik Refuge this year, none measure above 6 inches of snow depth

Arctic and Kotzebue Sound

SNOWPACK DATA

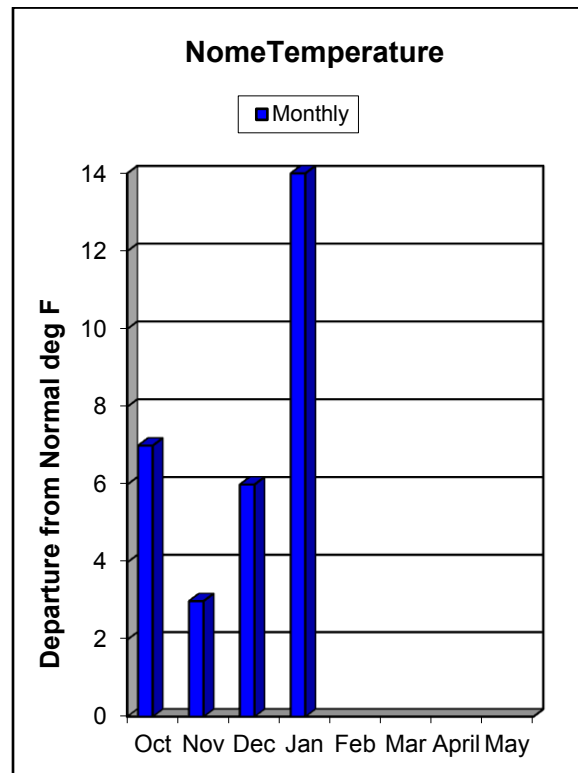
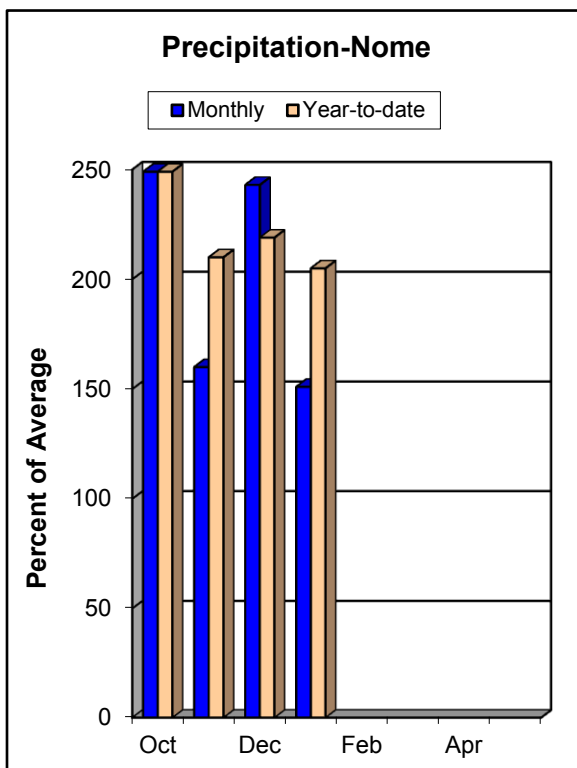
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
INDEPENDENCE CREEK	256	1/27/2014	6	---	8	---	---	---
KELLY STATION	310	2/1/2014	19	2.9	8	1.1	---	---
QUARTZ CREEK	654	1/27/2014	6	---	3	---	---	---

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1981-2010 Ave	% of Average
Arctic						
Atigun Camp	3400	2/01/14	2.2	1.9	1.7	129
Atigun Pass	4800	2/01/14	4.0	2.5	3.9	103
Barrow	25	2/01/14	1.3	1.6	---	---
Imnaviat Creek	3050	2/01/14	2.5	2.1	2.1	119
Kelly Station	310	2/01/14	7.9	2.1	---	---
Prudhoe Bay	30	2/01/14	1.8	1.8	2.0	90
Kotzebue Sound						
Port Red Dog	50	2/01/14	4.3	2.7	2.66	161
Red Dog	950	2/01/14	8.3	5.6	3.25	255

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*



Current Basin Conditions

Norton Sound

The Norton Sound area has received around twice as much precipitation for the water year as normal. This is demonstrated at Rocky Point SNOTEL, which has captured 7.4 inches for the water year, 206% of normal. However, warm temperatures in the fall and January have kept the snowpack diminished

Southwest Delta

Snowpack is low in the Y-K Delta. However, precipitation is much above normal. The NWS Bethel site has measured 9.9 inches since October 1st, or 240% of normal precipitation. The new Kanaryagak SCAN site, located southeast of Chevak, has captured 8.5 inches of precipitation since October 1st, but only has 1" of snow, down from 5 inches in mid-January.

Bristol Bay

Snow is minimal in the Bristol Bay basin. None of the three measured snow courses in the region had any snow on them. Weary Lake SCAN site, located 23 miles west of Dillingham at an elevation of 100 feet, had 50 inches of snow last year at this time and this year has none

Norton Sound / Southwest Delta / Bristol Bay

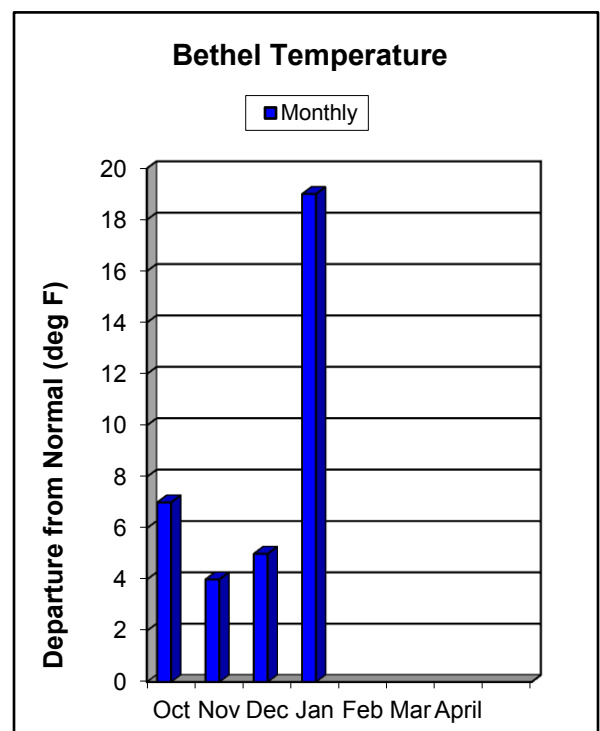
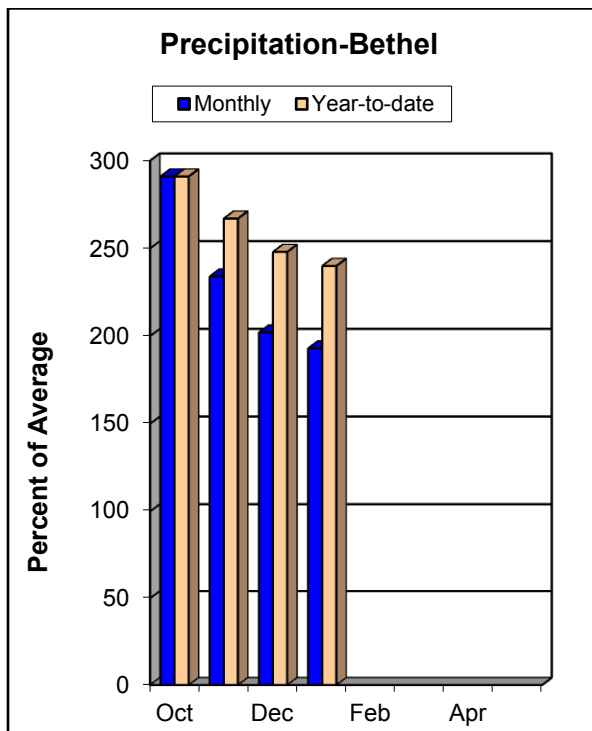
SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)		(inches)			
December								
Bristol Bay								
LOWER MULCHATNA	320	12/1/2013	0	0	0	0	---	---
PORT ALSWORTH	270	12/4/2014	6	1.2	---	---	28	6.6
WEARY LAKE	100	12/1/2013	4	1.0*	2	0.4*	---	---
LOWER MULCHATNA	320	12/1/2013	0	0	0	0	---	---
February								
Norton Sound								
PARGON CREEK	100	2/1/2014	2	0.4*	8	1.1*	---	---
ROCKY POINT	250	2/1/2014	4	1.9*	9	1.0*	---	---
SHAKTOOLIK	20	1/27/2014	0	0.0	---	---	---	---
Bristol Bay								
BROOKS CAMP	150	1/31/2014	0	0	---	---	---	---
FISHTRAP LAKE	1800	No Survey	---	---	---	---	28	6.6
LOWER MULCHATNA	320	2/1/2014	0	0	2	0.3	---	---
PORT ALSWORTH	270	1/31/2014	0	0	0	0	17	3.1
THREE FORKS	1300	1/31/2014	0	0	---	---	---	---
UPPER TWIN LAKES		No Survey	---	---	---	---	---	---
WEARY LAKE	100	2/1/2014	0	0	48	---	---	---

