

Alaska Snow Survey Report



Natural
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May 1, 2014

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Cover photo: While most of the state has lower than normal snowpack, there was plenty of snow at Hatcher's Pass during the May 1, 2014 snow survey. Independence Mine snow course was measured with 63" of snow and 23.3" of water content, 107% of normal, though only 93% of last years snowpack at this time.

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General Overview

SnowPack

The snowpack across most of the state greatly diminished across the state. Due to warm temperatures during the second half of April, most low elevation sites in the Interior, Western Alaska, Southcentral and Southeast Alaska have melted out. The exception to this is the Arctic, which retains near normal snowpack, though is expected to rapidly meltout.

Snowpack at higher elevation sites is variable across the state. The Copper Valley retains normal snowpack along the Alaska Range but below normal snowpacks in the Talkeetnas and Chugach Range. Similarly, the Tanana Valley has a few areas with near normal snowpacks, mainly in the upper valley, but most of the lower basin is experiencing below normal snowpacks.

The Koyukuk basin is also now below normal. The lower basin has melted out and the upper basin, above Bettles, is around 80% of normal.

Northern Cook Inlet and the Kenai Peninsula mountains have less than half normal snow pack. Many sites are at a quarter of normal snowpack.

Lower elevation snowpacks in Southeast Alaska have melted out, but higher elevation sites are near normal. It is likely this trend diminishes to the south where higher elevation sites will have less snow.

The snowpack in the upper Yukon Basin is variable. The snowpack in the western half of the basin is below normal after experiencing advanced meltout. The Stewart, Pelly, And Yukon Basin above Whitehorse is near or above normal.

Precipitation

Most of Alaska received below normal precipitation for the month of April. This is the third month in a row of below normal precipitation for the state.

Most sites in the Interior of Alaska received between one-quarter to one-half normal precipitation. This is typified by Upper Nome Creek which caught 0.6" of precipitation which is 48% of normal. The ten Tanana basin stations average 46% of normal precipitation.

Likewise, the eleven Kenai stations averaged 39% of normal; the Northern Cook Inlet sites averaged 35% of normal; the Arctic stations averaged 44% of normal; the Susitna basin stations 42% of normal.

Southeast Alaska received near normal precipitation. Southeast of Juneau, Long Lake SNOTEL site measure 8.9" of precipitation, 128% of normal. Moore Creek Bridge SNOTEL, north of Skagway, measured 1.8" of precipitation or 80% of normal.

Temperature

Across Alaska, temperatures during April were near or above normal. Much of Alaska was moderated and didn't see extreme departures from normal. Cordova, Juneau, Anchorage, Gulkana and Whitehorse were all within 1°F of normal for the month.

The regions most above normal were western Alaska and the Arctic. Bethel was 9°F above normal for the month; Nome was 11°F above; Barrow was 6°F above normal.

There were also other areas of the state which were less above normal. Fort Yukon, Bettles and Homer were 4°F above normal for April; Fairbanks and Bettles were 3°F above.

Streamflow Forecasts

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	98	May- July
Porcupine River nr Int'l Boundary.....	93	May- July
Yukon River near Stevens Village	96	May- July
Tanana River at Fairbanks	97	May- July
Tanana River at Nenana	98	May- July
Little Chena River near Fairbanks	106	May- July
Chena River near Two Rivers	102	May- July
Salcha near Salchaket	90	May- July
Sagvanirktok River near Pump Station 3	115	May- July
Kuparuk River near Deadhorse	110	May- July
Kuskokwim River at Crooked Creek	55	May- June
Gulkana River at Sourdough	106	May- July
Little Susitna River near Palmer	98	May- July
Talkeetna River near Talkeetna	99	May- July
Ship Creek near Anchorage	54	May- July
Kenai River at Cooper Landing	74	May- July
Gold Creek near Juneau	100	May- July

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

FORECAST POINT	INDEX	Index	Key:
Koyukuk River at Hughes.....	0.0		
MF Koyukuk R near Wiseman	0.0		
Slate Creek at Coldfoot.....	-0.5		
Beaver Creek above Victoria Creek.....	+0.6		
Birch Creek below South Fork.....	-0.5		
Caribou Creek at Chatanika.....	-2.0		
Susitna River near Gold Creek.....	-1.2	-2 to -3	much below average snow-melt runoff
Chulitna River near Talkeetna.....	-2.1		
Deshka River at mouth near Willow.....	-2.7		
Montana Creek at Parks Highway.....	-1.4		
Willow Creek near Willow.....	-1.5	-1 to -2	below average snowmelt runoff
Skwentna River at Skwentna.....	-2.5		
Chuitna River near Tyonek.....	-2.8		
Campbell Creek near Spenard.....	-2.3		
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.....	-2.8		
Resurrection Creek near Hope.....	-2.8	+1 to +2	above average snowmelt runoff
Grouse Ck at Grouse Lake Outlet nr Seward	-2.3		
Anchor River near Anchor Point	-2.8		
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	-0.6		

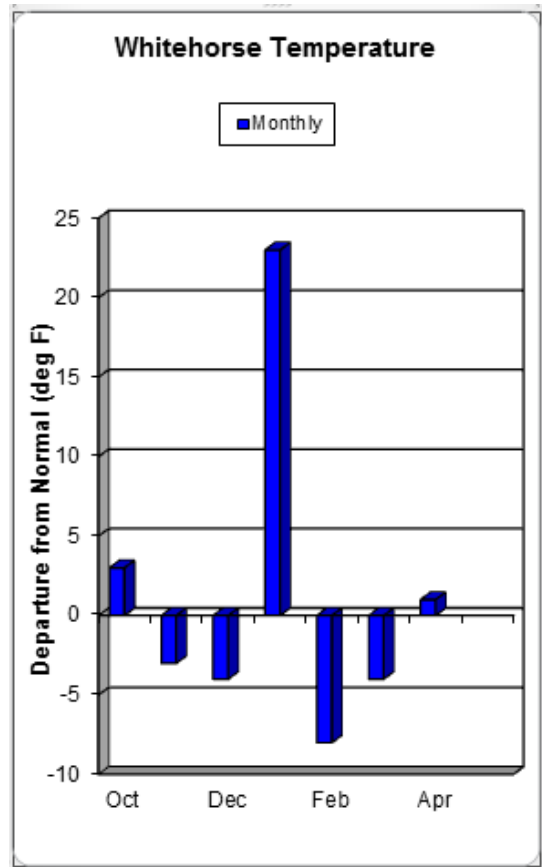
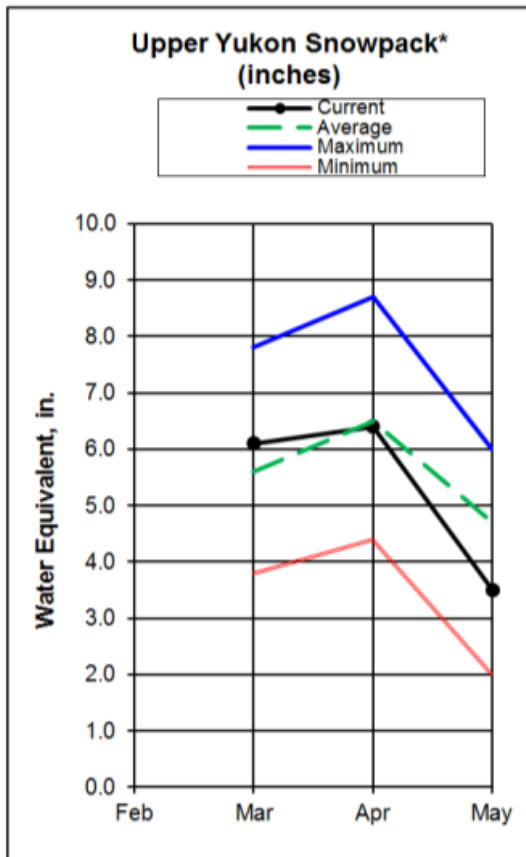
HOW FORECASTS ARE MADE

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 variable snowpacks. Most areas have experienced advanced meltout while other areas have snowpacks which are still near or above normal.

Areas with advance meltout are mainly in the western half of the basin and include the area around Dawson, the Porcupine Drainage and the White River area. The three snow courses around Dawson are all melted out. While this is not abnormal for Grizzly Creek and Kind Solomon Dome, it is the first time Midnight Dome snow course has been melted out May 1st since 1989. Of the 7 snow courses in the White River drainage, only Casino Creek had any snow. The last time most of these snow courses had melted out by May 1st was 2010.

Both the Yukon basin above Whitehorse and the Pelly and Stewart drainages retain normal or above normal snowpacks. The Yukon above Whitehorse is 121% of normal. Meadow Creek snow course had 48" of snow with 15.3" of water content which is 144% of normal. The Stewart/Pelly drainage's 13 snow courses averaged 98% of normal. Twin Creeks snow course had 16" of snow with 5.4" of water content or 95% of normal, but only half of last spring's water content.

