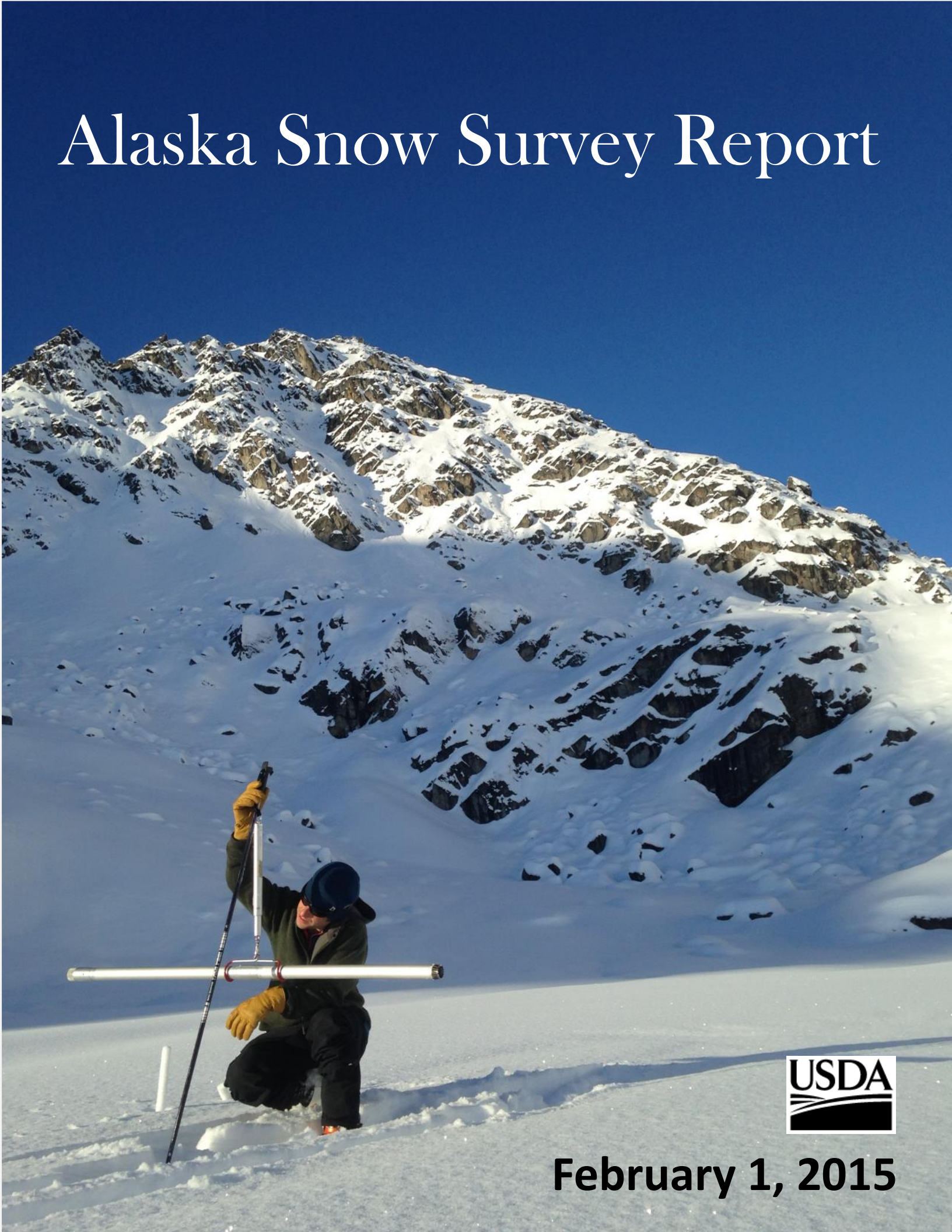
Alaska Snow Survey Report



February 1, 2015

The USDA Natural Resources Conservation Service cooperates with the following organizations in snow survey work:

Federal

U.S. Depart of Agriculture - U.S. Forest Service
- Chugach National Forest
- Tongass National Forest

U.S. Department of Commerce
- NOAA, Alaska Pacific RFC Climate
- Monitoring and Diagnostics Laboratory

U.S. Department of Defense
- U.S. Army Corps of Engineers
- U.S. Army Cold Regions Research and
- Engineers Laboratory

U.S. Department of Interior
- Bureau of Land Management
- U.S. Geological Survey
- U. S. Fish and Wildlife Service
- National Park Service

Municipalities
- Anchorage
- Juneau

Private
- Alaska Electric, Light and Power, Juneau
- Alyeska Resort, Inc.
- Alyeska Pipeline Service Company
- Anchorage Municipal Light and Power
- Chugach Electric Association
- Copper Valley Electric Association
- Homer Electric Association
- Ketchikan Public Utilities
- Prince William Sound Science Center

State of Alaska
- Alaska Department of Fish and Game
- Alaska Department of Transportation and Public Facilities
- Alaska Department of Natural Resources
  - Division of Parks
  - Division of Mining and Water
  - Division of Forestry
- Alaska Energy Authority
- Alaska Railroad
- Soil and Water Conservation Districts
  - Homer SWCD
  - Palmer SWCD
- University of Alaska
  - Agriculture and Forestry Experiment Station
  - Geophysical Institute
  - Water and Environment Research
  - Reindeer Research Program
  - Institute of Arctic Biology LTER

Alaska Public Schools
- Mantanuska-Susitna Borough School District
- Eagle School, Gateway School District

Canada
- Ministry of the Environment
  - British Columbia
- Department of the Environment
  - Government of the Yukon

United States Department of Agriculture

NRCS Natural Resources Conservation Service

Issued by:
Jason Weller, Chief
Natural Resources Conservation Service
Washington, D.C.

Released by:
Robert Jones
State Conservationist
Natural Resources Conservation Service
Palmer, Alaska

Published by:
Daniel Fisher, Hydrologist
Tony DeMarco, Hydrologist
Dan Kenney, Hydrologic Technician
Snow, Water and Climate Staff
Natural Resources Conservation Service
Palmer, Alaska

Cover photo: Tony DeMarco, NRCS Hydrologist, measures snow at the proposed Birthday Pass snow course in the Talkeetna Mountains. The snow course is 500' above Independence Mine and had 46" of snow with 11.7" of water content

Table of Contents

General Overview

SnowPack

Snowpack across most of most of the state is below normal. Much precipitation with winter came as rain across the state instead of snow and what little snow accumulated early in the season has diminished.

There is a swath of near normal snowpack. It starts in the central Copper basin and moves north across the Alaska Range into the Tanana Basin near Delta Junction and then further north into the White Mountains and into the southern Central Yukon Basin where it spreads out a little east and west. This swath, along with the Arctic (which is most likely near normal), are the only parts of the state with normal snowpack.

Southeast Alaska is less than half normal –the further south the worse it gets. Also less than half normal is Southwest Alaska, Norton Sound and the Kenai Peninsula. Several sites on the Kenai set new 30-45 year record lows. Bertha Creek snow course only had 2" of snow with 0.4" of water content, 3% of normal. The next lowest year was last year when it had 15" of snow and 3.4" of water content.

The rest of the state was somewhere between dismal and normal. The upper Tanana, upper Koyukuk and Lower Yukon were all between 50-70% normal, while the lower Tanana and upper-Lower Yukon were between 70-90% normal.

Precipitation

October brought mixed results this year. Most basins were either near normal or near half of normal. The Tanana, Arctic, Central Yukon Basins along with Southeast Alaska all had near normal precipitation. Conversely, the Koyukuk, Mat-Su, Kenai Peninsula, Copper Valley and Prince William Sound were all received less than half normal precipitation.

November was even drier, unless you happened to be on the Kenai Peninsula or Prince William Sound. Both those areas average around 130% or normal precipitation with some sites receiving double the normal. The Artic and Southeast Alaska were only a little below normal, while the rest of the state was well be normal. The Tanana, Central Yukon, Copper, and Mat-Su Basins received less than half of normal precipitation for the month.

Generally, Alaska saw a wetting trend during December. Most basins were either near or above normal. The exception to this was Northern Cook Inlet and the northern Kenai Peninsula, parts of the Tanana Valley and Southeast Alaska, but even these areas were generally 70-80% of normal.

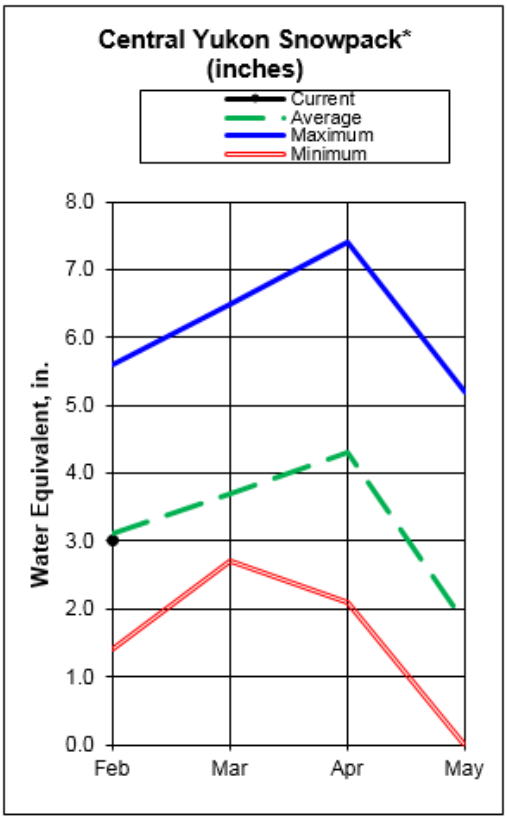
The southern Kenai Peninsula and Southeast Alaska came away from January as the big precipitation winners. The two sites in Southeast averaged 185% of normal with the Kenai Peninsula, south of Kachemak Bay average 174% of normal. Much of this precipitation came as rain, however and parts of Southeast Alaska experienced flooding during January. Prince William Sound and the upper Tanana Basin both received near normal precipitation while the most of the rest of the state was below two thirds normal.

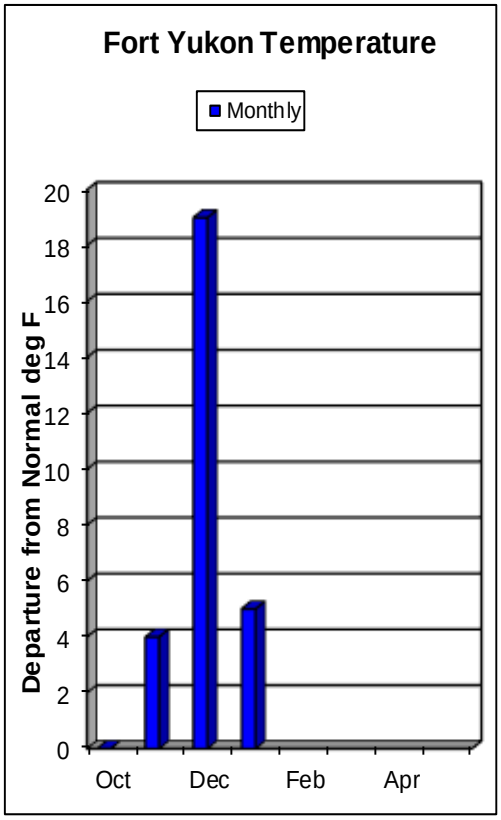
General Overview

Temperature

Temperatures this winter season started out near normal, but after October Alaska started heating up. Gulkana, in the Copper River Basin was the only site below normal for October (-5°F departure) while north of the Arctic Circle both Barrow and Bettles recorded above normal temperatures for the month (+7°F & +4°F). For the rest of season-November, December, and January- not one site reported below normal monthly temperatures. Everywhere was warm. Several sites were more than ten degrees above normal. During November the only sites close to normal were Gulkana, Juneau, and Whitehorse. Barrow, Nome and Bethel were all ten degrees above normal. Talkeetna was twelve above normal for the month and Homer was eleven above and both Bettles and Anchorage were nine degrees above normal. December was even more remarkable. Fairbanks and Bettles were both 14°F above normal while Talkeetna was 15°F above and Fort Yukon was a whopping 19°F above normal for the month. Whitehorse, Gulkana, and Bethel were all 10° above normal. Anchorage and Homer were 10 and 11°F above normal, respectively. Barrow actually dropped to only 5°F above normal which matched Juneau. January cooled off, marginally. Whitehorse and Juneau were still 12° F and 10°F above normal, but most sites were only 5-6° above normal including Fairbanks, Fort Yukon, Gulkana, Homer, and Anchorage. Barrow was only 4°F above normal and Bettles, Bethel and Nome were all with a couple of degrees above normal.