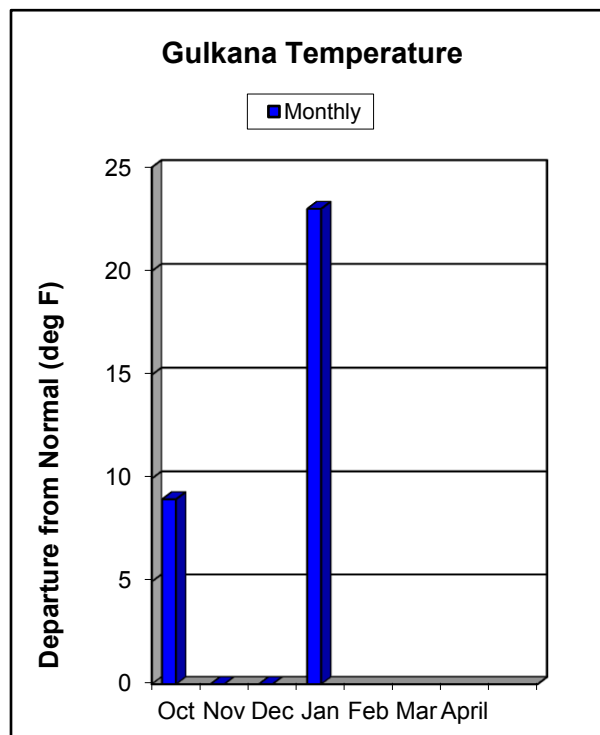
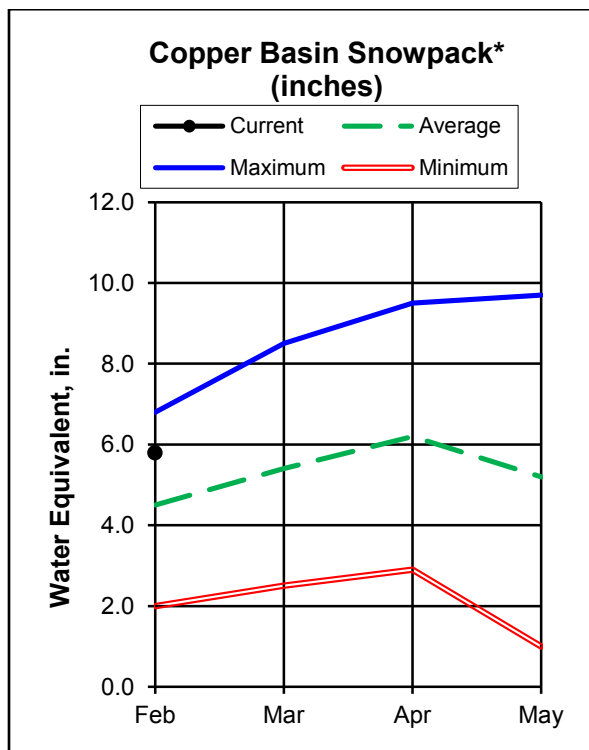
PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1981-2010 Ave	% of Average
Pargon Creek	100	2/01/14	8.3	4.4	4.0	208%
Rocky Point	500	2/01/14	7.8	2.7	4.1	190%



COPPER BASIN*



Current Basin Conditions

The snowpack in the Copper River Basin is above normal to much above normal, with only two snow courses below normal: Monsoon Lake and Little Nelchina.

The Alaska Range courses averaged 149% of normal. Paxson snow course was measured with 8.2 inches of SWE, 0.2 inches more than last year, which set a new February record for the 32 year old course. Eight years, however, had deeper snowpacks than the 30 inches at the Paxson snow course.

Several snow courses were not measured in the Chugach Range due to avalanche forced road closures.

The Basin Floor and Wrangell Mountains measured around 130% of normal. This is demonstrated at Haggard Creek which had 24 inches of snow with 5.4 inches of SWE; shallower but denser than last year when it had 27 inches of snow with 4.3 inches of water content.

