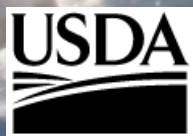


Alaska Snow Survey Report



March 1, 2014

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NOAA, Alaska Pacific RFC Climate

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U.S. Army Corps of Engineers

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Cover photo: A Ptarmigan perches above McCallum Creek in the upper Tanana River basin

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General Overview

SnowPack

Regions of the state with higher than normal snowpack include the Arctic, the eastern half of the Interior and the Copper Basin. Snowpack in the eastern Alaska Range are especially high, but similar to last year. The Chatanika basin and White Mountains above Fairbanks are another area with much above normal snowpack. Most of these areas were above normal last month and only saw modest increases during February.

Below normal snowpack regions of the state are Southcentral Alaska and especially western Alaska. Many parts of western Alaska are either snow free or have minimal coverage. Bristol Bay and the lower Kuskokwim basins are particularly barren of snow. This below normal trend extends along Norton Sound, over the Seward Peninsula, all the way above Kotzebue.

Southeast Alaska has regions of both normal and below normal snowpack, though there is a general trend of lighter snowpacks further south. Low elevation sites are the most divergent from normal, with some sites with less than half normal snow

Precipitation

Most of Alaska received below normal precipitation for the month of February. Most basins received 40-60% of normal precipitation with a few, scattered sites recording above normal precipitation

Temperature

Temperatures cooled down during February, though most of the state still remained above normal.

Fort Yukon was 19°F above normal for the month. Similarly, Fairbanks was 17°F above normal, Barrow 10°F above, and Bethel and Nome were 9°F above normal.

Areas closer to normal include Bettles (4°F above normal), Homer and Talkeetna (2°F above normal), Anchorage (2°F below normal), and Juneau and Cordova (4°F below normal).

The part of the state most below normal was the Copper Basin where Gulkana was 12°F below normal. This colder region seems to stretch east towards Canada where Whitehorse was 8°F below normal.

Streamflow Forecasts

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	101	April - July
Porcupine River nr Int'l Boundary.....	97	April - July
Yukon River near Stevens Village	104	April - July
Tanana River at Fairbanks	104	April - July
Tanana River at Nenana	102	April - July
Little Chena River near Fairbanks	105	April - July
Chena River near Two Rivers	106	April - July
Salcha near Salchaket	102	April - July
Sagvanirktok River near Pump Station 3	110	April - July
Kuparuk River near Deadhorse	110	April - July
Kuskokwim River at Crooked Creek	57	April - June
Gulkana River at Sourdough	115	April - July
Little Susitna River near Palmer	107	April - July
Talkeetna River near Talkeetna	102	April - July
Ship Creek near Anchorage	62	April - July
Kenai River at Cooper Landing	78	April - July
Gold Creek near Juneau	100	April - July

Snowmelt Runoff Index (SRI): for streams which no longer have stream gauging stations

FORECAST POINT	INDEX	Index	Key:
Koyukuk River at Hughes.....	+0.6		
MF Koyukuk R near Wiseman	+1.3		
Slate Creek at Coldfoot.....	+1.5		
Beaver Creek above Victoria Creek.....	+0.8		
Birch Creek below South Fork.....	-0.5		
Caribou Creek at Chatanika.....	0.0		
Susitna River near Gold Creek.....	-1.4	-2 to -3	much below average snow-melt runoff
Chulitna River near Talkeetna.....	-2.5		
Deshka River at mouth near Willow.....	-2.5		
Montana Creek at Parks Highway.....	-2.0		
Willow Creek near Willow.....	-0.7	-1 to -2	below average snowmelt runoff
Skwentna River at Skwentna.....	-2.5		
Chuitna River near Tyonek.....	-2.9		
Campbell Creek near Spenard.....	-2.7		
Indian Creek at Indian.....	-3.0	-1 to +1	average snow-melt runoff
Bird Creek at Bird Creek	-3.0		
Glacier Creek nr Girdwood	+2.8		
Six Mile Creek near Hope.....	-2.6		
Resurrection Creek near Hope.....	—	+1 to +2	above average snowmelt runoff
Grouse Ck at Grouse Lake Outlet nr Seward	-2.5		
Anchor River near Anchor Point	-3.0		
Deep Creek near Ninilchik.....	-3.0		
Ninilchik River near Ninilchik.....	-3.0	+2 to +3	much above average snow-melt runoff
Fritz Creek near Homer.....	-3.0		
Skagway River at Skagway.....	+1.7		
Municipal Watershed C nr Petersburg	+1.4		

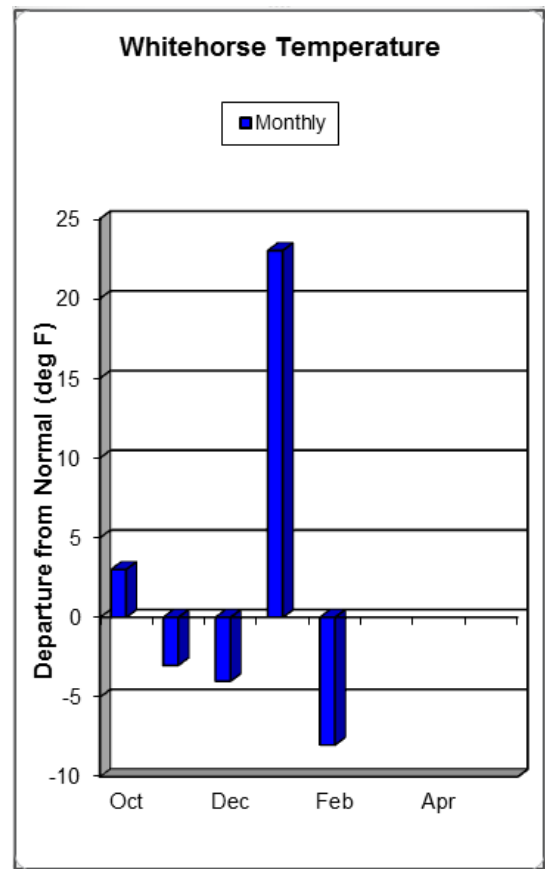
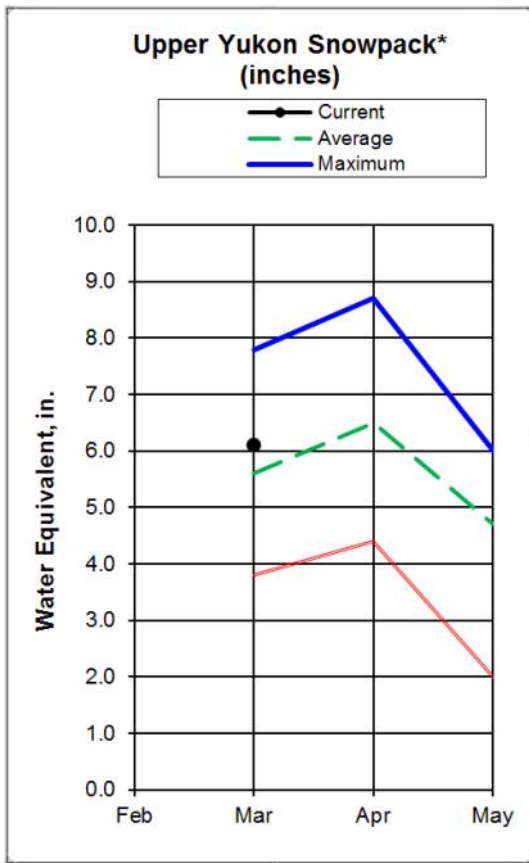
HOW FORECASTS ARE MADE

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

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

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

Upper Yukon Basin



Snow pack

The Upper Yukon basin has normal to above normal snowpacks.

The Dawson area and Pelly –Stewart Basins snowpacks are near normal. The three snow courses measured in the Dawson area average 96%, ranging from 87% at Grizzly Creek to 114% of normal at King Solomon Dome. The Pelly-Stewart basin snowpack averages 103% of normal ranging from 65% of normal at Edwards Lake to 132% at Burns Lake which had 41" of snow and 10.0" of water content

The more southern basins of the White River and the Yukon above Whitehorse are more above normal, 121% and 123% respectively. Chair Mountain was 162% of normal with 24" of snow with 4.8" of water content.

Upper Yukon Basin

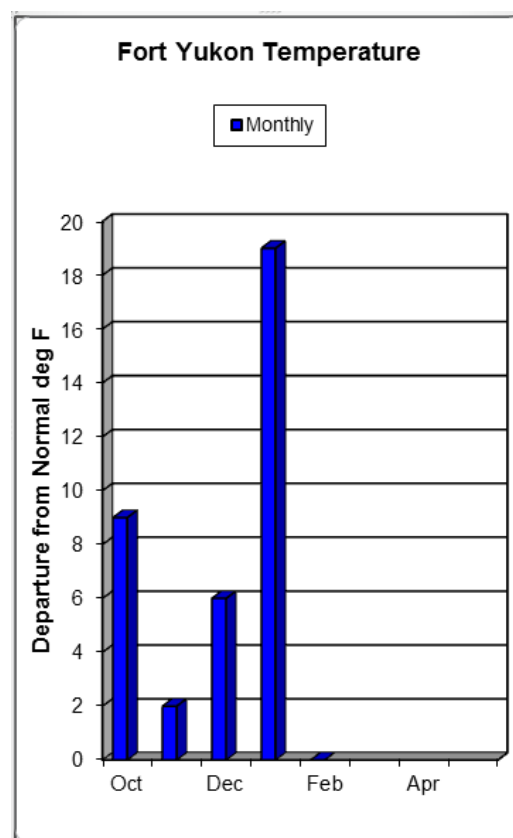
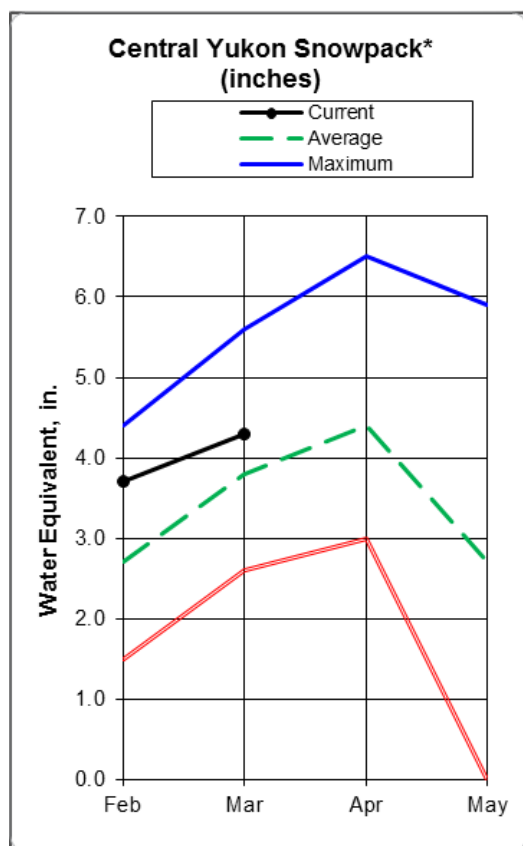
Snowpack Data

Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
ATLIN	2395	<i>No Survey</i>	---	---	18	4.2	---	4.4
BEAVER CREEK	2150	2/27/2014	21	2.9	21	3.6	---	2.9
BURNS LAKE	3650	2/25/2014	41	10	41	10.3	---	7.6
BURWASH AIRSTRIP	2660	2/26/2014	4	0.4	12	1.9	---	1.6
CALUMET	4300	2/28/2014	32	7.5	34	6.2	---	6.7
CASINO CREEK	3495	2/25/2014	27	5.8	24	3.9	---	4.1
CHAIR MOUNTAIN	3500	2/27/2014	24	4.8	23	4.2	---	3.3
EAGLE PLAINS	2330	2/26/2014	26	4.6	30	5.6	---	5.6
EAGLE RIVER	1115	2/26/2014	26	4	31	3.8	---	4.4
EDWARDS LAKE	2720	2/26/2014	24	3.7	32	6.1	---	5.7
FINLAYSON AIRSTRIP	3240	2/25/2014	23	3.9	26	6.2	---	4
FULLER LAKE	3695	2/26/2014	32	7.1	36	6.9	---	6.7
GRIZZLY CREEK	3200	2/27/2014	32	5.3	32	7.2	---	6.1
HOOLE RIVER	3400	2/25/2014	31	5.8	32	7.1	---	4.7
JORDAN LAKE	3050	2/25/2014	30	7	26	5.6	---	5
KING SOLOMON DOME	3540	2/28/2014	33	6.6	36	6.7	---	5.8
LOG CABIN (B.C.)	2900	2/28/2014	39	14	48	14.7	---	13.4
MACINTOSH	3805	2/27/2014	17	2.6	24	4.1	---	3.2
MAYO AIRPORT	1770	2/25/2014	21	4.1	24	5.1	---	3.7
MEADOW CREEK	4050	2/26/2014	46	13	43	10.9	---	9.8
MIDNIGHT DOME	2805	2/25/2014	30	4.5	40	7.6	---	5.2
MONTANA MTN.	3350	2/25/2014	22	5.5	25	5.1	---	5.2
MORLEY LAKE	2700	2/26/2014	29	7.6	24	6.1	---	5.5
MT. BERDOE	3395	2/26/2014	20	4.9	3	5.6	---	3.8
MT. MCINTYRE B	3600	2/28/2014	26	6.7	27	5.3	---	5.3
MT. NANSEN	3350	2/26/2014	18	4.2	24	4	---	2.6
OLD CROW	980	<i>No Survey</i>	---	---	---	---	---	4
PELLY FARM	1550	2/28/2014	16	3.2	20	3.5	---	2.9
PLATA AIRSTRIP	2725	2/26/2014	32	6.9	38	9.4	---	6.4
RACKLA LAKE	3410	2/26/2014	28	4.7	32	6.2	---	6.6
RIFFS RIDGE	2130	2/26/2014	26	4.5	35	5.9	---	4.9
RUSSELL LAKE	3480	2/26/2014	37	7.7	38	8	---	7.3
SATASHA LAKE	3630	2/27/2014	18	3.3	21	4	---	3.5
SUMMIT	985	2/27/2014	23	4.4	27	5.3	---	9.6
TAGISH	3540	2/27/2014	23	5.7	26	4.8	---	5.1
TWIN CREEKS	2950	2/26/2014	34	7.2	39	7.9	---	6.5
WHITEHORSE AIRPORT	2300	2/28/2014	21	4.7	21	3.9	---	3.6
WILLIAMS CREEK	3000	2/27/2014	19	4.7	24	4.1	---	3.2
WITHERS LAKE	3200	2/26/2014	32	7.4	34	6.8	---	7.9

Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Yukon River At Eagle	Apr- Jul	101	116	85	33470	33300

Central Yukon Basin



Snow pack

The Central Yukon Basin snow pack is normal to above normal across most of the basin.

The four measured snow courses on the north side of the White Mountains average 140% of normal. These range from 108% at Stack Pup Snow Course to 163% of normal at Fossil Snow Course. The Upper Nome SNOTEL, in the headwaters of Beaver Creek, has 24 inches of snow and has caught 0.4 inches of precipitation this month and is 200% of normal precipitation since October 1st.

The American Creek SNOTEL site, just outside Eagle, AK, has 16" of snow with 3.2" of water content. The Fort Yukon snow course has 24" of snow and 4.1" of water content or 137% of normal.

Central Yukon Basin

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
AMERICAN CREEK	1050	3/1/2014	16	3.2	17	2.9	---	---
BOREALIS	1330	2/27/2014	25	6.2	21	4.3	23	4
BOUNDARY	3500	<i>No Survey</i>	---	---	22	5.6	22	4.3
CATHEDRAL CREEK	1800	2/26/2014	33	6.9	26	4.1	---	---
CHICKEN AIRSTRIP	1650	<i>No Survey</i>	---	---	19	3.9	16	2.8
CIRCLE CITY	600	<i>No Survey</i>	---	---	---	---	25	3.6
CIRCLE HOT SPRINGS	860	2/26/2014	18	3.1	22	3.5	22	3.6
COAL CREEK	1000	2/26/2014	24	4.9	---	---	---	---
COPPER CREEK	2000	2/26/2014	29	5.9	20	3	---	---
CRESCENT CREEK	2600	2/26/2014	21	4.1	22	3.4	---	---
FORT YUKON	430	2/28/2014	24	4.1	19	2.8	18	3
FOSSIL	1400	2/27/2014	25	6.2	20	4.1	22	3.8
HESS CREEK	1000	2/27/2014	25	5.2	21	4.1	24	4.5
LOST CHICKEN HILL	2150	<i>No Survey</i>	---	---	22	4	18	3.1
MISSION CREEK	900	2/28/2014	12	3	---	---	17	3.5
MT. FAIRPLAY	3100	<i>No Survey</i>	---	---	24	5.1	20	3.8
OLD CROW	980	<i>No Survey</i>	---	---	---	---	---	4
PTARMIGAN CREEK	2270	2/26/2014	26	5	25	4.2	23	3.6
SEVEN MILE	600	2/27/2014	27	5.2	22	4.2	26	4.6
STACK PUP CREEK	1620	2/26/2014	19	4	23	3	23	3.7
STEP MOUNTAIN	2850	2/26/2014	30	6.2	30	4.8	---	---
THIRTY MILE	1350	2/27/2014	34	7.7	21	4	34	7
THREE FINGERS	3350	2/26/2014	38	7.8	30	4.8	---	---
UPPER NOME CREEK	2520	3/1/2014	24	---	25	---	---	---
WINDY GAP	1900	2/26/2014	25	6.2	22	4.4	24	4.8
WOLF	1200	2/26/2014	22	5.2	22	4.3	21	3.6

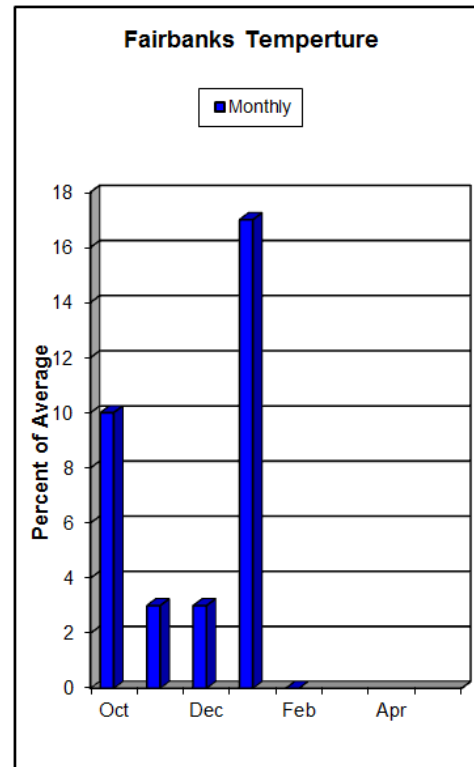
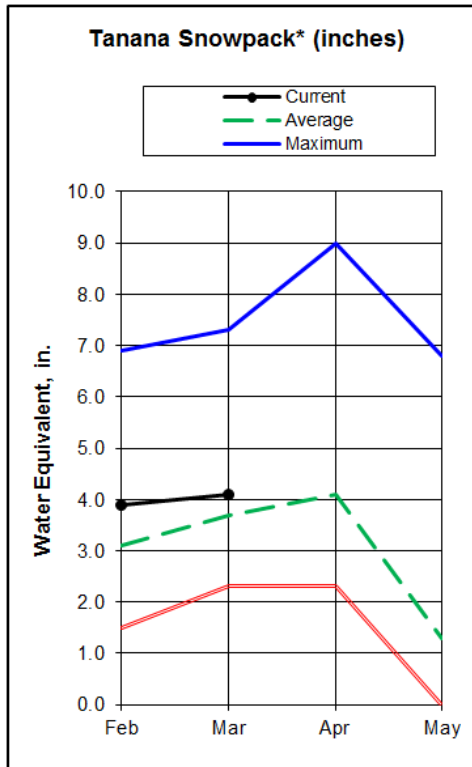
Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Porcupine River near Intl Boundary	Apr-Jul	97	143	65	5450	5640
Yukon River near Stevens Village	Apr- Jul	104	119	88	49800	48100

Precipitation

Site Name	Elev.	Inches Accumulated since October 1st			
		This Year	Last Year	1981-2010 Normal	% of Normal
AMERICAN CREEK	1050	3.9	3.0	---	---
ATIGUN PASS	4800	4.3	3.0	4.8	90%
CHANDALAR CAMP	3300	3.4	2.9	4.5	76%
EAGLE SUMMIT	3650	5.3	4.5	4.7	113%
FORT YUKON	430	4.9	3.0	3.1	158%
UPPER NOME CREEK	2520	8.6	5.0	4.3	200%

Tanana Basin



Snow pack

The upper Tanana Valley continues to have above normal snowpacks and the six snow courses measured averaged 122% of normal. The courses varied from 82% of normal at Paradise Hill snow course to 167% of normal at Tok Junction snow course.