Central Yukon Basin





Snow pack

The Central Yukon Basin snow pack is near normal across much of the basin.

The four measured snow courses on the north side of the White Mountains, average 98% of normal. These range from 80% at Fossil Snow Course to 114% of normal at Windy Gap Snow Course. The Upper Nome SNOTEL, in the headwaters of Beaver Creek, has 19 inches of snow and has caught 3.0inches of precipitation since October 1st, or 80% of normal.

The American Creek SNOTEL site, just outside Eagle, AK, has 19 inches of snow with 3.2 inches of water content, 4" and 0.4" of water content more than last year. The Fort Yukon SNOTEL site has 14 inches of snow and its precipitation gauge has captured 2.4 inches of precipitation since October 1st, 92% of normal.

On the lower part of the basin, Seven Mile snow course, near the Yukon Crossing has 20 inches of snow with 4.2" of water content, the same as last year and 111% of normal

Central Yukon Basin

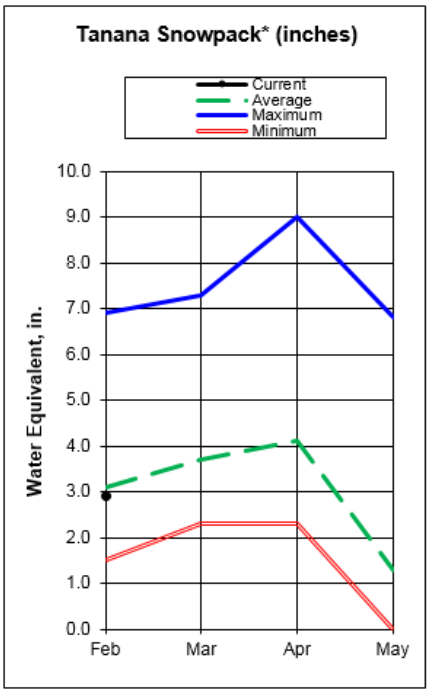
Snowpack Data

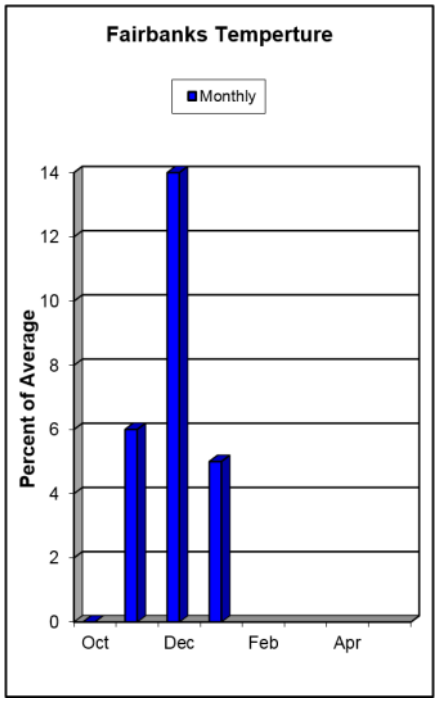
Site Name	Elev.	Date	This Year Snow Depth	This Year Water Content	Last Year Snow Depth	Last Year Water Content	1981-2010 Normal Snow Depth	1981-2010 Normal Water Content
December 1st								
American Creek	1050	12/1/2014	9	1.7	8	0.9	---	---
Eagle Summit	3650	12/1/2014	15	---	5	---	---	---
Fort Yukon	430	12/1/2014	5	---	10	---	---	---
Hess Creek	1000	12/3/2014	14	1.8	12	2.2	---	---
Seven Mile	600	12/3/2014	12	1.5	13	2.2	---	---
Thirty Mile	1350	12/3/2014	14	1.8	22	4.7	---	---
February 1st								
American Creek	1050	2/1/2015	19	3.2	14	2.8	---	---
Borealis	1330	2/3/2015	16	2.9	24	4.8	19	3.1
Cathedral Creek	1800	2/1/2015	28	5.6	30	6.2	---	---
Copper Creek	2000	2/1/2015	39	8.2	19	3.8		---
Crescent Creek	2600	2/1/2015	20	3.2	14	2.7	---	---
Eagle Summit	3650	2/1/2015	16	---	10	---	---	---
Fort Yukon	430	2/1/2015	14	---	18	---	---	---
Fossil	1400	2/3/2015	16	2.8	24	5.1	18	3.5
Hess Creek	1000	1/28/2015	21	4.5	21	3.8	21	3.6
Seven Mile	600	1/28/2015	20	4.2	25	4.2	22	3.8
Step Mountain	2850	2/1/2015	29	5.9	23	4.5	---	---
Thirty Mile	1350	1/28/2015	21	4.4	30	5.6	30	5.8
Three Fingers	3350	2/1/2015	33	6.9	---	---	---	---
Upper Nome Creek	2520	2/1/2015	19	---	25	---	---	---
Windy Gap	1900	2/3/2015	21	4.2	24	5.1	19	3.7
Wolf	1200	2/3/2015	17	3.1	21	4.1	18	3.0

Precipitation

Site Name	Elev.	Inches Accumulated since October 1st: This Year	Last Year	1981-2010 Normal	% of Normal
American Creek	1050	3.6	3.5	---	---
Atigun Pass	4800	2.3	4.1	3.9	59%
Chandalar Camp	3300	3.1	3.2	5.2	60%
Eagle Summit	3650	3.4	4.9	3.9	87%
Fort Yukon	430	2.4	4.7	2.6	92%
Upper Nome Creek	2520	3.0	8.7	3.7	81%

Tanana Basin





Snowpack

The Tanana Valley has had below normal precipitation and its snowpack averages slightly below normal. The Delta Junction area and Chena area are near or above normal, while the basin above Tok and south of Fairbanks are below normal.

The upper valley above Tok averages 70% of normal with water contents half of last year's values. Tok Junction snow course was the nearest to normal with 16" of snow and 2.4" of water content, 92% of normal.

The snow course near Delta Junction averaged 101% of normal, ranging from 85% of normal at Shaw Creek Flats snow course to 117% at Fort Greely snow course. Both Rhoads Creek and Granite Creek SNOTEL sites have received 78% or normal precipitation.

This near normal snowpack continues north, but diminishes slightly to the Chena Basin, which averages 93% of normal snowpack and 76% of normal precipitation. Snowpack ranges from 82% of normal at Little Chena Ridge to 104% of normal at Teuchet Creek.

South of the White Mountains the Chena Basin the snowpack fades. The Fairbanks F.O. SNOTEL sites has 12" of snow with 1.5" of water content, 60% of normal. The Nenana SCAN site has 13" of snow with 2.5" of total precipitation since October 1st.

Precipitation

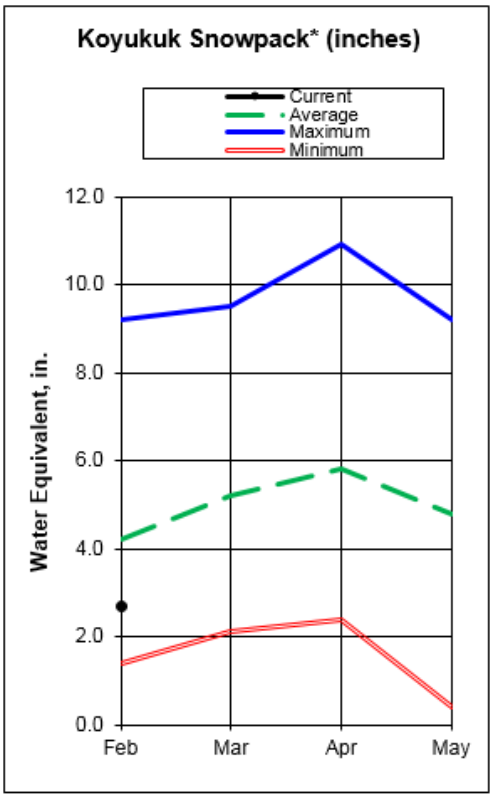
		Inches Accumulated since October 1st			
Site Name	**Elev.**	**This Year**	**Last Year**	**1981-2010 Normal**	**% of Normal**
Chisana	3320	1.6	4	---	---
Fairbanks F.O.	450	1.6	4.1	3.3	48%
Granite Crk	1240	2.4	3.5	3.2	75%
Kantishna	1550	3.5	5.2	3.5	100%
Little Chena Ridge	2000	2.3	3.6	4.1	56%
Nenana	415	2.5	3.2	---	---
Tok	1630	2.7	4.6	---	---
Upper Chena	2850	3.9	9.3	4.8	81%