Copper Basin

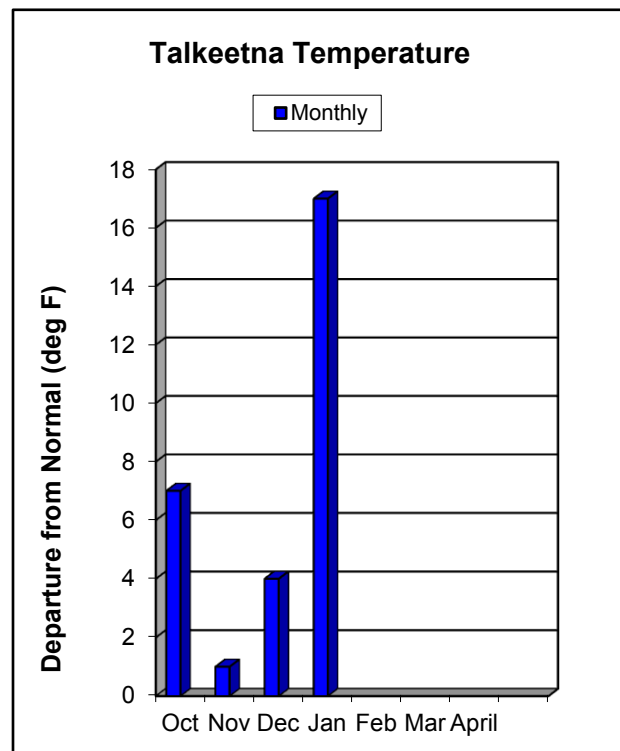
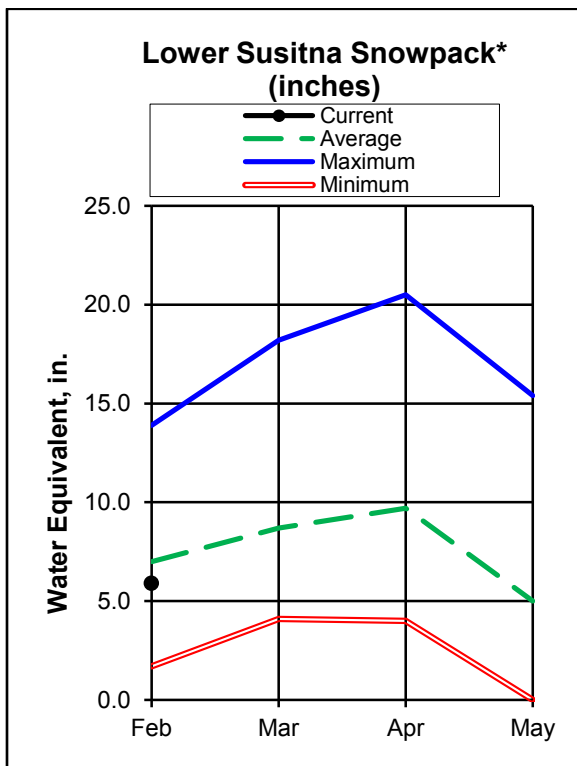
SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)		(inches)			
December								
KENNY LAKE SCHOOL	1300	11/29/2014	15	1.7	9	0.9	10	1.3
LITTLE NELCHINA	2650	11/29/2014	13	1.7	10	0.9	12	1.5
MAY CREEK	1610	12/1/2014	8	1.3	9	0.9	---	2.0
TAZLINA	1250	11/29/2014	14	1.8	10	1.0	9	1.1
TOLSONA CREEK	2000	11/29/2014	13	1.9	8	0.9	11	1.8
UPPER TSAINA RIVER	1750	12/1/2014	36	6.8	10	1.6	---	5.2
KENNY LAKE SCHOOL	1300	11/29/2014	15	1.7	9	0.9	10	1.3
LITTLE NELCHINA	2650	11/29/2014	13	1.7	10	0.9	12	1.5
MAY CREEK	1610	12/1/2014	8	1.3	9	0.9	---	2.0
TAZLINA	1250	11/29/2014	14	1.8	10	1.0	9	1.1
TOLSONA CREEK	2000	11/29/2014	13	1.9	8	0.9	11	1.8
January								
MAY CREEK	1610	1/1/2014	15	2.3	15	2.0	---	3.0
UPPER TSAINA RIVER	1750	1/1/2014	43	9.9	18	4.0	---	9.3
February								
CHISTOCHINA	1950	1/29/2014	18	3.8	19	2.8	17	2.6
CHOKOSNA	1550	1/29/2014	10	3.2	16	3.0	---	---
DADINA LAKE	2160	2/1/2014	31	8.4	13	2.2	25	4.4
FIELDING LAKE	3000	1/29/2014	41	11.2	41	8.9	32	6.6
HAGGARD CREEK	2540	1/29/2014	24	5.4	27	4.3	23	4.1
KENNY LAKE SCHOOL	1300	1/30/2014	15	3.4	17	2.1	14	2.6
LITTLE NELCHINA	2650	1/30/2014	19	3.4	16	2.1	22	3.9
LONG GLACIER	4820	2/2/2014	30	8.5	---	---	---	---
MAY CREEK	1610	2/1/2014	14	4.1	23	3.5	---	3.7
MENTASTA PASS	2430	1/29/2014	28	7.2	29	5.2	22	4.0
MONSOON LAKE	3100	2/1/2014	22	4.0	31	5.9	25	4.6
PAXSON	2650	1/29/2014	30	8.2	34	6.2	27	5.3
SANFORD RIVER	2280	2/1/2014	21	4.8	17	2.8	22	3.8
ST. ANNE LAKE	1990	2/1/2014	23	4.8	14	2.3	19	3.7
TAZLINA	1250	1/30/2014	14	3.8	14	2.2	15	2.8
TEBAY LAKE	1930	2/2/2014	45	12.6	---	---	---	---
TOLSONA CREEK	2000	1/30/2014	20	4.3	16	2.0	18	3.2
TSAINA RIVER	1650	No Survey	---	---	40	6.7	48	11.2
TWIN LAKES	2400	No Survey	---	---	---	---	24	4.4
UPPER TSAINA RIVER	1750	No Survey	38	12.3*	44	8.1	---	12.9
WORTHINGTON GLACIER	2100	No Survey	---	---	53	11.3	60	16.8
Estimate*								

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Normal
Alaska Range*	4	149
Basin Floor	7	126
Chugach Range	1	130
Talkeetna Mountains	3	116
Wrangell Mountains	3	145

MATANUSKA - SUSITNA BASINS*



Current Basin Conditions

Similar to last year, the Susitna Basin ranges from below normal at lower elevation sites to above normal at higher elevation sites and near its headwaters.

The lower Susitna Basin snow courses average 87% of normal. This ranges from 73% at Skwentna to 121% at Su Valley High SNOTEL site which has 19 inches of snow and 7.6 inches of snowpack.

The Upper Susitna Valley's 10 snow courses average 117% of normal with snow courses east of the Talkeetna Mountains higher than the courses on the western side. The pattern is shallower, but denser snowpacks compared to last year.

In the Matanuska Basin, the southern Talkeetna Mountains are much above normal. The higher the elevation, the more they measure above normal. Independence Mine snow course is 150% of normal with 65 inches of snow and 21.8 inches of SWE, five inches deeper and 6.5 inches wetter than last year.

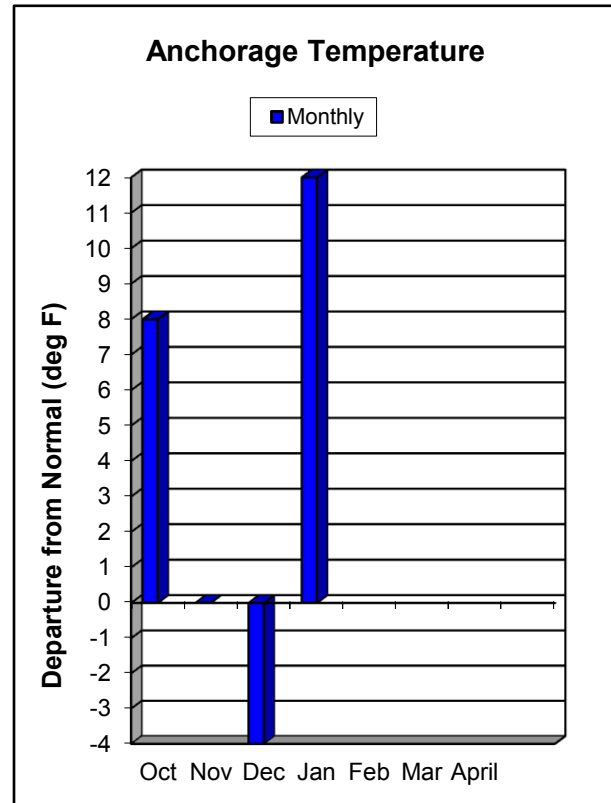
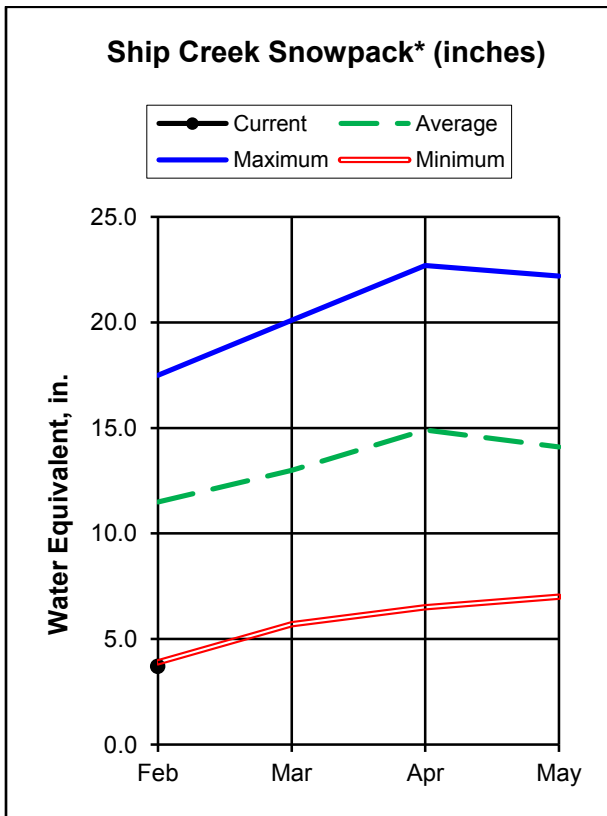
The Point MacKenzie SNOTEL site has caught 11.6 inches of precipitation since October 1st, 187% of normal. However, the snowpack at the SNOTEL site is 122% of normal with 13 inches of depth and 4.0 inches of water content.