This above normal snowpack continues down valley. The six Delta area snow courses average 117% of normal, ranging from 91% at Granite Creek to 131% at Fielding Lake.

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 Rock Creek Bottom snow course has 18 inches of snow with 3.8 inches of water content or 103% of normal, while on the north side of the valley the Chatanika and Chena Basin averaged 134% and 135% of normal, respectively.

Tanana Basin

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
BONANZA CREEK	1150	2/27/2014	20	4.6	26	4.4	20	3.9
CARIBOU CREEK	1250	2/28/2014	23	5.6	22	4.3	20	3.6
CARIBOU SNOW PILLOW	900	2/28/2014	23	5.0	22	3.9	21	3.6
CHISANA	3320	3/1/2014	17	4.0	16	3.0	---	4.1
EDGAR CREEK	2400	No Survey	---	---	---	---	26	5.1
FIELDING LAKE	3000	3/3/2014	41	11.3	46	11.6	37	8.6
FORT GREELY	1500	2/28/2014	16	3.0	16	2.8	17	3.0
FRENCH CREEK	1800	2/27/2014	23	4.8	25	4.5	24	4.6
GERSTLE RIVER	1200	2/28/2014	18	3.2	14	2.2	18	2.9
GOLD KING	1700	No Survey	---	---	24	4.6	19	3.3
JATAHMUND LAKE	2180	No Survey	---	---	17	3.1	16	2.8
KANTISHNA	1550	2/27/2014	21	4.5	26	4.6	24	4.4
LAKE MINCHUMINA	730	2/27/2014	13	2.4	19	3.3	19	3.4
LOST CREEK	3030	2/27/2014	18	3.8	16	3.1	17	3.0
MENTASTA PASS	2430	3/3/2014	30	7.5	30	7	24	5.1
MONUMENT CREEK	1850	3/1/2014	19	5.4	21	4.6	---	4.0
MT. RYAN	2800	3/1/2014	25	5.5	23	4.5	---	4.4
MUNSON RIDGE	3100	3/1/2014	38	9.3	30	6.8	---	5.9
PARADISE HILL	2200	2/26/2014	14	2.3	20	4	16	2.8
PTARMIGAN AIRSTRIP	2400	No Survey	---	---	20	3.8	17	2.9
ROCK CREEK BOTTOM	2250	2/28/2014	18	3.8	---	---	20	3.7
ROCK CREEK RIDGE	2600	2/28/2014	15	4.2	---	---	18	3.6
SHAW CREEK FLATS	980	2/27/2014	19	3.2	18	3.2	14	2.5
TEUCHET CREEK	1640	3/1/2014	18	4.2	21	3.4	---	3.3
TOK JUNCTION	1650	3/3/2014	26	5.0	22	3.7	18	3.0
UPPER WOOD RIVER	2990	No Survey	---	---	24	4.8	21	4.0

*Estimates

Streamflow Forecasts

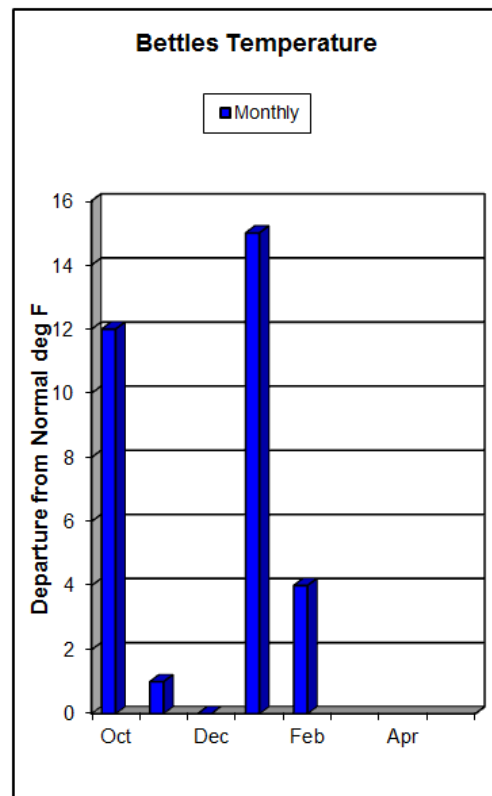
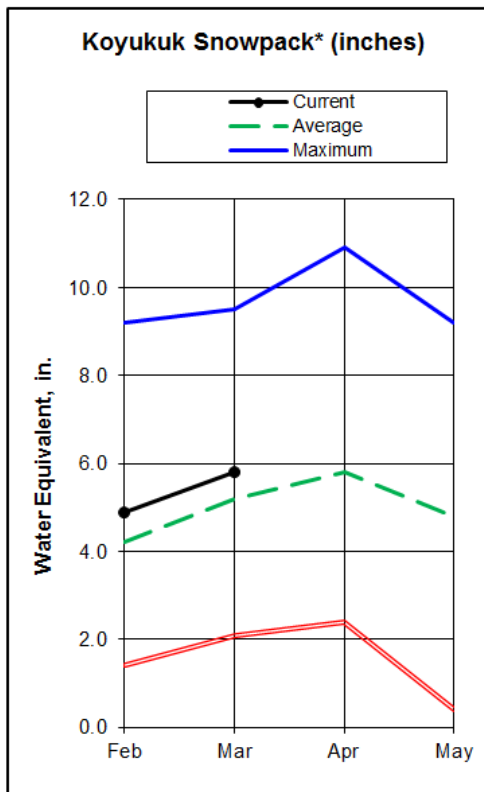
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Salcha River near Salchaket	Apr- Jul	102	141	70	640	625
Tanana River at Fairbanks	Apr- Jul	104	118	91	7770	7460
Chena River near Two Rivers	Apr-Jul	106	148	62	285	270
Little Chena River near Fairbanks	Apr-Jul	105	142	67	82	78
Tanana River at Nenana	Apr- Jul	102	116	89	9210	9000

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
CHISANA	3320	4.7	3.2	---	---
FAIRBANKS F.O.	450	4.7	3.8	4.0	118%
GRANITE CRK	1240	3.7	3.3	3.6	103%
KANTISHNA	1550	6.2	5.2	3.8	163%
LITTLE CHENA RIDGE	2000	4.5	3.6	4.8	94%
NENANA	415	3.8	4.9	---	---
TOK	1630	4.9	2.8	---	---
UPPER CHENA	2850	10.2	6.8	5.9	173%

Western Interior Basins



Snow pack

Koyukuk

The upper Koyukuk Basin remains much above normal with the sites closer to the Brooks Range being the highest. Coldfoot SNOTEL site reports 29" of snow and 7.3" of water content or 138% of normal.

This above normal snowpack lightens down basin which is displayed at Bettles which has 96% of normal snowpack with 28" of snow with 5.4" of SWE. This trend continues further down basin until the snowpack is below normal. Though, though the lower basin still has more snow than it did last year.

Kuskokwim

The lower elevation sites and the southern Kuskokwim drainages have little to no snow. Telaquana Lake snow course had no recordable snow for the second straight month. Similarly, the Aniak SCAN site reported only 1 inch of snow at the site.

The northern basin had a better snowpack, though still below normal. Lake Minichumina, at the headwaters had 13" of snow with 2.4" of water content which is 71% of normal. The NWS site at McGrath reported 16" of snow with an estimated water content of 3.2" or 60% of normal.

Lower Yukon

The Aerial Markers in the Nowitna National Wildlife Refuge showed little change in snowpack since last month

Western Interior Basins

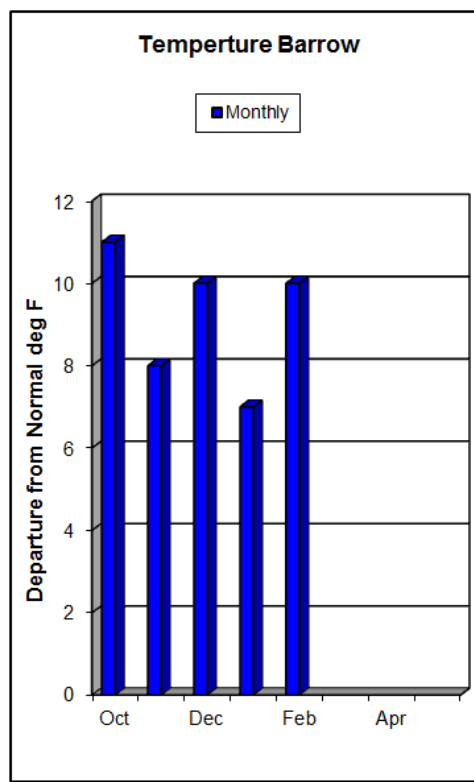
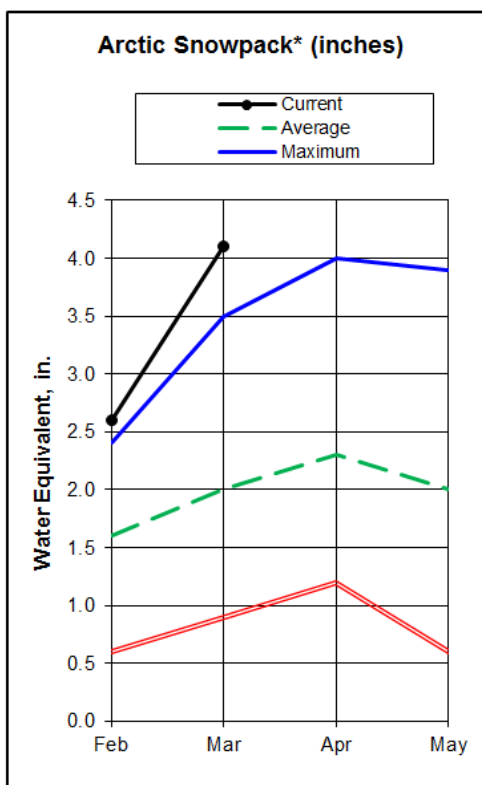
Snowpack Data

Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Con- tent	Snow Depth	Water Con- tent	Snow Depth	Water Con- tent
Koyukuk								
BETTLES FIELD	640	3/1/2014	28	5.4	16	3.2	---	5.6
BONANZA FORKS	1200	2/27/2014	24	5.7	16	3	26	4.8
CLOVERLEAF	170	2/27/2014	21	4.4	20	3	---	---
COLDFOOT	1040	3/1/2014	29	7.3	12	2.3	---	5.3
COLVILLE BEND	170	2/27/2014	24	4.7	21	4	---	---
DISASTER CREEK	1550	2/28/2014	22	4.2	11	2.2	22	3.2
GOBBLERS KNOB	2030	No Survey	11	---	0	---	---	---
HUGGINS CREEK	290	2/27/2014	32	7.4	19	3.3	---	---
JR SLOUGH	160	2/27/2014	21	4.9	27	5.1	---	---
KALDOYEIT	750	No Survey	---	---	20	3.8	20	3.7
KANUTI CHALATNA	670	No Survey	---	---	18	3.1	28	5.2
KANUTI KILOLITNA	550	No Survey	---	---	15	2.5	21	4
LAKE TODATONTEN	550	No Survey	---	---	---	---	28	5
MINNKOKUT	580	No Survey	---	---	21	3.4	32	5.7
NOLITNA	560	No Survey	---	---	17	3.3	28	5
TABLE MOUNTAIN	2200	2/28/2014	24	4.8	11	2.1	21	3.3
TAIHOLMAN	540	No Survey	---	---	4	0.6	4	0.8
TREAT ISLAND	190	2/27/2014	21	4.4	12	2.4	---	---
Kuskokwim								
ANIAK	80	No Survey	1	---	24	---	---	---
HOLOKUK RIVER	367	3/3/2014	0	0	---	---	---	---
MCGRATH	340	3/1/2014	16	3.2	41	8.2	27	5.4
MIDDLE KUSKOWIM	297	No Survey	---	---	22	5	---	---
N. FORK KUSKOKWIM	512	2/28/2014	23	6.6	26	6.7	---	---
NIXON FORK KUSKOKWIM	508	3/3/2014	21	6	29	6.9	---	---
PURKEYPILE MINE	2025	2/27/2014	23	4.1	12	2.1	24	4.6
TELAQUANA LAKE	1550	3/1/2014	0	0	18	4	22	4.4
Lower Yukon								
DEER CREEK	195	2/27/2014	23	5.7	24	4	---	---
GROUCH CREEK	220	No Survey	---	---	44	8.5	31	7
HOLIKACHUK	100	No Survey	---	---	43	8.2	34	7.6
HORSEFLY CREEK	180	No Survey	---	---	38	7.5	27	5.6
INNOKO INN	200	No Survey	---	---	21	4.5	---	---
LITTLE MUD RIVER	855	2/27/2014	13	2.6	19	3.6	---	---
LOWER NOWITNA RIVER	205	2/27/2014	21	3.6	21	4	---	---
MENOTL CREEK	380	No Survey	---	---	---	---	44	8.6
MIDDLE INNOKO	150	No Survey	---	---	40	7.7	32	6.5
NINEMILE ISLAND	140	2/27/2014	31	6.2	27	4.7	---	---
PIKE TRAP LAKE	130	2/27/2014	11	2.3	17	2.8	---	---
SQUIRREL CREEK	150	2/27/2014	30	7.9	31	6	---	---
TOZIKAKET	600	No Survey	---	---	---	---	20	3.6
UPPER INNOKO	180	No Survey	---	---	31	5.8	33	7.2
WAPOO HILLS	220	No Survey	---	---	42	9.2	33	6.8
YANKEE SLOUGH	100	No Survey	---	---	37	7.5	38	8.4
YETNA RIVER	120	No Survey	---	---	---	7.4	27	5.5

Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Kuskokwim River at Crooked Creek	Apr-Jun	57	88	26	6000	10500

Arctic and Kotzebue Sound



Snow pack

Arctic

The Arctic snowpack remains above normal this month and is similar to last year. The Umiat Airfield snow measurement site had 16" of snow with a water content of 4.0".

Kotzebue

Kotzebue Sound continues to have low snowpacks. The northern Seward peninsula is reported to have 4-8" of snow.

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
IMNAVIAT CREEK	3050	<i>No Survey</i>	25	---	25	---	---	---
KELLY STATION	310	3/1/2014	19	3.5	9	1.3	---	---
PRUDHOE BAY	30	<i>No Survey</i>	23	---	6	---	---	---
SAGWON	1000	<i>No Survey</i>	19	---	19	---	---	---
UMIAT AIRFIELD	267	3/1/2014	16	4	---	---	---	---
UMIAT MET	660	3/1/2014	25	6.9	---	---	---	---

Streamflow Forecasts

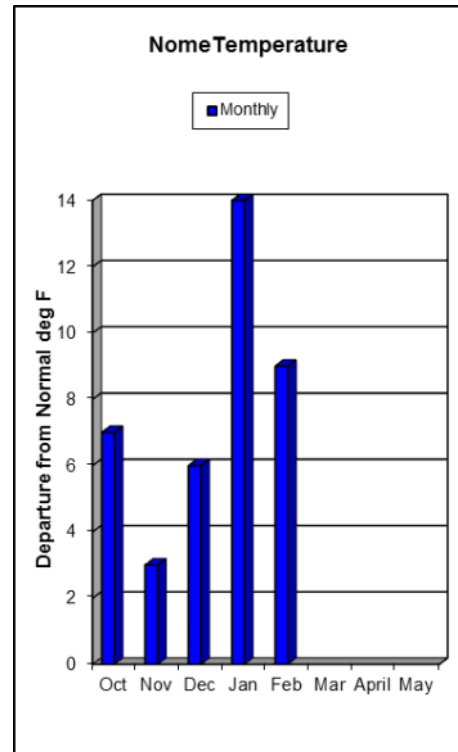
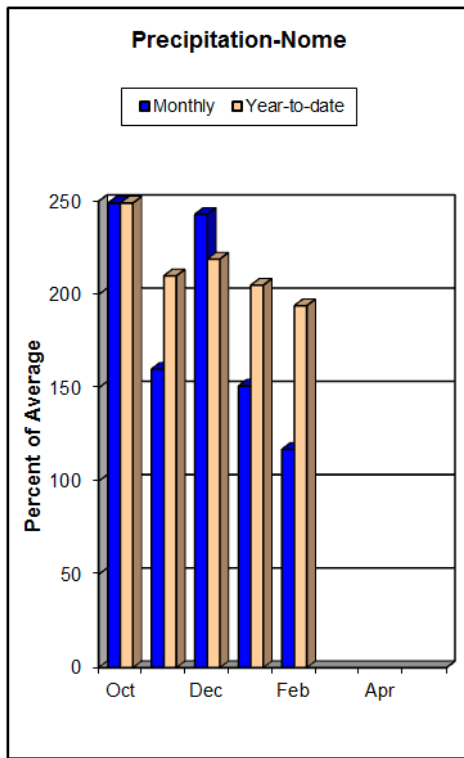
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Kuparuk River near Deadhorse	Apr-Jul	110	141	80	875	796
	May-Jul	114	162	81	910	795
Sagavanirktok River near Pump Station 3	Apr-Jul	110	131	89	750	684
	May-Jul	118	176	80	805	683

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Arctic					
ATIGUN CAMP	3400	2.6	3.4	2.5	84%
ATIGUN PASS	4800	4.3	3.0	4.8	90%
BARROW	25	1.3	1.6	---	---
IMNAVIAT CREEK	3050	3.0	2.4	2.6	115%
PRUDHOE BAY	30	2.1	1.7	2.6	81%
SAGWON	1000	2.8	2.7	2.6	108%
Kotzebue Sound					
Port Red Dog	50	4.3	3.4	3.5	123%
Red Dog Mine	950	8.5	5.9	4.3	198%
KELLY STATION	310	10.4	2.2	---	---

Norton Sound/Y-K Delta/Bristol Bay



Snow pack

Norton Sound

The Norton Sound area received mixed precipitation this month. Nome received above normal, but further to the east, Rocky Point SNOTEL was below normal for the month. Both sites are about twice normal for water year precipitation. Snowpack remains below normal in the area with patches of open tundra.

Yukon Kuskokwim Delta

Snowpack remains low in the Y-K Delta. The NWS site at Bethel is reporting zero snow on the ground, however the new Kanaryagak SCAN site, 17 miles southeast of Chevak, reports 6" of snow on the ground, up from 1" last month.

Bristol Bay

Snow remains at a minimal level 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 59 inches of snow last year at this time and this year it has five.