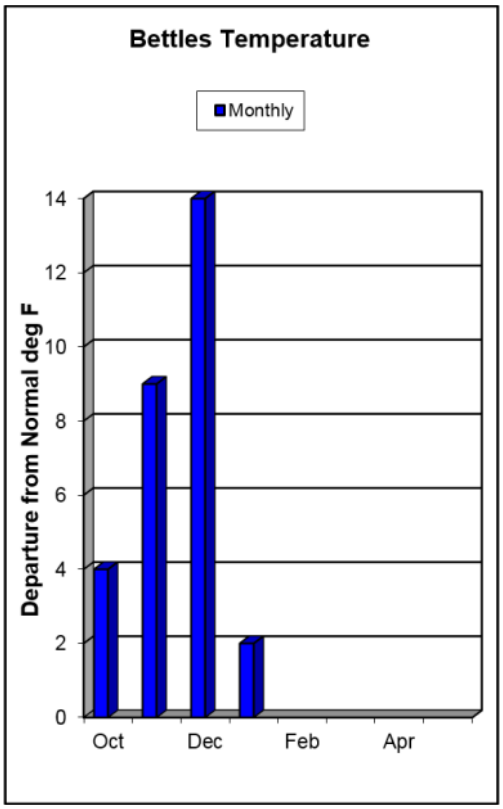
Tanana Basin

Snowpack Data

Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Con-tent	Snow Depth	Water Con-tent	Snow Depth	Water Con-tent
December								
Bonanza Creek	1150	12/1/2014	9	1.2	16	2.6	---	---
Caribou Creek	1250	12/2/2014	8	1.0	16	3.0	12	1.6
Caribou Snow Pillow	900	12/2/2014	8	1.0	16	3.4	12	1.6
Chisana	3320	11/30/2014	8	1.2			---	---
Chisana	3320	12/1/2014	8	1.1	8	1.1	---	1.9
Cleary Summit	2230	12/1/2014	14	2.0	20	3.0	---	---
Colorado Creek	700	12/1/2014	10	1.1	18	2.5	---	---
Fairbanks F.O.	450	12/1/2014	5	0.5	11	1.5	---	1.4
Faith Creek	1750	12/1/2014	11	1.1	17	2.4	8	1.5
Fort Greely	1500	12/2/2014	12	1.6	11	1.6	10	1.3
French Creek	1800	12/1/2014	16	2.8	17	3.0	16	2.6
Gerstle River	1200	12/2/2014	12	1.6	12	1.6	11	1.6
Granite Crk	1240	12/1/2014	11	1.9	9	1.6	---	1.6
Jatahmund Lake	2180	12/2/2014	9	1.0	8	1.0	10	1.3
Kantishna	1550	12/1/2014	11	---	11	---	---	---
Little Chena Ridge	2000	12/1/2014	10	1.6	18	3.0	---	1.9
Lost Creek	3030	12/1/2014	8	1.0	---	---	---	---
Monument Creek	1850	12/1/2014	11	1.4	17	3.1	---	1.8
Mt. Ryan	2800	12/1/2014	12	1.8	18	3.5	---	2.0
Munson Ridge	3100	12/1/2014	17	3.0	---	---	---	3.5
Paradise Hill	2200	12/1/2014	6	0.7	5	0.7	10	1.3
Rhoads Creek	1225	12/1/2014	13	---	10	---	---	---
Shaw Creek Flats	980	12/1/2014	10	1.3	12	1.6	10	1.2
Teuchet Creek	1640	12/1/2014	11	1.8	11	2.0	---	1.6
Upper Chena	2850	12/1/2014	19	---	29	---	---	2.6
January								
Chisana	3320	1/1/2015	9	1.4	12	2.2	---	2.2
Fairbanks F.O.	450	1/1/2015	10	1.2	17	2.4	---	2.0
Granite Crk	1240	1/1/2015	10	2.3	12	2.2	---	2.2
Kantishna	1550	1/1/2015	19	---	14	---	---	---
Little Chena Ridge	2000	1/1/2015	12	2.4	20	4.3	---	3.1
Monument Creek	1850	1/1/2015	15	2.2	22	4.0	---	2.5
Mt. Ryan	2800	1/1/2015	18	2.8	22	4.5	---	2.7
Munson Ridge	3100	1/1/2015	22	4.3	---	---	---	4.1
Rhoads Creek	1225	1/1/2015	13	---	10	---	---	---
Teuchet Creek	1640	1/1/2015	12	2.4	15	3.3	---	2.1
Upper Chena	2850	1/1/2015	25	---	34	---	---	3.4
February								
Bonanza Creek	1150	1/30/2015	16	3.2	17	4	18	3.4
Caribou Creek	1250	1/29/2015	11	2.1	20	5.1	16	2.7
Caribou Snow Pillow	900	1/29/2015	12	2.2	21	4.7	17	2.9
Chisana	3320	2/1/2015	11	1.6	13	3.4	---	3.4
Fielding Lake	3000	2/2/2015	33	6.2	41	11.2	32	6.6
Fort Greely	1500	2/3/2015	16	2.8	15	2.8	14	2.4
French Creek	1800	2/2/2015	20	3.9	17	4	19	3.9
Gerstle River	1200	2/3/2015	15	2.4	15	2.8	16	2.4
Lake Minchumina	730	1/30/2015	14	2	---	---	15	2.1
Lost Creek	3030	1/29/2015	10	1.9	16	3.2	---	---
Mentasta Pass	2430	2/2/2015	18	3	28	7.2	22	4
Monument Creek	1850	2/1/2015	18	2.8	17	4.7	---	3.1
Mt. Ryan	2800	2/1/2015	19	3.1	23	5.1	---	3.6
Munson Ridge	3100	2/1/2015	25	5	35	8.3	---	5
Rock Creek Bottom	2250	1/30/2015	13	1.6	---	---	14	2.9
Shaw Creek Flats	980	2/2/2015	13	1.7	14	2.2	13	2
Teuchet Creek	1640	2/1/2015	15	2.9	15	3.9	---	2.8
Tok Junction	1650	2/2/2015	16	2.4	23	4.7	17	2.6

Western Interior Basins





Snow pack

Koyukuk

The Koyukuk Basin has below normal precipitation for the water year and has below normal snow pack as well. Snow pack ranges from half normal at Bettles to near normal at Disaster Creek snow course north of Coldfoot.

The three SNOTEL sites along the Dalton Highway average only 41% of normal precipitation while the snow-pack is slightly more robust and averages 60% for the same region.

Kuskokwim

The Kuskokwim Basin has received considerably less precipitation than last year, but has a similar snowpack. There is actually more snow in low lying areas than last year. Aniak SCAN site has 7" of snow compared to a rain decimated "none" last year. Telaquana Lake likewise has more snow than last year as does Purkeypile Mine snow course, though both remain below normal. The area around McGrath, however, has less snow than last year. The new SNOTEL site at Telaquana Lake has received 2.3" of precipitation since October 1st.

Lower Yukon

The Aerial Markers in the Nowitna National Wildlife Refuge measured similar depths as compared to the last two years. Six new aerial markers measured by ADF&G, further down river measured similar depths.

Western Interior Basins

Snowpack Data

Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Con-tent	Snow Depth	Water Con-tent	Snow Depth	Water Con-tent
December								
Koyukuk								
Bettles Field	640	12/1/2014	3	0.5	19	3	---	6.6
Bonanza Forks	1200	12/2/2014	6	0.8	18	3.2	---	4.2
Coldfoot	1040	12/1/2014	7	1.2	21	4.4	---	6.1
Disaster Creek	1550	12/2/2014	4	0.5	15	2.6	---	3.4
Gel Lake	530	12/5/2014	6	---	---	---	---	---
Gobblers Knob	2030	12/1/2014	1.0	---	16	---	---	---
Kaldoyeit	750	12/5/2014	13.0	---	---	---	---	2.8
Kanuti Chalatna	670	12/5/2014	11.0	---	---	---	---	3.8
Kanuti Kilolitna	550	12/5/2014	9.0	---	---	---	---	2.8
Minnkokut	580	12/5/2014	10.0	---	---	---	---	6.6
Nolitna	560	12/5/2014	9.0	---	---	---	---	---
Table Mountain	2200	12/2/2014	7	1	17	3.6	---	4.8
Kuskokwim								
Aniak	80	12/1/2014	3	---	3	---	---	---
Telaquana Lake	1550	12/1/2014	5	0.4	8	1.1	---	---
Lower Yukon								
Innoko Camp	83	12/1/2014	6	---	---	---	---	---
January								
Koyukuk								
Bettles Field	640	1/1/2015	15	1.9	19	3.2	---	3.0
Coldfoot	1040	1/1/2015	16	2.3	23.0	5.7	---	2.8
Kuskokwim								
Telaquana Lake	1550	1/2/2015	5	1.0	9	1.0	---	---
Aniak	80	1/1/2015	3	---	5	---	---	---
Lower Yukon								
Grouch Creek	220	12/29/2014	24	---	---	---	---	---
Holikachuk	100	12/29/2014	18	---	---	---	---	---
Innoko Camp	83	*1/1/2015*	13	---	---	---	---	---
Little Mud River	855	*12/31/2014*	17	---	---	---	---	---
Lower Nowitna River	205	*12/31/2014*	21	---	---	---	---	---
Menotl Creek	380	*12/31/2014*	16	---	---		---	---
Middle Innoko	150	12/29/2014	23	---	---	1 .0	---	---
Ninemile Island	140	12/29/2014	19	---	---	---	---	---
Pike Trap Lake	130	12/29/2014	16	---	---	---	---	---
Squirrel Creek	150	12/29/2014	28	---	---	---	---	---
Upper Innoko	180	12/29/2014	17	---	---	---	---	---
Wapoo Hills	220	12/29/2014	19	---	---	---	---	---
Yankee Slough	100	12/29/2014	22	---	---	---	---	---

Western Interior Basins

Snowpack Data—continued

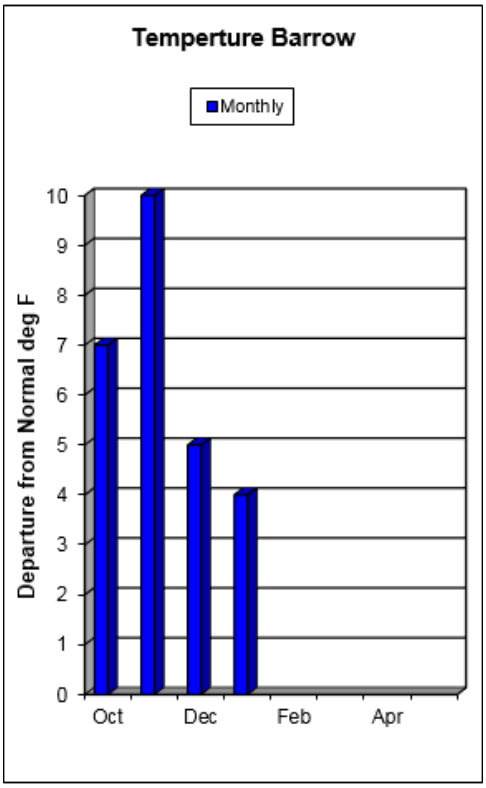
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
February								
Koyukuk								
Bettles Field	640	2/1/2015	11	2.1	26	4.9	---	4.3
Bonanza Forks	1200	1/28/2015	14	2.3	25	4.7	21	3.8
Cloverleaf	170	2/2/2015	21	3.4	23	4.3	---	---
Coldfoot	1040	2/1/2015	16	2.6	29	6.9	---	4.2
Colville Bend	170	2/2/2015	28	4.8	26	4.6	---	---
Disaster Creek	1550	1/29/2015	14	2.4	22	3.7	17	2.5
Gel Lake	530	2/1/2015	12	2.0	---	---	---	---
Gobblers Knob	2030	2/1/2015	1	---	14	---	---	---
Huggins Creek	290	2/2/2015	21	3.8	32	7.2	---	---
Jr Slough	160	2/2/2015	24	4.2	28	4.8	---	---
Kaldoyeit	750	1/31/2015	21	4.0	44	8.5	---	---
Kanuti Chalatna	670	1/31/2015	21	4.0	19	3.4	---	---
Kanuti Kilolitna	550	2/1/2015	10	1.8	21	4.0	---	---
Minnkokut	580	1/31/2015	17	3.0	24	4.4	---	---
Nolitna	560	2/1/2015	11	1.9	32	6.0	---	---
Table Mountain	2200	1/29/2015	14	2.4	24	4.7	18	3.0
Treat Island	190	2/2/2015	24	4.2	12	3.1	---	---
Kuskokwim								
Aniak	80	2/1/2015	3	0.7*	0	0.0	---	---
Holitna River	257	2/3/2015	9	1.6	---	---	---	---
Johnny Slu	180	2/3/2015	5	1.0	---	---	---	---
Mcgrath	340	2/1/2015	13	2.1*	16	3.1*	23	4.1
Middle Kuskowim	297	2/2/2015	14	2.2	19	3.5	---	---
N. Fork Kuskokwim	512	2/2/2015	15	2.5	33	6.5	---	---
Nixon Fork Kuskokwim	508	2/2/2015	14	2.2	29	5.9	---	---
Purkeypile Mine	2025	1/30/2015	16	2.9	12	2.8	19	3.4
Telaquana Lake	1550	2/2/2015	5	0.8	1	0.3	---	---
Lower Yukon								
Carlo Island	---	2/3/2015	13	2.2	---	---	---	---
Deer Creek	195	2/3/2015	19	3.6	23	5.5	---	---
Little Mud River	855	2/3/2015	15	2.8	13	2.5	---	---
Lower Innoko	---	2/3/2015	12	2.2	---	---	---	---
Lower Nowitna River	205	2/3/2015	20	3.7	18	3.2	---	---
Ninemile Island	140	2/2/2015	20	3.6	31	6.0	---	---
Northwest Shageluk	---	2/3/2015	22	3.5	---	---	---	---
Paimute iSland	---	2/3/2015	13	2.3	---	---	---	---
Pike Trap Lake	130	2/2/2015	9	1.7	12	2.2	---	---
Reindeer Island	---	2/3/2015	5	0.9	---	---	---	---
Southwest Shageluk	---	2/3/2015	19	3.4	---	---	---	---
Squirrel Creek	150	2/2/2015	28	4.8	---	---	---	---

Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Koyukuk					
Bettles Field	640	1.5	7.3	4.6	33%
Coldfoot	1040	1.7	8.2	4.3	40%
Gobblers Knob	2030	2.6	9.6	5.1	51%
Kuskokwim					
Aniak	80	3.8	10.9	---	---
Telaquana Lake	1550	2.3	---	---	---
Lower Yukon					
Innoko Camp	83	2.6	---	---	---

Arctic and Kotzebue Sound



Snow pack

Arctic

The Artic has variable, but above normal precipitation for the Water Year. Most likely the snowpack is normal to slightly above normal as well, but hard to determine definitively. Sites in the Brooks Range have below normal precipitation while the North Slope has had above normal precipitation. This is characterized as Atigun Pass is only 53" of normal and Imnaviat Creek, 35 miles to the north, is 157% of normal

Kotzebue

The Kotzebue Sound area has received below normal precipitation for the year and has below normal snowpacks as well. Kelly Station SNOTEL has only 43% of last year's snow pack at this time.

Arctic and Kotzebue Sound

Snowpack Data

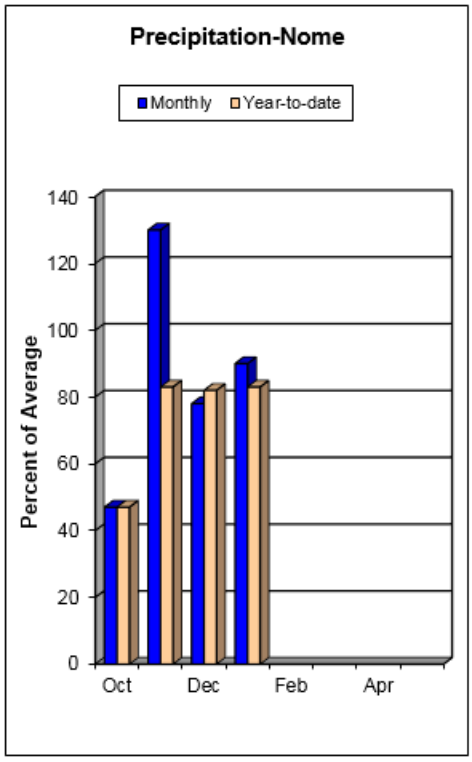
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Con-tent	Snow Depth	Water Con-tent
Atigun Pass	4800	2/1/2015	29	---	36	---	---	---
Imnaviat Creek	3050	2/1/2015	35	---	19	---	---	---
Kelly Station	310	2/1/2015	12	1.4	18	3.2	---	---
Prudhoe Bay	30	2/1/2015	6	---	15	---	---	---
Sagwon	1000	2/1/2015	16	---	15	---	---	---

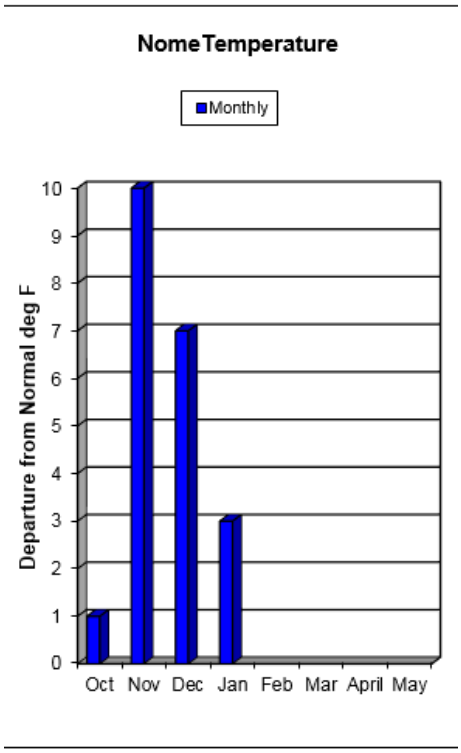
Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Arctic					
Artigun Camp	3400	1.6	2.2	3.0	53%
Atigun Pass	4800	2.3	4.1	3.9	59%
Barrow	25	1.1	1.3	---	---
Imnaviat Creek	3050	3.3	2.6	2.1	157%
Prudhoe Bay	30	1	2.1	2	50%
Sagwon	1000	2.7	2.5	2.1	129%
Kotzebue Sound					
Port Red Dog	50	*No Survey*	*No Survey*	4.2	*No Survey*
Red Dog Mine	950	*No Survey*	*No Survey*	5.3	*No Survey*
Kelly Station	310	2.1	8.2	---	---

Norton Sound/Y-K Delta/Bristol Bay





Snow pack

Norton Sound

The Norton Sound area has been dry this winter without much snowpack. Pargon Creek SNOTEL, north of White Mountain, has only 1" of snow. Rocky Point SNOTEL has 5 inches of snow, 1 more than last year at this time, but one third as much precipitation as last year and 61% of normal.

Yukon Kuskokwim Delta

Snowpack is low in the Y-K Delta, but better than last year. The Kanaryagak SCAN site, located southeast of Chevak, has captured 2.6 inches of precipitation since October 1st, compared with 7.8" last year, but it has 8" of snowdepth compared to 1" last year at this time. Precipitation at the NWS site in Bethel is 140% normal for the water year.

Bristol Bay

Snow is minimal in the Bristol Bay basin. Three Forks and Brooks Camp only had a skiff of snow and Port Alsworth had 5 inches of snow with 1.0 inch of water content, about 32% of normal. Last year none of these sites had snow at this time.

Naknek River and Lower Mulchatna SCAN sites both only have about half of the precipitation as last year.

Norton Sound/Y-K Delta/Bristol Bay

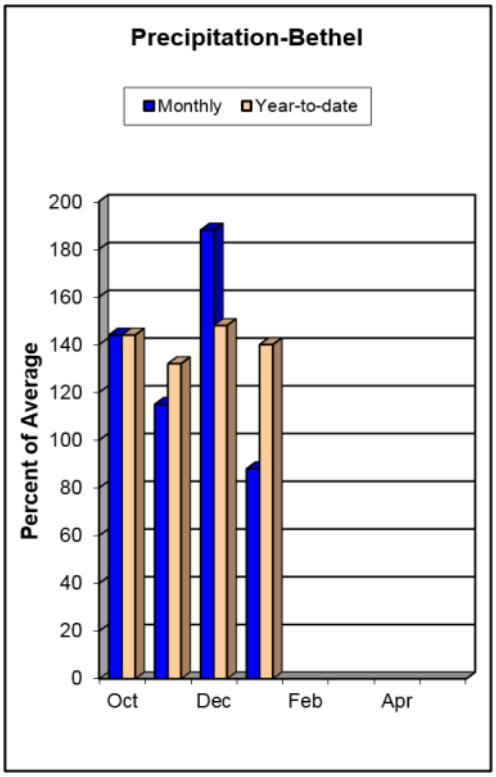
Snowpack Data

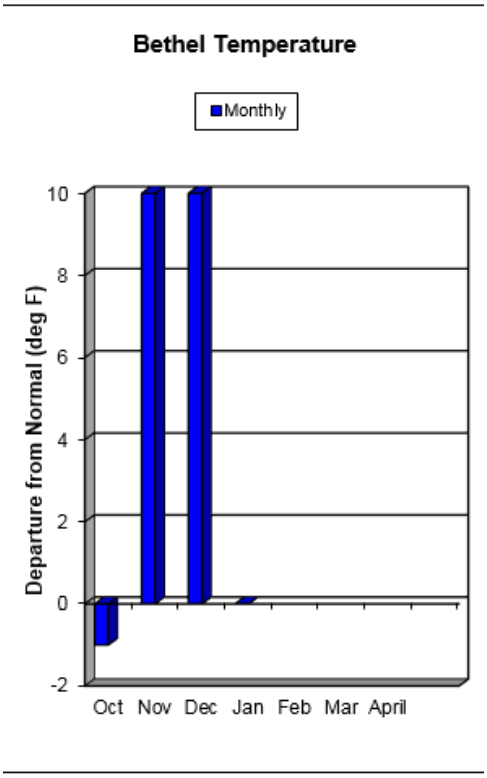
Site Name	Elev.	Date	This Year Snow Depth	This Year Water Content	Last Year Snow Depth	Last Year Water Content	1981-2010 Normal Snow Depth	1981-2010 Normal Water Content
Bristol Bay								
Brooks Camp	150	2/1/2015	1	0.2	0	0	---	---
Fishtrap Lake	1800	*No Survey*	---	---	---	---	28	6.6
Port Alsworth	270	1/30/2015	5	1.0	0	0	17	3.1
Three Forks	1300	2/1/2015	1	0.2	0	0	---	---
Weary Lake	100	2/1/2015	5	---	0	---	---	---
Norton Sound								
Pargon Creek	100	2/1/2015	1	---	2	---	---	---
Rocky Point	250	2/1/2015	5	---	4	---	---	---
Yukon-Kuskokwim Delta								
Kanaryagak Camp	13	2/1/2015	8	---	1	---	---	---

Precipitation

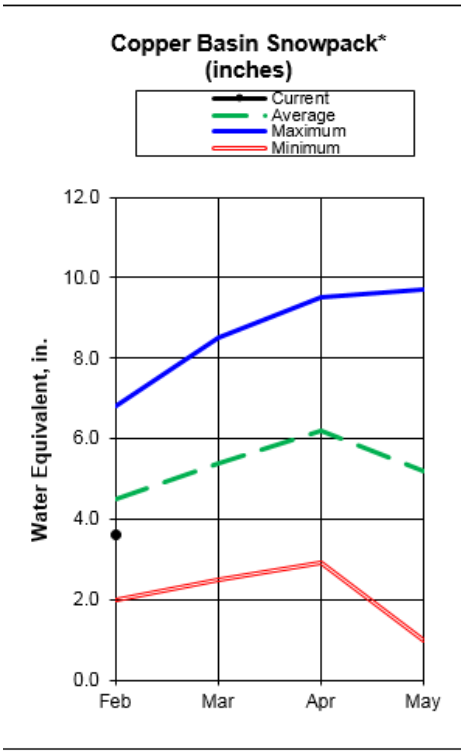
Inches Accumulated since October 1st

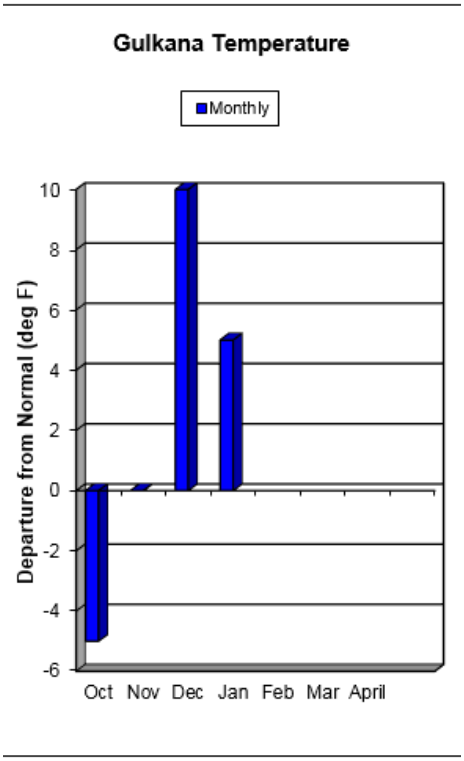
Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Bristol Bay					
Lower Mulchatna	320	5.4	11.6	---	---
Naknek River	100	5.1	12.6	---	---
Weary Lake	100	25.6	37.5	---	---
Norton Sound					
Checkers Creek	326	1.5	---	---	---
Pargon Creek	100	---	8	3.9	---
Rocky Point	250	2.5	7.4	4.1	61%
Yukon - Kuskokwim Delta					
Kanaryagak Camp	13	2.6	7.8	---	---





Copper Basin





Snow pack

The snowpack in the Copper River Basin is near to slightly below normal.