Upper Yukon Basin

Snowpack Data

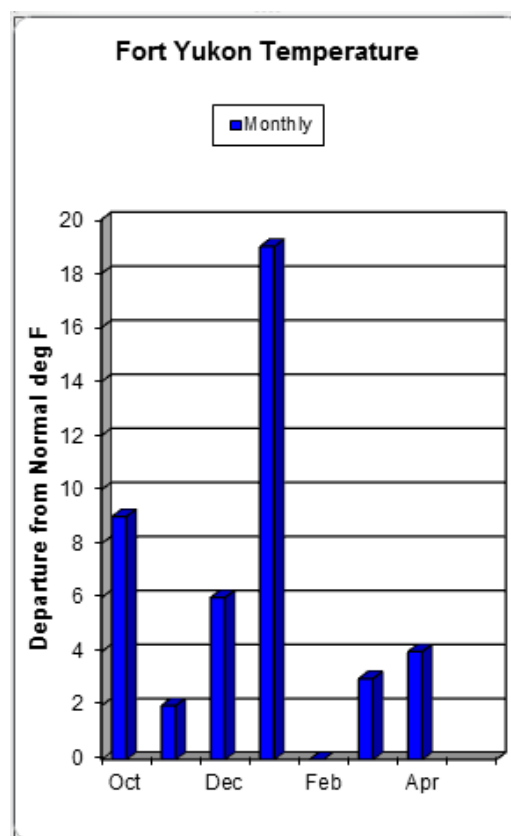
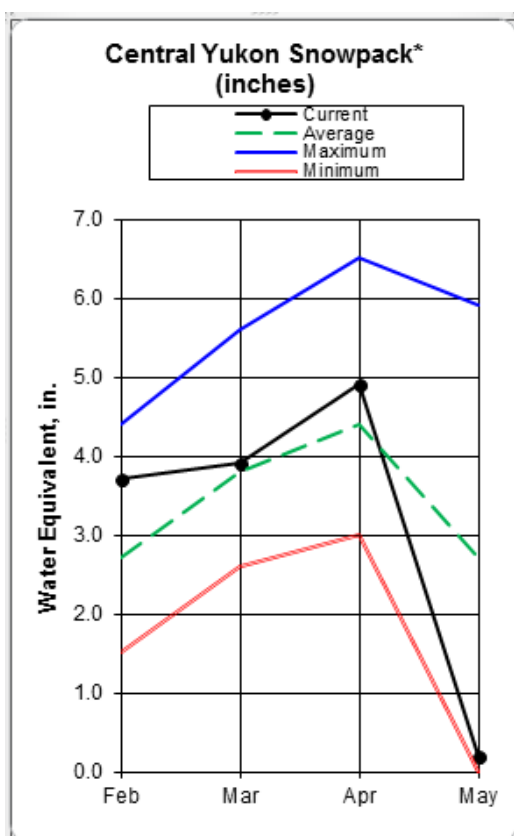
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
ARROWHEAD LAKE	3675	No Survey	---	---	---	---	---	7.9
ATLIN	2395	1-May	0	0	24	5	---	1.5
BEAVER CREEK	2150	29-Apr	0	0	18	4.1	---	1.3
BURNS LAKE	3650	30-Apr	33	10	44	11.3	---	8.4
BURWASH AIRSTRIP	2660	30-Apr	0	0	13	2.3	---	0.3
CALUMET	4300	30-Apr	32	8.1	30	7.6	---	7.7
CASINO CREEK	3495	29-Apr	22	5.9	32	5	---	4.6
CHAIR MOUNTAIN	3500	No Survey	---	---	25	4.9	---	1.4
DUKE RIVER	4300	No Survey	---	---	---	---	---	2.7
EAGLE PLAINS	2330	30-Apr	0	0	30	5.1	---	5
EAGLE RIVER	1115	30-Apr	18	4.8*	25	5	---	3.8
EDWARDS LAKE	2720	1-May	13	3.4	32	7.1	---	6.1
FINLAYSON AIRSTRIP	3240	30-Apr	11	2.9	32	7.3	---	2.8
FULLER LAKE	3695	1-May	34	9.4	38	9.3	---	8.1
GRIZZLY CREEK	3200	1-May	0	0	34	7.3	---	4.7
HOOLE RIVER	3400	30-Apr	22	5.8	41	10.4	---	3.6
JORDAN LAKE	3050	30-Apr	23	6.5	31	6.6	---	3.5
KING SOLOMON DOME	3540	29-Apr	0	0	37	8.7	---	4.2
LOG CABIN (B.C.)	2900	28-Apr	35	12.9	58	19.5	---	15.1
MACINTOSH	3805	30-Apr	0	0	31	5.1	---	1.9
MAYO AIRPORT	1770	30-Apr	0	0	16	4	---	0.7
MEADOW CREEK	4050	28-Apr	48	15.3	61	14.5	---	11.1
MIDNIGHT DOME	2805	29-Apr	0	0	40	10	---	5.1
MONTANA MTN.	3350	29-Apr	16	4.5	40	7.6	---	4.7
MORLEY LAKE	2700	28-Apr	18	6.3	35	8.6	---	3.4
MT. BERDOE	3395	29-Apr	0	0	31	5.8	---	2.5
MT. MCINTYRE B	3600	28-Apr	25	7.1	37	8.3	---	5.3
MT. NANSEN	3350	30-Apr	0	0	24	4.1	---	0.7
OLD CROW	980	No Survey	---	---	21	5.2	---	3.4
PELLY FARM	1550	26-Apr	0	0	17	3.5	---	0.6
PLATA AIRSTRIP	2725	1-May	12	3.9	34	8.7	---	5.9
RACKLA LAKE	3410	1-May	25	6.3	31	6.7	---	8.1
RIFFS RIDGE	2130	30-Apr	0	0	32	5.4	---	4.5
RUSSELL LAKE	3480	1-May	30	8.6	41	9.8	---	7.9
SATASHA LAKE	3630	30-Apr	0	0	24	4.5	---	1.8
SUMMIT	985	30-Apr	15	3.8	32	6.8	---	6.6
TAGISH	3540	29-Apr	19	5.3	42	9.9	---	4.8
TWIN CREEKS	2950	1-May	16	5.4	39	10.1	---	5.9
WHITEHORSE AIRPORT	2300	28-Apr	3	0.8	21	4.7	---	0.9
WILLIAMS CREEK	3000	29-Apr	0	0	26	4.8	---	2
WITHERS LAKE	3200	1-May	26	7.5	33	8	---	9.2

*Estimate

Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Yukon R at Eagle	MayJul	35200	29700	31300	98	32900	273000	3200

Central Yukon Basin



Snow pack

The Central Yukon Basin snowpack diminished during April. This is due to a warm second half of April with little precipitation.

American Creek SNOTEL, near Eagle, had 4" of snow with 0.9" of water content and later melted out on May 2nd. Fort Yukon SNOTEL site melted out on May 2nd as well which is normal. Coal Creek had 4" of snow and 1.3" of water content. Last year it had 21" of snow and 4.4" of water content.

On the western edge of the basin, Seven Mile Snow Course had melted out while Hess Creek snow course had 15" of snow and 3.6" of water content. Upper Nome Creek SNOTEL had 10" of snow compared to 25" last year.

On the upper Porcupine drainage, both Eagle Plains and Riff's Ridge snow courses have melted out, while the Eagle River Snow Course still had 18" of snow with 4.8" of water content.

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	1-May	4	0.9	21	3.6	---	---
ATIGUN PASS	4800	1-May	41	---	38	---	---	---
CATHEDRAL CREEK	1800	29-Apr	6	2	27	7.4	---	---
COAL CREEK	1000	29-Apr	4	1.3	21	4.4	---	---
COPPER CREEK	2000	29-Apr	0	0	26	5.2	---	---
CRESCENT CREEK	2600	29-Apr	0	0	22	5.4	---	---
EAGLE SUMMIT	3650	1-May	11	---	13	---	---	---
FORT YUKON	430	1-May	6	---	19	---	---	---
HESS CREEK	1000	30-Apr	15	3.6	24	5.4	10	2.6
LOWER BEAVER CREEK	400	29-Apr	0	0	---	---	---	---
MISSION CREEK	900	<i>No Survey</i>	---	---	16	3.7	0	0
OLD CROW	980	<i>No Survey</i>	---	---	21	5.2	---	3.4
SEVEN MILE	600	2-May	0	0	24	5.8	12	3.4
STEP MOUNTAIN	2850	29-Apr	5	1.6	29	7.4	---	---
THIRTY MILE	1350	2-May	13	3.4	26	6.2	28	6.6
THREE FINGERS	3350	29-Apr	6	2	39	8.4	---	---
UPPER NOME CREEK	2520	1-May	10	---	25	---	---	---

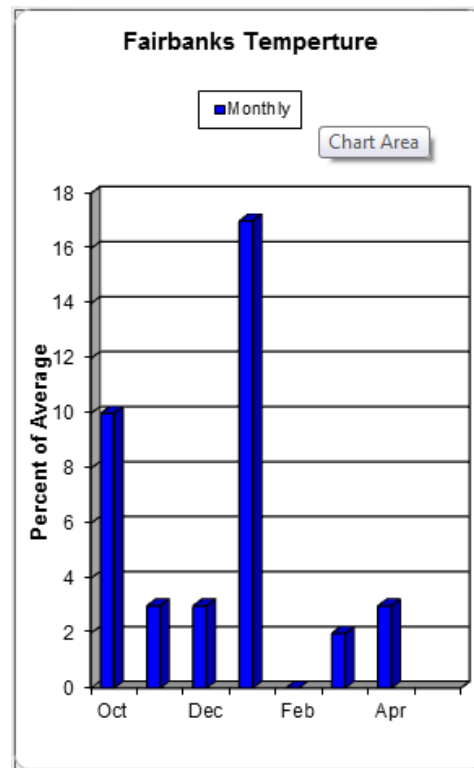
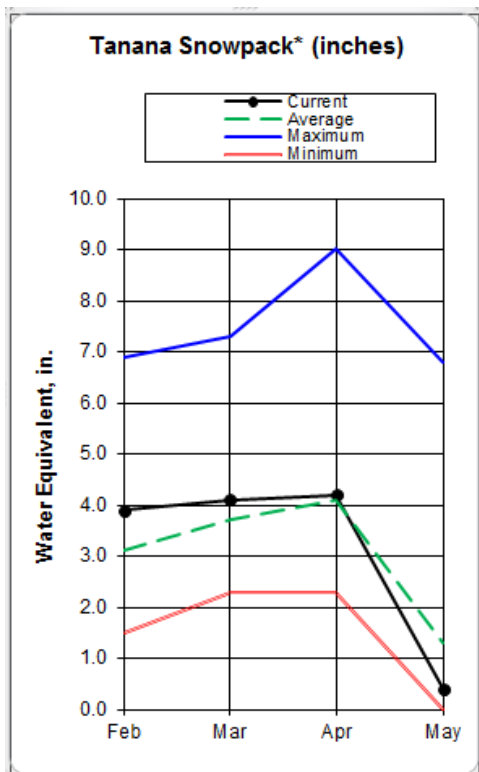
Streamflow Forecasts

Forecast Points	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Porcupine R nr Intl Boundary	MAY-JUL	3640	4560	5210	93%	6200	7770	5600
Yukon R nr Stevens Village	MAY-JUL	38400	42100	44700	96%	47200	51000	46800

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
AMERICAN CREEK	1050'	0.1	—	—	4.1	—	—	3.8
ATIGUN PASS	4800'	0.5	1.12	45%	5.4	6.68	81%	4.9
EAGLE SUMMIT	3650'	0.5	0.65	77%	6	5.93	101%	5.7
FORT YUKON	430'	0.1	0.38	26%	5	3.94	127%	4.7
UPPER NOME CREEK	2520'	0.6	1.24	48%	9.5	6.48	147%	6.7
Basin Index				50%			112%	

Tanana Basin



Snow pack

Little precipitation during April, combined with warm temperatures has diminished the snowpack in the Tanana Valley. Despite this, the snowpack in several areas of the valley remain near or above normal.