Norton Sound/Y-K Delta/Bristol Bay

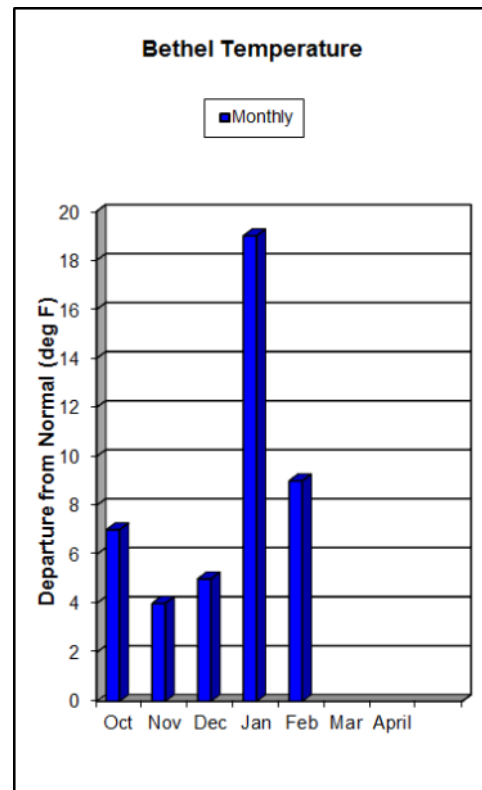
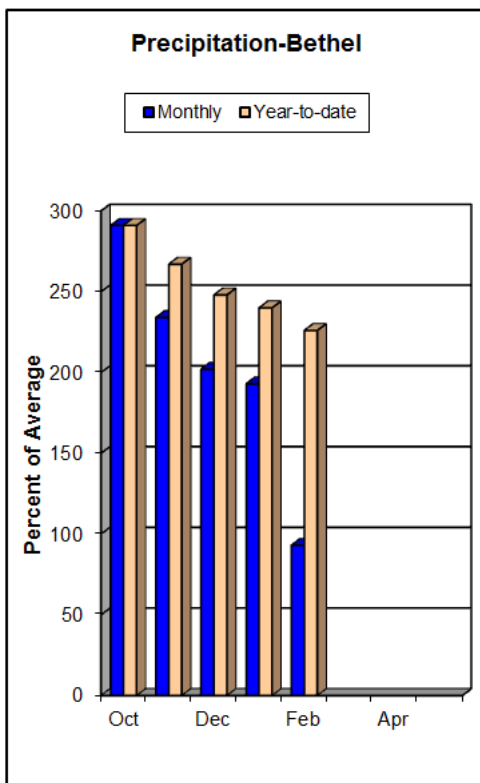
Snowpack Data

Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Con- tent	Snow Depth	Water Con- tent	Snow Depth	Water Con- tent
Bristol Bay								
BROOKS CAMP	150	2/26/2014	0	0	13	2.3	---	---
FISHTRAP LAKE	1800	No Survey	---	---	33	7.9	40	9.5
PORT ALSWORTH	270	3/3/2014	0	0	12	2.6	18	3.6
THREE FORKS	1300	2/26/2014	0	0	9	1.5	---	---
UPPER TWIN LAKES	2000	No Survey	---	0	16	3	27	6.4
Norton Sound								
JOHNSON'S CAMP	25	No Survey	---	---	8	---	---	---
PARGON CREEK	100	No Survey	3	0.5*	7	---	---	---
ROCKY POINT	250	No Survey	4	1.9*	22	---	---	---

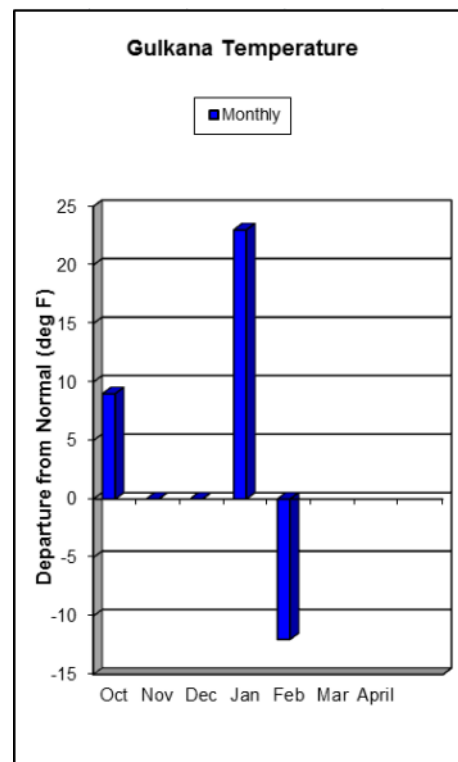
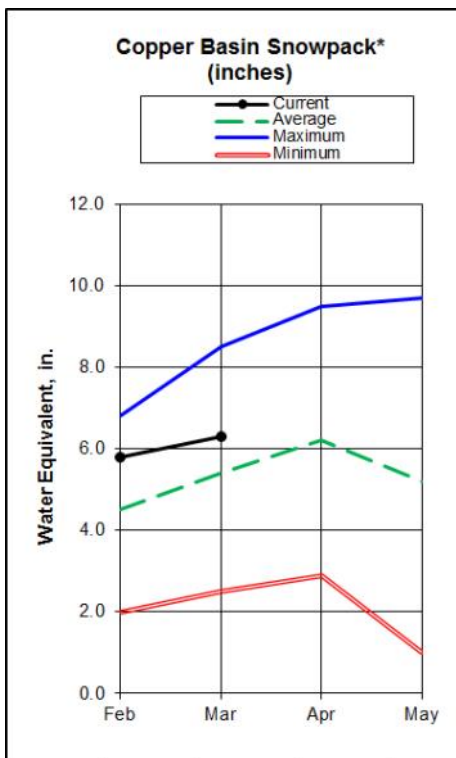
*Estimate

Precipitation

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Bristol Bay					
LOWER MULCHATNA	320	11.9	New Site	---	---
Naknek River	100	13.7	New Site	---	---
WEARY LAKE	100	42.1	New Site	---	---
Norton Sound					
PARGON CREEK	100	8.4	4.0	5.1	165%
ROCKY POINT	250	8.1	2.8	4.8	169%
Yukon - Kuskokwim Delta					
Kanaryagak Camp	13	8.9	New Site	---	---



Copper Basin



Snow pack

The snowpack in the Copper River Basin remains above normal. The southern snow courses in the Chugach Range were closest to normal and the northern sites in Alaska Range the most above normal.

In the Chugach, Worthington Glacier and Tsaina River were some of the only sites in the Copper Valley to be measured below normal. Worthington Glacier had 43" of snow with 18.8" of water content which is 87% of normal.

The basin floor sites averaged 122% of normal, ranging from 151% at Kenney Lake to 89% at Little Nelchina, the only below normal site in the group. The snowpack starts to taper off further west, where in the Talkeetna Range, Sheep Mountain and Horsepasture Pass both were near normal.

The snow courses near the Alaska Range averaged 128% of normal. Fielding Lake, just north of Isabella Pass, had 41" of snow and 11.3" of water content or 131% of normal while the snow course at Mentasta Pass was 147% of normal with 30" of snow and 7.5" of water content. This is the third year in a row that the Alaska Range sites have been much above normal.

Copper Basin

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
CHISTOCHINA	1950	3/3/2014	20	4.4	20	3.6	20	3.2
CHOKOSNA	1550	2/26/2014	20	4.5	15	3.3	16	3.2
COPPER CENTER	1260	2/28/2014	21	5	---	---	---	---
DADINA LAKE	2160	2/28/2014	28	6.3	23	3.5	27	5.4
FIELDING LAKE	3000	3/3/2014	41	11.3	46	11.6	37	8.6
HAGGARD CREEK	2540	3/3/2014	26	6	31	6.4	26	5.2
KENNY LAKE SCHOOL	1300	2/27/2014	21	4.5	15	2.5	17	3
LITTLE NELCHINA	2650	2/27/2014	23	4.2	20	3.3	24	4.7
LONG GLACIER	4820	2/26/2014	35	8.4	---	---	---	---
MAY CREEK	1610	3/1/2014	21	5.8	23	4.4	---	4.6
MENTASTA PASS	2430	3/3/2014	30	7.5	30	7	24	5.1
MONSOON LAKE	3100	2/28/2014	29	5.5	28	5.6	28	5.4
NOTCH	2643	2/26/2014	22	5	---	---	---	---
PAXSON	2650	3/3/2014	31	7.6	36	8.8	30	5.9
SANFORD RIVER	2280	2/28/2014	26	5.3	21	3.4	28	5.2
ST. ANNE LAKE	1990	2/28/2014	27	5.5	17	2.7	23	4.2
TAZLINA	1250	2/27/2014	19	4.7	15	2.8	16	3.4
TEBAY LAKE	1930	2/26/2014	47	14.1	---	---	---	---
TOLSONA CREEK	2000	2/27/2014	24	5.1	18	2.8	20	3.8
TSAINA RIVER	1650	3/3/2014	45	14.2	43	9.5	53	14.1
TWIN LAKES	2400	No Survey	---	---	18	2.7	28	5.6
UPPER TSAINA RIVER	1750		48	15.9	50	11.9	---	16.3
WORTHINGTON GLACIER	2100	3/3/2014	43	18.8	63	16.3	69	21

Streamflow Forecasts

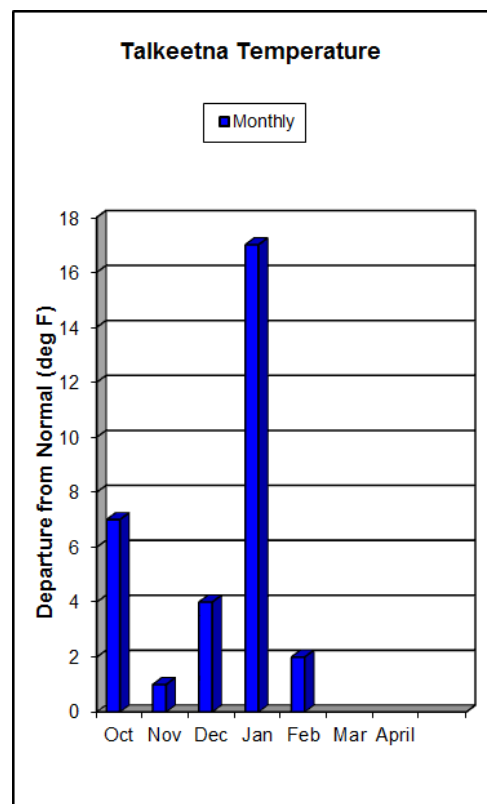
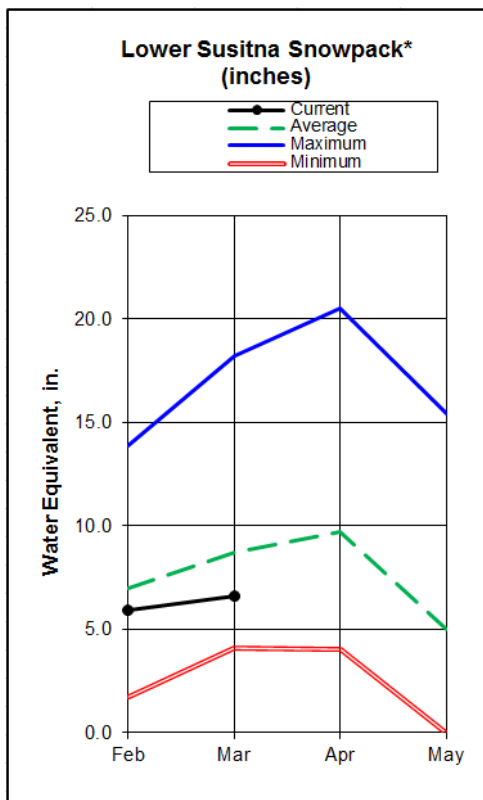
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Gulkana River at Sourdough	Apr- Jul	115	152	77	505	440

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
MAY CREEK	1610	8.7	5.8	5.5	158%
UPPER TSAINA RIVER	1750	31.4	19.7	24.1	130%

Matanuska—Susitna Basin



Snow pack

The Susitna Basin is slightly below normal with the lower snowpack being more below normal and the upper elevation snowpack being lightly above normal.