The Alaska Range courses averaged 78% of normal. Paxson snow course was measured with 24 inches of snow with 4.4 inches of SWE 83% of normal, but almost half of last year's record 8.2 inches of water content.

The basin floor ranged varied greatly from east to west. Little Nelchina snow course was 56% of normal while Kenney Lake School snow course was 119% normal. Chistochina and Tolsona were both right at normal.

Worthington Glacier, just north of Thompson Pass, was 71% of normal with 54" of snow and 16.8" of water content.

Copper Basin

Snowpack Data

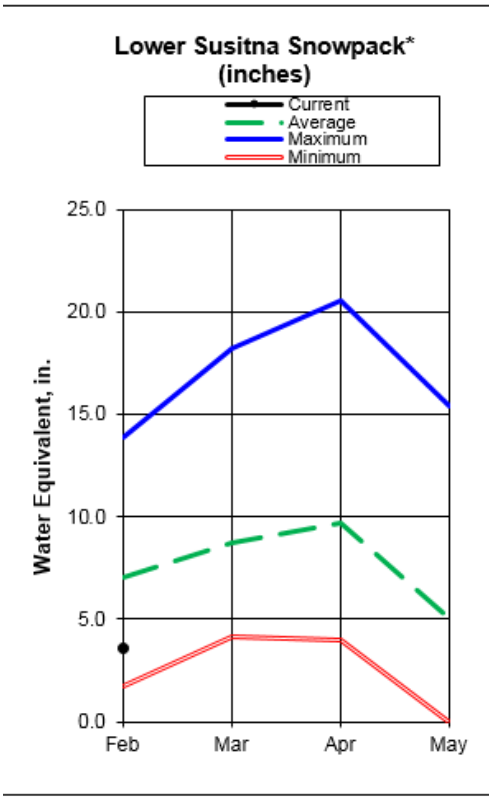
Site Name	Elev.	Date	This Year Snow Depth	This Year Water Content	Last Year Snow Depth	Last Year Water Content	1981-2010 Normal Snow Depth	1981-2010 Normal Water Content
December								
Chokosna	1550	12/2/2014	15	2.9	---	---	---	---
Copper Center	1264	12/2/2014	16	2.4	---	---	---	---
Kenny Lake School	1300	12/1/2014	10	1.9	15	1.7	10	1.3
Lake Louise	2400	12/1/2014	13	1.7	14	1.8	12	1.6
Little Nelchina	2650	12/1/2014	12	1.6	13	1.7	12	1.5
Long Glacier	4820	11/29/2014	13	---	---	---	---	---
May Creek	1610	12/1/2014	8	1.3	8	1.3		2.0
May Creek	1610	11/29/2014	6	1.1	---	---	---	---
Mt. Alyeska	1540	12/1/2014	3	0.8	18	4.1	---	7.5
Notch	2643	11/29/2014	8	---	---	---	---	---
Sheep Mountain	2900	12/1/2014	8	0.9	16	2.2	14	1.8
Tazlina	1250	12/1/2014	12	2.1	14	1.8	9	1.1
Tebay Lake	1930	11/29/2014	9	---	---	---	---	---
Tolsona Creek	2000	12/1/2014	12	2.1	13	1.9	11	1.8
Upper Tsaina River	1750	12/1/2014	13	2.7	36	6.8		5.2
January								
May Creek	1610	1/1/2015	10	2.0	15	2.3		3.0
Tsaina River	1650	1/5/2015	28	5.8	---	---	---	---
Upper Tsaina River	1750	1/1/2015	34	7.4	43	9.9		9.3
Worthington Glacier	2100	1/5/2015	36	8.7	---	---	---	---
February								
Chistochina	1950	2/2/2015	22	2.6	18	3.8	17	2.6
Chokosna	1550	1/30/2015	22	3.7	10	3.2	---	---
Copper Center	1264	2/2/2015	26	4.4	17	4.5	---	---
Dadina Lake	2160	2/4/2015	40	7.6	31	5.5	25	4.4
Fielding Lake	3000	2/2/2015	33	6.2	41	11.2	32	6.6
Haggard Creek	2540	2/2/2015	25	3.8	24	5.4	23	4.1
Horsepasture Pass	4300	2/4/2015	21	3.2	27	5.1	27	4.6
Kenny Lake School	1300	1/29/2015	20	3.1	15	3.4	14	2.6
Lake Louise	2400	1/29/2015	19	2.6	22	3.9	19	3.0
Little Nelchina	2650	1/29/2015	16	2.2	19	3.4	22	3.9
Long Glacier	4820	2/2/2015	33	5.9	30	7.6	---	---
May Creek	1610	2/1/2015	18	2.8	14	4.1	---	3.7
Mentasta Pass	2430	2/2/2015	18	3.0	28	7.2	22	4.0
Monsoon Lake	3100	2/4/2015	16	2.3	22	4.0	25	4.6
Notch	2643	2/2/2015	8	1.2	---	---	---	---
Paxson	2650	2/2/2015	24	4.4	30	8.2	27	5.3
Sanford River	2280	2/4/2015	32	5.8	21	4.2	22	3.8
Sheep Mountain	2900	1/29/2015	16	2.6	22	4.4	21	4.0
St. Anne Lake	1990	2/4/2015	21	3.0	23	4.8	19	3.7
Tazlina	1250	1/29/2015	24	3.3	14	3.8	15	2.8
Tebay Lake	1930	2/2/2015	39	7.4	45	12.6	---	---
Tolsona Creek	2000	1/29/2015	20	3.2	20	4.3	18	3.2
Tsaina River	1650	1/28/2015	40	7.7	---	---	48	11.2
Twin Lakes	2400	2/4/2015	13	1.7	---	---	24	4.4
Upper Tsaina River	1750	2/1/2015	49	10.0	38	---	---	12.9
Worthington Glacier	2100	1/28/2015	54	11.9	---	---	60	16.8

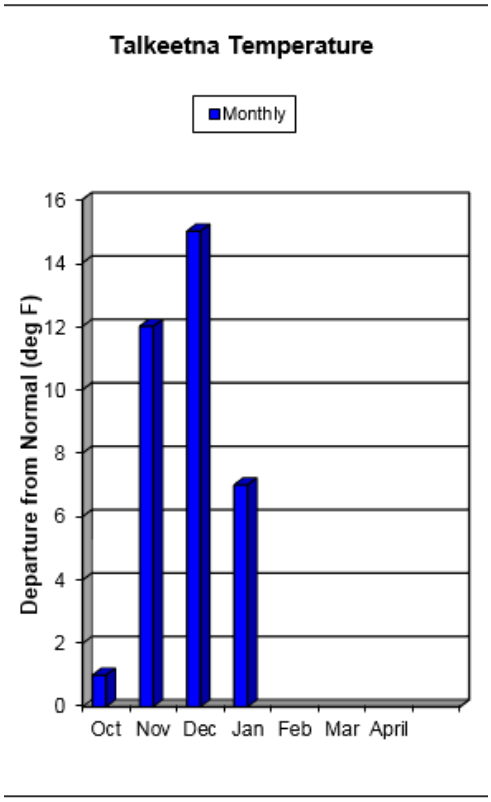
Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
May Creek	1610	3	7	4.7	64%
Upper Tsaina River	1750	13.5	31.2	19.9	68%

Matanuska—Susitna Basin





Snow pack

The snowpack across the Matanuska and Susitna Basins are well below normal.

The lower Susitna Basin snow courses average to 57% of normal. The western side is slightly, just slightly, more healthy than the eastern half. The Willow Airstrip Snow course is 53% of normal with 18" of snow and 2.6" of water content.

In the Matanuska Basin, the southern Talkeetna Mountains are below normal as well. Independence Mine snow course has 38" of snow with 6.6 of water content, 77% of normal. Due to December rain the low elevation snowpack is further diminished. The snowpack at the Little Susitna snow course is 58% of normal and the snow at the Point MacKenzie SNOTEL site is 51% of normal.

Precipitation for the region was two thirds normal.

Matanuska—Susitna Basin

Snowpack Data

Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Con-tent	Snow Depth	Water Con-tent
December								
Archangel Road	2200	11/28/2014	3	0.4	30	5	---	4.6
Blueberry Hill	1200	12/2/2014	9	0.9	30	5.7	---	---
Denali View	700	12/2/2014	9	0.8	23	4	18	3.4
E. Fork Chulitna	1770	12/2/2014	11	1	33	6.8	20	3.9
Fishhook Basin	3300	11/28/2014	7	1	48	11.6	28	6.3
Halfway Slough	350	12/2/2014	8	0.8	14	2.2	---	---
Independence Mine	3550	11/28/2014	8	1.2	56	13.2	31	6.8
Independence Mine SNOTEL	3550	12/1/2014	7	1.6	52	10.6	---	4.2
Lake Louise	2400	12/1/2014	13	1.7	14	1.8	12	1.6
Little Susitna	1700	11/28/2014	2	0.3	26	4.4	20	3.4
Monahan Flat	2710	12/1/2014	9	---	18	---	---	---
Mt. Alyeska	1540	12/1/2014	3	---	18	4.1	---	7.5
Point Mackenzie	250	12/1/2014	3	0.2	8	1.3	---	1
Sheep Mountain	2900	12/1/2014	8	0.9	16	2.2	14	1.8
Susitna Valley High	375	12/1/2014	2	0.4	13	2.6	---	2.9
Talkeetna	350	12/2/2014	8	0.8	15	2	13	1.8
Tokositna Valley	850	12/1/2014	6	1.6	19	3.1	---	4.3
Willow Airstrip	200	12/2/2014	14	1.2	16	2.3	16	2.5
January								
Independence Mine SNOTEL	3550	1/1/2015	28	5.5	49	12.3	---	5.9
Monahan Flat	2710	1/1/2015	17		22	---	---	---
Mt. Alyeska	1540	1/1/2015	15		34	7.4	---	14.7
Point Mackenzie	250	1/1/2015	7	1.4	14	3.1	---	2.6
Susitna Valley High	375	1/1/2015	7	2.2	20	4.4	---	5
Tokositna Valley	850	1/1/2015	27	6.4	26	4.3	---	6