The Tanana Valley above Tok is one part of the basin with normal to above normal snowpacks. Chisana SNOTEL site had 10" of snow with 3.4" of water content on May 1st which was 128% of normal. However, Chisana SNOTEL melted out on May 5, which is early for the site.

The Tanana Valley near Delta Junction is more mixed. Low Elevation areas have mostly melted out, while Fielding Lake, just north of Isabella Pass, had 42" of snow with 11.4" of water content or 12% of normal. Granite Creek SNOTEL site melted out on April 23rd, about a week early.

The lower Tanana Valley snowpack decreased sharply during April. Most low elevation sites are melted out. Higher elevation sites are variable. In the Chena basin, Little Chena Ridge SNOTEL melted out on April 27th, a week and a half early. Nearby Mount Ryan which is on a slope with a more northerly aspect, had 10" of snow with 4.2" of water content, 89% of normal.

The southern snow sites in the Valley were mostly melted out. Rock Creek Ridge and Rock Creek Bottom snow courses were both melted out. Kantishna SNOTEL site had 6" of snow on May 1 but melted out by May 4th. Lake Minichumina snow course, likewise had no snow.

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	<i>No Survey</i>	---	---	26	6.5	0	0
CARIBOU CREEK	1250	<i>No Survey</i>	---	---	17	5.1	0	0
CARIBOU SNOW PILLOW	900	<i>No Survey</i>	---	---	23	5	0	0
CHISANA	3320	1-May	10	3.4	14	3.4	---	2.8
FIELDING LAKE	3000	29-Apr	42	11.4	54	16.9	34	10.2
FORT GREELY	1500	29-Apr	0	0	18	4.3	0	0
FRENCH CREEK	1800	1-May	5	1.2	33	6.3	13	3.6
GERSTLE RIVER	1200	29-Apr	0	0	17	3.4	2	0.6
JATAHMUND LAKE	2180	<i>No Survey</i>	---	---	15	3.7	0	0.2
KANTISHNA	1550	29-Apr	6	1.7	---	---	9	2.2
LAKE MINCHUMINA	730	29-Apr	0	0	---	---	1	0.3
MENTASTA PASS	2430	29-Apr	12	3.9	29	7.4	14	3.9
MONUMENT CREEK	1850	1-May	0	0	24	5.9	---	2.1
MT. RYAN	2800	1-May	10	4.2	29	5.9	---	4.7
MUNSON RIDGE	3100	1-May	30	10	43	9.1	---	7.9
PARADISE HILL	2200	1-May	---	0	19	4.6	0	0
ROCK CREEK BOTTOM	2250	30-Apr	0	0	---	---	4	0.8
ROCK CREEK RIDGE	2600	29-Apr	0	0	---	---	8	1.9
SHAW CREEK FLATS	980	1-May	0	0	20	4	0	0
TEUCHET CREEK	1640	1-May	0	0	25	5	---	1.3
TOK JUNCTION	1650	29-Apr	7	1.9	22	5	0	0

**Estimate*

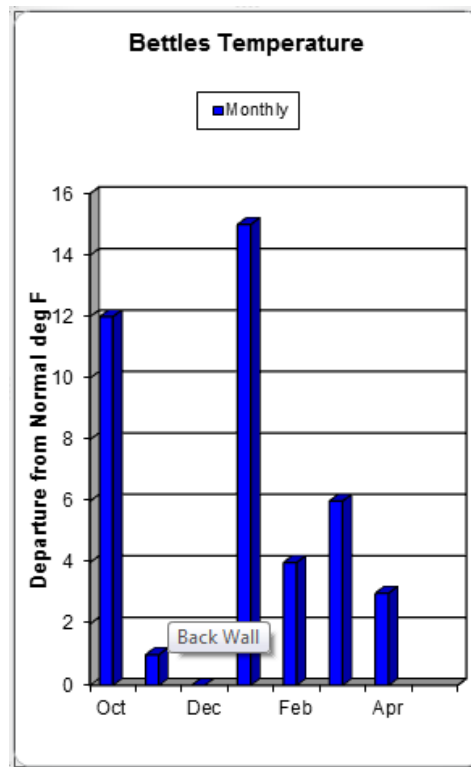
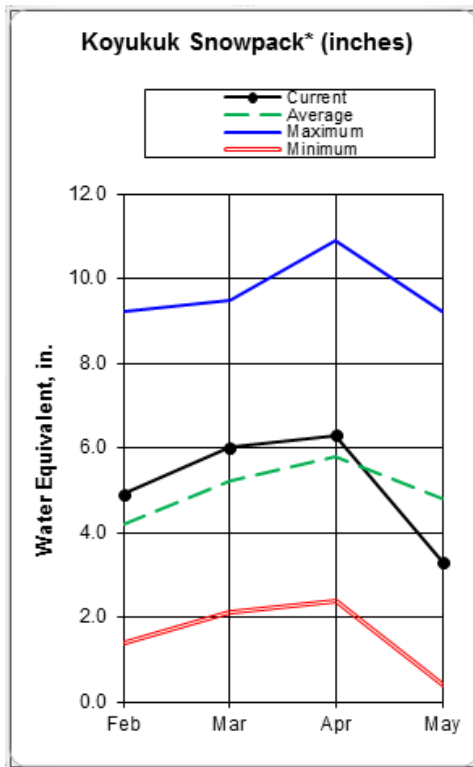
Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Chena R nr Two Rivers	MAY-JUL	172	224	260	102%	296	348	255
Little Chena R nr Fairbanks	MAY-JUL	53	67	76	106%	85	99	72
Salcha R nr Salchaket	MAY-JUL	375	470	535	90%	610	725	595
Tanana R at Fairbanks	MAY-JUL	5820	6400	6790	97%	7190	7770	7000
Tanana R at Nenana	MAY-JUL	7134	7852	8340	98%	8828	9547	8470

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
CHISANA	3320'	0.3	---	---	5.3	---	---	3.7
FAIRBANKS F.O.	450'	0.2	0.35	57%	5.2	4.88	107%	5.1
GRANITE CRK	1240'	0.4	0.33	121%	4.4	4.44	99%	4.2
KANTISHNA	1550'	0.4	0.48	83%	7	5.04	139%	6.7
LITTLE CHENA RIDGE	2000'	0.4	0.79	51%	4.7	6.23	75%	4.5
MONUMENT CREEK	1850'	0.3	0.7	43%	7.9	6.08	130%	6.5
MT. RYAN	2800'	0.4	0.61	66%	7.4	6.3	117%	5.9
MUNSON RIDGE	3100'	0.5	1.03	49%	10.7	8.6	124%	9.3
NENANA	415'	0.2	---	---	4.2	---	---	5.9
RHOADS CREEK	1225'	0.1	0.31	32%	3.6	3.88	93%	3.2
TEUCHET CREEK	1640'	0	0.66	0%	4.6	5	92%	5.3
TOK	1630'	0.4	---	---	5.2	---	---	3.6
UPPER CHENA	2850'	0.3	1.23	24%	10.7	7.9	135%	8.2
Basin Index				46%			113%	

Western Interior Basins



Snow pack

Koyukuk

The upper Koyukuk Basin snowpack is now below normal. The northern basin snow courses averaged are near 80% of normal. Coldfoot SNOTEL site received 0.2" inches of precipitation for the month, about 20% of normal and had 17" of snow with 5.2" of water content, 82% of normal.

The western part of the basin has largely melted out.

Kuskokwim

The Kuskokwim snowpack is marginal. Low elevation sites melted out in mid-April as did mid-elevation sites in the southern part of the drainage. Aniak SCAN melted out on April 13th, NWS's McGrath station melted out on April 23rd. Lake Minchumina Snow Course had no snow on May 1, either. Purkeypile mine aerial marker had 3" with an estimate water content of 1.3" which is less than half normal.

Lower Yukon

The Aerial Markers in the Nowitna National Wildlife Refuge have all melted out.

