

Alaska Snow Survey Report



April 1, 2015

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Cover photo: NRCS Hydrologic Technician Dan Kenney heads down an icy trail towards Indian Pass SNOTEL site. Indian Pass SNOTEL at 2350' in elevation had 50" of snow with 12.6" of water content, 56% of normal . The Ship Creek watershed snow sites averaged 33% of normal with two snow courses having no snow at all.

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General Overview

SnowPack

Like last month, snowpack across the southern and western parts of Alaska remain below normal, much of it well below normal. Substantial snowstorms hit parts of the eastern Seward Peninsula, central Interior, and parts of the Kenai Peninsula and Susitna Valley.

Snowpacks become more normal in the north and northeast parts of the state with isolated areas of above normal snowpack in the Chena Basin and upper Porcupine Basin. Two sites in the upper Porcupine Basin, across in the Yukon Territory set new record highs: Riffs Ridge and Old Crow. They were around 145% of normal.

The upper Yukon Basin is more variable this month than last, but on the whole is normal. The White River, east of the Fortymile Country is 82% of normal while the basin above Whitehorse is 92% of normal. The Pelly drainage and drainages near Dawson are above normal.

Southwest Alaska, Southeast Alaska, and portions of Southcentral Alaska are experiencing feeble snowpacks. Nineteen of the twenty snow courses on the Kenai Peninsula set new or tied records lows.

Precipitation

Similar to last month, precipitation was variable across the state. Significant storm systems hit parts of the Kenai Peninsula, the Central Yukon and parts of western Alaska including the Seward Peninsula.

Most of the state received near normal or just below normal precipitation for the month of March. North Cook Inlet, the Copper Basin, and the upper Tanana all were near 70% of normal for the month. Southeast Alaska was near normal, as were the Kenai Mountains and Western Prince William Sound, and the Susitna basin. The Arctic received below normal precipitation for the month.

The central Interior from the Chena basin to the Brooks Range saw the greatest precipitation gains. The six SNOTEL sites in the Chena basin had 179% of normal precipitation for the month. The four Central Yukon SNOTEL sites average 161% of normal for the month and further north, the four SNOTEL sites in the eastern Koyukuk basin were 153% of normal for the month. This puts the Central Yukon Basin precipitation near normal for the water year, but the Koyukuk basin is still only 63% of normal for the year.

A substantial storm also hit parts of western and northwestern Alaska. Rocky Point SNOTEL on the Seward Peninsula received 208% of normal precipitation for the month and the NWS site at Nome received 135% of normal precipitation for the month.

Temperature

Like last month, there was a cold snap during the second week of the month. Like last month, this wasn't enough to pull monthly temperatures down to normal. Most of Alaska experienced above normal temperatures for the month.

The area which was most above normal was the Central Yukon where Fort Yukon was 8°F above normal for March. Homer was 7° above normal and both Bethel in the Y-K Delta and Whitehorse in the Yukon Territory was 6°F above normal. Barrow was 5°F above normal. Several sites were 3-4°F above normal including Juneau, Fairbanks, Bettles, Cordova, Anchorage, and Talkeetna. Nome was the only site reported as below normal for the month with a -1°F departure.

Streamflow Forecasts

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	104	April - July
Porcupine River nr Int'l Boundary.....	128	April - July
Yukon River near Stevens Village	118	April - July
Tanana River at Fairbanks	91	April - July
Tanana River at Nenana	90	April - July
Little Chena River near Fairbanks	101	April - July
Chena River near Two Rivers	104	April - July
Salcha near Salchaket	104	April - July
Sagvanirktok River near Pump Station 3	107	April - July
Kuparuk River near Deadhorse	89	April - July
Kuskokwim River at Crooked Creek	59	April - June
Gulkana River at Sourdough	90	April - July
Little Susitna River near Palmer	79	April - July
Talkeetna River near Talkeetna	83	April - July
Ship Creek near Anchorage	47	April - July
Kenai River at Cooper Landing	76	April - July
Gold Creek near Juneau	59	April - July

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

FORECAST POINT	INDEX	Index	Key:
Koyukuk River at Hughes.....	-0.9		
MF Koyukuk R near Wiseman	0.0		
Slate Creek at Coldfoot.....	-0.4		
Beaver Creek above Victoria Creek.....	0.0		
Birch Creek below South Fork.....	0.0		
Caribou Creek at Chatanika.....	-0.7		
Susitna River near Gold Creek.....	-2.2	-2 to -3	much below average snow-melt runoff
Chulitna River near Talkeetna.....	-3.0		
Deshka River at mouth near Willow.....	-2.9		
Montana Creek at Parks Highway.....	-2.6		
Willow Creek near Willow.....	-2.3	-1 to -2	below average snowmelt runoff
Skwentna River at Skwentna.....	-3.0		
Chuitna River near Tyonek.....	-3.0		
Campbell Creek near Spenard.....	-3.0		
Indian Creek at Indian.....	-3.0	-1 to +1	average snow-melt runoff
Bird Creek at Bird Creek	-3.0		
Glacier Creek nr Girdwood	-3.0		
Six Mile Creek near Hope.....	-3.0		
Resurrection Creek near Hope.....	-3.0	+1 to +2	above average snowmelt runoff
Grouse Ck at Grouse Lake Outlet nr Seward	-3.0		
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.....	0.0		
Municipal Watershed C nr Petersburg	-2.8		

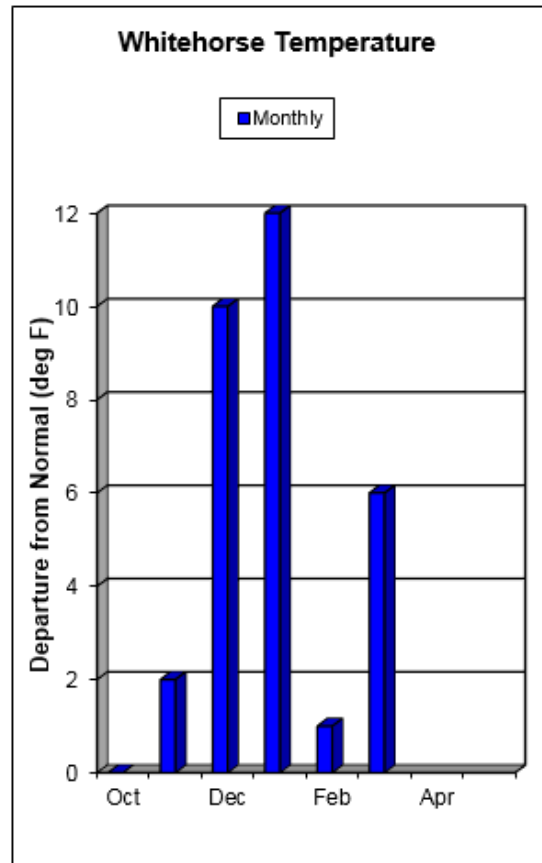
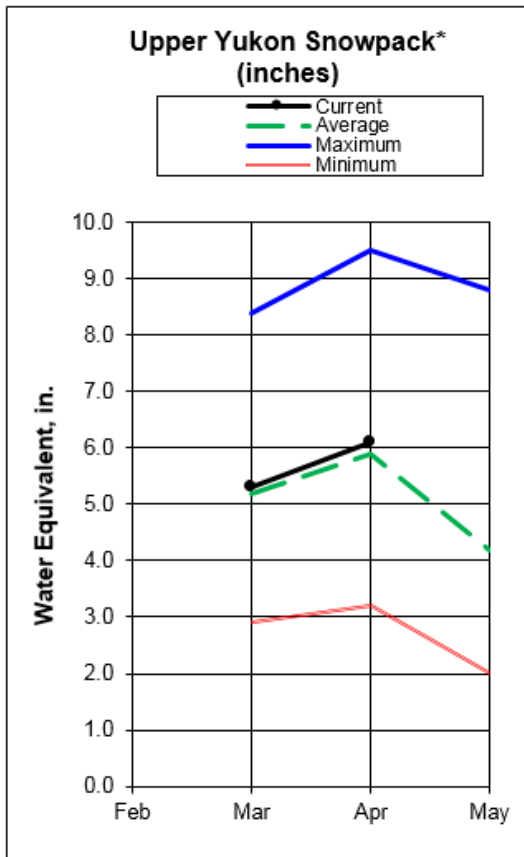
HOW FORECASTS ARE MADE

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 had more variable snowpack this month, but on the whole was right at normal.

The White River basin, south of Dawson, has the lowest snowpacks. The seven snow courses in the basin average 82% of normal. Further north, near Dawson the snowpack is above normal. The snowpack jumps to 125% of normal for the basin. Midnight Dome remained at 122% of normal by gaining 3" of snow depth and 1.0" of water to make a total of 32" of snow and 7.1" of water content.

Further up the Yukon, the Pelly Basin is close to normal. The 12 sites measured in this basin are 105%, the same as last month.

Because of only meager gains, the snowpack down in the Whitehorse area has dropped to slightly below normal. The nine sites in this basin average 92% of normal. The Whitehorse Airport snow course had 17" of snow and 3.3" of water content, 83% of normal.