Matanuska—Susitna Basin

Snowpack Data —continued

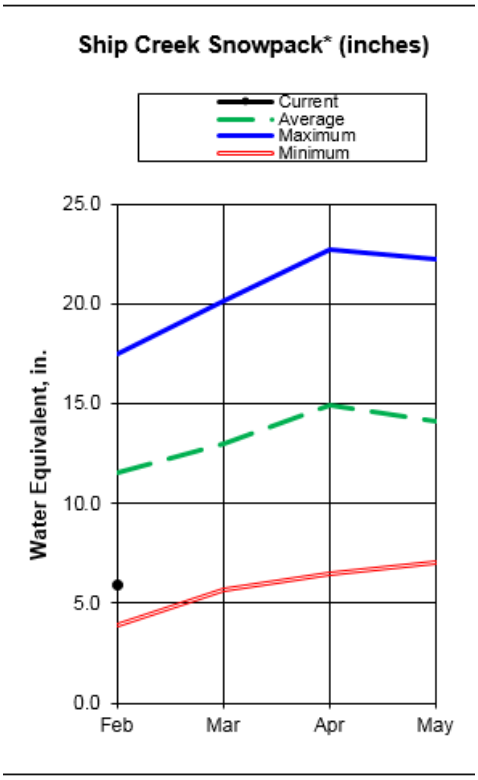
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Con-tent	Snow Depth	Water Con-tent	Snow Depth	Water Con-tent
February								
Alexander Lake	160	1/29/2015	23	4.7	27	7.3	37	8
Archangel Road	2200	1/30/2015	29	5.9	35	10.5	38	10
Blueberry Hill	1200	1/29/2015	31	6.6	33	10	43	10.7
Chelatna Lake	1450	1/28/2015	25	5.2	15	4	38	8.6
Clearwater Lake	2650	2/4/2015	20	2.8	24	4.2	22	4
Curtis Lake	2850	2/4/2015	13	2.4	18	3.3	20	3.2
Denali View	700	1/29/2015	25	4	25	8.2	35	8.8
Dunkle Hills	2700	1/29/2015	18	3.1	48	15.8	---	---
Dutch Hills	3100	1/29/2015	43	11.1	69	23.5	62	18
E. Fork Chulitna	1770	1/29/2015	30	5.8	40	10.9	41	9.5
Fishhook Basin	3300	1/30/2015	36	7.8	58	17.9	46	12.5
Fog Lakes	2120	2/4/2015	11	1.6	24	4.3	20	3.4
Halfway Slough	350	1/29/2015	16	2.2	16	4.2	---	---
Horsepasture Pass	4300	2/4/2015	21	3.2	27	5.1	27	4.6
Independence Mine	3550	1/30/2015	38	9.4	65	21.8	52	14.5
Independence Mine SNOTEL	3550	2/1/2015	27	6.6	56	15.6	---	8.6
Lake Louise	2400	1/29/2015	19	2.6	22	3.9	19	3
Little Susitna	1700	1/30/2015	26	4.6	34	9.2	34	8
Monahan Flat	2710	2/1/2015	19	---	24	---	---	---
Mt. Alyeska	1540	2/1/2015	9	2.4	20	6.4	---	20.8
Nugget Bench	2010	1/29/2015	21	4.4	29	7.5	42	10.8
Point Mackenzie	250	2/1/2015	10	2.1	13	4	---	4.1
Ramsdyke Creek	2220	1/29/2015	42	10.5	43	14.3	56	15.5
Sheep Mountain	2900	1/29/2015	16	2.6	22	4.4	21	4
Skwentna	160	1/29/2015	21	4.5	22	5.8	36	8
Square Lake	2950	2/4/2015	17	2.8	16	3.1	20	3.1
Susitna Valley High	375	2/1/2015	15	3.4	19	7.6	---	6.3
Talkeetna	350	1/29/2015	19	2.7	17	4.9	24	4.8
Tokositna Valley	850	1/29/2015	27	6.5	---	---	48	13.2
Tokositna Valley	850	2/1/2015	30	7.3	27	7.6	---	8.5
Tyone River	2400	2/4/2015	15	2.1	---	---	20	4
Upper Oshetna River	3150	2/4/2015	7	1.1	19	3.3	19	3.1
Upper Sanona Creek	3100	2/4/2015	12	1.7	26	4.9	23	3.9
Willow Airstrip	200	1/29/2015	18	2.6	21	5.7	25	4.9

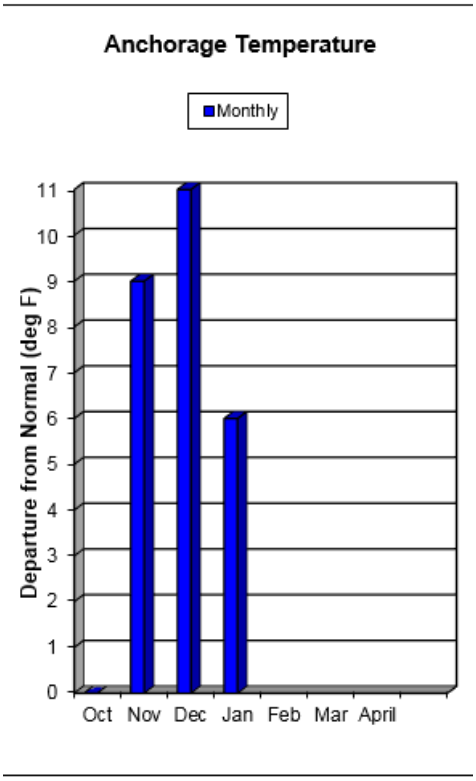
Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Alexander Lake	160	7.1	---	---	---
Independence Mine	3550	8.1	22.8	11	74%
Monahan Flat	2710	1.7	6.5	5.8	29%
Susitna Valley High	375	5.8	16.7	8.8	66%
Tokositna Valley	850	9.2	27	15.2	61%

Northern Cook Inlet





Snow pack

If you didn't think snow conditions in Northern Cook Inlet could get worse than last year, there's this year to prove you wrong. Snow Conditions in Northern Cook Inlet are much below normal. The nine snow sites in the basin average only 30% of normal, down from 42% last year at this time.

The Mt. Alyeska SNOTEL site had 9" of Snow with 2.4' of water content, 12% of normal and 38% percent of what was last year's record setting low water content. This is the lowest record since the record began in 1973. Kinkaid Park had 6" of snow with 0.6" of water content, the lowest since 1996.

The five SNOTEL sites in this area average 69% of normal for precipitation this water year, ranging from 52% of normal at Anchorage Hillside SNOTEL to 82% at Mt. Alyeska.

Northern Cook Inlet

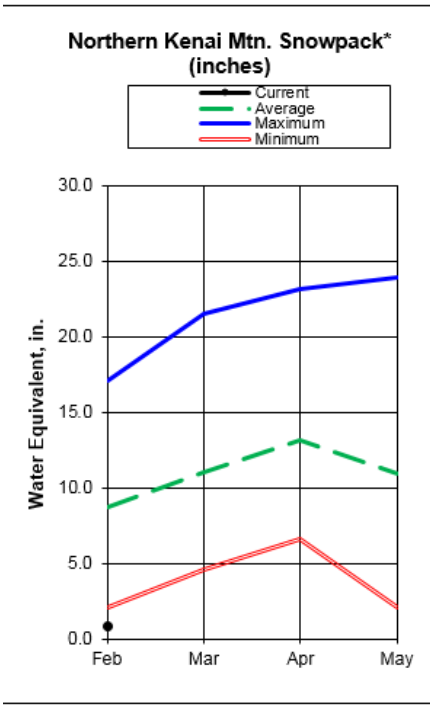
Snowpack Data

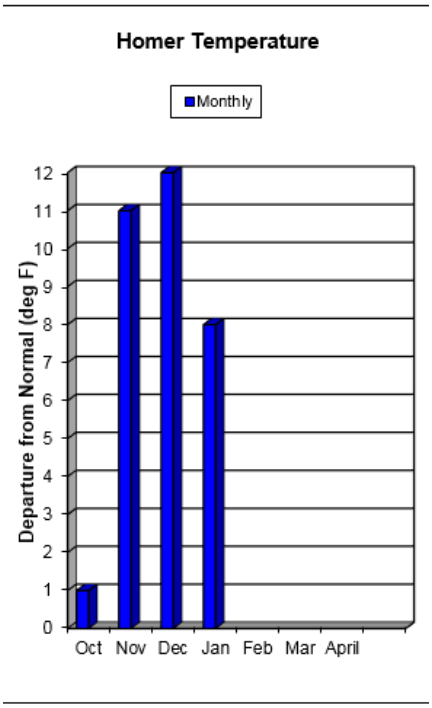
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Con-tent	Snow Depth	Water Con-tent
December								
Anchorage Hillside	2080	12/1/2014	3	0.6	10	1.3	---	3.5
Indian Pass	2350	12/1/2014	11	1.9	27	3.9	---	6.3
Kinkaid Park	250	12/1/2014	2	0.3	7	0.8	7	1.2
Moraine	2100	12/1/2014	2	0.3	3	0.8	---	2.3
Mt. Alyeska	1540	12/1/2014	3	---	18	4.1	---	7.5
South Campbell Creek	1200	12/1/2014	5	1.0	9	1.5	12	2 .0
February								
Anchorage Hillside	2080	2/1/2015	10	3.0	10	2.8	---	7.1
Indian Pass	2350	2/1/2015	32	8.0	32	8.8	---	16.6
Kinkaid Park	250	2/2/2015	6	0.6	9	2.2	15	3.1
Moraine	2100	2/1/2015	3	1.0	2	1.0	---	5.4
Mt. Alyeska	1540	2/1/2015	9	2.4	20	6.4	---	20.8
South Campbell Creek	1200	2/2/2015	10	1.1	4	1.0	20	4.7

Precipitation

		Inches Accumulated since October 1st			
Site Name	**Elev.**	**This Year**	**Last Year**	**1981-2010 Normal**	**% of Normal**
Anchorage Hillside	2080	5.4	12.9	10.3	52%
Indian Pass	2350	11.2	23	18.3	61%
Moraine	2100	4.6	7.2	8.5	54%
Mt. Alyeska	1540	27.6	34.8	33.5	82%
Point Mackenzie	250	3.9	11.2	6.2	63%

Kenai Peninsula





Snow pack

Like last year, the whole Kenai Peninsula has much below normal snowpack. Worse, this year. Several sites have new record lows. The Peninsula's 19 sites average 22% of normal compared to 38% or normal last year. However, the 11 precipitation sites are 95% of normal for the water year. Much of this winter's precipitation has come as rain.

The Northern Kenai Mountains' 10 snow courses average 18% of normal, down from 35% last February. Bertha Creek snow course has 2" of snow with 0.4" of water content, 3% of normal and a new record low for the site which began in 1970. No other year is even close. Likewise, Grandview SNOTEL, whose record begins in 1992 has set a new record low with 4" of snow and 0.9" of water content, 5% of normal. Turnagain Pass SNOTEL has also set a new 32 year record low with 31" of snow and 8.9" of water content, 39% of normal. Kenai Summit snow course set a new 45-year record low with 8" of snow and 1.4" of water content, 15% of normal. Snowpacks above the high rainlines at 3000' elevation are more robust and closer to normal, but are not quantifiable.

North of Sterling, Kenai Moose Pens SNOTEL site has 5: of snow with 1.0" of water content, 28% of normal and the lowest February 1 reading since 1996. The site has received 2.2" of precipitation this water year, 35% of normal.