Precipitation

Site name	Elevation	March Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
ATIGUN PASS	4800'	0.6	0.78	77%	4.9	5.56	88%	4.0
BETTLES FIELD	640'	0.8	0.87	92%	9.0	6.71	134%	4.2
COLDFOOT	1040'	0.2	0.62	32%	8.8	6.33	139%	3.8
GOBBLERS KNOB	2030'	0.1	0.66	15%	9.4	6.76	139%	4.2
ANIAK	80'	0.9	---	---	13.3	---	---	9.2

Western Interior Basins

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
Koyukuk								
BETTLES FIELD	640	1-May	16	5.4	21	5.2	---	6.6
BONANZA FORKS	1200	2-May	0	0	19	4.9	16	4.2
CLOVERLEAF	170	29-Apr	0	0	9	2.5	---	---
COLDFOOT	1040	1-May	17	5.2	17	3.8	---	6.1
COLVILLE BEND	170	29-Apr	0	0	19	4.8	---	---
DISASTER CREEK	1550	1-May	11	2.8	12	2.8	14	3.4
GOBBLERS KNOB	2030	1-May	0	0	2	---	---	---
HUGGINS CREEK	290	No Survey	---	---	21	4.7	---	---
JR SLOUGH	160	29-Apr	0	0	19	5.3	---	---
KALDOYEIT	750	No Survey	---	---	6	1.8	10	2.8
KANUTI CHALATNA	670	No Survey	---	---	18	4.8	16	3.8
KANUTI KILOLITNA	550	No Survey	---	---	14	3.7	9	2.8
MINNKOKUT	580	No Survey	---	---	24	6.1	26	6.6
NOLITNA	560	No Survey	---	---	19	4.9	14	---
TABLE MOUNTAIN	2200	1-May	16	4.3	12	2.8	20	4.8
TAIHOLMAN	540	No Survey	---	---	3	0.6	0	0
TREAT ISLAND	190	29-Apr	0	0	10	2.8	---	---
Kuskokwim								
ANIAK	80	1-May	0	0.0	14	---	---	---
PURKEYPILE MINE	2025	29-Apr	3	1.2	---	---	9	2.6
TELAQUANA LAKE	1550	1-May	0	0	---	---	---	---
Lower Yukon								
DEER CREEK	195	29-Apr	0	0	17	4.6	---	---
GROUCH CREEK	220	No Survey	---	---	30	8.4	0	0
HOLIKACHUK	100	1-May	0	0	29	9.1	9	3.2
HORSEFLY CREEK	180	No Survey	---	---	27	8.2	0	0
INNOKO INN	200	No Survey	---	---	17	4.9	---	---
LITTLE MUD RIVER	855	29-Apr	0	0	18	4.3	---	---
LOWER NOWITNA RIVER	205	29-Apr	0	0	17	4.7	---	---
MENOTL CREEK	380	No Survey	---	---	---	---	16	6.4
MIDDLE INNOKO	150	No Survey	---	---	33	9.5	0	0
NINEMILE ISLAND	140	29-Apr	0	0	21	5.6	---	---
PIKE TRAP LAKE	130	29-Apr	0	0	7	2	---	---
SQUIRREL CREEK	150	29-Apr	0	0	19	5.5	---	---

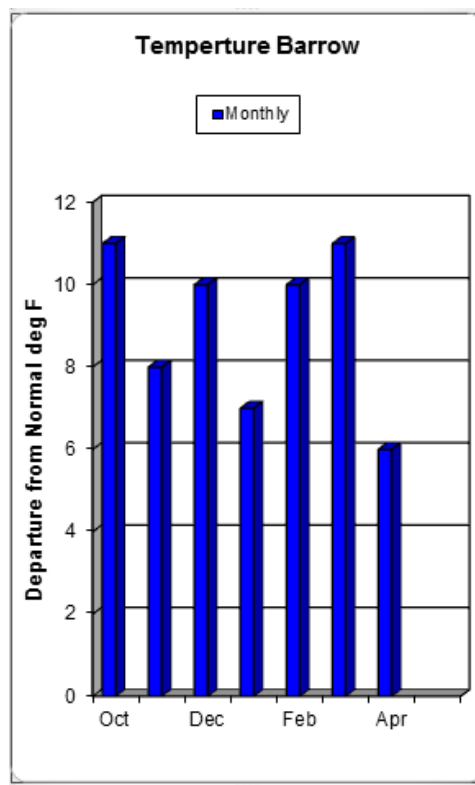
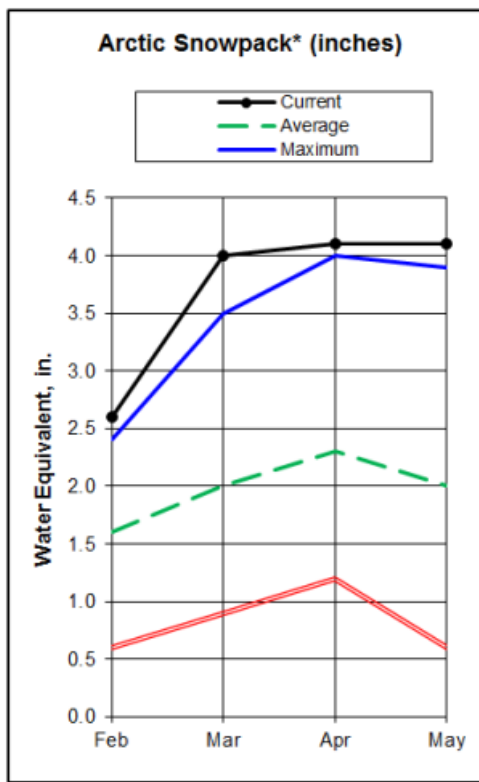
Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average (in)	% Average	Last Year (in)
ANIAK	80'	0.1	---	---	13.4	---	---	9.23
ATIGUN PASS	4800'	0.5	1.12	45%	5.4	6.68	81%	4.9
BETTLES FIELD	640'	0.4	0.92	43%	9.4	7.63	123%	4.7
COLDFOOT	1040'	0.2	1	20%	9	7.33	123%	4.2
GOBBLERS KNOB	2030'	0.2	0.86	23%	9.6	7.62	126%	4.8

Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kuskokwim R at Crooked Creek	MAY-JUN	335	3210	5170	55%	7130	10000	9400

Arctic and Kotzebue Sound



Snow pack

Arctic

Only about half of normal precipitation fell in the Arctic during April. Snowpack remains near normal, but with above normal temperatures an early breakup is expected.

Kotzebue

The lower Kotzebue Sound area continues to have low snowpacks, though the northern part appeared to have near normal snowpack mid April. The Red Dog snow measurement site, measured mid-month, had 19" of snow with 6.7" of water content, which is the average for the site. The snowpack at Kelly Station SNOTEL site, near the Noatak River, peaked on April 15 and melted out on May 2. Kelly Station peaked May 21st last year during 2013's cold spring.

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	1-May	28	---	45	---	---	---
KELLY STATION	310	1-May	8	2.1	13	2.1	---	---
PRUDHOE BAY	30	1-May	22	---	19	---	---	---
RED DOG		18-Apr	19	6.7	17	4.9	25	6.4
SAGWON	1000	1-May	19	---	25	---	---	---

**Estimate*

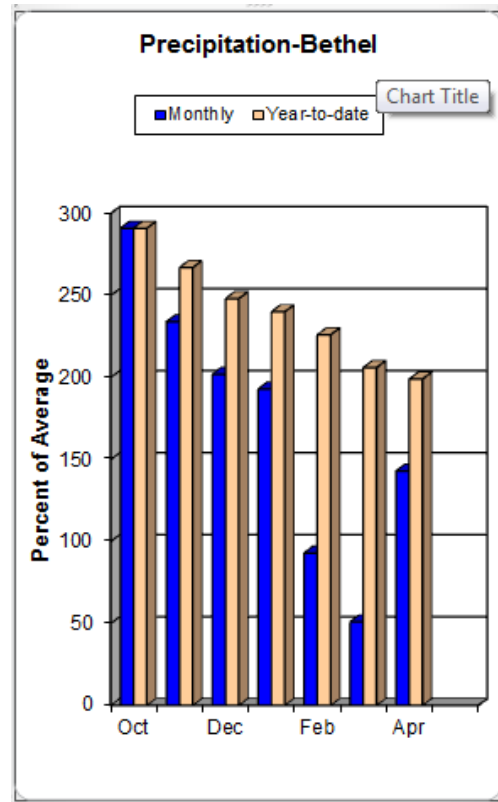
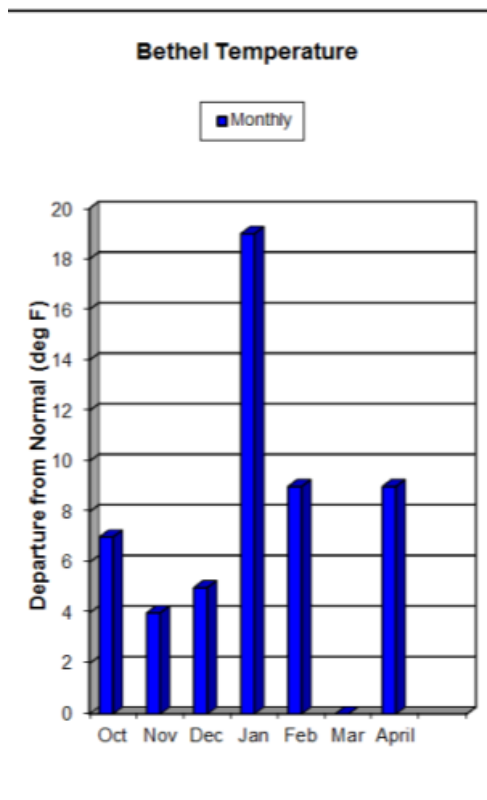
Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kuparuk R nr Deadhorse	MAY-JUL	615	760	875	110%	1010	1250	795
Sagavanirktok R nr Pump Station 3	MAY-JUL	532	671	785	115%	919	1158	683

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
ARCTIC AND KOTZEBUE SOUND	Elevation	Current (in)	Average (in)	% Average	Current (in)	Average (in)	% Average	Last Year (in)
Arctic								
ATIGUN PASS	4800'	0.5	1.12	45%	5.4	6.68	81%	4.9
IMNAVIAT CREEK	3050'	0.1	0.36	28%	3.3	3.25	102%	3.3
PRUDHOE BAY	30'	0.3	0.61	49%	3.4	4.07	84%	3.6
SAGWON	1000'	0.2	0.4	50%	3.3	3.41	97%	3.7
Kotzebue Sound								
KELLY STATION	310'	0.2	—	—	8.9	—	—	3.1
PORT RED DOG	50'	0.74	0.69	107%	5.2	4.23	122%	3.8
RED DOG MINE	950'	0.6	0.95	63%	9.4	5.27	178%	7.4

Norton Sound/Y-K Delta/Bristol Bay



Snow pack

Norton Sound

Rocky Point SNOTEL site melted out on April 22 and Pargon Creek melted out on April 20th, about 1 month early. Precipitation was variable, with some areas receiving almost none and others above normal amounts.