Matanuska - Susitna Basins

SNOWPACK DATA

SNOWPACK DATA			THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
Snow Course	Elev.	Date	Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)					(inches)		
December								
ARCHANGEL ROAD	2200	11/29/2014	30	5.0	5	0.5	---	4.6
BLUEBERRY HILL	1200	11/29/2014	30	5.7	---	---	---	---
CHELATNA LAKE	1450	12/2/2014	14	2.3	---	---	16.0	---
DENALI VIEW	700	11/29/2014	23	4.0	5	0.9	18.0	3.4
DUNKLE HILLS	2700	12/2/2014	32	6.4	---	---	---	---
DUTCH HILLS	3100	12/2/2014	51	11.8	---	---	36	9.5
E. FORK CHULITNA	1770	11/29/2014	33	6.8	5	0.9	20.0	3.9
FISHHOOK BASIN	3300	11/30/2014	48	11.6	8	0.7	28	6.3
HALFWAY SLOUGH	350	11/29/2014	14	2.2	5	0.9	---	---
INDEPENDENCE MINE	3550	11/30/2014	56	13.2	8	0.9	31	6.8
INDEPENDENCE MINE	3550	12/1/2014	52	10.6	7	1.4	---	4.2
LAKE LOUISE	2400	11/29/2014	14	1.8	12	1.1	12.0	1.6
LITTLE SUSITNA	1700	11/29/2014	26	4.4	4	0.5	20	3.4
MONAHAN FLAT	2710	12/1/2014	18	---	4	---	---	---
NUGGET BENCH	2010	12/2/2014	10	1.7	---	---	27.0	---
POINT MACKENZIE	250	12/1/2014	8	1.3	5	0.7	---	1
RAMSDYKE CREEK	2220	12/2/2014	45	10.1	---	---	33	7.6
SUSITNA VALLEY HIGH	375	12/1/2014	13	2.6	6	0.9	---	2.9
TALKEETNA	350	11/29/2014	15	2.0	5	0.8	13	1.8
TOKOSITNA VALLEY	850	12/1/2014	19	3.1	5	1.1	---	4.3
WILLOW AIRSTRIP	200	11/29/2014	16	2.3	8	1.4	16	2.5
January								
INDEPENDENCE MINE	3550	1/1/2014	49	12.3	15	3.8	---	5.9
POINT MACKENZIE	250	1/1/2014	14	3.1	11	2.1	---	2.6
SUSITNA VALLEY HIGH	375	1/1/2014	20	4.4	13	2.0	---	5.0
TOKOSITNA VALLEY	850	1/1/2014	26	4.3	13	2.8	---	6.0
February								
ALEXANDER LAKE	160	1/29/2014	27	7.3	32	6.5	37	8
ARCHANGEL ROAD	2200	1/30/2014	35	10.5	45	10.3	38	10
BLUEBERRY HILL	1200	1/29/2014	33	10.0	35	7.9	43	10.7
CHELATNA LAKE	1450	1/31/2014	15	4.0	34	7.1	38	8.6
CLEARWATER LAKE	2650	2/1/2014	24	6.1	36	7.1	22	4
CURTIS LAKE	2850	2/1/2014	18	3.3	18	2.7	20	3.2
DENALI VIEW	700	1/29/2014	25	8.2	29	5.8	35	8.8
DUNKLE HILLS	2700	1/31/2014	48	15.8	32	6.5	---	---
DUTCH HILLS	3100	1/31/2014	69	23.5	36	7.3	62	18
E. FORK CHULITNA	1770	1/29/2014	40	10.9	37	7.6	41	9.5
FISHHOOK BASIN	3300	1/30/2014	58	17.9	54	12.5	46	12.5
FOG LAKES	2120	2/1/2014	24	4.7	36	7.1	20	3.4
HALFWAY SLOUGH	350	1/29/2014	16	4.2	21	4.0	---	---
HORSEPASTURE PASS	4300	2/1/2014	27	6.1	30	5.6	27	4.6
INDEPENDENCE MINE	3550	1/30/2014	65	21.8	60	15.3	52	14.5
INDEPENDENCE MINE	3550	2/1/2014	56	15.6	48	10.8	---	8.6
LAKE LOUISE	2400	1/30/2014	22	3.9	22	2.8	19	3
LITTLE SUSITNA	1700	1/30/2014	34	9.2	38	8.6	34	8
MONAHAN FLAT	2710	2/1/2012	24	4.2*	22	4.2*	28	---
NUGGET BENCH	2010	1/31/2014	29	7.5	41	9.2	42	10.8
POINT MACKENZIE	250	2/1/2014	13	4.0	15	2.7	---	4.1
RAMSDYKE CREEK	2220	1/31/2014	43	14.3	63	15.1	56	15.5
SKWENTNA	160	1/29/2014	22	5.8	25	4.8	36	8
SQUARE LAKE	2950	2/1/2014	16	3.1	22	3.3	20	3.1
SUSITNA VALLEY HIGH	375	2/1/2014	19	7.6	24	4.0	---	6.3
TALKEETNA	350	1/29/2014	17	4.9	21	4.4	24	4.8
TOKOSITNA VALLEY	850	2/1/2014	27	7.6	38	8.6	---	8.5
TYONE RIVER	2400	Missing	---	---	---	---	20	4
UPPER OSHETNA RIVER	3150	2/1/2014	19	3.7	18	2.6	19	3.1
UPPER SANONA CREEK	3100	2/1/2014	26	4.9	15	2.1	23	3.9
WILLOW AIRSTRIP	200	1/29/2014	21	5.7	27	5.0	25	4.9

Northern Cook Inlet



Current Basin Conditions

Snow Conditions in Northern Cook Inlet are below to much below normal. The Indian Pass and Mount Alyeska SNOTEL sites have received above normal precipitation for the water year, but have less than half of their normal snowpacks. South Campbell Creek Snow Course, with 41 years of measurements, was shallower but slightly wetter than last year's record low with 4 inches of snow and 1.0 inches of water content, or 22% of normal.

Moraine SNOTEL site, 1000 feet above Eklutna Reservoir, has received 6.7 inches of precipitation or 79% of normal but has 22% of normal snowpack with 1.2 inches of SWE.

Portage Valley Snow Course had no snow, the first time since 2001.