The snow courses near Homer average 28% of normal. Bridge Creek snow course, which began in 1972, set a new record low with 3" of snow and 0.3" of water content, 4% of normal. Demonstration forest, likewise set a new low with 2" of snow and 0.4" of water content, 8% of normal. The two SNOTEL sites in this area have received 71% of normal precipitation for the water year.

South, across Kachemak Bay, the SNOTEL sites have receive 115% of normal precipitation since October First, but have less than inspiring snowpacks. Nuka Glacier SNOTEL has 4" of snow and Port Graham has 3" with 1.1" of water content, 23% of normal.

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
December								
Anchor River Divide	1653	12/1/2014	5	1.1	4	1.1	---	2.9
Bertha Creek	950	11/29/2014	1	0.1	11	1.7	---	---
Bridge Creek	1300	12/1/2014	5	0.5	5	0.7	12	1.5
Cooper Lake	1200	12/1/2014	2	0.2	10	1.9	---	3.2
Demonstration Forest	780	12/1/2014	3	0.5	7	1.1	8	1.0
Exit Glacier	400	12/3/2014	9	1.9	6	0.9	18	3.2
Exit Glacier	400	12/1/2014	1	0.3	3	1.8	---	3.5
Grandview	1100	12/1/2014	3	0.7	10	1.8	---	5.3
Grouse Creek Divide	700	12/1/2014	0	0.0	10	2.6	---	2.9
Jean Lake	620	12/2/2014	5	0.5	6	1.0	8	1.0
Kenai Moose Pens	300	12/1/2014	0	0.0	4	0.5	---	1.2
Mcneil Canyon	1320	12/1/2014	4	0.2	4	0.8	---	1.9
Middle Fork Bradley	2300	12/1/2014	8	---	4	---	---	---
Moose Pass	700	11/29/2014	0	0.0	8	1.1	11	1.6
Mt. Alyeska	1540	12/1/2014	3	---	18	4.1	---	7.5
Mt. Eyak	1405	12/1/2014	3	0.8	12	3.6	---	7.4
Nuka Glacier	1250	12/4/2015	18	3.0	7	1.4	14	4.2
Port Graham	300	12/1/2014	1	0.1	4	1.6	---	0.5
Portage Valley	50	11/29/2014	1	0.1	13	2.0	14	2.8
Snug Harbor Road	500	12/2/2014	3	0.6	3	0.5	8	1.0
Summit Creek	1400	12/1/2014	3	0.3	13	2.8	---	2.6
Turnagain Pass	1880	12/1/2014	19	5.0	13	2.3	---	7.4
January								
Anchor River Divide	1653	1/1/2015	12.00	4.0	11	3.0	---	5.9
Cooper Lake	1200	1/1/2015	6.00	1.3	17	4.7	---	8.2
Exit Glacier	400	1/2/2015	5.00	2.0	---	---	32	8.0
Exit Glacier	400	1/1/2015	3.00	2.0	15	3.9	---	8.0
Grandview	1100	1/1/2015	7.00	1.6	20	3.8	---	14.2
Grouse Creek Divide	700	1/1/2015	1.00	0.7	16	4.5	---	8.3
Kenai Moose Pens	300	1/1/2015	3.00	0.7	11	2.1	---	2.5
Lowe River	600	1/6/2015	24	4.5	---	---	---	---
Mcneil Canyon	1320	1/1/2015	2	1.0	10	2.4	---	4.7
Middle Fork Bradley	2300	1/1/2015	3	---	9	---	---	---
Mt. Eyak	1405	1/1/2015	7	2.9	27	7.9	---	12.8
Nuka Glacier	1250	1/1/2015	5	---	11	---	---	---
Port Graham	300	1/1/2015	0	0.0	12	4.3	---	3.5
Portage Valley	50	12/31/2015	0	0.1	23	5.5	32	7.2
Summit Creek	1400	1/1/2015	7	2.3	19	4.0	---	6.2
Turnagain Pass	1880	1/1/2015	35	8.5	30	5.2	---	15.3

Kenai Peninsula

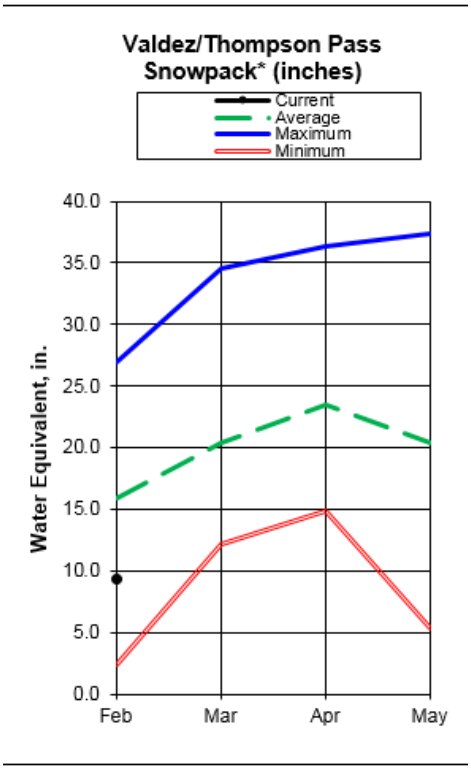
Snowpack Data – continued

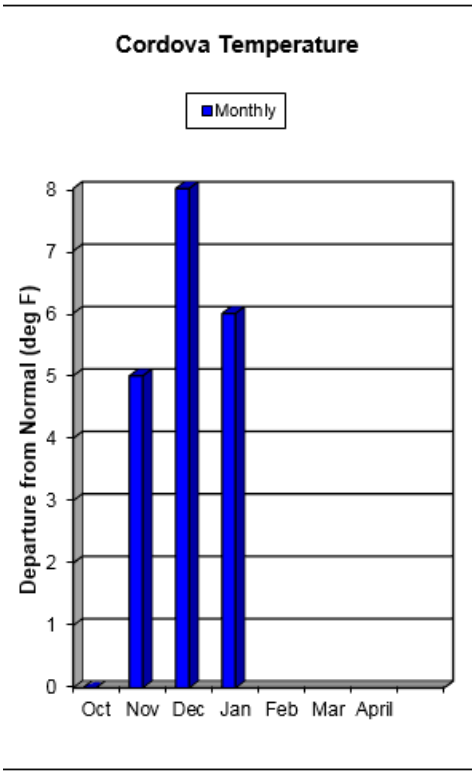
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
February								
Anchor River Divide	1653	2/1/2015	13	5.2	12	5.2	---	8.8
Bertha Creek	950	1/30/2015	2	0.4	15	3.4	44	12.4
Bridge Creek	1300	2/2/2015	3	0.3	8	2.0	30	7.4
Cooper Lake	1200	2/1/2015	8	2.5	10	2.7	---	11.3
Demonstration Forest	780	2/2/2015	2	0.4	6	2.4	20	4.8
Exit Glacier	400	2/2/2015	7	1.9	13	5.0	42	11.7
Exit Glacier	400	2/1/2015	7	2.6	13	5.4	---	11.7
Grandview	1100	2/1/2015	4	0.9	13	4.4	---	19.7
Grouse Creek Divide	700	2/1/2015	2	1.0	12	5.3	---	12.3
Jean Lake	620	1/30/2015	6	0.9	0	0.0	14	3.0
Kenai Moose Pens	300	2/1/2015	5	1.0	7	2.2	---	3.6
Kenai Summit	1390	1/30/2015	8	1.4	17	4.3	37	9.6
Lowe River	600	1/28/2015	36	8.0	---	---	44	11.1
Mcneil Canyon	1320	2/1/2015	5	1.9	3	1.2	---	7.1
Moose Pass	700	1/30/2015	2	0.5	0	0.0	20	4.9
Mt. Alyeska	1540	2/1/2015	9	2.4	20	6.4	---	20.8
Mt. Eyak	1405	2/1/2015	14	3.5	11	3.9	---	17.9
Nuka Glacier	1250	2/1/2015	4	---	3	---	---	---
Port Graham	300	2/1/2015	3	1.1	0	0.0	---	4.8
Portage Valley	50	1/30/2015	8	0.9	0	0.0	26	8.4
Snug Harbor Road	500	1/30/2015	4	0.5	0	0.0	15	3.6
Summit Creek	1400	2/1/2015	7	2.6	15	4.8	---	8.1
Turnagain Pass	1880	2/1/2015	31	8.9	29	11.0	---	23.0

Precipitation

		Inches Accumulated since October 1st			
Site Name	**Elev.**	**This Year**	**Last Year**	**1981-2010 Normal**	**% of Normal**
Anchor River Divide	1653	9.7	15.7	12.5	78%
Cooper Lake	1200	13.5	23.5	20	68%
Grandview	1100	31.1	27	30	104%
Grouse Creek Divide	700	24.3	31.9	28.2	86%
Kachemak Creek	1660	41.1	40.7	30.6	134%
Kenai Moose Pens	300	2.2	9	6.3	35%
Mcneil Canyon	1320	8.3	10.6	13	64%
Middle Fork Bradley	2300	---	30.3	25.3	---
Nuka Glacier	1250	51.1	49.4	41.3	124%
Port Graham	300	32.7	38.5	36.9	89%
Summit Creek	1400	8.4	18.1	11.9	71%
Turnagain Pass	1880	23.2	27.5	28.5	81%

Western Gulf





Snow pack

The Western Gulf of Alaska area has normal to much below normal snowpack, but near normal precipitation. Warmer than normal temperatures have brought rain, instead on snow to many locations.

Measured snowpack in Prince William Sound ranges from 8%-72% of normal. The snow courses near Valdez were the most robust and all measured around 60-70% or normal.

Sites located near Seward or Cordova measured closer to 20% of normal with Grouse Creek Divide at a measly 8% of normal with 2" of snowdepth.

All sites have made gains through the winter and have more snow on February 1st than on December 1st.

Precipitation for this region is near normal for the water year. A wetter than normal November and December made up for a drier than normal October. Most site received near normal precipitation during January.