The lower Susitna Basin snow courses average 84% of normal. Snow courses on the western half of this area have less snow as characterized by Skwentna snow course which has 25" of snow and 6.5" of water content which is 61% of normal. Snow courses on the east side are closer to normal and the Willow Airstrip and Su Valley High sites being above normal.

The Upper Susitna Basin is near normal. Snow courses on the eastern side of the Talkeetna Range are more above normal than those on the western side. Snow courses on the southern side of the Talkeetna Range are also above normal. The four snow courses in the upper Little Susitna basin average 114% of normal.

The Independence Mine SNOTEL site received only 0.1" of precipitation during February, 7% of normal, but the site remains 172% or normal for the water year. There is 54" and 15.6" of water content at the site.

Matanuska—Susitna Basin

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
ALEXANDER LAKE	160	2/26/2014	25	7.6	40	9.2	44	11
ARCHANGEL ROAD	2200	2/27/2014	35	10.6	49	13.6	42	11.7
BLUEBERRY HILL	1200	2/27/2014	33	10.1	45	12.1	45	12.8
CHELATNA LAKE	1450	3/1/2014	12	4.1	49	11.8	44	10
CLEARWATER LAKE	2650	2/28/2014	24	4.5	28	5.3	26	4.7
CURTIS LAKE	2850	2/28/2014	20	4	30	5.4	21	4
DENALI VIEW	700	2/27/2014	24	8.3	39	9.9	38	10.9
DUNKLE HILLS	2700	3/1/2014	44	15.9	30	7	---	---
DUTCH HILLS	3100	3/1/2014	70	23.7	43	10.3	74	22.1
E. FORK CHULITNA	1770	2/27/2014	40	11	39	9.8	46	11.2
FISHHOOK BASIN	3300	2/27/2014	56	18	58	15.4	53	15.6
FOG LAKES	2120	2/28/2014	23	4.5	25	4.8	22	4.3
HALFWAY SLOUGH	350	<i>No Survey</i>	14	4.3	28	6.7	---	---
HORSEPASTURE PASS	4300	2/28/2014	26	5.6	25	4.5	28	5.5
INDEPENDENCE MINE	3550	2/27/2014	64	22	64	19.2	62	18.6
INDEPENDENCE MINE	3550	3/1/2014	54	15.6	50	13.4		10.2
LAKE LOUISE	2400	2/27/2014	25	4.2	23	3.8	21	3.8
LITTLE SUSITNA	1700	2/27/2014	33	9.3	42	10.7	37	9.7
MONAHAN FLAT	2710	<i>No Survey</i>	25		27	---	---	---
NUGGET BENCH	2010	3/1/2014	29	7.7	47	12.7	48	13.1
POINT MACKENZIE	200	<i>No Survey</i>	---	---	---	---	22	4.5
POINT MACKENZIE	250	3/1/2014	15	4.4	20	4.5	---	4.7
RAMSDYKE CREEK	2220	3/1/2014	45	14.6	72	22	62	18.6
SKWENTNA	160	2/26/2014	25	6.5	34	7.6	42	10.6
SQUARE LAKE	2950	2/28/2014	23	4.6	24	4.2	21	3.5
SUSITNA VALLEY HIGH	375	3/1/2014	21	7.8	30	6.3	---	7.2
TALKEETNA	350	2/27/2014	16	5.1	29	7.2	28	6.2
TOKOSITNA VALLEY	850	3/1/2014	29	8.3	52	13.1	---	10.4
TYONE RIVER	2400	<i>No Survey</i>	---	---	---	---	24	4.4
UPPER OSHETNA RIVER	3150	2/28/2014	21	3.7	27	5.4	20	4
UPPER SANONA CREEK	3100	2/28/2014	30	5.6	33	6.8	27	5
WILLOW AIRSTRIP	200	2/27/2014	24	7.1	31	7.4	27	5.7

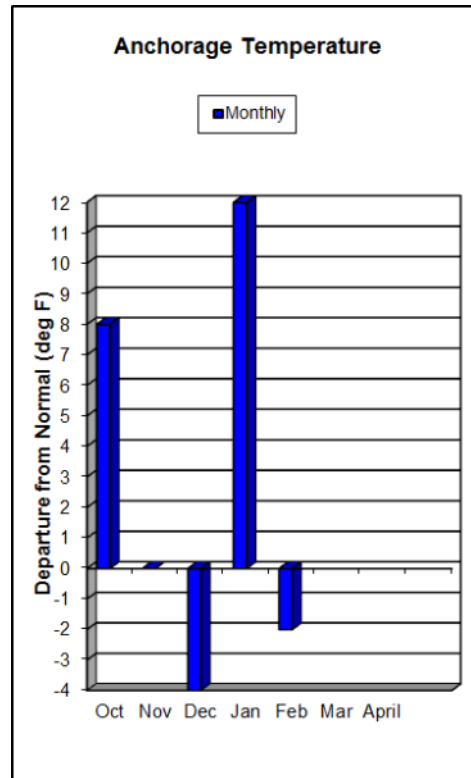
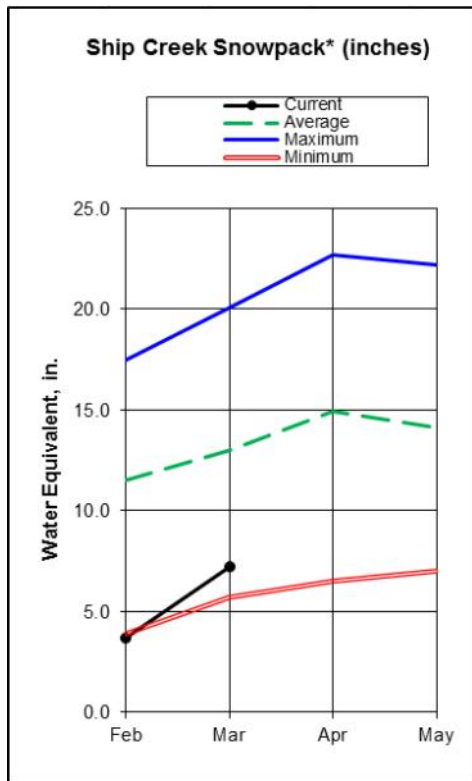
Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Little Susitna River near Palmer	Apr-Jul	107	140	74	88	82
Talkeetna River near Talkeetna	Apr-Jul	102	120	84	1600	1570

Precipitation

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
INDEPENDENCE MINE	3550	22.9	19.2	13.3	172%
MONAHAN FLAT	2710	6.5	7.7	7.0	93%
SUSITNA VALLEY HIGH	375	18.7	10.9	10.5	178%
TOKOSITNA VALLEY	850	27.1	17.1	17.1	158%

Northern Cook Inlet



Snow pack

Snow Conditions in Northern Cook Inlet remain below to much below normal. Precipitation was below normal for the month, but the precipitation mainly came as snow instead of rain. Precipitation is now near normal for the water year, but the snow pack remains about half normal, ranging from a high of 82% of normal at Arctic Valley #2 to a low of 31% at Moraine SNOTEL site above Eklutna Reservoir.

The Anchorage Hillside SNOTEL site received 0.8" of precipitation for the month of February or 41% of normal. The snowpack at the site is 15" deep with 3.7" of water content, 45% of normal.

Portage Valley Snow Course which had no snow last month now has 16" of snow with 5.2" of water, 47% of normal.

Northern Cook Inlet

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
ANCHORAGE HILLSIDE	2080	3/1/2014	15	3.7	29	7.2		8.3
ARCTIC SKI BOWL	3000	2/27/2014	19	5.4	27	7.7	35	10.8
ARCTIC VALLEY #1	500	2/27/2014	12	2.9	13	4.3	18	4
ARCTIC VALLEY #2	1000	2/27/2014	14	3.7	15	3.6	22	4.5
ARCTIC VALLEY #3	1450	2/27/2014	15	4.5	24	4.7	28	6.7
ARCTIC VALLEY #4	2030	2/27/2014	13	3.9	23	5.1	28	6.4
CHUITNA PLATEAU	1540	2/26/2014	33	9.5	57	13.7	69	25.8
CONGAHBUNA LAKE	550	2/26/2014	13	3.9	40	9.4	34	9
GRANITE POINT	250	2/26/2014	1	0.2	17	3.9	20	4.7
INDIAN PASS	2350	3/1/2014	38	10.5	78	20.1	---	19.3
KINKAID PARK	250	2/27/2014	11	3	16	3.8	17	3.9
LONE RIDGE	1675	2/26/2014	42	12.8	---	---	76	29
MORaine	2100	3/1/2014	7	2.1	23	4.8	---	6.8
MT. ALYESKA	1540	3/1/2014	26	9.3	105	28.7	---	26.6
POINT MACKENZIE	250	3/1/2014	15	4.4	20	4.5	---	4.7
PORTAGE VALLEY	50	3/3/2014	16	5.2	45	12.8	36	11
SOUTH CAMPBELL CREEK	1200	2/27/2014	13	3.1	15	2.7	24	5.8
PORTAGE VALLEY	50	1/31/2014	0	0	20	6	26	8.4
SOUTH CAMPBELL CREEK	1200	1/31/2014	4	1	6	0.6	20	4.7