Northern Cook Inlet

SNOW PACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)		(inches)			
December								
ANCHORAGE HILLSIDE	2080	12/1/2014	10	1.3	6	0.8	---	3.5
INDIAN PASS	2350	12/1/2014	27	3.9	15	2.2	---	6.3
KINKAID PARK	250	12/2/2014	7	0.8	2	0.2	7	1.2
MORAINE	2100	12/1/2014	3	0.8	3	0.2	---	2.3
MT. ALYESKA	1540	12/1/2014	18	4.1	12	2.4	---	7.5
POINT MACKENZIE	250	12/1/2014	8	1.3	5	0.7	---	1
PORTAGE VALLEY	50	12/2/2014	13	2	20	3.4	14	2.8
S. CAMPBELL CREEK	1200	12/2/2014	9	1.5	6	0.7	12	2.2
January								
ANCHORAGE HILLSIDE	2080	1/1/2014	17	3.1	12	2.5	---	5.7
INDIAN PASS	2350	1/1/2014	33	5.6	38	6.4	---	12.3
MORAINE	2100	1/1/2014	9	2.2	11	1.7	---	4.5
MT. ALYESKA	1540	1/1/2014	34	7.4	37	10.7	---	14.7
POINT MACKENZIE	250	1/1/2014	14	3.1	11	2.1	---	2.6
PORTAGE VALLEY	50	12/31/2014	23	5.5	19	6.1	32	7.2
February								
ANCHORAGE HILLSIDE	2080	2/1/2014	10	2.8	20	4.5	---	7.1
INDIAN PASS	2350	2/1/2014	32	8.8	69	15.4	---	16.6
KINKAID PARK	250	1/31/2014	9	2.2	11	2.6	15	3.1
MORAINE	2100	2/1/2014	1	1.0	15	3.1	---	5.4
MT. ALYESKA	1540	2/1/2014	20	6.4	69	21.6	---	20.8
POINT MACKENZIE	250	2/1/2014	13	4.0	15	2.7	---	4.1
PORTAGE VALLEY	50	1/31/2014	0	0.0	20	6.0	26	8.4
S. CAMPBELL CREEK	1200	1/31/2014	4	1.0	6	0.6	20	4.7

PRECIPITATION DATA

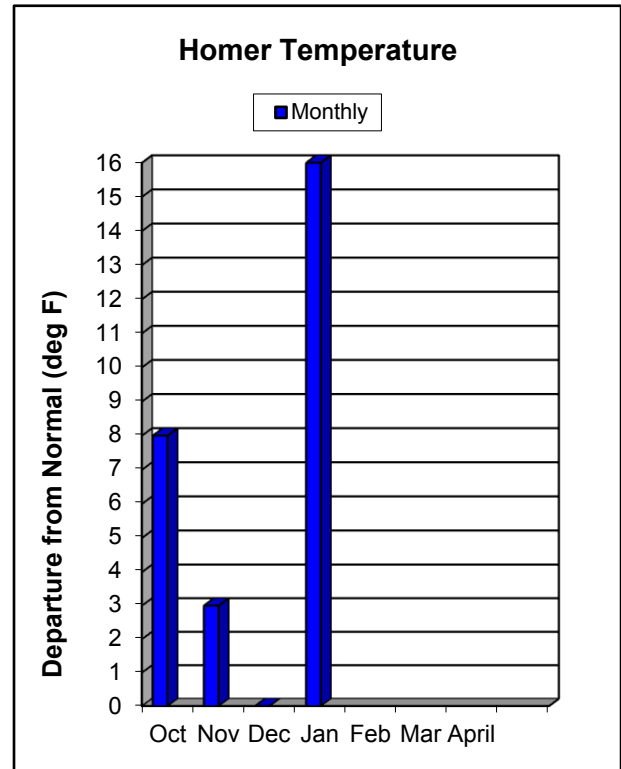
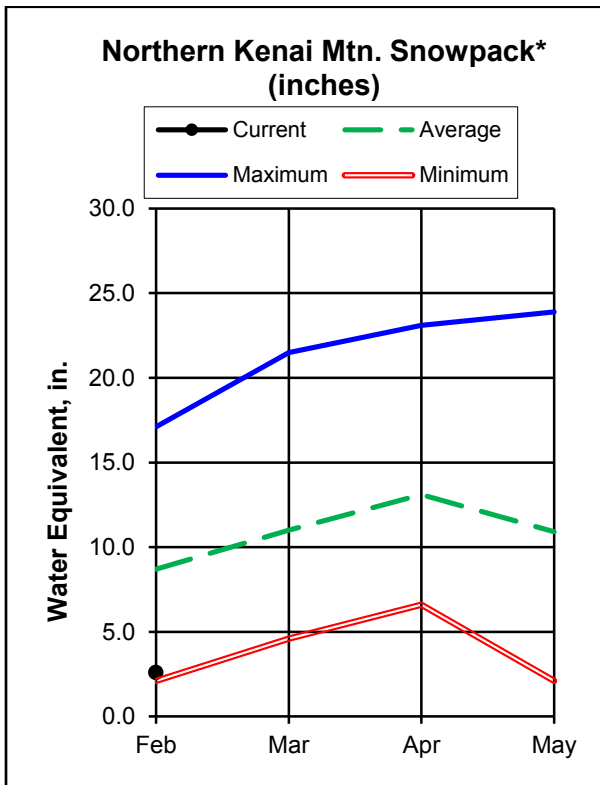
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1981-2010 Ave	% of Average
ANCHORAGE HILLSIDE	2080'	2/1/2014	11.9	8.9	10.34	115%
INDIAN PASS	2350'	2/1/2014	21.4	25.2	18.28	117%
MORAINE	2100'	2/1/2014	6.8	6.1	8.46	80%
MT. ALYESKA	1540'	2/1/2014	33.3	27.1	33.47	99%
POINT MACKENZIE	250'	2/1/2014	11.6	6.7	6.25	186%

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Normal
Campbell Creek	3	40
Ship Creek	2	45
Turnagain Arm	3	33

KENAI PENINSULA*



Current Basin Conditions

The whole Kenai Peninsula has below to much below normal snowpack. The Northern Kenai Mountains' 10 snow courses average 33% of normal. Moose Pass, Jean Lake, and Snug Harbor snow courses had no measurable snow. The last time Jean Lake and Snug Harbor had no snow in February was 1981 and 1985, respectively. Turnagain Pass SNOTEL site has received near normal precipitation, but only has 38% of normal snowpack.

The snow courses near Homer average 34% of normal. Anchor River Divide SNOTEL site has received 14.6 inches of precipitation for the water year, 119% of normal, but only has 5.9 inches of SWE at the site, 67% of normal. Lower sites are even more diminished; Bridge Creek and Demonstration Forest are 27% and 29% of normal, respectively. South across Kachemak Bay, the snowpack is lower. Port Graham SNOTEL site had 105% of normal precipitation no snowpack. The Nuka Glacier SNOTEL site, near Bradley Lake, has 133 percent of normal precipitation for the water year, 46.6 inches, but almost no snowpack. Last year, the snow was 56 inches deep with an estimated 18.5 inches of water content. Now there are 3 inches of snow with an estimated water content of 1.1 inches.