Western Gulf

Snowpack Data

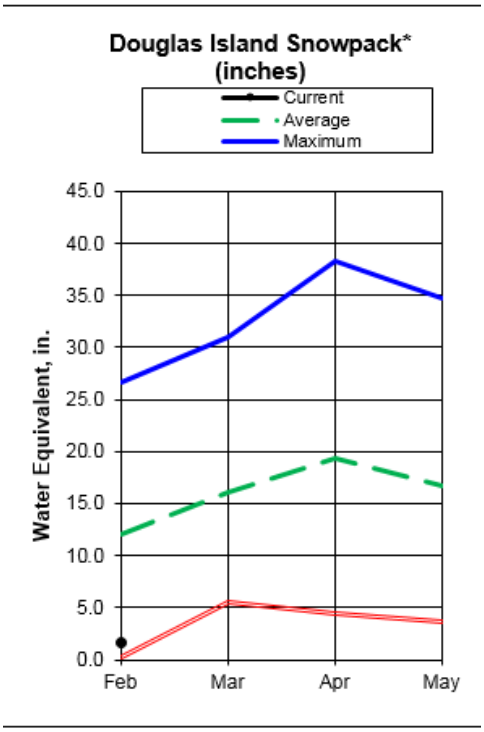
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Con-tent	Snow Depth	Water Con-tent
December								
Exit Glacier SNOTEL	400	12/1/2014	1	0.3	3	1.8	---	3.5
Exit Glacier Snow Course	400	12/3/2014	9	1.9	6	0.9	18	3.2
Grouse Creek Divide	700	12/1/2014	0	0	10	2.6	---	2.9
Mt. Eyak	1405	12/1/2014	3	0.8	12	3.6	---	7.4
Nuka Glacier	1250	12/4/2014	18	3	7	1.4	14	4.2
Sugarloaf Mountain	550	12/3/2014	12	1.2	22	6.8	---	---
Upper Tsaina River	1750	12/1/2014	13	2.7	36	6.8	---	---
February								
Exit Glacier SNOTEL	400	2/2/2015	7	1.9	13	5	42	11.7
Exit Glacier Snow Course	400	2/1/2015	7	2.6	13	5.4	---	11.7
Grouse Creek Divide	700	2/1/2015	2	1	12	5.3	---	12.3
Lowe River	600	1/28/2015	36	8	---	---	44	11.1
Mt. Eyak	1405	2/1/2015	14	3.5	11	3.9	---	17.9
Nuka Glacier	1250	*No Survey*	---	---	---	---	59	18.6
Sugarloaf Mountain	550	2/1/2015	40	10.2	46	16	60	16.7
Tsaina River	1650	1/28/2015	40	7.7	---	---	48	11.2
Upper Tsaina River	1750	2/1/2015	49	10	38	---	---	12.9
Valdez	50	1/29/2015	31	7.1	---	---	42	11.4
Worthington Glacier	2100	1/28/2015	54	11.9	---	---	60	16.8

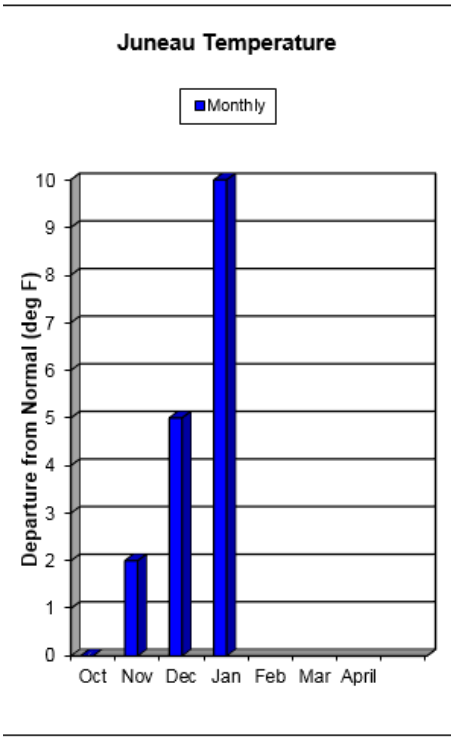
Precipitation

Inches Accumulated since October 1st

Site Name	Elev.	This Year	Last Year	1981-2010 Normal	% of Normal
Esther Island	50	67.8	80.8	60.7	112%
Grouse Creek Divide	700	24.3	31.9	28.2	86%
Mt. Eyak	1405	49.2	73.7	---	---
Nuchek	50	59.3	87.2	---	---
Nuka Glacier	1250	51.1	49.4	41.3	124%
Port San Juan	50	59.1	63	56.7	104%
Seal Island	20	29.1	35.5	---	---
Sugarloaf Mtn	550	21.5	51.2	29.3	73%
Tatitlek	50	28.8	49.7	30.6	94%

Southeast





Snow pack

The snowpack in Southeast is meager with most snow courses reading less than a quarter normal. Generally, higher elevation sites are faring better than low elevation sites and northern sites better than southern sites. Temperature, rather than amounts of precipitation was the controlling factor for snowpack so far this winter.

The Petersburg-Wrangell area had very little snow. Petersburg Reservoir and Rainbow Falls snow courses, both at 500', had no snow at all. The upper elevation snow courses fare little better. Petersburg ridge, at 1650' had 7 inches of snow depth with 1.2 inches of water content (7% of normal) and Institute Creek, at 1350' in elevation only had 2 inches of snow. All four snow courses had more snow December 1st than on February 1st.

The Douglas Island snow courses, across from Juneau, all had snow, but only by a few days. At 1650' of elevation, Cropley Lake snow course was the only Douglas island snow course with more snow on February 1 than December 1. The three sites averaged 15% of normal.

Moore Creek Bridge snow course, north of Skagway at 2250' of elevation was the only near normal site in Southeast Alaska with 40 inches of snow and 13.6 inches of water content, which is 94% of normal.

Both Moore Creek Bridge SNOTEL and Long Lake SNOTEL sites had just above normal precipitation for the water year. They had a wetter than normal October, followed by drier than normal November and December. January was very wet with the two sites averaging 185% of normal for the month.

Southeast

Snowpack Data

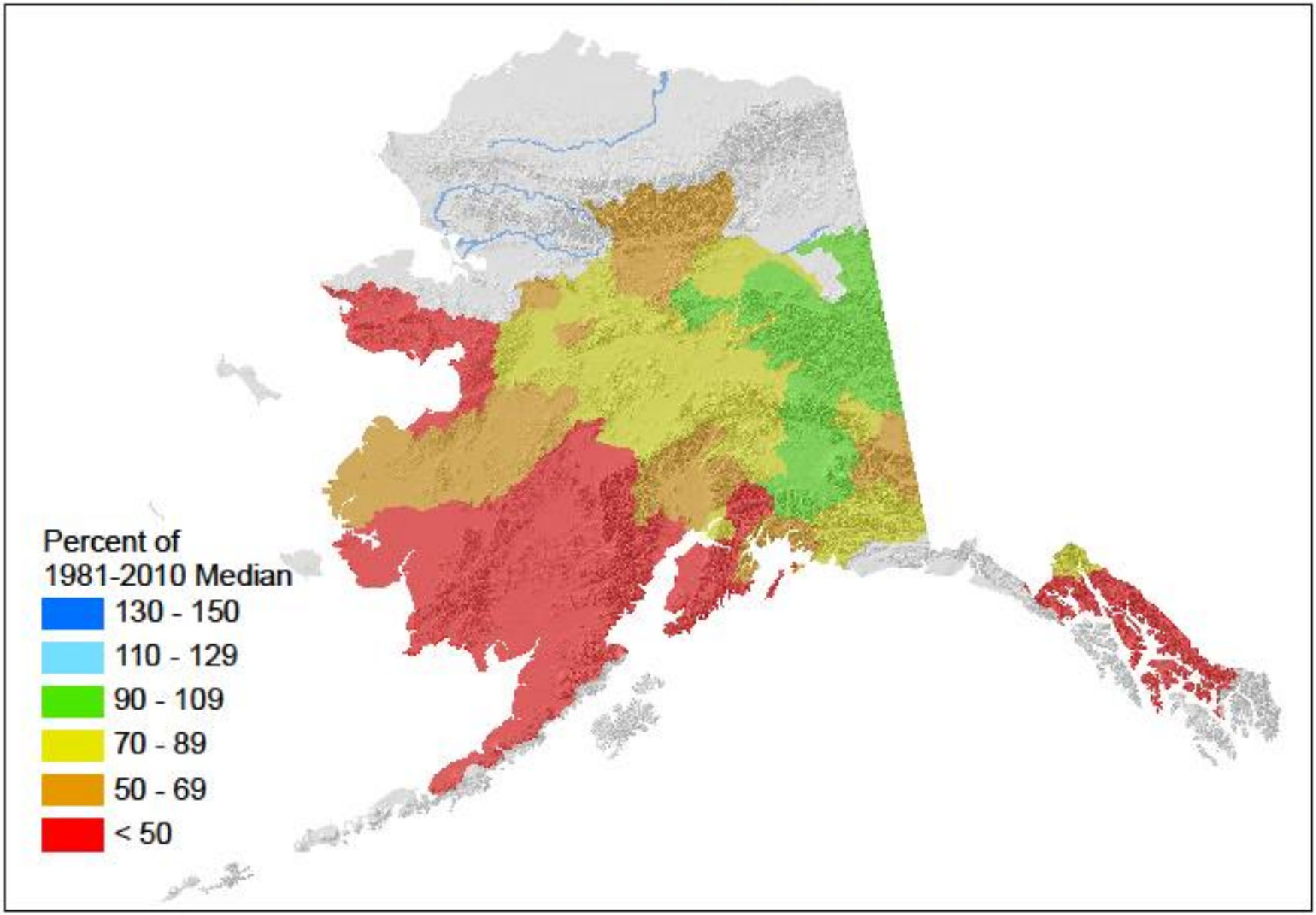
Site Name	Elev.	Date	This Year		Last Year		1981-2010 Normal	
			Snow Depth	Water Content	Snow Depth	Water Content	Snow Depth	Water Content
December								
Cropley Lake	1650	12/1/2014	11	2.0	18	6.0	21	5.7
Eagle Crest	1200	12/1/2014	10	1.0	13	3.7	6	1
Fish Creek	500	12/1/2014	7	1.0	0	0.0	0	---
Institute Creek	1350	12/3/2014	13	2.0	3	0.5	---	---
Long Lake	850	12/1/2014	11	2.5	29	7.8	---	9.5
Moore Creek Bridge	2250	11/30/2014	11	1.8	16	4.0	22	4.2
Petersburg Reservoir	550	12/1/2014	18	1.7	0	0.0	---	---
Petersburg Ridge, S.	1650	12/1/2014	10	1.2	12	3.3	---	---
Rainbow Falls	500	12/2/2014	12	1.7	0	0.0	---	---
West Creek	475	12/3/2014	0	0.0	10	3.0	---	---
February								
Cropley Lake	1650	1/31/2015	14	3.2	52	16.6	56	18.4
Eagle Crest	1200	1/31/2015	5	0.8	34	10.8	36	10.6
Fish Creek	500	1/31/2015	6	0.7	26	7.8	14	3.1
Institute Creek	1350	1/29/2015	2	0.5	12	4.6	---	---
Long Lake	850	2/1/2015	36	13.5	66	27.2	---	25.2
Moore Creek Bridge	2250	1/31/2015	40	12.8	40	16.2	54	13.6
Petersburg Reservoir	550	1/30/2015	0	0.0	0	0.0	16	3.7
Petersburg Ridge, S.	1650	1/30/2015	7	1.2	28	11.2	48	16.7
Rainbow Falls	500	1/29/2015	0	0.0	0	0.0	---	---
West Creek	475	1/30/2015	8	1.0	25	9.2	---	---

Precipitation Data

		Inches Accumulated since October 1st			
Site Name	**Elev.**	**This Year**	**Last Year**	**1981-2010 Normal**	**% of Normal**
Long Lake	850	80.3	78.5	75	107%
Moore Creek Bridge	2250	22.1	21.7	20.1	110%

Alaska Snowpack as of February 1, 2015

Based on Snow Water Content



USDA NRCS

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**

NRCS Snow Survey Office
Daniel Fisher, Hydrologist
800 West Evergreen Avenue
Palmer, Alaska 99645
Telephone: (907) 761-7746
Facsimile: (907) 761-7790
E-mail: Daniel.Fisher@ak.usda.gov

Delta Junction Work Unit
Michael Stephens, Conservationist
Telephone: (907) 895-4241 x 103
Facsimile: (907) 895-5003
E-mail: Michael.Stephens@ak.usda.gov

Fairbanks Hub Office
Joanne Kuykendall, Conservationist
Telephone: (907) 479-3159 x 1010
Facsimile: (907) 479-6998
E-mail: Joanne.Kuykendall@ak.usda.gov

Homer Work Unit
Craig Sanders, Conservationist
Telephone: (907) 235-8177 x 103
Facsimile: (907) 235-2364
E-mail: Craig.Sanders@ak.usda.gov

Central Hub Office
Keith Griswold, Conservationist
Telephone: (907) 373-6492 x 101
Facsimile: (907) 373-7192
E-mail: Keith.Griswold@ak.usda.gov