Upper Yukon Basin

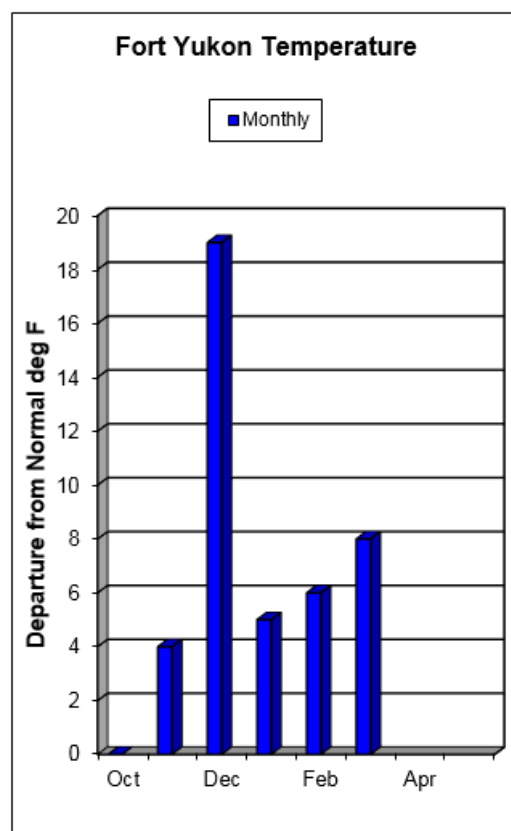
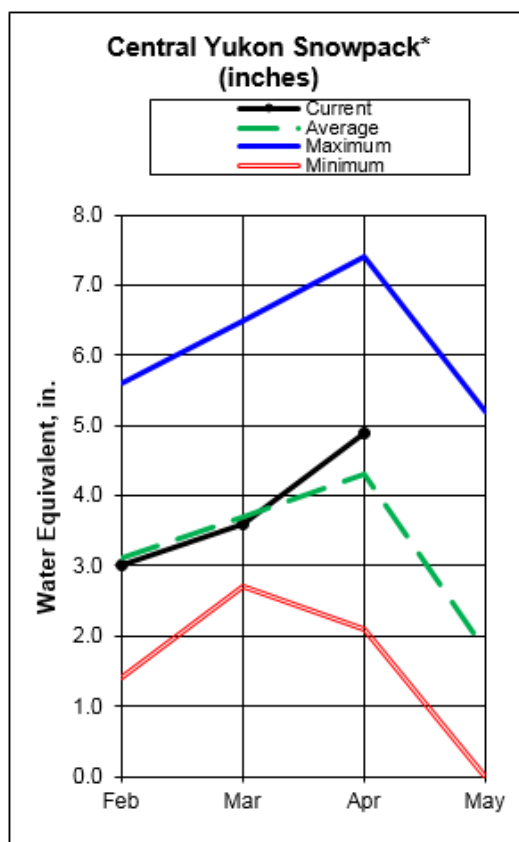
Snowpack Data

Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
Arrowhead Lake	3675	No Survey	---	---	---	---	34	7.4
Atlin	2395	4/1/2015	12	2.9	20	4.9	20	5.0
Beaver Creek	2150	3/26/2015	17	2.9	20	3.2	17	3.2
Burns Lake	3650	3/27/2015	40	9.4	44	10.3	39	8.9
Burwash Airstrip	2660	3/26/2015	7	1.2	---	---	10	1.8
Calumet	4300	3/31/2015	37	9.1	31	8.1	36	7.5
Casino Creek	3495	3/30/2015	22	4.2	26	5.8	26	5.0
Chair Mountain	3500	3/26/2015	21	3.9	22	4.8	20	3.5
Duke River	4300	No Survey	---	---	---	---	22	3.8
Eagle Plains	2330	4/1/2015	38	8.8	25	5.2	31	6.6
Eagle River	1115	4/1/2015	32	7.1	25	5.2	26	5.2
Edwards Lake	2720	3/26/2015	32	6.1	24	4.2	30	6.4
Finlayson Airstrip	3240	3/27/2015	22	4.7	23	4.1	20	4.2
Fuller Lake	3695	3/26/2015	35	7.5	37	7.9	33	7.7
Grizzly Creek	3200	4/1/2015	38	9.2	28	6.7	31	6.8
Hoole River	3400	3/27/2015	30	6.5	32	6.7	26	5.2
Jordan Lake	3050	3/27/2015	24	5.1	32	7.2	25	5.2
King Solomon Dome	3540	3/30/2015	32	7.4	31	7.7	30	6.3
Log Cabin (B.C.)	2900	3/31/2015	46	13.4	43	14.7	50	15.7
Macintosh	3805	3/30/2015	13	2.4	16	2.7	22	4.0
Mayo Airport	1770	3/31/2015	18	4.1	20	4.8	18	4.2
Meadow Creek	4050	3/26/2015	43	12.4	52	13.8	45	10.9
Midnight Dome	2805	3/30/2015	32	7.1	28	6.4	28	5.8
Montana Mtn.	3350	3/31/2015	24	6.1	21	5.5	26	5.9
Morley Lake	2700	3/30/2015	18	3.6	31	8.1	26	5.8
Mt. Berdoe	3395	4/1/2015	19	3.6	22	4.9	24	4.2
Mt. McIntyre B	3600	3/31/2015	27	6.3	27	6.9	28	6.2
Mt. Nansen	3350	3/30/2015	14	2.4	19	4.2	18	3.2
Old Crow	980	3/26/2015	35	7.5	26	5.2	24	4.4
Pelly Farm	1550	3/26/2015	13	3.5	16	3.8	16	3.0
Plata Airstrip	2725	3/26/2015	36	8.3	33	7.1	33	7.6
Rackla Lake	3410	3/26/2015	37	6.7	28	4.8	37	7.8
Riffs Ridge	2130	4/1/2015	36	8.4	26	5.1	29	5.7
Russell Lake	3480	3/26/2015	41	9.4	37	8.1	37	8.9
Satasha Lake	3630	3/30/2015	15	2.6	17	3.3	20	3.8
Summit	985	3/28/2015	28	7.1	22	4.7	35	9.9
Tagish	3540	3/26/2015	26	6.5	22	5.7	26	6.0
Twin Creeks	2950	3/26/2015	32	7.2	35	7.4	33	7.3
Whitehorse Airport	2300	3/31/2015	17	3.3	22	5.1	20	4.0
Williams Creek	3000	3/30/2015	18	3.7	20	4.7	20	3.8
Withers Lake	3200	3/26/2015	42	9.6	33	7.4	39	8.8

Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Yukon River At Eagle	Apr- Jul	104	120	88	34500	33300

Central Yukon Basin



Snow pack

Like last month, the Central Yukon Basin snow pack ranges from slightly below normal to much above normal. Significant storms in the western part of the basin augmented an already decent snowpack.

The six measured snow courses on the north side of the White Mountains average 110% of normal. The Upper Nome SNOTEL site caught 2.2" of precipitation during March and has 29" of snow.

The Yukon Flats snow courses average 101% of normal. Circle Hot Springs snow course has 22" of snow with 4.4" of water content which is 107% of normal. Further downstream, Hess Creek, near Yukon Crossing, has 24" of snow and 5.2" of water content, slightly less than last year.

Following the Porcupine northwest the snowpack starts increasing until in the Yukon Territory snowcourses of Old Crow and Riffs Ridge we see record high snow packs. The four Porcupine snowcourses average 145% of normal. Riffs Ridge snow course which was established in 1986 had 36" of snow with 8.4" of water content or 147% of normal. Old Crow snow course was established in 1980 and had 35" of snow with 7.5" of water content for 170% of normal, tying the previous record set in 2000.

Much further to the south, the Fortymile Country remains below normal and the four sites measured here average 79% of normal.

Snowpack Data

Central Yukon Basin

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	4/1/2015	21	4.2	16	3.6	---	---
Atigun Pass	4800	4/1/2015	38	---	37	---	---	---
Borealis	1330	3/28/2015	23	5.0	24	5.7	25	4.8
Boundary	3500	4/3/2015	22	4.6	29	7.1	26	5.3
Cathedral Creek	1800	3/30/2015	22	6.6*	45	8.8		
Chicken Airstrip	1650	4/2/2015	12	2.4	23	4.3	16	3.2
Circle Hot Springs	860	3/30/2015	22	4.4*	18	3.3	24	4.1
Coal Creek	1000	3/30/2015	23	5.0	22	5.1	---	---
Copper Creek	2000	3/30/2015	35	8.7*	20	6.0	---	---
Crescent Creek	2600	3/30/2015	15	3.8*	14	4.2	---	---
Eagle Summit	3650	4/1/2015	16	---	10	---	---	---
Fort Yukon SNOTEL	430	4/1/2015	15	---	20	---	---	---
Fort Yukon	430	3/31/2015	19	3.2	22	4.2	20	3.6
Fossil	1400	3/28/2015	23	5.3	24	5.8	24	4.8
Graphite Lake	600	3/31/2015	18	3.5*	24	4.8	---	---
Hess Creek	1000	4/1/2015	24	5.2*	25	5.4	26	5.0
Lost Chicken Hill	2150	4/2/2015	14	2.5	23	4.2	18	4.0
Lower Beaver Creek	400	3/31/2015	25	4.9*	29	6.8	---	---
Mission Creek	900	<i>No Survey</i>	---	---	10	2.2	18	3.8
Mt. Fairplay	3100	4/2/2015	17	4.0	25	5.5	21	4.6
Old Crow	980	3/26/2015	35	7.5	26	5.2	24	4.4
Ptarmigan Creek	2270	3/30/2015	22	4.2*	25	5.2	24	4.4
Seven Mile	600	4/1/2015	23	4.9	27	5.4	26	4.9
Stack Pup Creek	1620	3/30/2015	23	4.3*	20	3.6	25	4.0
Step Mountain	2850	3/30/2015	28	6.8*	24	6.3	---	---
Thirty Mile	1350	4/1/2015	26	6.3	33	8.0	34	7.6
Three Fingers	3350	3/30/2015	32	7.6*	34	7.9	---	---
Upper Nome Creek	2520	4/1/2015	29	---	25	---	---	---
Vunzik Lake	500	3/31/2015	18	3.4*	23	5.0	---	---
Windy Gap	1900	3/27/2015	28	7.3	25	6.0	26	5.7
Wolf	1200	3/27/2015	20	4.6	23	5.5	23	4.2