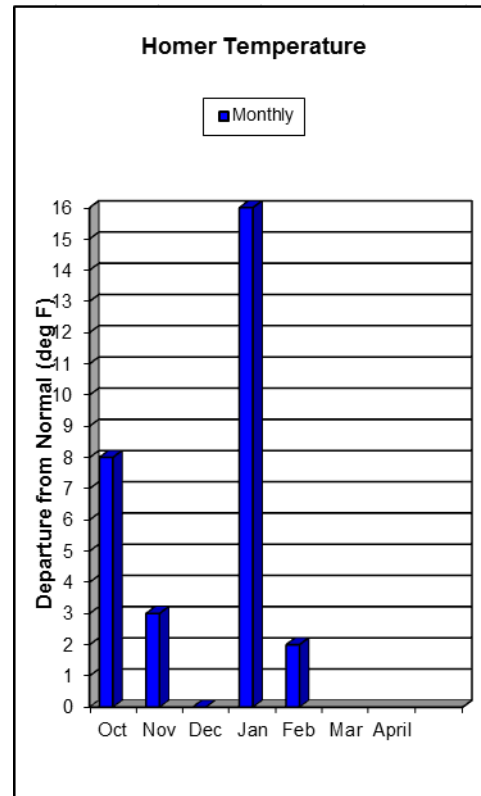
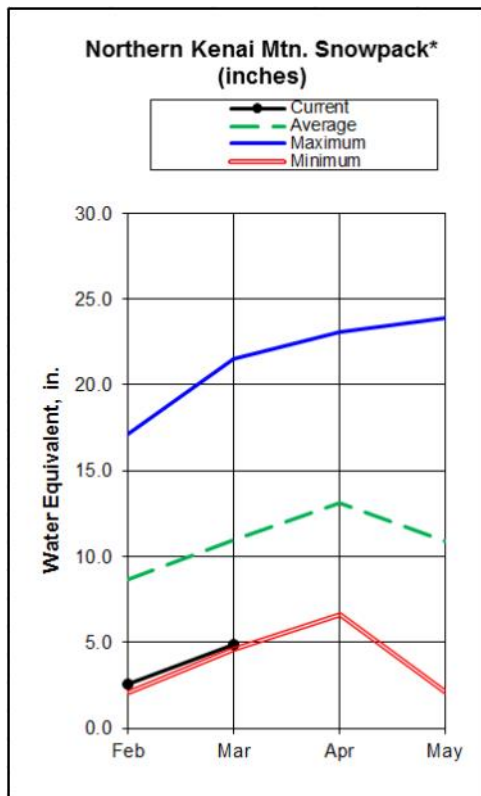
Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Ship Creek near Anchorage	Apr- Jul	62	86	38	36	58

Precipitation

Site Name	Elev.	Inches Accumulated since October 1st			
		This Year	Last Year	1981-2010 Normal	% of Normal
ANCHORAGE HILLSIDE	2080	13.2	12.1	11.9	111%
INDIAN PASS	2350	23.3	30.5	22.0	106%
MORaine	2100	8.0	7.9	10.1	79%
MT. ALYESKA	1540	36.0	36.7	39.9	90%
POINT MACKENZIE	250	11.9	8.2	7.2	165%

Kenai Peninsula



Snow pack

The whole Kenai Peninsula snowpack remains below to much below normal. The twelve sites in the area average 41% of normal. These ranged from 54% of normal at Kenai Summit snow course with 35" of snow and 6.6" of water content to Snug Harbor road, which had no measurable snow, the first time the site was without snow in March since 2003. Normal snowpack there for this time of year is 17" of snow with 5.2" of water content.

The snow courses near Homer average 36% of normal, about the same as last month. Anchor River Divide SNOTEL site received 0.9" of precipitation for the month or 15.5 inches of precipitation for the water year, 108% of normal. Bridge Creek snow course has 7" of snow with 2.2" of water, 23" of normal

South, across Kachemak Bay, the snowpack remains dismal. Port Graham SNOTEL site at 300' above sea level actually has more snow than Nuka Glacier SNOTEL at 1250' elevation! Port Graham has 9" of snow with 4.3" of water content (64% of normal) while Nuka Glacier has 5" with an estimated 2.1" of water content or 7% of normal snowpack.

Kenai Peninsula

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
ANCHOR RIVER DIVIDE	1653	3/1/2014	15	6.2	47	13.2	---	10.1
BERTHA CREEK	950	2/26/2014	26	7.1	68	16.5	47	14.7
BRIDGE CREEK	1300	2/28/2014	7	2.2	40	10.9	34	9.6
COOPER LAKE	1200	3/1/2014	12	4.2	53	14.4	---	13.1
DEMONSTRATION FOREST	780	2/28/2014	8	2.4	29	8.7	23	6.6
EAGLE LAKE	1400	2/28/2014	11	3.3	47	12.1	40	10.4
EXIT GLACIER	400	2/28/2014	20	7.4	59	17.1	48	15.9
EXIT GLACIER	400	3/1/2014	20	7.4	58	14.5	---	15.9
GRANDVIEW	1100	3/1/2014	25	7.3	109	29.3	---	26.5
GROUSE CREEK DIVIDE	700	3/1/2014	17	6.8	54	17.3	---	14.6
JEAN LAKE	620	3/3/2014	3	0.8	14	3.1	14	3.2
KACHEMAK CREEK	1660	3/1/2014	1	0.3	54	15.1	---	---
KENAI MOOSE PENS	300	3/1/2014	7	2.6	18	3.8	---	4
KENAI SUMMIT	1390	2/26/2014	25	6.6	59	13.9	45	12.3
MCNEIL CANYON	1320	2/28/2014	5	1.5	---	---	---	---
MCNEIL CANYON	1320	3/1/2014	6	2.4	37	10.5	---	9
MIDDLE FORK BRADLEY	2300	No Survey	11	---	59	---	---	---
MOOSE PASS	700	2/26/2014	4	1.1	32	8.1	20	6
MT. ALYESKA	1540	3/1/2014	26	9.3	105	28.7	---	26.6
NUKA GLACIER	1250	3/1/2014	5	2.1	98	26.8	74	28.8
PASS CREEK	1200	No Survey	---	---	29	6	30	7.5
PORT GRAHAM	300	3/1/2014	9	4.3	37	8.2	---	6.7
PORTAGE VALLEY	50	3/3/2014	16	5.2	45	12.8	36	11
RESURRECTION PASS	2250	No Survey	---	---	---	---	36	10.1
SNUG HARBOR ROAD	500	3/3/2014	0	0	17	4.1	17	5.2
SUMMIT CREEK	1400	3/1/2014	18	5	42	10.3	---	10
TURNAGAIN PASS	1880	3/1/2014	42	13.5	113	26.7	---	27.9

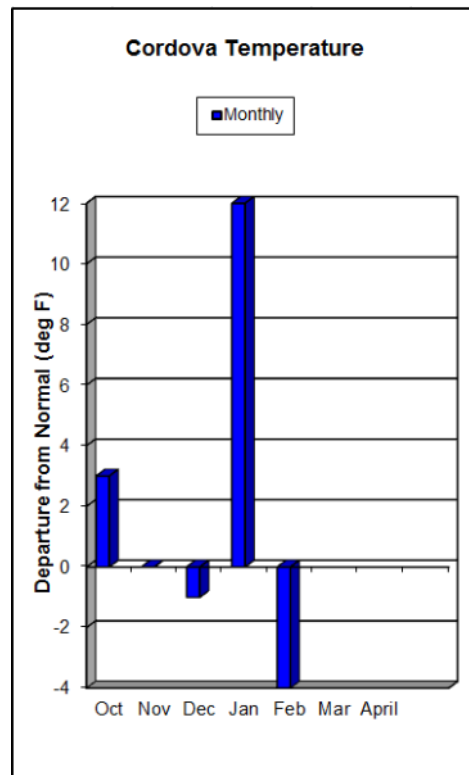
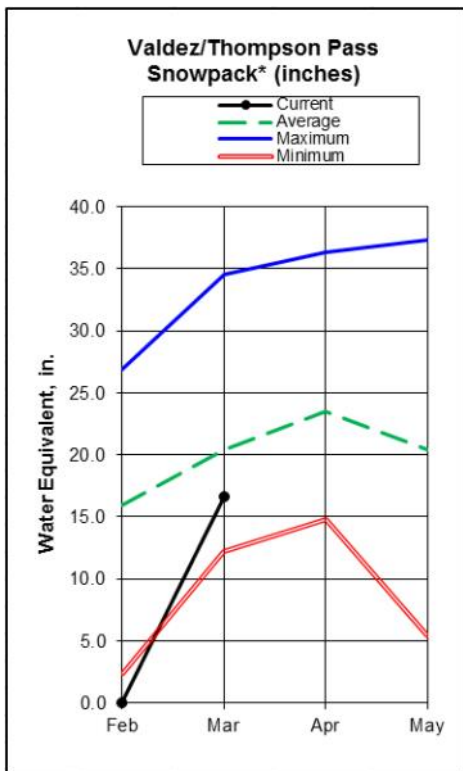
Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Kenai River at Cooper Landing	Apr-Jul	78	91	65	750	960

Precipitation

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
ANCHOR RIVER DIVIDE	1653	15.5	19.0	14.4	108%
COOPER LAKE	1200	23.1	18.7	22.9	101%
GRANDVIEW	1100	29.7	28.9	34.8	85%
GROUSE CREEK DIVIDE	700	31.2	24.7	33.3	94%
KACHEMAK CREEK	1660	43.0	28.3	34.7	124%
KENAI MOOSE PENS	300	9.0	8.4	7.3	123%
MCNEIL CANYON	1320	11.8	14.2	14.9	79%
MIDDLE FORK BRADLEY	2300	30.4	17.2	29.0	105%
NUKA GLACIER	1250	51.4	37.4	48.2	107%
PORT GRAHAM	300	44.1	32.5	43.5	101%
SUMMIT CREEK	1400	17.0	15.0	14.0	121%
TURNAGAIN PASS	1880	29.7	31.5	34.3	87%

Western Gulf



Snow pack

The Western Gulf of Alaska area continues to have normal to much below normal snowpack conditions. Mt Eyak SNOTEL, above Cordova, has 29% of normal snowpack: 19 inches of snow with 6.3" of water content, 2.4" more than last month, but less than the 34" and 7.9" of water content it had on January 1st.

The Sugarloaf snow course is 92% of normal with 51 inches of snow and 19.4 inches of water content. Up at Thompson Pass, the Worthington Glacier snow course has 43" of snow with 18.8 inches of water content, 87% of normal. Further west, on the other side of Prince William Sound, the Exit Glacier SNOTEL site has 20 inches of snow with 7.4 inches of water content which is 47% of normal.