Yukon Kuskokwim Delta

Very little snow remains in the Y-K Delta. The NWS site at Bethel last appears to have melted out on April 2nd. The new Kanaryagak SCAN site, 17 miles southeast of Chevak, melted out on April 16th.

Bristol Bay

Bristol Bay did receive precipitation during April, but little of it came as snow, and that only at higher elevations. Weary Lake SCAN which had 62" of snowpack last May 1st, received 6.7" of precipitation during the month, but the melted out April 29th. All the snow sites on the eastern half of the basin have melted out as well.

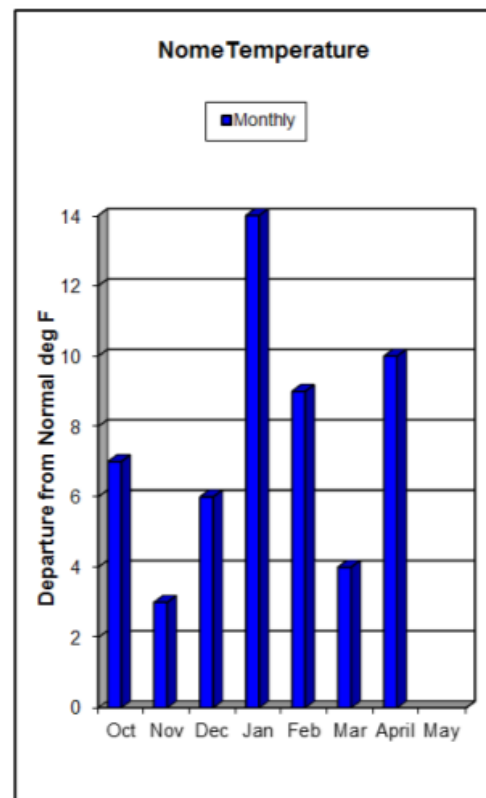
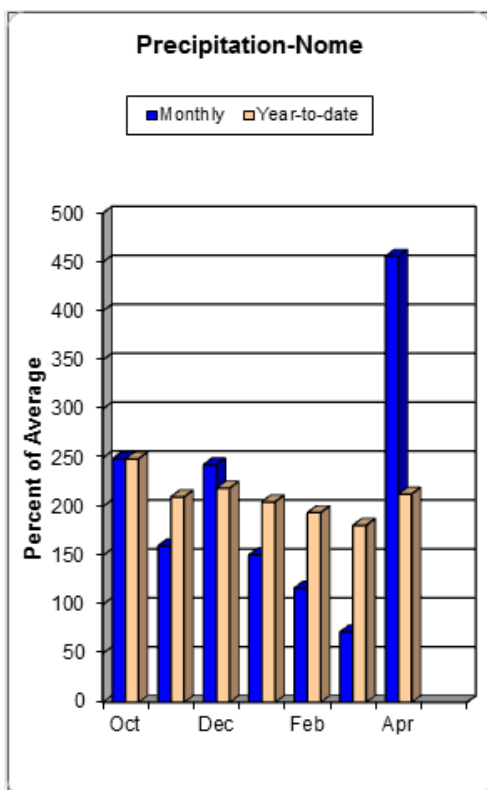
Norton Sound/Y-K Delta/Bristol Bay

Snowpack Data

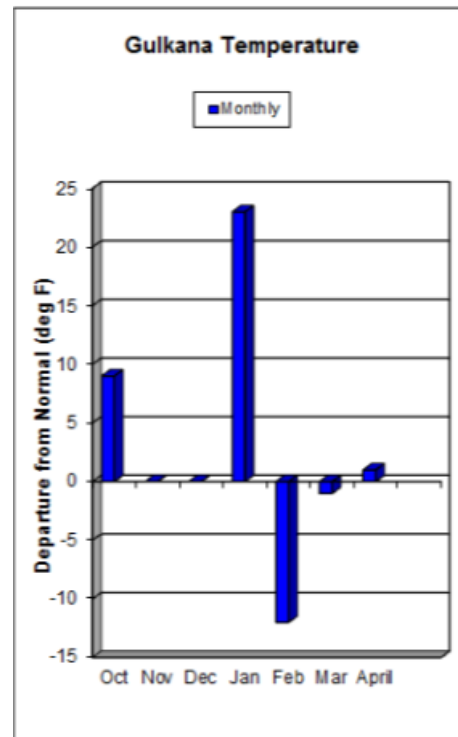
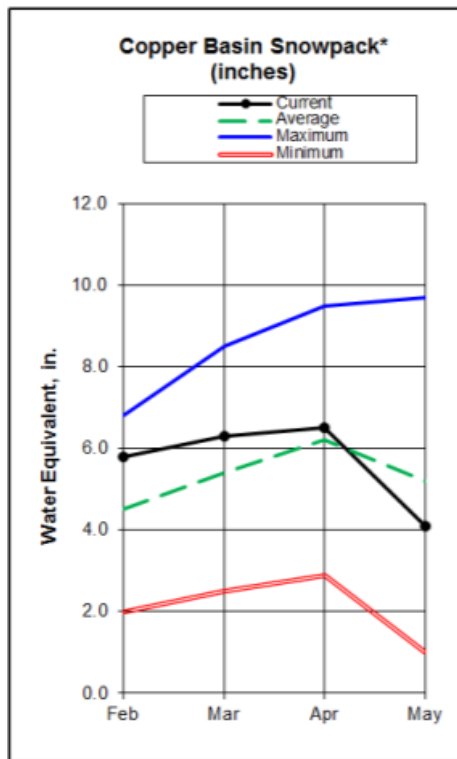
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
Bristol Bay								
BROOKS CAMP	150	1-May	0	0	---	---	---	---
FISHTRAP LAKE	1800	1-May	0	0	---	---	---	---
PORT ALSWORTH	270	1-May	0	0	---	---	---	---
THREE FORKS	1300	1-May	0	0	---	---	---	---
Norton Sound								
PARGON CREEK	100	1-May	0	0	7	1.4*	---	---
ROCKY POINT	250	1-May	0	0	21	4.3*	---	---

Precipitation

Site name	April Precipitation (inches)				Precipitation since Oct. 1st (inches)			
	Elevation	Current	Average	% Average	Current	Average (in)	% Average	Last Year (in)
Bristol Bay								
LOWER MULCHATNA	320'	0.1	---	---	12.6	---	---	---
NAKNEK RIVER	100'	0.5	---	---	15.4	---	---	---
WEARY LAKE	100'	6.8	---	---	52.3	---	---	---
Norton Sound								
PARGON CREEK	100'	0.2	0.83	24%	9.5	6.7	142%	4.7
ROCKY POINT	250'	0	0.48	0%	8.9	5.8	153%	3
Yukon-Kuskokwim Delta								
KANARYAGAK CAMP	13'	0.3	9.2	---	---	---	---	---



Copper Basin



Snow pack

The snowpack in the Copper River Basin ranges from above normal in the Alaska Range to below normal in the rest of the basin.

The Chugach and Talkeetna range snow courses displayed below normal snowpacks. Sheep Mountain snow course, on the western side of the basin, had 42% of normal snowpack with 4" and 1.3" of water content. The upper Chugach Range snow courses showed melt out had begun. Worthington Glacier had 53" of snow with 19.6" of water content, down from 22.0" last month. The Upper Tsaina River SNOTEL site caught 0.3" of precipitation during April which is 20% of normal for the month.

Most basin floor sites are 80-90% of normal, with a few sites such as Kenny Lake, Tazlina, and Chistochina melted out. However Tolsona snow course, which is usually melted out at this point retains 7" of snow with 2.1" of water content.

The snow courses near the Alaska Range averaged 115% of normal. Mentasta Pass has started to melt out and has 12" of snow and 3.9" of water content or 100% of normal, but only half of April 1st's snow. Fielding Lake snow course remains the same depth as last month at 42" and is considered 112% 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	29-Apr	0	0	20	4.5	0	0
FIELDING LAKE	3000	29-Apr	42	11.4	54	16.9	34	10.2
HAGGARD CREEK	2540	29-Apr	12	3.8	35	8.1	14	4.3
KENNY LAKE SCHOOL	1300	29-Apr	0	0	15	3	0	0
LITTLE NELCHINA	2650	29-Apr	12	3.2	22	4.6	12	3.7
MAY CREEK	1610	1-May	5	1.3	19	5.5	---	2
MENTASTA PASS	2430	29-Apr	12	3.9	29	7.4	14	3.9
PAXSON	2650	29-Apr	28	8.2	40	10.4	22	6.4
TAZLINA	1250	29-Apr	0	0	13	3.5	0	0
TOLSONA CREEK	2000	29-Apr	7	2.1	21	4.2	0	0
TSAINA RIVER	1650	30-Apr	30	10.1	40	12.5	42	14
TWIN LAKES	2400	1-May	0	0	---	---	---	---
UPPER TSAINA RIVER	1750	1-May	44	16.7	52	16.1	---	19.2
WORTHINGTON GLACIER	2100	30-Apr	53	19.6	62	21.6	63	24.6