**Estimate*

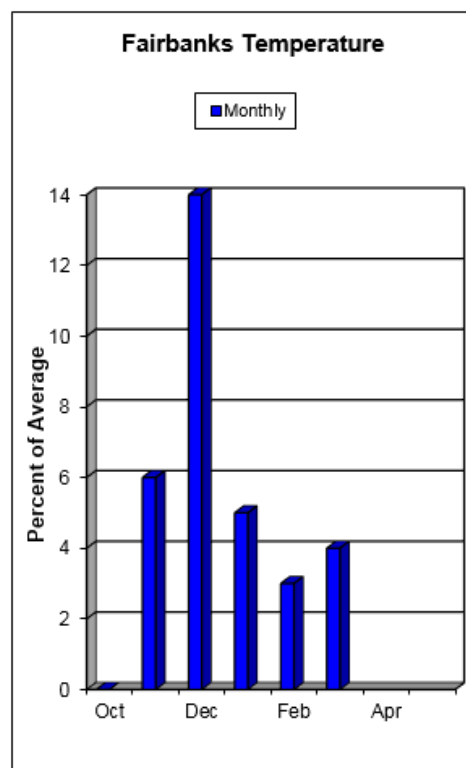
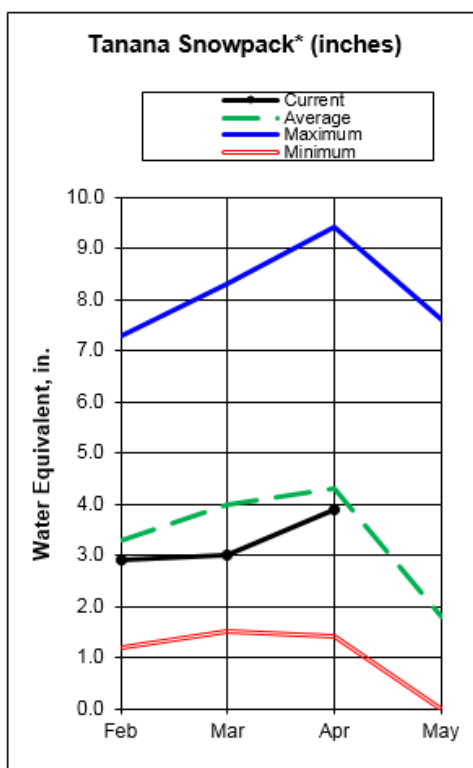
Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Porcupine River near Intl Boundary	Apr-Jul	128	186	88	7210	5640
Yukon River near Stevens Village	Apr- Jul	118	130	106	56700	48100

Precipitation

Site Name	Elev.	Inches Accumulated since October 1st			
		This Year	Last Year	1981-2010 Normal	% of Normal
American Creek	1050	4.2	4.0	---	---
Atigun Pass	4800	4.3	4.9	5.6	77%
Chandalar Camp	3300	---	3.7	4.5	---
Eagle Summit	3650	5.1	5.9	5.3	96%
Fort Yukon	430	2.9	5.5	3.6	81%
Upper Nome Creek	2520	6.1	9.5	5.2	117%

Tanana Basin



Snow pack

The Tanana Valley had variable precipitation during March. The upper and lower parts of the basin received near 80% of normal precipitation while the central Tanana basin gained more. The Chena basin collected 179% of normal for the month. The Tanana Valley snowpack ranges from slightly below to above normal.

The upper Tanana valley above Tok averages 70% of normal ranging from 53% at Chisana SNOTEL to 91% of normal at Beaver Creek in the Yukon. Tok Junction Snow Course has 17" of snow with 3.0" of water content or 86% of normal.

The snow course near Delta Junction averaged 101% of normal, but ranged from 76% of normal at Shaw Creek Flats snow course to 116% of normal at the Granite Creek SNOTEL site.

The nine sites in the Chena Basin average 128% of normal, one of the most hearty snowpacks in the state. The Chatanika basin is also above normal and the 4 snow sites in this basin average 107% of normal.

The snowpack diminishes towards the south. Fairbanks itself is only 82% of normal with 15" of snow with 2.0" of water content. Lake Minchumina has 16" of snow with 2.8" of water content, 74% of normal

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	3/31/2015	18	4.5	21	4.8	21	4.0
Caribou Creek	1250	3/31/2015	13	3.1	23	5.7	20	3.8
Caribou Snow Pillow	900	3/31/2015	17	4.0	23	5.3	20	3.9
Chisana	3320	4/1/2015	13	2.7	18	4.1	---	4.6
Cleary Summit	2230	3/30/2015	31	6.6	30	6.5	28	5.2
Colorado Creek	700	3/30/2015	22	4.8	25	5.2	20	3.6
Fairbanks F.O.	450	4/1/2015	16	2.7	19	3.9	---	3.3
Faith Creek	1750	3/30/2015	26	5.3	24	5.0	26	4.8
Fielding Lake	3000	4/3/2015	37	9.2*	42	11.4	40	9.9
Fort Greely	1500	4/2/2015	16	3.7*	17	3.4	17	3.2
French Creek	1800	3/31/2015	25	5.8	23	5.0	24	5.2
Gerstle River	1200	4/2/2015	16	2.9	19	3.8	17	3.1
Gold King	1700	No Survey	---	---	---	---	19	3.6
Granite Crk	1240	4/1/2015	18	4.4	15	3.3	---	3.8
Jatahmund Lake	2180	No Survey	---	---	14	3.1	18	3.0
Kantishna	1550	3/31/2015	22	4.3	22	4.8	26	5.1
Lake Minchumina	730	3/31/2015	16	2.8*	14	2.8	20	3.8
Little Chena Ridge	2000	4/1/2015	21	5.3	17	4.6	---	4.9
Lost Creek	3030	4/2/2015	12	2.9	17	3.9	18	3.7
Mentasta Pass	2430	4/3/2015	18	4.0*	29	7.6	27	6.2
Monument Creek	1850	4/1/2015	25	6.1	20	5.9	---	4.6
Mt. Ryan	2800	4/1/2015	29	6.0	25	5.7	---	5.1
Munson Ridge	3100	4/1/2015	36	8.4	40	9.9	---	6.8
Paradise Hill	2200	3/29/2015	10	1.9	13	2.8	17	3.6
Ptarmigan Airstrip	2400	No Survey	---	---	---	---	16	3.6
Rock Creek Bottom	2250	No Survey	---	---	17	3.9	18	3.9
Rock Creek Ridge	2600	No Survey	---	---	---	---	19	4.0
Shaw Creek Flats	980	3/31/2015	12	2.2	18	3.4	14	2.9
Teuchet Creek	1640	4/1/2015	18	4.9	18	4.4	---	3.8
Tok Junction	1650	4/3/2015	17	3.0	25	5.1	20	3.5
Upper Chena	2850	4/1/2015	38	---	40	---	---	6.8
Upper Wood River	2990	No Survey	---	---	---	---	22	4.8

*Estimate

Streamflow Forecasts

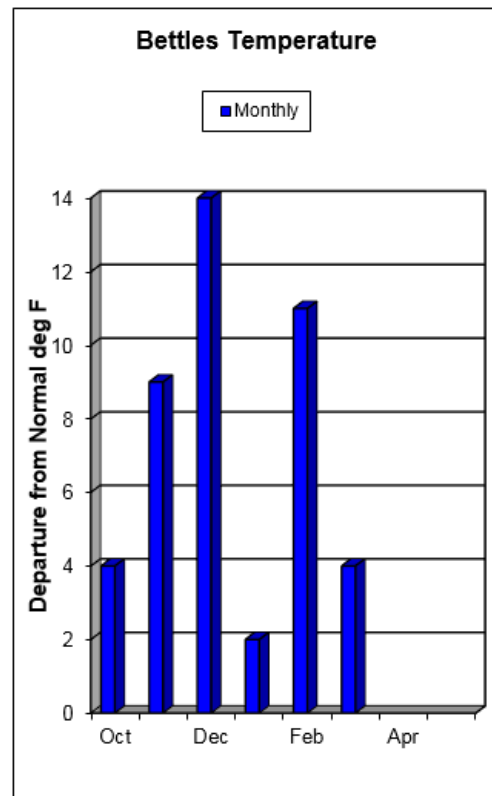
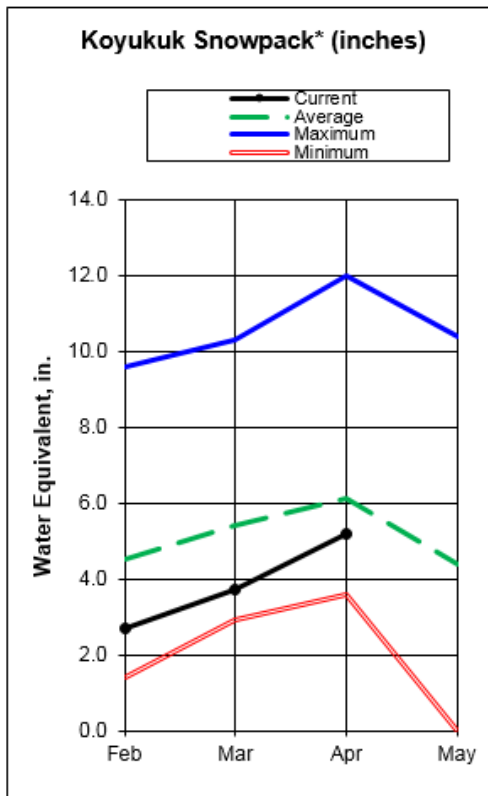
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Salcha River near Salchaket	Apr- Jul	104	142	72	650	625
Tanana River at Fairbanks	Apr- Jul	91	104	78	6790	7460
Chena River near Two Rivers	Apr-Jul	104	146	61	280	270
Little Chena River near Fairbanks	Apr-Jul	101	137	65	79	78
Tanana River at Nenana	Apr- Jul	90	103	77	8100	9000

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Chisana	3320	2.7	5.0	---	---
Fairbanks F.O.	450	3.3	4.7	4.5	73%
Granite Crk	1240	3.4	4.3	4.1	83%
Kantishna	1550	4.3	6.0	4.6	93%
Little Chena Ridge	2000	4.2	3.7	5.4	78%
Nenana	415	3.2	3.7	---	---
Tok	1630	3.3	4.9	---	---
Upper Chena	2850	6.9	10.1	6.7	103%

Western Interior Basins



Snow pack

Koyukuk

Despite receiving an average of 153% of normal precipitation for the month, the Koyukuk Basin continues to have below normal precipitation for the water year and to have below normal snow pack as well. The snow-pack in the basin did make gains during the month and the basin as a whole is near 90% of normal. Snow courses near the Brooks Range were measured at above normal, while the lowlands generally measured three quarters of normal. Bettles Field SNOTEL had 22" of snow with 4.4" of water content, 77% of normal. The aerial markers in the Lower Koyukuk also increased in depth and the Hozatka Lake SCAN site, south of Huslia, received 0.6" of precipitation during the month.

Kuskokwim

The southern Kuskokwim Basin snowpack continues to be feeble this month. The Telaquana Lake snow-course has melted out. The new SNOTEL site at Telaquana Lake received 0.2" of precipitation during March and a total of 3.0" of precipitation since October 1st. The Telaquana SNOTEL pillow melted out on March 24th. The Aniak SCAN site received 1.2" of precipitation over the month. The mountains in the northern basin were hit by a snow storm midmonth. Snowpacks at Lake Minchumina and Purkeypile Mine increased and are now near 70% normal.