Kenai Peninsula

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
	(feet)					(inches)		
December								
ANCHOR RIVER DIVIDE	1653	12/1/2014	4	1.1	5	1.6	---	2.9
BERTHA CREEK	950	12/3/2014	11	1.7	13	2.2	---	---
BRIDGE CREEK	1300	12/3/2014	5	0.7	5	0.8	12	1.5
COOPER LAKE	1200	12/1/2014	10	1.9	10	2.3	---	3.2
DEMONSTRATION FOREST	780	12/2/2014	7	1.1	4	1.0	8	1.0
EXIT GLACIER	400	12/2/2014	6	0.9	7	2.0	18	3.2
EXIT GLACIER	400	12/1/2014	3	1.8	5	1.4	---	3.5
GRANDVIEW	1100	12/1/2014	10	1.8	19	4.1	---	5.3
GROUSE CREEK DIVIDE	700	12/1/2014	10	2.6	3	0.6	---	2.9
JEAN LAKE	620	11/2/2014	6	1.0	4	0.4	8	1
KACHEMAK CREEK	1660	12/2/2014	6	0.7	8	1.4	---	---
KENAI MOOSE PENS	300	12/1/2014	4	0.5	4	0.7	---	1.2
KENAI SUMMIT	1390	12/3/2014	14	2.1	10	1.4	20	4.0
MCNEIL CANYON	1320	12/1/2014	4	0.8	4	1.2	---	1.9
MIDDLE FORK BRADLEY	2300	12/1/2014	4	---	9	---	---	---
MOOSE PASS	700	12/3/2014	8	1.1	5	0.6	11	1.6
MT. ALYESKA	1540	12/1/2014	18	4.1	12	2.4	---	7.5
NUKA GLACIER	1250	12/2/2014	7	1.4	6	1.3	14	4.2
PORT GRAHAM	300	12/1/2014	4	1.6	6	1.8	---	0.5
PORTAGE VALLEY	50	12/2/2014	13	2.0	20	3.4	14	2.8
SNUG HARBOR ROAD	500	12/2/2014	3	0.5	3	1.0	8	1.0
SUMMIT CREEK	1400	12/1/2014	13	2.8	7	1.0	---	2.6
TURNAGAIN PASS	1880	12/1/2014	13	2.3	17	3.3	---	7.4
January								
ANCHOR RIVER DIVIDE	1653	1/1/2014	11	3.0	39	7.2	---	5.9
BERTHA CREEK	950	1/2/2014	17	2.5	---	---	34	8.4
COOPER LAKE	1200	1/1/2014	17	4.7	23	6.6	---	8.2
EXIT GLACIER	400	1/1/2014	15	3.9	18	6.9	---	8.0
GRANDVIEW	1100	1/1/2014	20	3.8	41	10.3	---	14.2
GROUSE CREEK DIVIDE	700	1/1/2014	16	4.5	17	5.9	---	8.3
KENAI MOOSE PENS	300	1/1/2014	11	2.1	12	2.0	---	2.5
KENAI SUMMIT	1390	1/2/2014	21	3.3	---	---	32	7.3
MCNEIL CANYON	1320	1/1/2014	10	2.4	21	5.6	---	4.7
MIDDLE FORK BRADLEY	2300	1/1/2014	9	---	43	---	---	---
MOOSE PASS	700	1/2/2014	10	1.5	---	---	18	4.0
MT. ALYESKA	1540	1/1/2014	34	7.4	37	10.7	---	14.7
PORT GRAHAM	300	1/1/2014	12	4.3	12	4.3	---	3.5
PORTAGE VALLEY	50	12/31/2014	23	5.5	19	6.1	32	7.2
SUMMIT CREEK	1400	1/1/2014	19	4.0	19	4.5	---	6.2
TURNAGAIN PASS	1880	1/1/2014	30	5.2	62	11.5	---	15.3

February

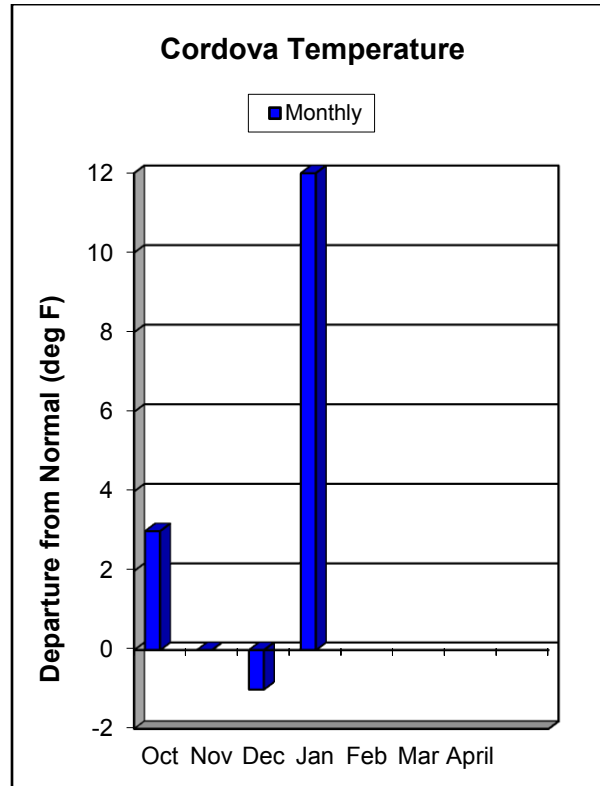
ANCHOR RIVER DIVIDE	1653	2/1/2014	12	5.0	40	11.0	---	8.8
BERTHA CREEK	950	2/5/2014	15	3.4	43	12.2	44	12.4
BRIDGE CREEK	1300	1/31/2014	8	2.0	31	7.5	30	7.4
COOPER LAKE	1200	2/1/2014	10	2.7	37	11.8	---	11.3
DEMO FOREST	780	1/31/2014	6	2.4	20	5.4	20	4.8
EXIT GLACIER S.C.	400	1/30/2014	13	5.0	38	12.4	42	11.7
EXIT GLACIER SNOTEL	400	2/1/2014	13	5.4	36	11.0	---	11.7
GRANDVIEW	1100	2/1/2014	13	4.4	56	17.7	---	19.7
GROUSE CREEK DIVIDE	700	2/1/2014	12	5.3	31	12.0	---	12.3
JEAN LAKE	620	2/2/2014	0	0.0	10	2.4	14	3.0
KENAI MOOSE PENS	300	2/1/2014	7	2.4	14	3.0	---	3.6
KENAI SUMMIT	1390	2/5/2014	17	4.3	43	9.6	37	9.6
MCNEIL CANYON	1320	2/1/2014	3	1.2	28	9.2	---	7.1
MOOSE PASS	700	2/5/2014	0	0.0	20	5.3	20	4.9
MT. ALYESKA	1540	2/1/2014	20	6.4	69	21.6	---	20.8
NUKA GLACIER	1250	2/1/2013	3	1.1*	56	18.5	59	18.6
PORT GRAHAM	300	2/1/2014	0	0.0	18	4.1	---	4.8
PORTAGE VALLEY	50	1/31/2014	0	0.0	20	6.0	26	8.4
SNUG HARBOR ROAD	500	2/2/2014	0	0.0	11	2.8	15	3.6
SUMMIT CREEK	1400	2/1/2014	15	4.8	34	8.1	---	8.1
TURNAGAIN PASS	1880	2/1/2014	29	11.0	73	19.6	---	23.0

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1981-2010 Ave	% of Average
ANCHOR RIVER DIVIDE	1653'	2/1/2014	14.7	17.2	12.45	118%
COOPER LAKE	1200'	2/1/2014	21.6	15.1	19.98	108%
EXIT GLACIER	400'	2/1/2014	39.4	28.7	---	---
GRANDVIEW	1100'	2/1/2014	25.7	19.7	30.01	86%
GROUSE CREEK DIVIDE	700'	2/1/2014	28.9	19.3	28.16	103%
KACHEMAK CREEK	1660'	2/1/2014	38.1	24.1	30.62	124%
KENAI MOOSE PENS	300'	2/1/2014	8.8	7.1	6.26	141%
MCNEIL CANYON	1320'	2/1/2014	10.6	12.6	12.96	82%
MIDDLE FORK BRADLEY	2300'	2/1/2014	28.3	14.2	25.26	112%
NUKA GLACIER	1250'	2/1/2014	46.7	25.3	41.31	113%
PORT GRAHAM	300'	2/1/2014	38.5	24.5	36.85	104%
TURNAGAIN PASS	1880'	2/1/2014	26.2	24.3	28.53	92%

Western Gulf*



Current Basin Conditions

The Western Gulf of Alaska area has normal to much below normal snowpack conditions. Mt Eyak SNOTEL, above Cordova, has 23% of normal snowpack - 11 inches of snow with 3.9 inches of water content, less than it had January 1st and about the same as it had December 1st.