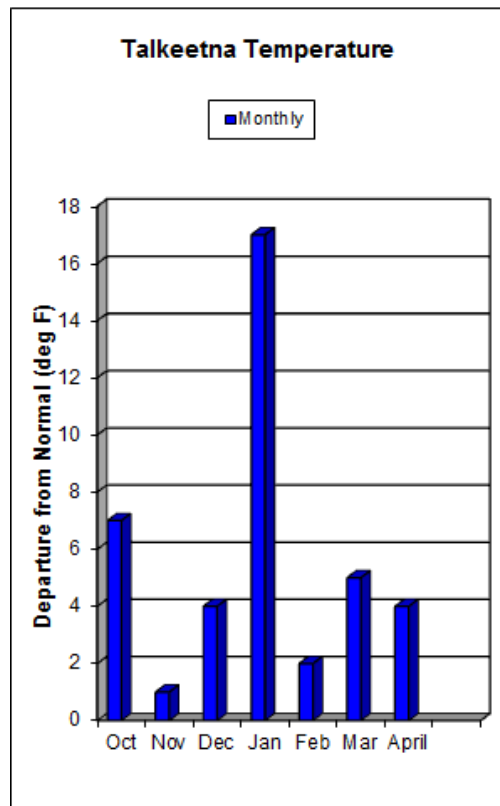
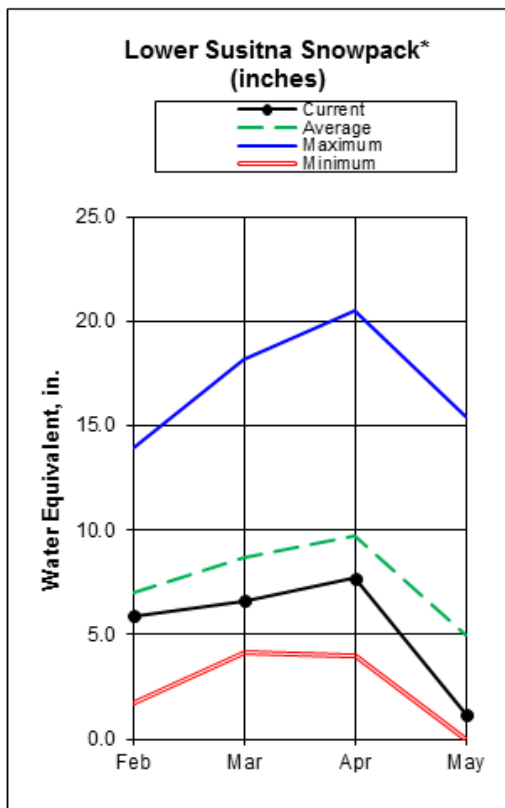
Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gulkana R at Sourdough	MAY-JUL	323	393	440	106%	487	557	415

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
MAY CREEK	1610'	0	0.44	0%	8.9	6.54	136%	6.9
UPPER TSAINA RIVER	1750'	0.3	1.49	20%	34.1	28.48	120%	23.7
Basin Index				16%			123%	

Matanuska—Susitna Basin



Snow pack

The Susitna Basin is mostly below normal. The only part of the basin above normal is the southwestern Talkeetna Range.

The lower Susitna Basin snow courses average 30% of normal. Su Valley High SNOTEL site melted out on April 30 about 10 days before normal. Su Valley received 0.6" of precipitation during April which is 40% of normal.

The Upper Susitna Basin fares better, but is below normal. Sites range from being 70% of normal on the east side of the Talkeetnas to near normal on the western side of the Talkeetnas. On the western side, the East Fork of the Chulitna snow course had 37" of snow with 12.0" of water content, or 97% of normal. On the eastern side of the Talkeetnas, Lake Louise had 79% of normal snow pack with 10" of snow and 2.3" of water content. Monohan Flat SNOTEL site received 0.4" of precipitation during April, 74% of normal.

The upper Little Susitna basin snowpack is near normal. The Independence Mine snow course had 63" of snow with 23.3" of water content, 107% of normal. However low elevation sites have melted dramatically as represented by the Little Su snow course which had 15" of snow and 4.8" of water content or only 59% 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
ARCHANGEL ROAD	2200	29-Apr	25	9.5	58	18.2	35	11.7
BLUEBERRY HILL	1200	28-Apr	30	12.4	40	14.1	40	14.1
CHELATNA LAKE	1450	29-Apr	8	3.2	---	---	30	9.6
DENALI VIEW	700	28-Apr	14	4.9	31	11.1	27	9.1
DUNKLE HILLS	2700	29-Apr	48	18.5	---	---	---	---
DUTCH HILLS	3100	29-Apr	76	28.6	---	---	71	25.7
E. FORK CHULITNA	1770	28-Apr	37	12	39	12.8	42	12.4
FISHHOOK BASIN	3300	29-Apr	54	19.5	76	25.2	55	19.5
FOG LAKES	2120	No Survey	---	---	---	6.8	15	3.8
HALFWAY SLOUGH	350	28-Apr	0	0	17	5	---	---
INDEPENDENCE MINE	3550	29-Apr	63	23.3	79	25.1	61	21.8
INDEPENDENCE MINE	3550	1-May	46	17.4	66	17.6		14.6
LAKE LOUISE	2400	29-Apr	10	2.3	25	5.5	11	2.9
LITTLE SUSITNA	1700	29-Apr	15	4.8	48	14.5	21	8.2
MONAHAN FLAT	2710	1-May	29	5.6*	---	---	---	---
NUGGET BENCH	2010	29-Apr	16	6.4	---	---	42	13.9
POINT MACKENZIE	250	1-May	0	0	18	6.5	---	0
RAMSDYKE CREEK	2220	29-Apr	42	17.4	---	---	57	19.7
SUSITNA VALLEY HIGH	375	1-May	1	0.5	23	6.7	---	5.1
TALKEETNA	350	28-Apr	8	2.7	23	7.8	12	4
TOKOSITNA VALLEY	850	1-May	14	5.7	44	15.3	---	11.8
WILLOW AIRSTRIP	200	28-Apr	0	0	26	8.1	10	3.3

*Estimate

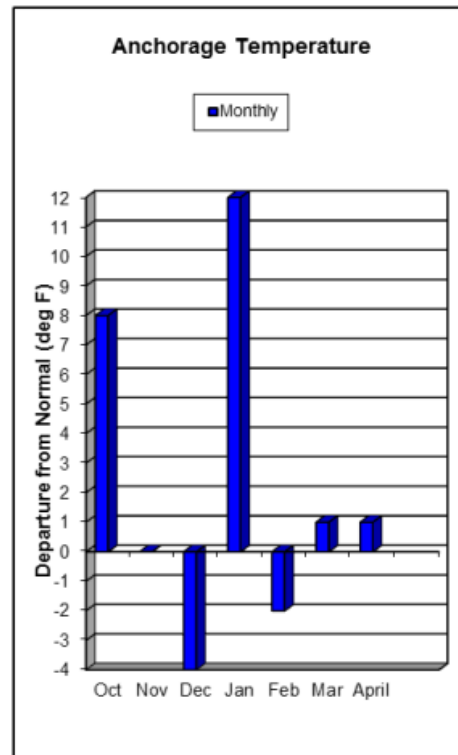
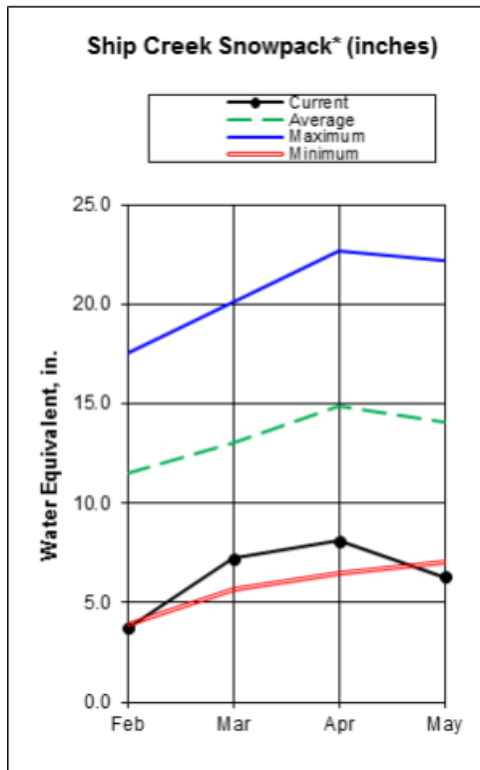
Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Susitna R nr Palmer	MAY-JUL	59	70	78	98%	86	97	80
Talkeetna R nr Talkeetna	MAY-JUL	1260	1410	1510	99%	1610	1760	1530

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
INDEPENDENCE MINE	3550'	1	2.75	36%	24.8	18.01	138%	24.6
MONAHAN FLAT	2710'	0.4	0.54	74%	7.7	8.6	90%	9.9
SUSITNA VALLEY HIGH	375'	0.6	1.52	39%	20	13.42	149%	12.9
TOKOSITNA VALLEY	850'	1	2.41	41%	29.8	21.44	139%	19
Basin Index				42%			134%	

Northern Cook Inlet



Snow pack

Snow Conditions in Northern Cook Inlet remain much below normal. From the east side of the basin to the west side, snowpack remains consistently near one-third of normal.

Northern Cook Inlet received less than half of normal precipitation during April. Anchorage Hillside measured 0.6" of precipitation during the month or 34% of normal. The snowpack at the site is 18% of normal with 4" of snow and 0.9" of water content. Anchorage Hillside's snowpack peaked April 17, which is average, it melted out May 2nd which is three weeks before 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	1-May	7	1.9	33	11.1	---	10.8
INDIAN PASS	2350	1-May	38	10.6	85	26.1	---	24.3
KINKAID PARK	250	1-May	0	0	16	5.2	0	0
MORaine	2100	1-May	0	0	27	7.1	---	6.5
MT. ALYESKA	1540	1-May	31	11	98	33	---	35.2
POINT MACKENZIE	250	1-May	0	0	18	6.5	---	0
PORTAGE VALLEY	50	28-Apr	4	2.1	---	---	14	6.2
SOUTH CAMPBELL CREEK	1200	1-May	0	0	19	5.8	10	3.4