Lower Yukon

The Lower Yukon also made increases during March. Tozikaket snow course was measured with 17 inches of snow and 3.8" of water content, 90% of normal. The aerial markers in the Nowitna Refuge and Innoko Refuges increased in depth and the measured aerial markers in the Innoko Refuge are estimated to be around 70% normal.

Snowpack Data

Western Interior Basins

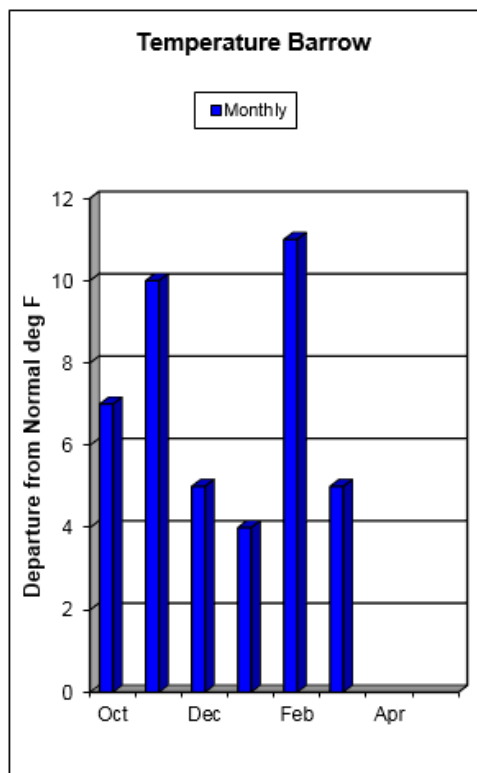
Snowpack Data			This Year		Last Year		1981-2010 Normal	
Site Name	Elev.	Date	Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
Koyukuk								
Bettles Field	640	4/1/2015	22	4.9	28	5.7	---	6.4
Bonanza Forks	1200	4/1/2015	18	4.4	22	5.8	26	5.2
Cloverleaf	170	3/30/2015	25	5.1*	20	5.1	---	---
Coldfoot	1040	4/1/2015	24	5.5	30	7.5	---	6.4
Colville Bend	170	3/30/2015	30	6.5	25	5.5	---	---
Disaster Creek	1550	4/1/2015	22	5.0	22	4.4	22	4.0
Gobblers Knob	2030	4/1/2015	0	0.0	9	---	---	---
Huggins Creek	290	3/30/2015	31	6.9*	31	8.1	---	---
Jr Slough	160	3/30/2015	25	5.4*	27	6.0	---	---
Kaldoyeit	750	4/5/2015	34	7.1*	39	9.6	21	4.2
Kanuti Chalatna	670	4/5/2015	22	5.3*	30	7.6	26	5.3
Kanuti Kilolitna	550	4/5/2015	9	2.3*	20	5.1	22	4.0
Lake Todatonten	550	3/31/2015	18	4.0	26	6.8	29	5.4
Minnkokut	580	4/5/2015	24	5.6*	36	8.3	34	6.6
Nolitna	560	4/5/2015	12	2.9*	33	8.6	25	5.3
Table Mountain	2200	4/1/2015	24	5.2	24	4.9	23	4.0
Taiholman	540	No Survey	---	---	9	2.3	4	1.0
Treat Island	190	3/30/2015	30	6.0*	5	1.4	---	---
Kuskokwim								
Aniak	80	4/1/2015	2	---	6	---	---	---
Canyon Lake	550	4/1/2015	0	---	---	---	---	---
Holitna River	257	No Survey	---	---	---	---	---	---
Holokuk River	367	No Survey	---	---	0	---	---	---
Johnny Slu	180	No Survey	---	---	---	---	---	---
Lower Aniak	164	No Survey	---	---	---	---	---	---
Mcgrath	340	4/1/2015	7	2.1*	13	3.2	27	5.6
Middle Kuskowim	297	No Survey	---	---	9	2.3	---	---
N. Fork Kuskokwim	512	No Survey	---	---	24	6.8	---	---
Nixon Fork Kuskokwim	508	No Survey	---	---	22	6.2	---	---
Purkeypile Mine	2025	3/31/2015	19	3.9*	27	5.2	26	5.4
Telaquana Lake	1550	4/2/2015	0	0.0	2	0.5	20	4.6
Telaquana Lake SNOTEL	1275	4/1/2015	0	0.0	---	---	---	---
Lower Yukon								
Deer Creek	195	3/30/2015	24	5.4*	21	5.9	---	---
Grouch Creek	220	No Survey	---	---	---	---	34	7.6
Holikachuk	100	No Survey	---	---	---	2.1	37	8.2
Horsefly Creek	180	No Survey	---	---	---	---	28	6.5
Innoko Inn	200	No Survey	---	---	---	---	24	4.4
Little Mud River	855	3/30/2015	15	3.6*	---	---	---	---
Lower Nowitna River	205	3/30/2015	24	5.2*	18	3.8	---	---
Menotl Creek	380	No Survey	---	---	---	---	40	9.0
Middle Innoko	150	No Survey	---	---	---	---	34	7.7
Ninemile Island	140	3/30/2015	25	5.3*	30	7.0	---	---
Pike Trap Lake	130	3/30/2015	6	1.5*	11	2.7	---	---
Squirrel Creek	150	3/30/2015	29	6.2*	30	8.4	---	---
Tozikaket	600	3/31/2015	17	3.8*	19	4.8	23	4.2
Upper Innoko	180	No Survey	---	---	---	---	32	7.4
Wapoo Hills	220	4/2/2015	31	6.6*	---	---	36	7.7
Yankee Slough	100	4/2/2015	29	6.7*	---	---	41	9.4
Yetna River	120	No Survey	---	---	---	1.8	31	7.0

*Estimate

Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Kuskokwim River at Crooked Creek	Apr-Jun	59	83	49	6160	10500

Arctic and Kotzebue Sound



Snow pack

Arctic

Like last month, the Arctic had variable precipitation, ranging from none measured to 100% normal. The snowpack is normal to slightly above normal as well.

Kotzebue

The Kotzebue Sound area had above normal precipitation for the month. Kelly Station SNOTEL site had 0.7" of precipitation during the month and currently has 27" of snow with 5.9" of water content. Kotzebue itself received 0.5" of precipitation which is considered 145% of normal.

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
Atigun Pass	4800	4/1/2015	38	---	37	---	---	---
Imnaviat Creek	3050	4/1/2015	34	---	25	---	---	---
Kelly Station	310	4/1/2015	27	5.9	21	4.0	---	---
Prudhoe Bay	30	4/1/2015	20	---	22	---	---	---
Sagwon	1000	4/1/2015	17	---	20	---	---	---

Streamflow Forecasts

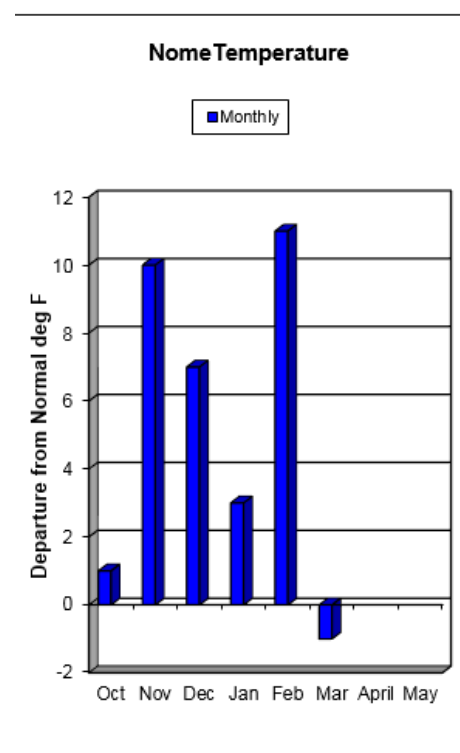
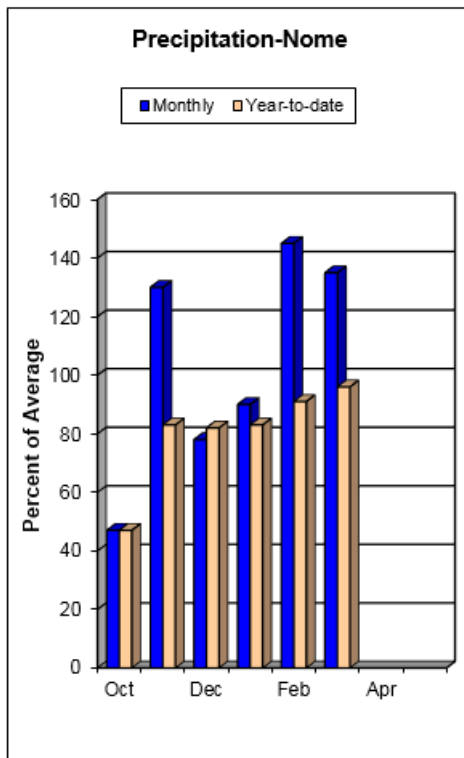
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Kuparuk River near Deadhorse	Apr-Jul	89	120	57	705	796
	May-Jul	97	138	69	775	795
Sagavanirktok River near Pump Station 3	Apr-Jul	107	125	88	730	684
	May-Jul	105	155	71	715	683

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Arctic					
Atigun Camp	3400	---	2.8	2.5	---
Atigun Pass	4800	4.3	4.9	5.6	77%
Barrow	25	1.2	1.3	---	---
Imnaviat Creek	3050	4.0	3.2	2.9	138%
Prudhoe Bay	30	2.7	3.4	3.5	77%
Sagwon	1000	2.9	3.0	3.0	97%
Kotzebue Sound					
Port Red Dog	50	<i>No Survey</i>	4.4	4.3	---
Red Dog Mine	950	<i>No Survey</i>	8.8	5.3	---
Kelly Station	310	5.2	8.7	---	---

Norton Sound/Y-K Delta/Bristol Bay



Snow pack

Norton Sound

The northern Norton Sound snowpack was reinvigorated with a healthy storm at the end of the first week of March, just in time to test Iditarod mushers on the trail. Rocky Point SNOTEL gained 12" of snow for a total of 16" and Pargon Creek SNOTEL 20 miles northeast of White Mountain gained 7 inches.

Yukon Kuskokwim Delta

Snowpack continues to be low in the Y-K Delta. Bethel only received 80% of its normal precipitation for the month and the Kanaryagak SCAN site, located southeast of Chevak, received only 0.2" of precipitation for the month.