Western Gulf

Snowpack Data

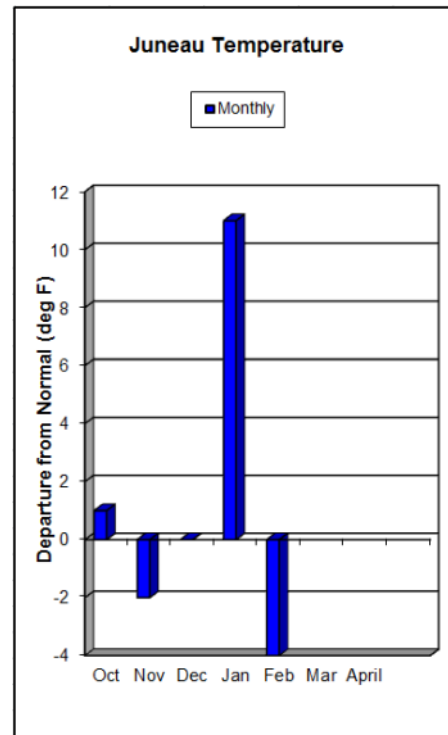
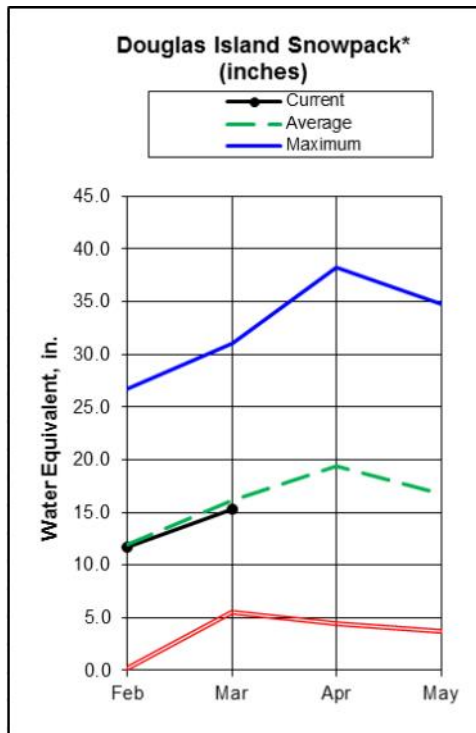
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
EXIT GLACIER	400	2/28/2014	20	7.4	59	17.1	48	15.9
GROUSE CREEK DIVIDE	700	3/1/2014	17	6.8	54	17.3	---	14.6
LOWE RIVER	600	3/3/2014	40	14.8	52	14.9	50	14.8
MT. EYAK	1405	3/1/2014	19	6.3	93	31.1	---	22.1
NUKA GLACIER	1250	3/1/2014	5	2.1	98	26.8	74	28.8
SUGARLOAF MOUNTAIN	550	3/4/2014	51	19.4	76	21.2	70	21.1
TSAINA RIVER	1650	3/3/2014	45	14.2	43	9.5	53	14.1
UPPER TSAINA RIVER	1750	3/1/2014	48	15.9	50	11.9	---	16.3
VALDEZ	50	3/4/2014	38	13.2	56	16.5	46	14
WORTHINGTON GLACIER	2100	3/3/2014	43	18.8	63	16.3	69	21.6

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
ESTHER ISLAND	50	86.1	59.6	71.9	120%
GROUSE CREEK DIVIDE	700	31.2	24.7	33.3	94%
MT. EYAK	1405	76.8	56.2	---	---
NUCHEK	50	91.4	61.1	---	---
NUKA GLACIER	1250	51.4	37.4	48.2	107%
PORT SAN JUAN	50	69.0	58.2	66	105%
SEAL ISLAND	20	39.0	---	---	---
SUGARLOAF MTN	550	52.4	29.8	34.5	152%
TATITLEK	50	51.4	37.6	35.7	144%

Southeast



Snow pack

Like last month, Southeast Alaska has a variable snowpack based on both region and elevation.

The Petersburg area continues to have below normal snowpacks. Petersburg Ridge is 71% of normal with 46" of snow and 15.3 inches on water content while the reservoir snow course has 13" of snow with 2.4" of water content, up from no snow last month. Both sites have about half the amount of snow as last year at this time.

The higher elevation Douglas Island sites proved difficult to measure this month with hard ice layers persistent through the snowpack. However, it is evident that the lower elevation snowpacks diminished during February and high areas gained snowpack. Fish Creek snow course, at 500' elevation, lost more than half of its depth and water content during February while Cropley Lake at 1650' elevation gained 34" in depth to 82 inches.

Long Lake SNOTEL received less than half of its normal February precipitation and is now slightly below normal precipitation for the water year. However, Long Lake's snowpack remains above normal with 89" of snow and 31.0" of water content or 114% of normal. Speel River snow course at 280' of elevation has 66" of snow with 28.2" of water content, 199% of normal and slightly less than last year.

Further north, near Skagway, Moore Creek Bridge SNOTEL site also received less than half of its normal February precipitation and its snowpack is slightly less than normal with 42" of snow and 17.3" of water content.

Southeast

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
CROPLEY LAKE	1650	2/28/2014	86	26.5	98	33	71	23.1
EAGLE CREST	1200	2/28/2014	56	16	75	23.4	45	16.5
FISH CREEK	500	2/28/2014	9	3.5	11	2.8	20	6.5
INSTITUTE CREEK	1350	2/27/2014	26	7.8	66	20.2	---	---
LONG LAKE	850	3/1/2014	89	31	109	40.2	---	27.2
MOORE CREEK BRIDGE	2250	3/1/2014	43	17.4	69	21	64	18.9
PETERSBURG RESERVOIR	550	2/26/2014	13	2.4	22	4.8	18	4
PETERSBURG RIDGE, S.	1650	2/27/2014	46	15.3	87	28.9	65	21.4
RAINBOW FALLS	500	2/27/2014	8	1.4	0	0	---	---
SPEEL RIVER	280	3/1/2014	66	28.2	72	28.8	68	23.7
WEST CREEK	475	3/2/2014	35	11.3	36	11	---	---

Streamflow Forecasts

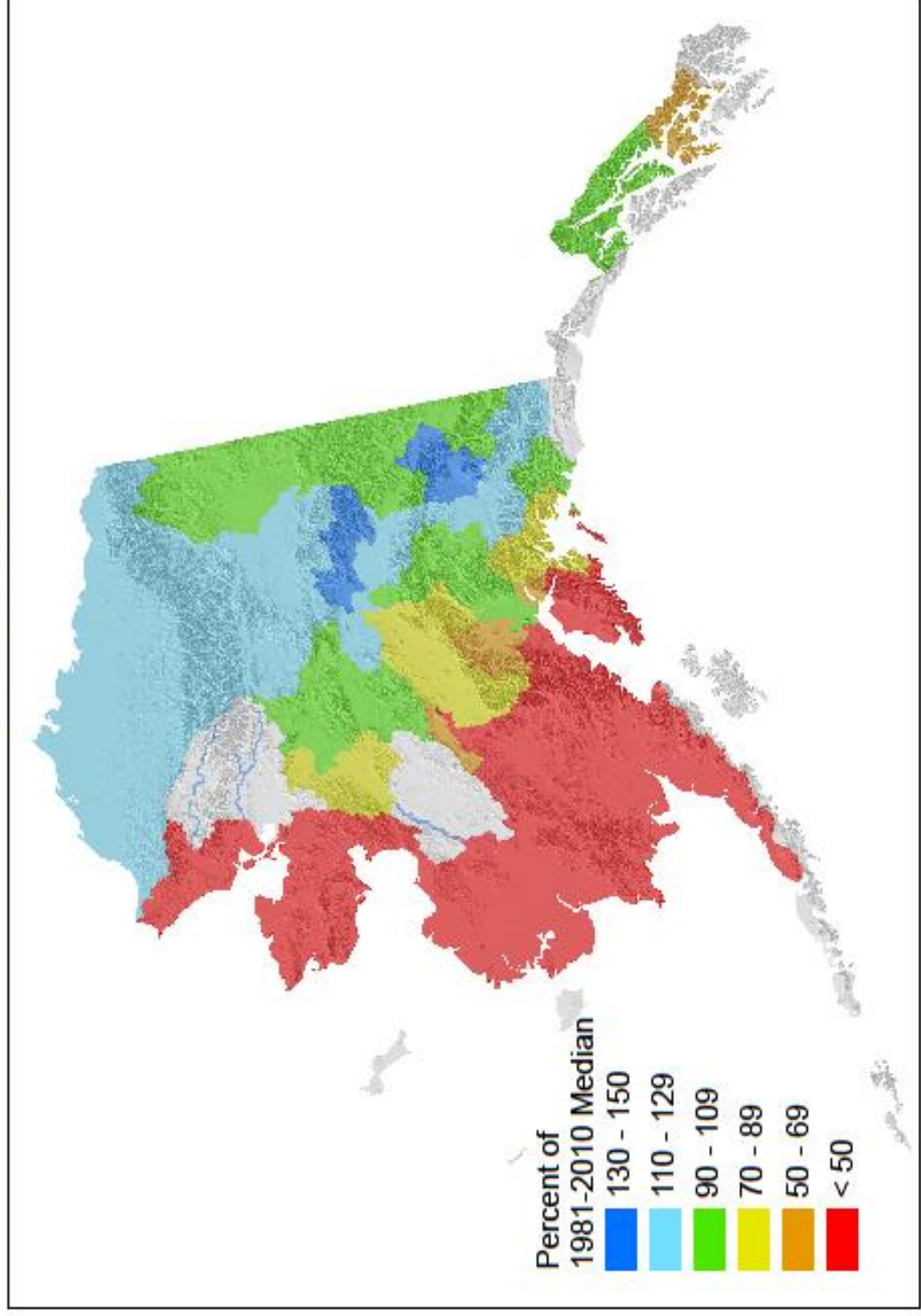
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Gold Creek near Juneau	Apr-Jul	100	126	74	34	34

Precipitation Data

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
LONG LAKE	850	85.1	75.5	85.9	99%
MOORE CREEK BRIDGE	2250	21.8	22.4	23.7	92%

Alaska Snowpack as of March 1, 2014

Based on Snow Water Content



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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