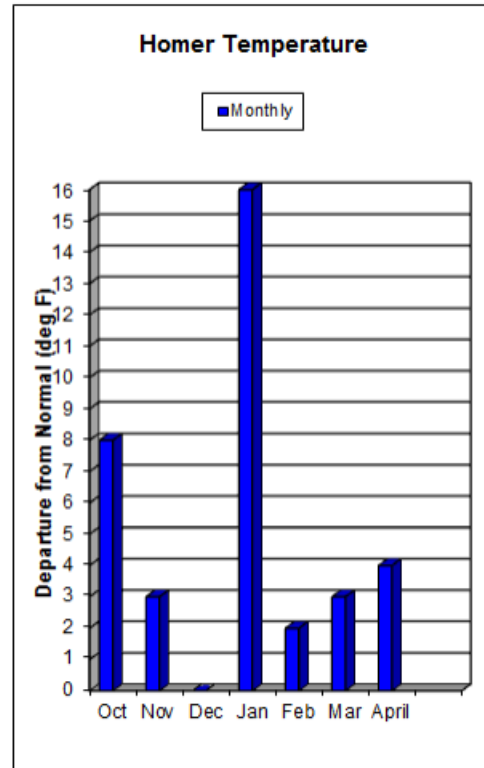
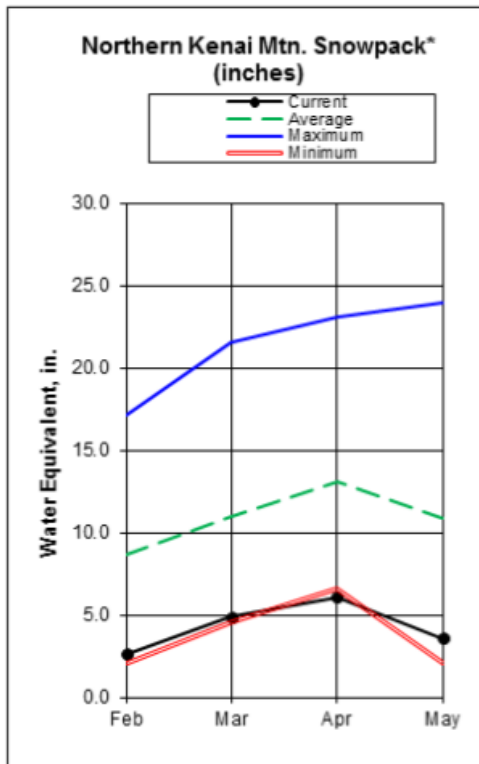
Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Ship Ck nr Anchorage	MAY-JUL	17.2	25	30	54%	35	43	56

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			Last Year
		Current	Average	% Average	Current	Average	% Average	
ANCHORAGE HILLSIDE	2080'	0.6	1.78	34%	15.6	15.49	101%	16.6
INDIAN PASS	2350'	1.2	2.99	40%	26.9	28.41	95%	37.7
MORaine	2100'	0.5	0.99	51%	9.4	12.72	74%	11
MT. ALYESKA	1540'	1	6.65	15%	40.9	52.9	77%	42.8
POINT MACKENZIE	250'	—	0.46	—	11.8	8.61	137%	10.3
Basin Index				19%			89%	

Kenai Peninsula



Snow pack

Lackluster April precipitation did nothing to help the Kenai Peninsula's meager snowpack. Most of peninsula received one-third of normal precipitation and warm temperatures hasten melt out.

Most lower elevation sites melted out by May 1st and higher elevation sites ranged from one-quarter to one-half on normal snowpack. Bertha Creek snow course had 21" of snow with 8.2" of water content, 46% of normal.

The snow courses near Homer have mostly melted out with the only snow being recorded at Bridge Creek and Anchor River Divide. Bridge Creek dropped from 6.4" of water content last month to 1.5" this month. Anchor River Divide SNOTEL site recorded 0.4" of precipitation during April, 25% of normal and melted out on May 3, three weeks before normal.

South, across Kachemak Bay, the snowpack has rapidly melted out. Kachemak Creek SNOTEL site melted out on April 23, one month before its average melt out date. Nuka Glacier SNOTEL site still retained 25" of snow on May 1st, considerably less than the 97" from last year at this time.

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	1-May	8	4.4	45	16.5	---	10.0
BERTHA CREEK	950	1-May	21	8.2	54	18.1	50	17.7
BRIDGE CREEK	1300	1-May	5	1.5	35	11.7	32	10.6
COOPER LAKE	1200	1-May	12	4.0	48	17.5	---	12
DEMONSTRATION FOREST	780	1-May	0	0	12	4.0	13	4.6
EAGLE LAKE	1400	1-May	0	0	38	14.2	24	9.0
EXIT GLACIER	400	1-May	1	0.7	50	19.2	26	10.8
EXIT GLACIER SNOTEL	400	1-May	0	0	51	20.1	---	11.0
GRANDVIEW	1100	1-May	30	9.3	83	37.2	---	34.6
GROUSE CREEK DIVIDE	700	30-Apr	12	4.2	46	20.0	---	16
JEAN LAKE	620	28-Apr	0	0	---	---	0	0
KACHEMAK CREEK	1660	1-May	0	0	---	---	---	---
KENAI MOOSE PENS	300	1-May	0	0	20	5.5	---	0
KENAI SUMMIT	1390	1-May	7	2.6	43	15.6	30	11.3
MCNEIL CANYON	1320	1-May	2	0.3	29	12.8	---	8.0
MIDDLE FORK BRADLEY	2300	1-May	15	---	57	---	---	---
MOOSE PASS	700	1-May	0	0	19	7.0	0	0
MT. ALYESKA	1540	1-May	31	11	98	33.0	---	35.2
NUKA GLACIER	1250	1-May	27	11.3	97	44.3	93	42.8
PORT GRAHAM	300	1-May	0	0	28	11.1	---	4
PORTAGE VALLEY	50	28-Apr	4	2.1	---	---	14	6.2
SNUG HARBOR ROAD	500	28-Apr	0	0	---	---	0	0
SUMMIT CREEK	1400	1-May	8	2.6	33	9.7	---	6.7
TURNAGAIN PASS	1880	1-May	50	21.3	89	38.4	---	39.8

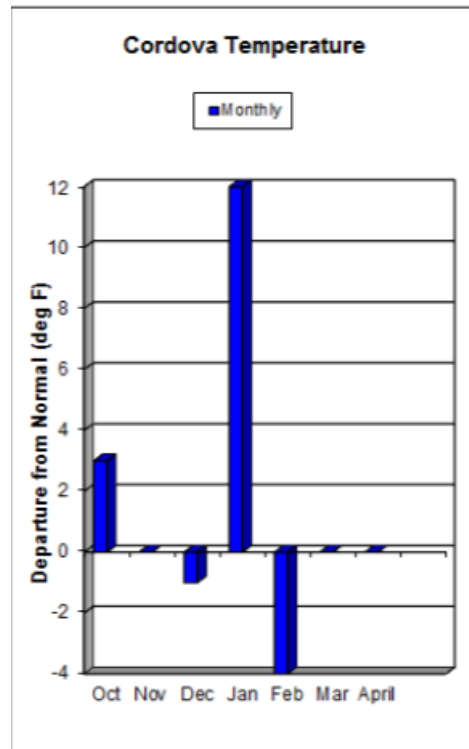
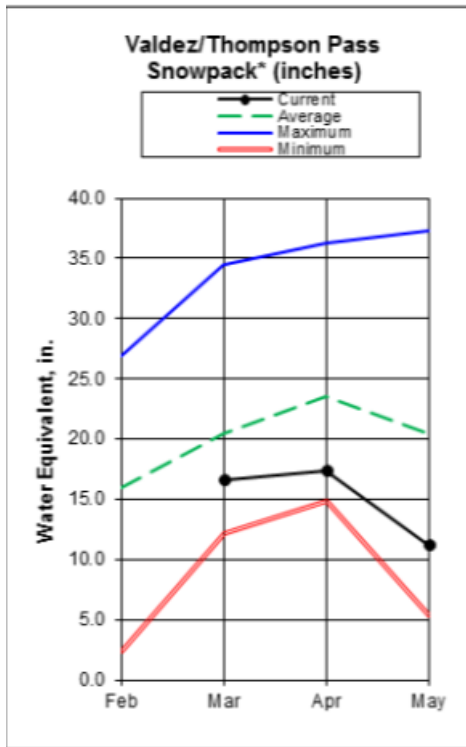
Streamflow Forecasts

Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kenai R at Cooper Landing	MAY-JUL	560	635	680	74%	730	800	920

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
ANCHOR RIVER DIVIDE	1653'	0.4	1.59	25%	18.2	18.5	98%	21.5
COOPER LAKE	1200'	0.4	1.86	22%	26.9	27.06	99%	22.2
EXIT GLACIER	400'	1.6	---	---	50.8	---	---	42.3
GRANDVIEW	1100'	2	6.57	30%	35.7	46.87	76%	32.6
GROUSE CREEK DIVIDE	700'	1.3	4.42	29%	39.4	41.88	94%	28.4
KACHEMAK CREEK	1660'	1.5	3.96	38%	48.3	41.7	116%	30.7
KENAI MOOSE PENS	300'	0.2	0.74	27%	9.6	8.9	108%	10.8
MCNEIL CANYON	1320'	0.2	1.25	16%	14.1	17.87	79%	15.9
MIDDLE FORK BRADLEY	2300'		3.04	---	---	35.56	---	21
NUKA GLACIER	1250'	2.3	6.52	35%	57.5	60.83	95%	41.4
PORT GRAHAM	300'	1.6	4.35	37%	50.4	52.76	96%	38.4
SUMMIT CREEK	1400'	0.5	1.31	38%	19.2	17.14	112%	17.2
TURNAGAIN PASS	1880'	2.1	6.69	31%	37.6	47.15	80%	35.7
Basin Index				32%			94%	

Western Gulf



Snow pack

The Western Gulf of Alaska area has below normal snowpack conditions. In the east, Mt Eyak SNOTEL, above Cordova, has 26% of normal snowpack with 17 inches of snow and 7.3" of water content.

Valdez snow course has 15 inches of snow with 5.4 inches of water content which is 54% of normal. Up at Thompson Pass, the Worthington Glacier snow course has 53" of snow with 19.6 inches of water content, 80% of normal.

On the western side of Prince William Sound, the Exit Glacier SNOTEL site melted out on May 1st.