Bristol Bay

Snow continues to be minimal in the Bristol Bay basin, though parts of the eastern basin received a dusting late in the month. Brooks Camp and Port Alsworth snow courses had no snow. Weary Lake SCAN and the Three Forks aerial marker have only a trace of snow. Naknek River SCAN near King Salmon caught 0.9" of precipitation during the month while Weary Lake SCAN site, 20 miles northwest of Dillingham, measured 2.9" during the month.

Norton Sound/Y-K Delta/Bristol Bay

Snowpack Data

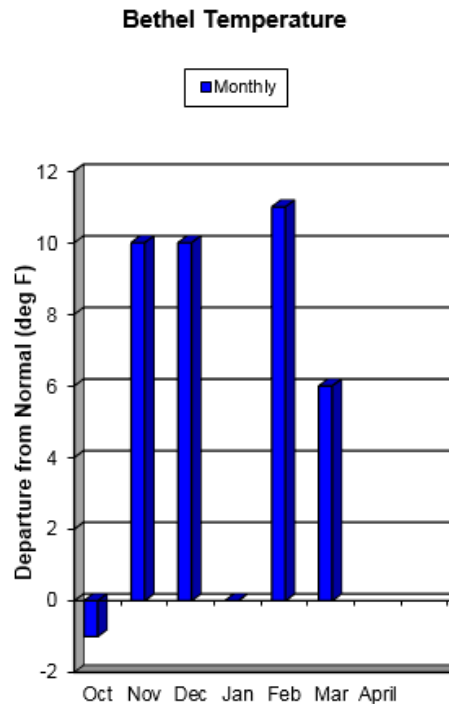
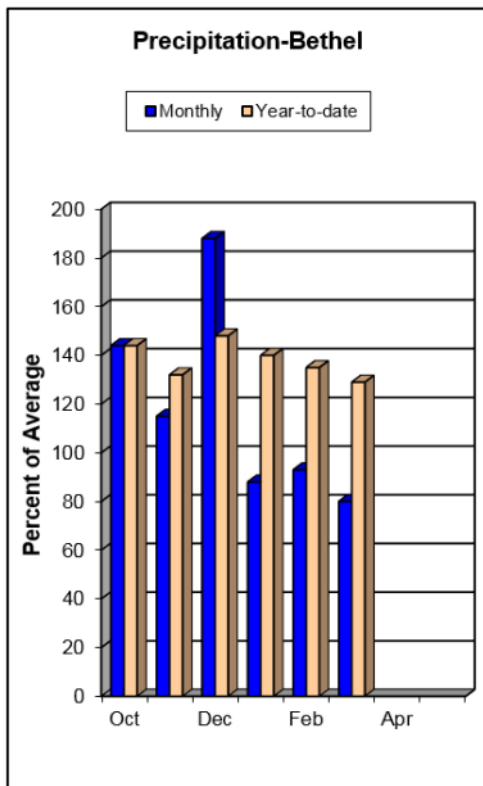
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
Bristol Bay								
Brooks Camp	150	3/30/2015	0	0.0	0	0.0	---	---
Fishtrap Lake	1800	No Survey	---	---	23	6.1	37	9.5
Port Alsworth	270	4/1/2015	0	0.0	0	0.0	10	3.3
Three Forks	1300	3/30/2015	1	0.1	0	0.0	---	---
Weary Lake	100	4/1/2015	1	---	19	---	---	---
Norton Sound								
Pargon Creek	100	4/1/2015	12	2.5*	7	---	---	---
Rocky Point	250	4/1/2015	16	1.7*	9	---	---	---
Yukon-Kuskokwim Delta								
Kanaryagak Camp	13	4/1/2015	7	---	6	---	---	---

*Estimate

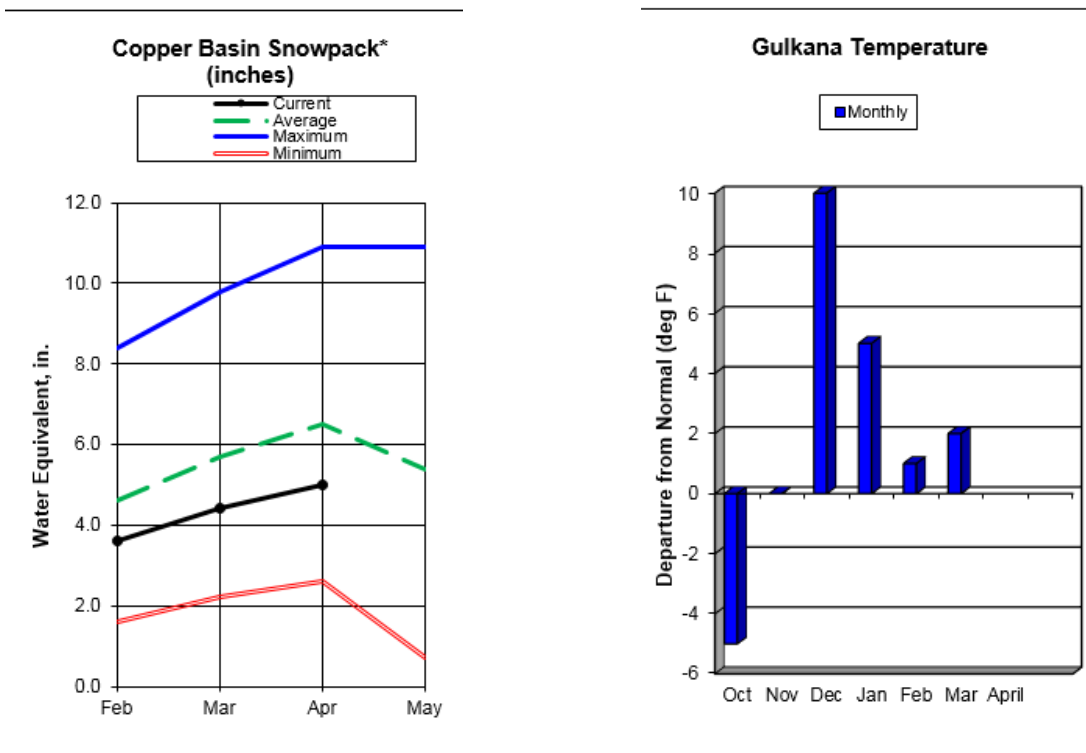
Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Bristol Bay					
Lower Mulchatna	320	6.9	12.3	---	---
Naknek River	100	6.4	13.7	---	---
Weary Lake	100	34.0	44.8	---	---
Norton Sound					
Checkers Creek	326	1.8	---	---	---
Pargon Creek	100	---	9.0	5.9	---
Rocky Point	250	4.3	8.4	5.4	80%
Yukon - Kuskokwim Delta					
Kanaryagak Camp	13	3.2	8.2	---	---



Copper Basin



Snow pack

The snowpack in the Copper River Basin ranges from slightly below normal to slightly normal. The basin received below normal precipitation for the month. The Upper Tsaina SNOTEL received 1.3" of precipitation for the month, which is less than half of normal, while May Creek received 0.5" or 80% of the average for the month.

The Alaska Range courses held steady during March and averaged 87% of normal, up 1% from last month. Paxson snow course was measured with 4 more inches of snow than last month with 31 inches of snow and 7.0 inches of water content, 101% of normal. The four snow courses in the Alaska Range average 87% of normal.

Like the last two months, the basin floor ranged varied greatly from east to west. In the west, Little Nelchina snow course was 73% of normal while Tazlina snow course was 137% of normal. On a whole, the basin floor sites average 102% of normal, the same as last month.

The Chugach sites were below normal. Upper Tsaina SNOTEL has 51" of snow with 16.2" of water content, 84% of 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	4/3/2015	17	3.7*	18	4.5	20	3.5
Chokosna	1550	3/29/2015	16	5.2	18	5.1	15	3.8
Dadina Lake	2160	4/2/2015	27	5.5*	28	6.5	28	6.3
Fielding Lake	3000	4/3/2015	37	9.2*	42	11.4	40	9.9
Fielding Lake SNOTEL	3000	4/1/2015	34	10.5	---	---	---	---
Haggard Creek	2540	4/3/2015	26	5.5	24	6.1	28	5.5
Kenny Lake School	1300	4/1/2015	16	4.2	20	5.1	16	3.6
Little Nelchina	2650	4/1/2015	17	3.8	22	4.2	26	5.2
Long Glacier	4820	3/29/2015	33	10.9*	40	10.2	---	---
May Creek	1610	4/1/2015	17	4.1	22	5.5	---	5.5
Mentasta Pass	2430	4/3/2015	18	4.0*	29	7.6	27	6.2
Monsoon Lake	3100	4/2/2015	22	5.5*	21	8.4	30	6.4
Notch	2643	3/29/2015	3	0.8	12	3.5	---	---
Paxson	2650	4/3/2015	31	7.0	32	8.4	31	6.9
Sanford River	2280	4/2/2015	25	5.6*	24	5.5	28	6.0
St. Anne Lake	1990	4/2/2015	24	5.0*	26	5.5	23	4.8
Tazlina	1250	4/1/2015	16	5.2	18	4.8	14	3.8
Tebay Lake	1930	3/29/2015	50	13.4*	63	18.1	---	---
Tolsona Creek	2000	4/1/2015	22	4.6	23	5.4	22	4.2
Tsaina River	1650	4/1/2015	41	12.3*	51	15.0	56	17.0
Twin Lakes	2400	4/2/2015	16	4.3*	26	5.1	26	6.4
Upper Tsaina River	1750	4/1/2015	51	16.2	58	18.5	---	19.4
Worthington Glacier	2100	4/1/2015	56	17.8	66	24.0	75	24.6