The Sugarloaf snow course is 96% of normal with 46 inches of snow and 16.0 inches of water content. Further west, the Exit Glacier SNOTEL site has 13 inches of snow with 5.4 inches of water content which is 46% of normal.

Western Gulf

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 AVERAGE	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)		(inches)			
December								
EXIT GLACIER S.C.	400	12/2/2014	6	0.9	7	2	18	3.2
EXIT GLACIER SNOTEL	400	12/1/2014	3	1.8	5	1.4	---	3.5
GROUSE CREEK DIVIDE	700	12/1/2014	10	2.6	3	0.6	---	2.9
MT. EYAK	1405	12/1/2014	12	3.6	26	5.6	---	7.4
NUKA GLACIER	1250	12/1/2014	7	1.4	6	1.3	14	4.2
SUGARLOAF MOUNTAIN	550	12/6/2014	22	6.8	4	1.1	---	---
January								
EXIT GLACIER	400	1/1/2014	15	3.9	18	6.9	---	8
GROUSE CREEK DIVIDE	700	1/1/2014	16	4.5	17	5.9	---	8.3
MT. EYAK	1405	1/1/2014	27	7.9	35	9.9	---	12.8
UPPER TSAINA RIVER	1750	1/1/2014	43	9.9	18	4	---	9.3
February								
EXIT GLACIER S.C.	400	1/30/2014	13	5	38	12.4	42	11.7
EXIT GLACIER SNOTEL	400	2/1/2014	13	5.4	36	11	---	11.7
GROUSE CREEK DIVIDE	700	2/1/2014	12	5.3	31	12	---	12.3
LOWE RIVER	600	No Survey	---	---	46	9.7	44	11.1
MT. EYAK	1405	2/1/2014	11	3.9	54	17.4	---	17.9
NUKA GLACIER	1250	No Survey	---	---	56	18.5	59	18.6
SUGARLOAF MOUNTAIN	550	2/2/2014	46	16	---	---	60	16.7
TSAINA RIVER	1650	No Survey	---	---	40	6.7	48	11.2
UPPER TSAINA RIVER	1750	2/1/2014	38	12.3*	44	8.1	---	12.9
VALDEZ	50	No Survey	---	---	46	11.5	42	11.4

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1981-2010 Ave	% of Average
ESTHER ISLAND	50'	2/1/2014	80.8	44.3	60.72	133%
EXIT GLACIER	400'	2/1/2014	39.4	28.7	---	---
GROUSE CREEK DIVIDE	700'	2/1/2014	28.9	19.3	28.16	103%
MT. EYAK	1405'	2/1/2014	73.7	41.1	---	---
NUKA GLACIER	1250'	2/1/2014	46.7	25.3	41.31	113%
PORT SAN JUAN	50'	2/1/2014	63.8	40.8	56.73	112%
STRAWBERRY REEF	30'	2/1/2014	44.4	---	---	---
SUGARLOAF MTN	550'	2/1/2014	50.9	22.7	29.27	174%
TATILEK	50	2/1/2014	50.2	28.1	30.6	164%
UPPER TSAINA RIVER	1750'	2/1/2014	29.7	14.0	19.87	149%
ESTHER ISLAND	50'	2/1/2014	80.8	44.3	60.72	133%

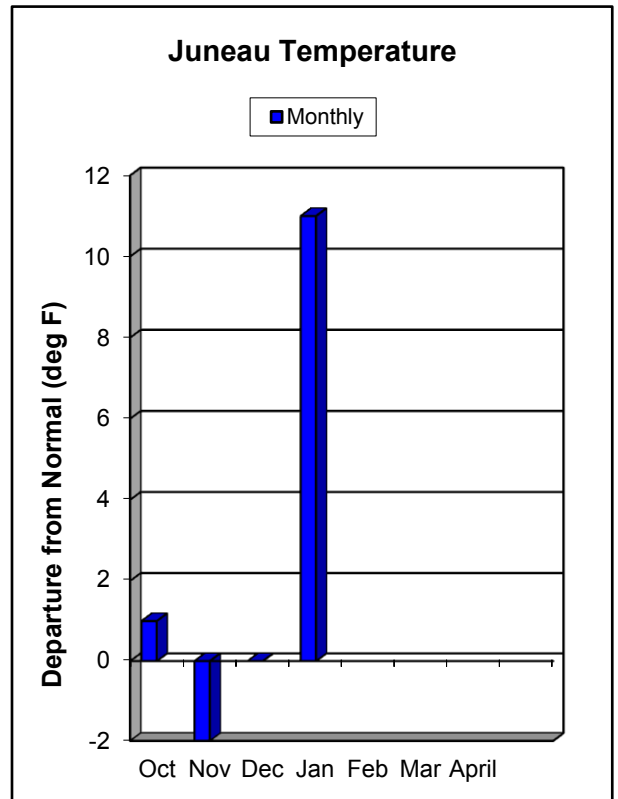
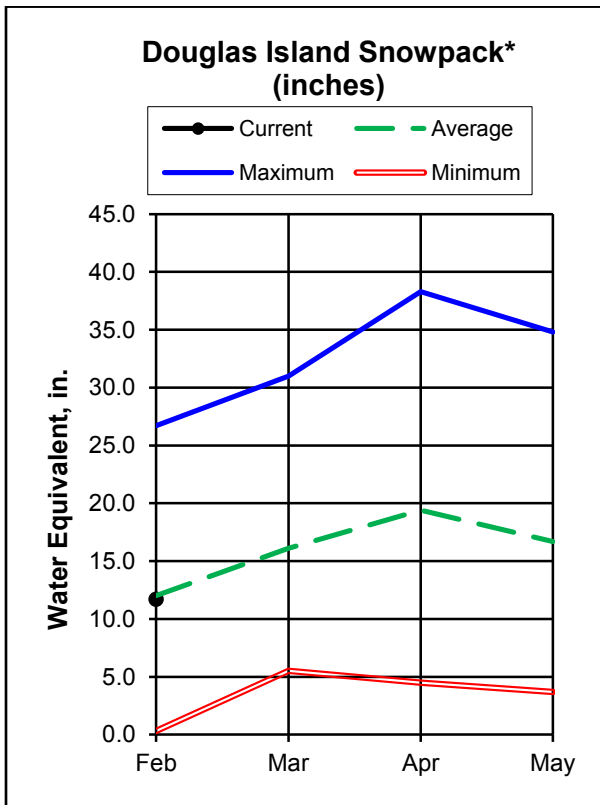
**Wyoming shielded gauge

*Copper Valley Electric Association

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Normal
Lowe River (Valdez)	1	96
Eyak Lake	1	22

SOUTHEAST*



Current Basin Conditions

Southeast Alaska has a variable snowpack based on both region and elevation.