Western Gulf

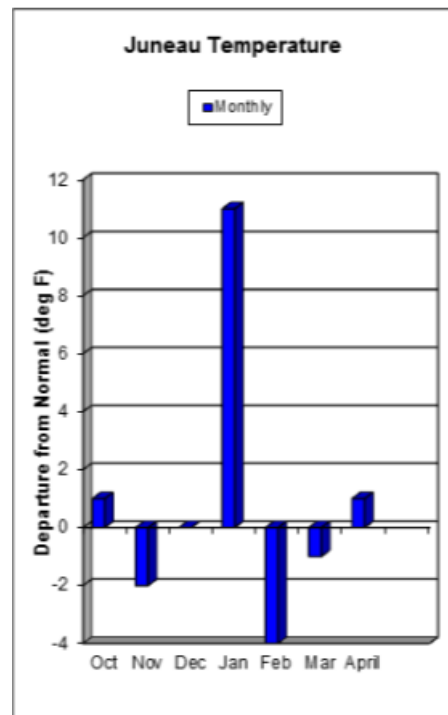
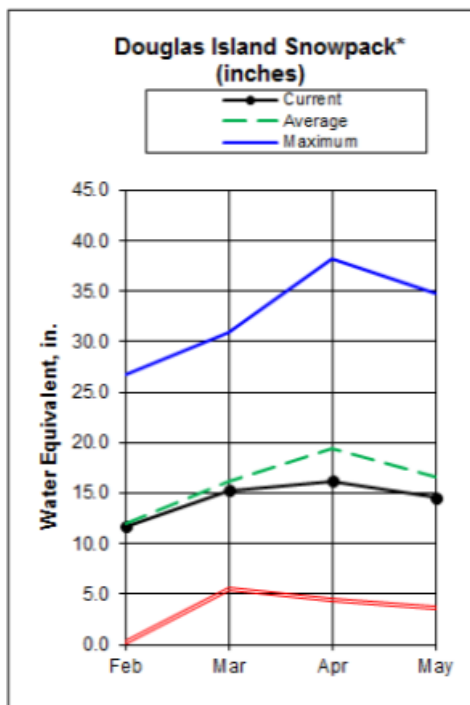
Snowpack Data

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	1-May	1	0.7	50	19.2	26	10.8
EXIT GLACIER SNOTEL	400	1-May	0	0	51	20.1	---	11
GROUSE CREEK DIVIDE	700	30-Apr	12	4.6	46	20	---	16
LOWE RIVER	600	30-Apr	20	7.8	50	17.8	32	11.8
MT. EYAK	1405	1-May	17	7.3	115	42.5	---	28.1
NUKA GLACIER	1250	1-May	27	11.3	97	44.3	93	42.8
SUGARLOAF MOUNTAIN	550	<i>No Survey</i>	---	---	98	30.7	61	23.9
TSAINA RIVER	1650	30-Apr	30	10.1	40	12.5	42	14.0
UPPER TSAINA RIVER	1750	1-May	44	16.7	52	16.1	---	19.2
VALDEZ	50	30-Apr	15	5.4	62	23.9	28	10.4
WORTHINGTON GLACIER	2100	30-Apr	53	19.6	62	21.6	63	24.6

Precipitation

Site name	Elevation	April Precipitation (inches)			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
ESTHER ISLAND	50'	3.6	8.53	42%	97.5	89.01	110%	71.6
EXIT GLACIER	400'	1.6	---	---	50.8	---	---	42.3
GROUSE CREEK DIVIDE	700'	1.3	4.42	29%	39.4	41.88	94%	28.4
MT. EYAK	1405'	3.3	---	---	85.5	---	---	70
NUKA GLACIER	1250'	2.3	6.52	35%	57.5	60.83	95%	41.4
PORT SAN JUAN	50'	5	9.64	52%	78.9	85.36	92%	69.5
SUGARLOAF MTN	550'	0.9	3.86	23%	57.5	44.38	130%	39.5
UPPER TSAINA RIVER	1750'	0.3	1.49	20%	34.1	28.48	120%	23.7
Basin Index				39%			104%	

Southeast



Snow pack

Snowpack at lower elevation sites in Southeast Alaska snowpack have melted out, but higher elevation sites remain near normal where measured. It is likely that further south the snowpack decreases in robustness.

Petersburg Ridge is 80% of normal with 46" of snow and 18.6 inches on water content down from 20.7" last month. The Petersburg Reservoir snow course has melted out.

The snowpack on Douglas Island, near Juneau is near normal. Fish Creek snow course, at 500' elevation, melted out, while Cropley Lake at 1650' elevation gained water content over the month and was measured with 71" of depth and 29.5" of water content which is considered normal.

Long Lake SNOTEL gained 8.9 inches of precipitation which is 128% of normal for April. Long Lake's snowpack is reported with 84" of depth and 32.2" of water content, 90% of normal. Speel River snow course was reported with 24.2" of water content or 110% of normal.

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	29-Apr	71	29.5	118	46.1	70	29.6
EAGLE CREST	1200	29-Apr	39	14.2	83	32.3	34	12.2
FISH CREEK	500	29-Apr	0	0	5	1.4	0	0
INSTITUTE CREEK	1350	2-May	3	1.2	---	---	---	---
LONG LAKE	850	1-May	84	32.2	123	52.9	---	35.8
MOORE CREEK BRIDGE	2250	1-May	52	---	81	27	51	20.7
PETERSBURG RESERVOIR	550	1-May	0	0	6	2.2	0	0
PETERSBURG RIDGE, S.	1650	1-May	46	18.6	90	35.1	52	22.4
RAINBOW FALLS	500	2-May	0	0	---	---	---	---
SPEEL RIVER	280	28-Apr	---	24.2	84	35.5	50	22
WEST CREEK	475	No Survey	---	---	31	10.2	---	---

Streamflow Forecasts

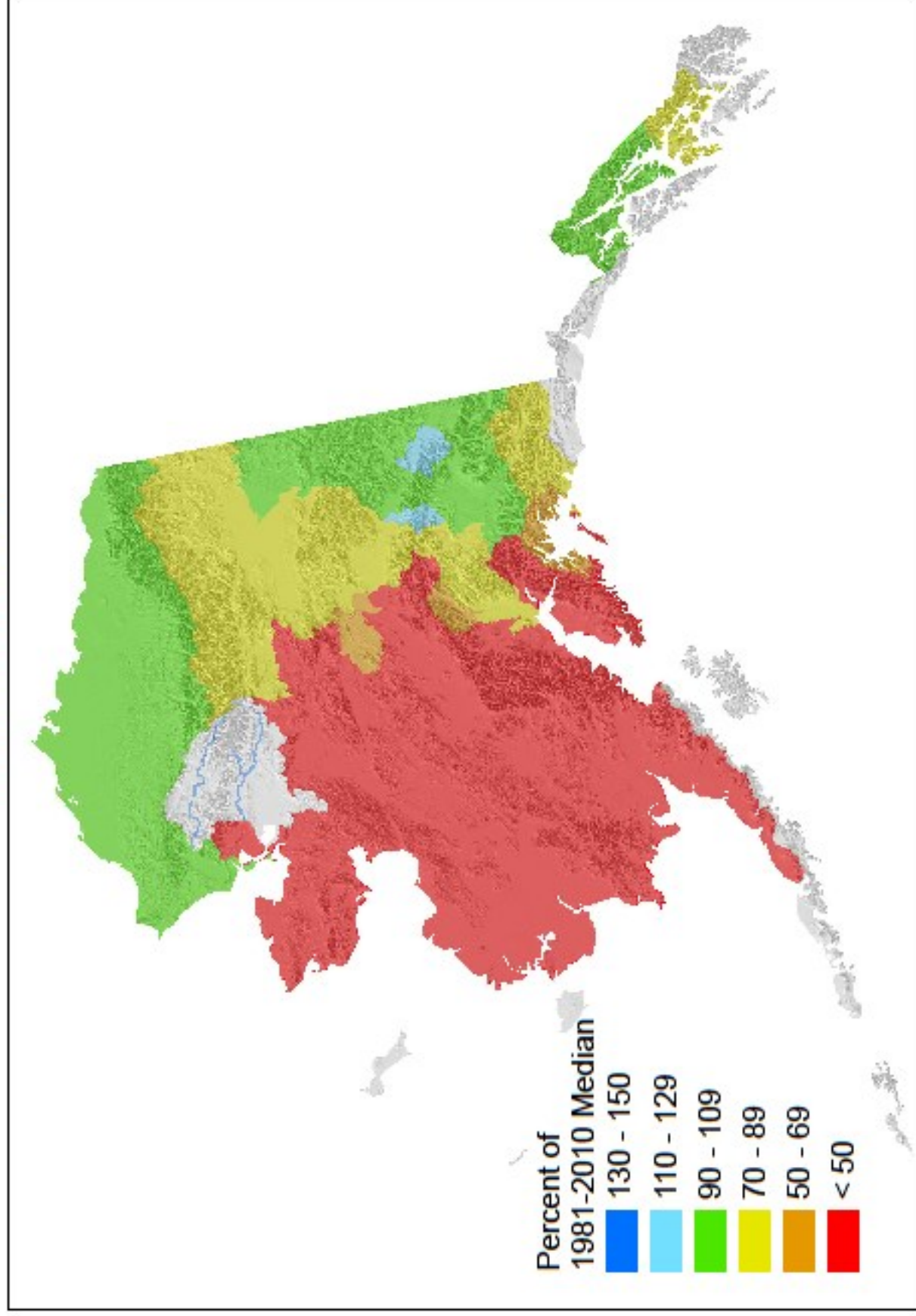
Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gold Ck nr Juneau	MAY-JUL	25	29	32	100%	35	39	32

Precipitation Data

SOUTHEAST	Elevation	April Precipitation			Precipitation since Oct. 1st (inches)			
		Current	Average	% Average	Current	Average	% Average	Last Year
LONG LAKE	850'	8.9	6.94	128%	104	104.61	99%	95.9
MOORE CREEK BRIDGE	2250'	1.8	2.25	80%	25.5	29.62	86%	29.9
Basin Index		116%			96%			

Alaska Snowpack as of May 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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