*Estimate

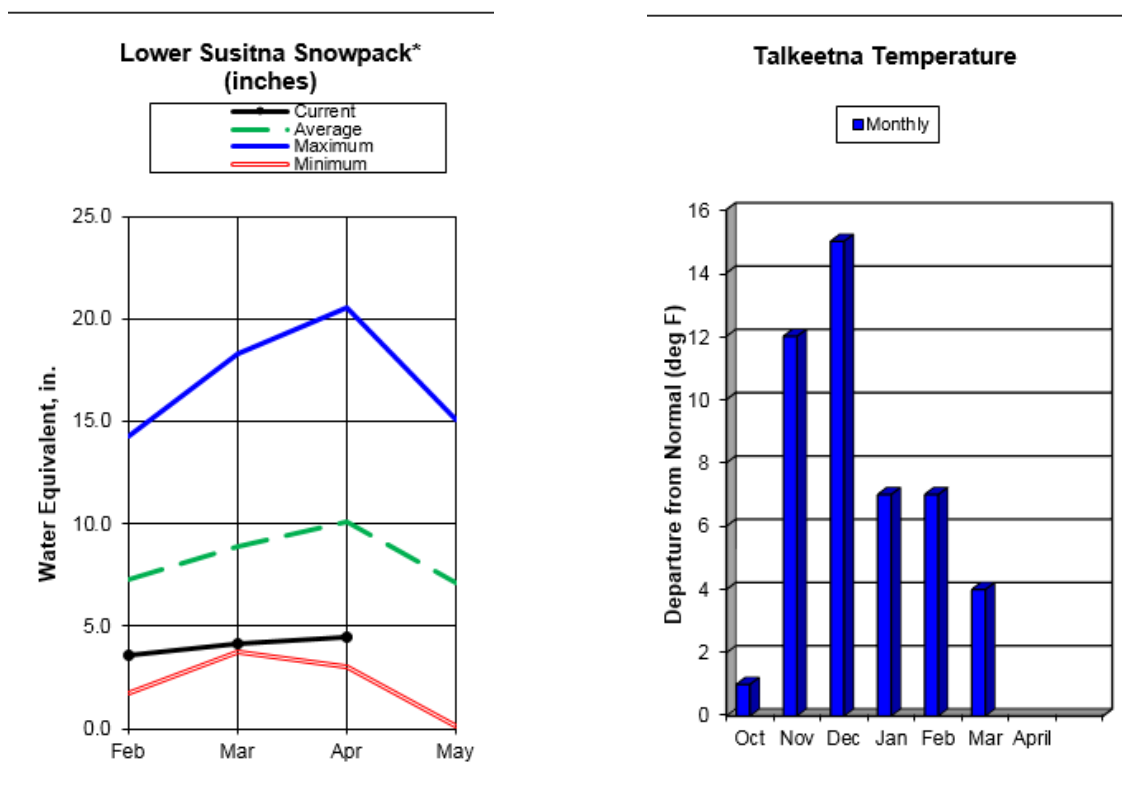
Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Gulkana River at Sourdough	Apr- Jul	90	124	56	395	440

Precipitation

Site Name	Elev.	Inches Accumulated since October 1st			
		This Year	Last Year	1981-2010 Normal	% of Normal
May Creek	1610	5.1	8.4	6.1	84%
Upper Tsaina River	1750	19.7	36.0	27.0	73%

Matanuska—Susitna Basin



Snow pack

The snowpack across the Matanuska and Susitna Basins continues to be well below normal.

Like last month, the lower Susitna Basin snow courses average to 50% of normal. Su Valley High SNOTEL with 28 years of observations reported 10" of snow and 4.6" of water content, 48% of normal and a new record low snowpack.

In the Matanuska Basin, the southern Talkeetna Mountains are below normal as well. Independence Mine snow course gained 9" and 3.2" of water during March and now has 49" of snow with 14.9" of water content, 75% of normal. Point Mackenzie, surprisingly, also made gains during the month and now has 5" of snow with 2.4" of water content, 46% of normal.

An early March snowstorm helped the upper Susitna basin fare better. The 10 sites measured in this area averaged 77% of normal. The East Fork of the Chulitna snow course gained 10" of snow depth and 3.6" of water content during the month and was measured with 41" of snow with 10.8" of water, or 89% of normal.

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	3/30/2015	17	5.6	31	9.4	42	12.0
Alexander Lake SNOTEL	160	4/1/2015	12	3.3	---	---	---	---
Archangel Road	2200	4/1/2015	33	9.0	38	11.0	44	12.2
Blueberry Hill	1200	3/31/2015	36	11.2	41	11.5	48	13.5
Chelatna Lake	1450	<i>No Survey</i>	---	---	19	6.1	45	11.0
Clearwater Lake	2650	4/2/2015	23	4.7	25	4.8	25	5.4
Curtis Lake	2850	4/2/2015	17	3.6*	21	4.1	25	4.6
Denali View	700	3/31/2015	25	7.0	31	9.1	40	12.1
Dunkle Hills	2700	<i>No Survey</i>	---	---	52	17.7	---	---
Dutch Hills	3100	<i>No Survey</i>	---	---	84	27.2	75	24.8
E. Fork Chulitna	1770	3/31/2015	41	10.8	45	12.7	47	12.1
Fishhook Basin	3300	4/1/2015	44	13.2	60	19.8	55	17.8
Fog Lakes	2120	4/2/2015	23	4.9	24	4.7	24	5.2
Halfway Slough	350	3/31/2015	0	0.0	16	4.5	---	---
Horsepasture Pass	4300	4/2/2015	18	3.1*	26	6.2	30	6.9
Independence Mine	3550	4/1/2015	49	14.9	66	22.1	64	19.8
Independence Mine SNOTEL	3550	4/1/2015	35	10.0	56	17.4	---	11.3
Lake Louise	2400	4/1/2015	22	4.0	24	4.7	22	4.6
Little Susitna	1700	4/1/2015	26	7.2	35	9.9	39	10.1
Monahan Flat	2710	4/1/2015	24	---	29	---	---	---
Nugget Bench	2010	<i>No Survey</i>	---	---	35	10.9	50	14.6
Point Mackenzie	250	4/1/2015	5	2.4	18	4.9	---	5.2
Ramsdyke Creek	2220	<i>No Survey</i>	---	---	51	16.3	64	20.0
Skwentna	160	3/30/2015	19	5.6	30	8.5	45	11.9
Square Lake	2950	4/2/2015	16	3.7	21	5.0	21	4.0
Susitna Valley High	375	4/1/2015	10	4.6	24	8.3	---	8.6
Talkeetna	350	3/31/2015	10	3.2	20	5.6	26	6.4
Tokositna Valley	850	4/1/2015	35	10.6	36	9.6	---	12.4
Tyone River	2400	4/2/2015	15	4.0*	---	---	21	5.0
Upper Oshetna River	3150	4/2/2015	11	2.8*	23	4.5	20	4.6
Upper Sanona Creek	3100	4/2/2015	16	3.6*	29	5.9	28	5.6
Willow Airstrip	200	3/31/2015	11	3.7	25	7.2	28	6.9

*Estimate

Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Little Susitna River near Palmer	Apr-Jul	79	105	52	65	82
Talkeetna River near Talkeetna	Apr-Jul	83	99	66	1300	1570

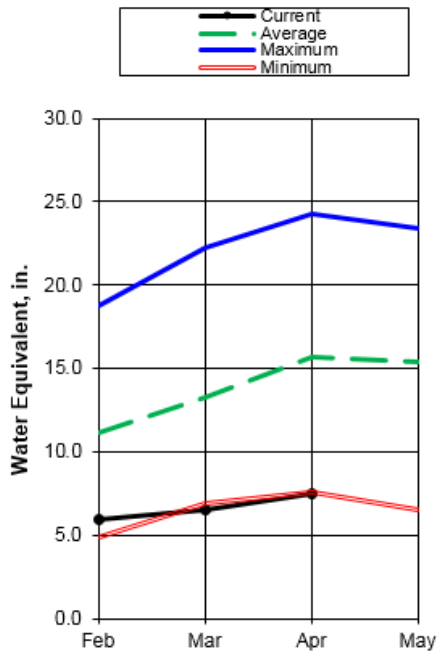
Precipitation

Inches Accumulated since October 1st

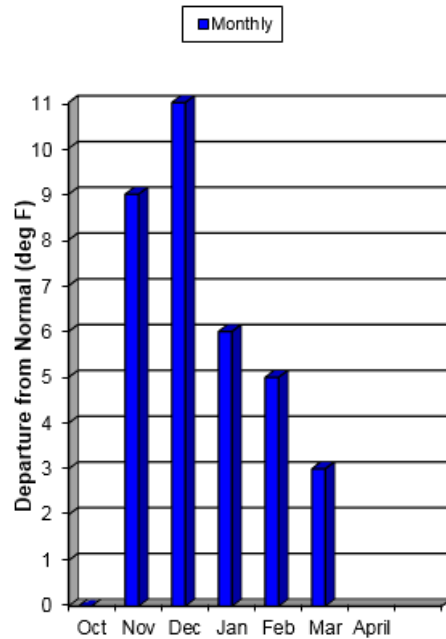
Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Alexander Lake	160	9.8	---	---	---
Independence Mine	3550	12.1	23.9	15.3	79%
Monahan Flat	2710	4.5	7.3	8.1	56%
Susitna Valley High	375	7.9	17.6	11.9	66%
Tokositna Valley	850	13.0	28.8	19.0	68%

Northern Cook Inlet

Ship Creek Snowpack* (inches)



Anchorage Temperature



Snow pack

Snow Conditions in Northern Cook Inlet are still much below normal. The 18 snow sites in the basin averaged only 29% of normal, about the same as the last two months.

Of the 17 sites measured, 10 sites tied or set new record lows. The Arctic Ski Bowl snow course, which began getting measured in 1964, has set a new record low with 20" of snow and 5.3" of water content or 42% of normal. Even though Mt. Alyeska SNOTEL gained 10" of snow and 2.4" of water content, it is still only 14% of normal and continues to set a new record low for the 38 year old site.