The Petersburg area had below normal snowpacks. The reservoir snow course had no snow, while the Petersburg Ridge snow course had 28 inches of snow with 12.4 inches of water content, 67% of normal. Both lost snow during January.

The Juneau and Skagway area snow courses were all near normal or above normal. Eagle Crest snow course on Douglas Island had 34 inches of snow with 10.8 inches of SWE, 102% of normal.

Long Lake SNOTEL site has 67 inches of snow with 27.2 inches of water content which is 108% of normal. Similarly, the precipitation gauge at the site has caught 108% of normal precipitation since October 1st or 80.8 inches. Likewise, the Moore Creek Bridge SNOTEL site, between Skagway and White Pass, has received 103% of normal precipitation and has 119% of normal snowpack.

Southeast

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
			(feet)		(inches)			
December								
CROPLEY LAKE	1650	11/29/2014	18	6.0	21	3.3	21	5.7
EAGLE CREST	1200	11/29/2014	13	3.7	15	2.2	6	1.0
FISH CREEK	500	11/29/2014	0	0	8	1.1	0	0
INSTITUTE CREEK	1350	12/3/2014	3	0.5	9	2.6	---	---
LONG LAKE	850	12/1/2014	29	7.8	30	7.9	---	9.5
MOORE CREEK BRIDGE	2250	12/9/2014	16	4	21	4.2	22	4.2
PETERSBURG RESERVOIR	550	12/3/2014	0	0	8	1.0	---	---
PETERSBURG RIDGE, S.	1650	12/3/2014	12	3.3	19	4.0	---	---
RAINBOW FALLS	500	12/3/2014	0	0	3	0.9	---	---
WEST CREEK	475	12/11/2014	10	3.0	15	3.0	---	---
January								
LONG LAKE	850	1/1/2014	80	22.5	62	18.9	---	15.9
PETERSBURG RESERVOIR	550	12/30/2014	7	2	24	5.9	9	1.3
PETERSBURG RIDGE, S.	1650	12/30/2014	34	12.4	52	11.8	36	10
February								
CROPLEY LAKE	1650	1/31/2014	52	16.6	72	24.4	56	18.4
EAGLE CREST	1200	1/31/2014	34	10.8	52	18.2	36	10.6
FISH CREEK	500	1/31/2014	26	7.8	17	5.3	14	3.1
INSTITUTE CREEK	1350	1/30/2014	12	4.6	37	13.6	---	---
LONG LAKE	850	2/1/2014	66	27.2	85	30.2	---	25.2
MOORE CREEK BRIDGE	2250	1/29/2014	40	16.2	61	16.6	54	13.6
PETERSBURG RESERVOIR	550	1/30/2014	0	0	21	5.6	16	3.7
PETERSBURG RIDGE, S.	1650	1/30/2014	28	11.2	56	19.3	48	16.7
RAINBOW FALLS	500	1/30/2014	0	0	9	2.8	---	---
WEST CREEK	475	1/30/2014	25	9.2	36	8.5	---	---
Estimate *								

PRECIPITATION DATA

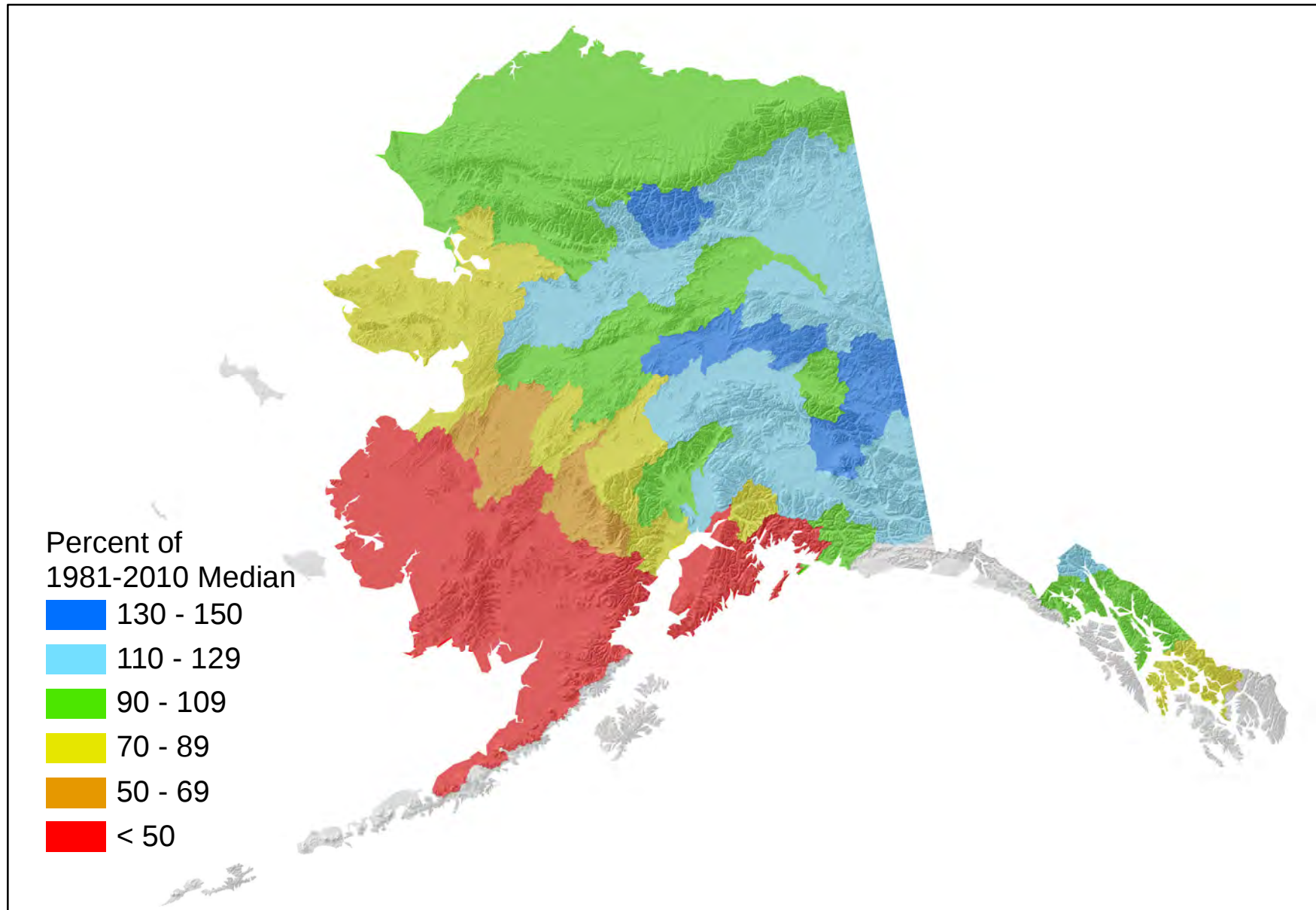
INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1981-2010 Ave	% of Average
LONG LAKE	850'	2/1/2014	80.8	56.3	75	108%
MOORE CREEK BRIDGE	2250'	2/1/2014	20.7	17.0	20.09	103%

WATERSHED SNOW PACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Normal
Douglas Island	3	149
Long Lake	1	120
Petersburg	2	122
Skagway	2	119

Alaska Snowpack as of February 1, 2014



For further information contact:

NRCS Alaska web site: www.nrcs.usda.gov/wps/portal/nrcs/main/ak/snow/

NRCS Water and Climate Center web site: www.nrcs.usda.gov/wps/portal/nrcs/main/national/nwcc/

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

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USDA Alaska Snow Survey Report



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