Across the inlet, the snowpack is similar. Granite Point has no snow and the Chuitna Plateau and Lone Ridge Aerial Markers made only minor gains during the month. The area is considered to be 40% 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	4/1/2015	7	2.0	23	5.8	---	10.2
Arctic Ski Bowl	3000	3/31/2015	20	5.3	19	6.2	40	12.8
Arctic Valley #1	500	3/31/2015	0	0.0	9	3.3	14	3.6
Arctic Valley #2	1000	3/31/2015	0	0.0	18	3.9	18	4.8
Arctic Valley #3	1450	3/31/2015	7	1.3	20	4.8	28	7.2
Arctic Valley #4	2030	3/31/2015	9	2.4	16	4.0	28	7.2
Chuitna Plateau	1540	3/30/2015	33	12.9*	42	13.1	76	27.9
Congahbuna Lake	550	3/30/2015	13	4.5	22	6.9	38	10.6
Granite Point	250	3/30/2015	0	0.0	0	0.0	16	5.0
Indian Pass	2350	4/1/2015	50	12.6	48	12.1	---	22.0
Kincaid Park	250	4/2/2015	0	0.0	11	2.9	16	4.4
Lone Ridge	1675	3/30/2015	51	13.1*	60	18.8	79	32.3
Moraine	2100	4/1/2015	0	0.0	11	3.0	---	9.0
Mt. Alyeska	1540	4/1/2015	16	4.4	42	13.2	---	32.5
Point Mackenzie	250	4/1/2015	5	2.4	18	4.9	---	5.2
Portage Valley	50	3/30/2015	0	0.0	23	9.5	40	14.6
South Campbell Creek	1200	4/2/2015	0	0.0	15	3.8	28	6.9

*Estimate

Streamflow Forecasts

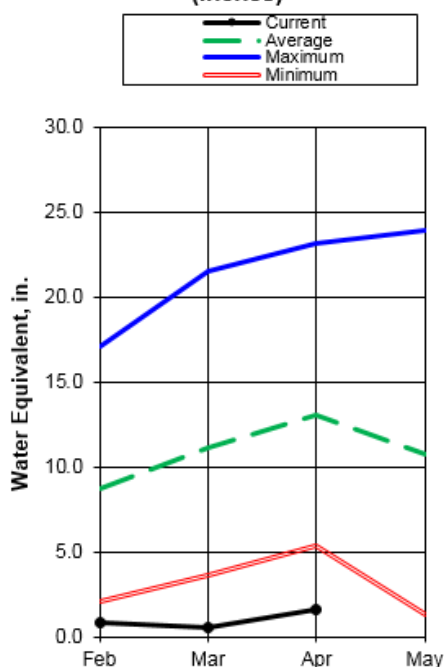
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Ship Creek near Anchorage	Apr- Jul	47	67	26	27	58

Precipitation

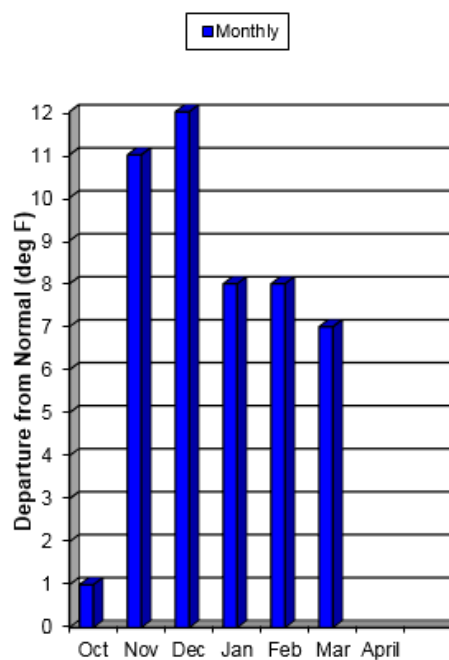
Site Name	Elev.	Inches Accumulated since October 1st			
		This Year	Last Year	1981-2010 Normal	% of Normal
Anchorage Hillside	2080	7.4	16.3	13.7	54%
Indian Pass	2350	17.2	27.7	25.4	68%
Moraine	2100	5.6	9.4	11.7	48%
Mt. Alyeska	1540	34.9	41.7	46.3	75%
Point Mackenzie	250	5.2	12.2	8.2	63%

Kenai Peninsula

Northern Kenai Mtn. Snowpack*
(inches)



Homer Temperature



Snow pack

The Kenai Peninsula snowpack made slight gains during March but still remains bleak. The peninsula's 20 sites average 18% of normal, up from 15% last month. Of the 20 measured sites, only one did not set or tie a new record low.

Bertha Creek was no longer snowless like last month, however. Bertha Creek now has 7" of snow with 1.8" of water content. The previous record low at this 45 year old snow course was set last year with 32" of snow with 8.4" of water content. Turnagain Pass SNOTEL received 5.2" of precipitation for the month, which is 84% of normal.

Nuka Glacier SNOTEL site south of Kachemak Creek saw 7" of precipitation during March, which is 115% of normal and now has 14" of snow with 4.3" of water content, 14% of normal and up from having no snow last month.

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	4/1/2015	15	5.3	27	8.6	---	11.9
Bertha Creek	950	4/1/2015	7	1.8	32	8.4	53	16.6
Bridge Creek	1300	4/1/2015	0	0.0	21	6.4	40	12.0
Cooper Lake	1200	4/1/2015	6	3.3	29	9.4	---	14.0
Demonstration Forest	780	4/1/2015	0	0.0	17	5.7	28	7.8
Eagle Lake	1400	4/1/2015	0	0.0	25	7.3	42	11.9
Exit Glacier	400	<i>No Survey</i>	---	---	27	9.2	51	18.2
Exit Glacier SNOTEL	400	4/1/2015	4	2.3	26	11.0	---	18.4
Grandview	1100	4/1/2015	16	3.6	39	11.7	---	32.0
Grouse Creek Divide	700	4/1/2015	5	1.2	33	10.8	---	17.7
Jean Lake	620	3/30/2015	0	0.0	0	0.0	15	3.3
Kachemak Creek	1660	4/1/2015	8	2.0	11	2.6	---	---
Kenai Moose Pens	300	4/1/2015	0	0.0	9	2.9	---	5.0
Kenai Summit	1390	4/1/2015	10	3.1	29	8.0	48	14.8
Mcneil Canyon	1320	4/1/2015	1	0.1	20	6.0	---	10.6
Middle Fork Bradley	2300	4/1/2015	12	---	23	---	---	---
Moose Pass	700	4/1/2015	0	0.0	12	2.0	22	6.6
Mt. Alyeska	1540	4/1/2015	16	4.4	42	13.2	---	32.5
Nuka Glacier	1250	4/1/2015	14	4.3	25	9.0	88	34.6
Pass Creek	1200	4/3/2015	1	0.4	---	---	33	9.0
Port Graham	300	4/1/2015	0	0.0	18	6.5	---	8.7
Portage Valley	50	3/30/2015	0	0.0	23	9.5	40	14.6
Resurrection Pass	2250	4/3/2015	19	5.5	---	---	38	10.4
Snug Harbor Road	500	3/30/2015	0	0.0	4	1.3	16	4.5
Summit Creek	1400	4/1/2015	10	4.9	26	5.8	---	11.1
Turnagain Pass	1880	4/1/2015	59	15.7	66	19.9	---	33.4

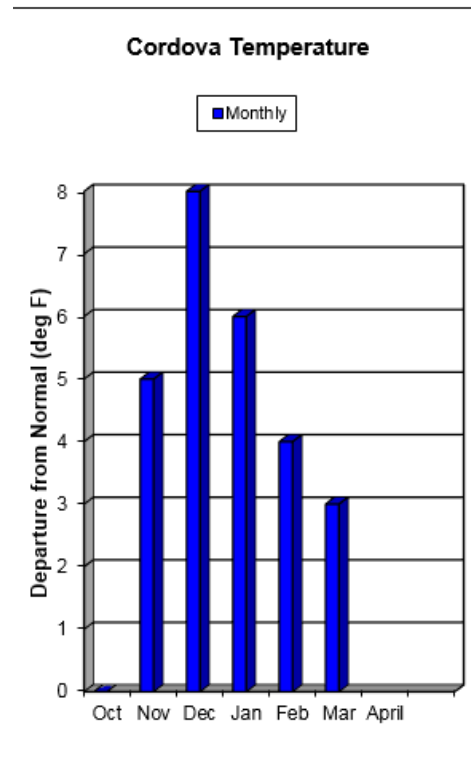
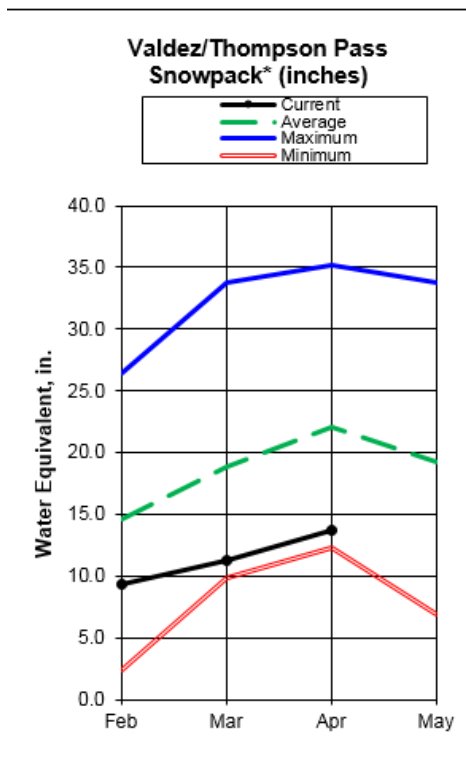
Streamflow Forecasts

Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Kenai River at Cooper Landing	Apr-Jul	76	89	63	725	960

Precipitation

Site Name	Elev.	Inches Accumulated since October 1st			
		This Year	Last Year	1981-2010 Normal	% of Normal
Anchor River Divide	1653	12.4	19.0	16.9	73%
Cooper Lake	1200	17.0	28.8	25.2	67%
Grandview	1100	39.5	35.1	40.3	98%
Grouse Creek Divide	700	31.8	42.0	37.5	85%
Kachemak Creek	1660	50.4	49.9	37.7	134%
Kenai Moose Pens	300	2.8	9.6	8.2	34%
Mcneil Canyon	1320	10.1	13.9	16.6	61%
Middle Fork Bradley	2300	31.7	34.8	32.5	98%
Nuka Glacier	1250	63.0	58.7	54.3	116%
Port Graham	300	40.4	48.8	48.4	83%
Summit Creek	1400	10.9	21.1	15.8	69%
Turnagain Pass	1880	31.3	37.4	40.5	77%

Western Gulf



Snow pack

The Western Gulf of Alaska and Prince William Sound area had normal precipitation but continues to have below normal snowpack. However, more precipitation fell in the western half of the sound and less in the eastern half.

Measured snowpack in Prince William Sound ranges from 9%-84% of normal. Like last month, though still low, the snow courses near Valdez were the most robust, and all measured around 60-80% of normal. Valdez Snow Course had 29" of snow with 10.1" of water content, 64% of normal. This sets a new record low for the site which began in 1971.

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	Con-
Exit Glacier	400	<i>No Survey</i>	---	---	27	9.2	51	18.2	
Exit Glacier SNOTEL	400	4/1/2015	4	2.3	26	11.0	---	18.4	
Grouse Creek Divide	700	4/1/2015	5	1.2	33	10.8	---	17.7	
Lowe River	600	3/31/2015	37	11.4	45	16.0	50	17.0	
Mt. Eyak	1405	4/1/2015	10	4.9	30	10.8	---	28.4	
Nuka Glacier	1250	4/1/2015	14	4.3	25	9.0	88	34.6	
Sugarloaf Mountain	550	4/2/2015	44	15.5	44	18.3	78	27.4	
Tsaina River	1650	4/1/2015	41	12.3*	51	15.0	56	17.0	
Upper Tsaina River	1750	4/1/2015	51	16.2	58	18.5	---	19.4	
Valdez	50	3/31/2015	29	10.1	38	13.8	51	15.7	
Worthington Glacier	2100	4/1/2015	56	17.8	66	24.0	75	24.6	

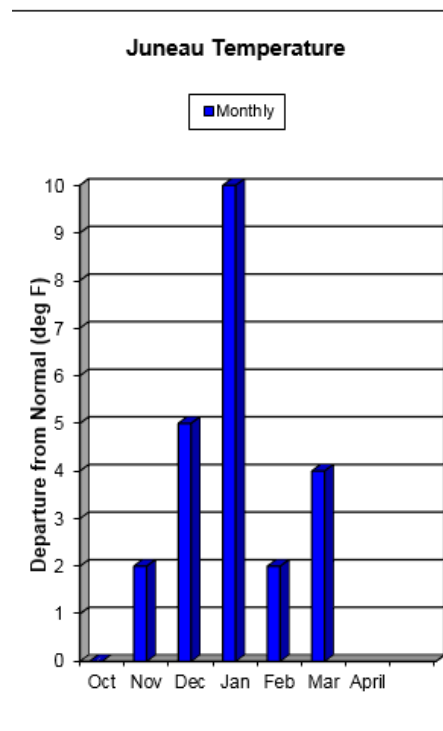
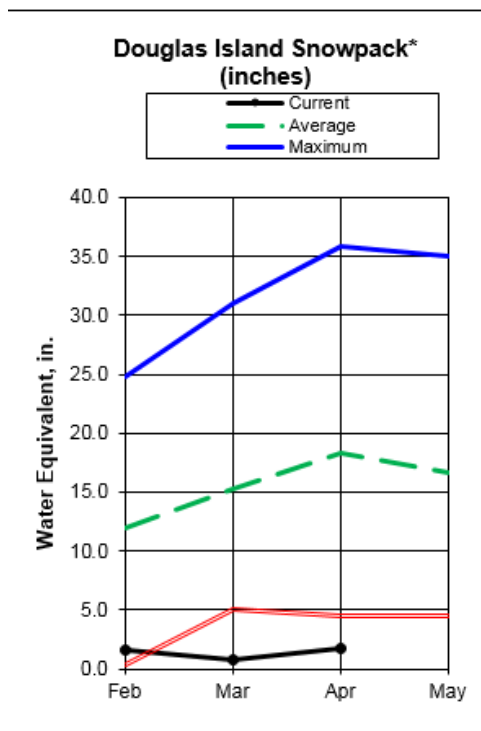
*Estimate

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Esther Island	50	88.6	93.9	80.5	110%
Grouse Creek Divide	700	31.8	42.0	37.5	85%
Mt. Eyak	1405	67.8	82.2	---	---
Nuchek	50	80.2	96.9	---	---
Nuka Glacier	1250	63.0	58.7	54.3	116%
Port San Juan	50	---	73.0	75.7	---
Seal Island	20	40.1	39.9	---	---
Strawberry Reef	30	47.4	40.4	---	---
Sugarloaf Mtn	550	33.6	57.7	40.5	83%
Tatitlek	50	41.5	53.8	40.0	104%

Southeast



Snow pack

The snowpack in Southeast Alaska continues to be paltry. Several new record lows continue to be set.

The 50 year old Speel River snow course, southeast of Juneau, was not measured but was reported to be mostly bare ground. Speel's previous low was in 1981 when it had 30" of snow and 11.8" of water content. On Douglas Island, a brief snowstorm gave Eaglecrest snow course 1" of snow, robbing it of tying the record low set in 1981. Higher up the mountain, Cropley Lake snow course gained 9" of snow over the month and 2.8" of water content. This is a new record low for the site, which began in 1977. The previous low had been set in 1981 with 39" and 13.5" of water content.

To the south, Petersburg Ridge had only 1" of snow with an estimated water content of 0.2", less than 1% of normal. This is a record low for the 37 year old snow course. Neither of the snow courses near Wrangell have snow, but blueberry bushes were reported blooming at 1200'.

To the north near Skagway and closer to the colder temperatures of the continent, Moore Creek Bridge snow course is 71% of normal with 48" of snow and 15.2" of water content. Twelve miles further inland and up at 2900', Log Cabin snow course in Canada is 84% of normal with 46" of snow and 13.4" of water content.

The low snowpack this year continues to be driven by warm temperatures and not by a lack of precipitation. Precipitation is near above normal for the region.

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	3/31/2015	14	4.8	86	28.7	83	30.4
Eagle Crest	1200	3/31/2015	1	0.2	59	19.7	50	18.6
Fish Creek	500	3/31/2015	0	0.0	1	0.4	11	2.7
Institute Creek	1350	4/1/2015	0	0.0	30	11.1	---	---
Long Lake	850	4/1/2015	40	15.6	102	35.0	---	39.4
Moore Creek Bridge	2250	3/30/2015	48	15.2	49	19.2	65	21.3
Petersburg Reservoir	550	3/31/2015	0	0.0	9	3.2	1	0.2
Petersburg Ridge, S.	1650	3/31/2015	1	0.2	61	20.7	74	27.4
Rainbow Falls	500	4/1/2015	0	0.0	0	0.0	---	---
Speel River	280	<i>No Survey</i>	---	---	76	31.8	66	26.5
West Creek	475	3/30/2015	0	0.0	---	---	---	---

**Estimate*

Streamflow Forecasts

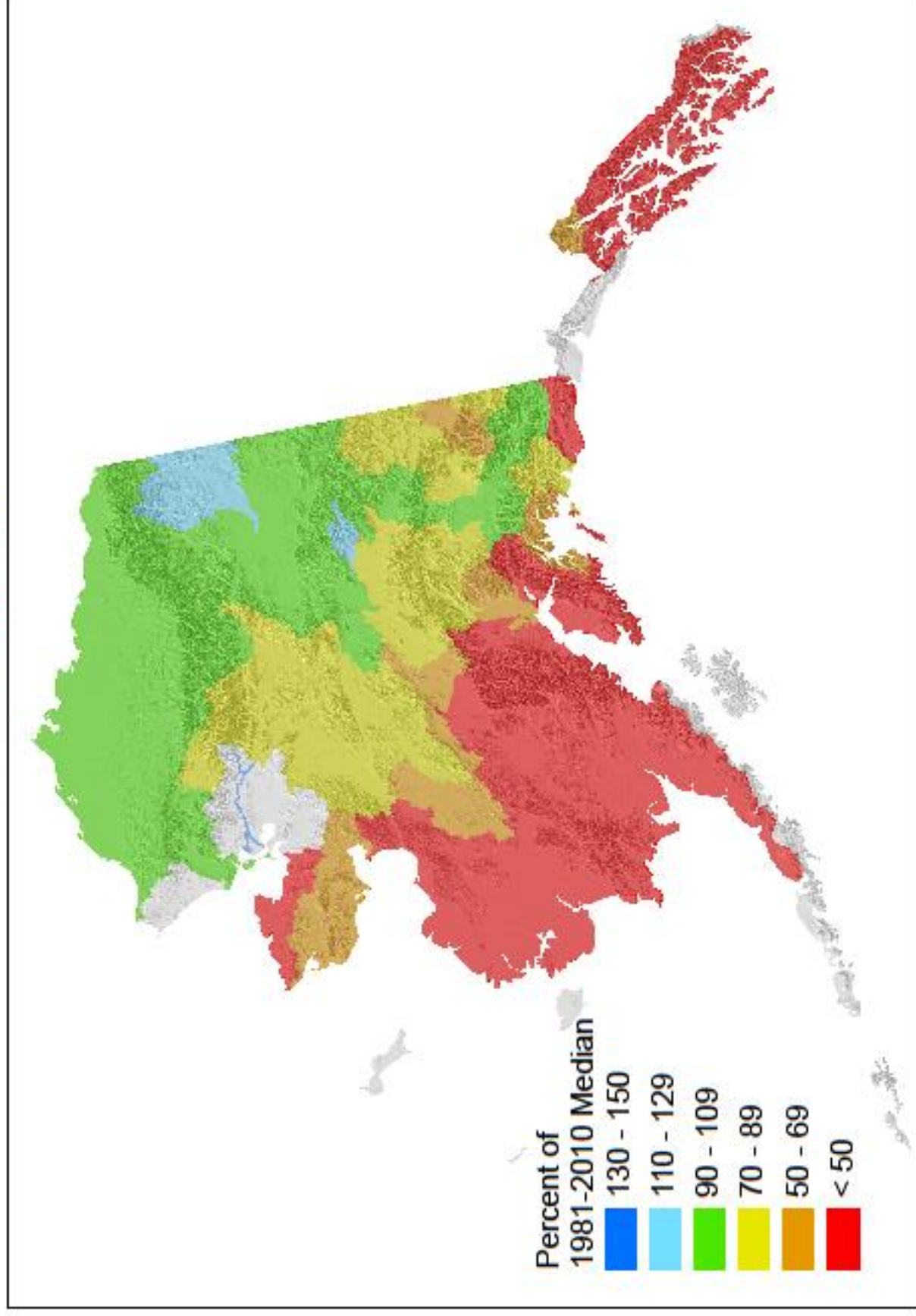
Forecast Point	Forecast Period	% of Average	Maximum(%)	Minimum(%)	50% Exceedance (KAF)	30yr Average (KAF)
Gold Creek near Juneau	Apr-Jul	59	82	36	20	34

Precipitation Data

Site Name	Elev.	Inches Accumulated since October 1st			
		This Year	Last Year	1981-2010 Normal	% of Normal
Long Lake	850	102.2	92.4	97.7	105%
Moore Creek Bridge	2250	27.1	24.8	27.4	99%

Alaska Snowpack as of April 1, 2015

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: <http://www.wcc.nrcs.usda.gov/>

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

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