Alaska Data Collection Office

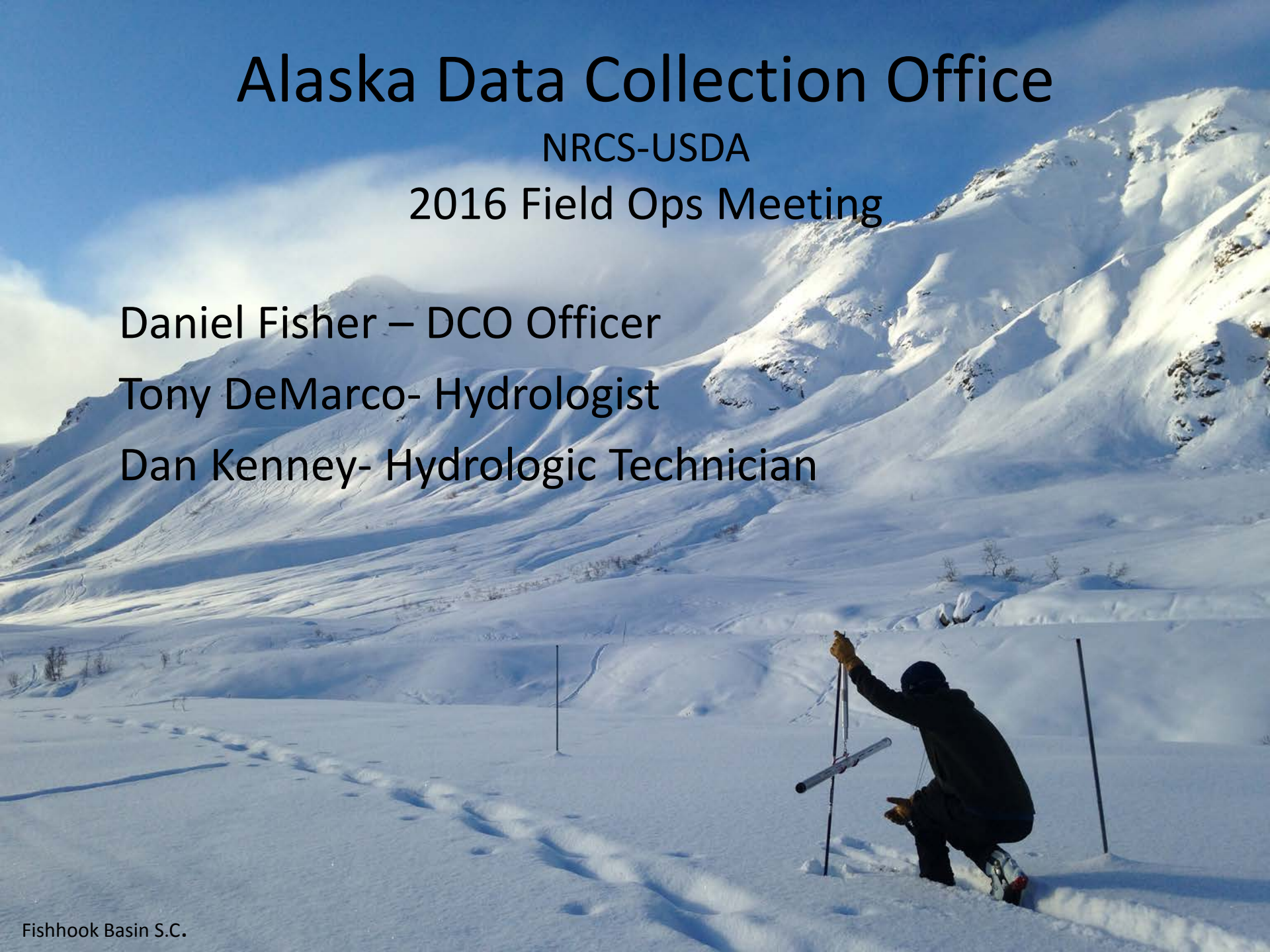
NRCS-USDA

2016 Field Ops Meeting

Daniel Fisher – DCO Officer

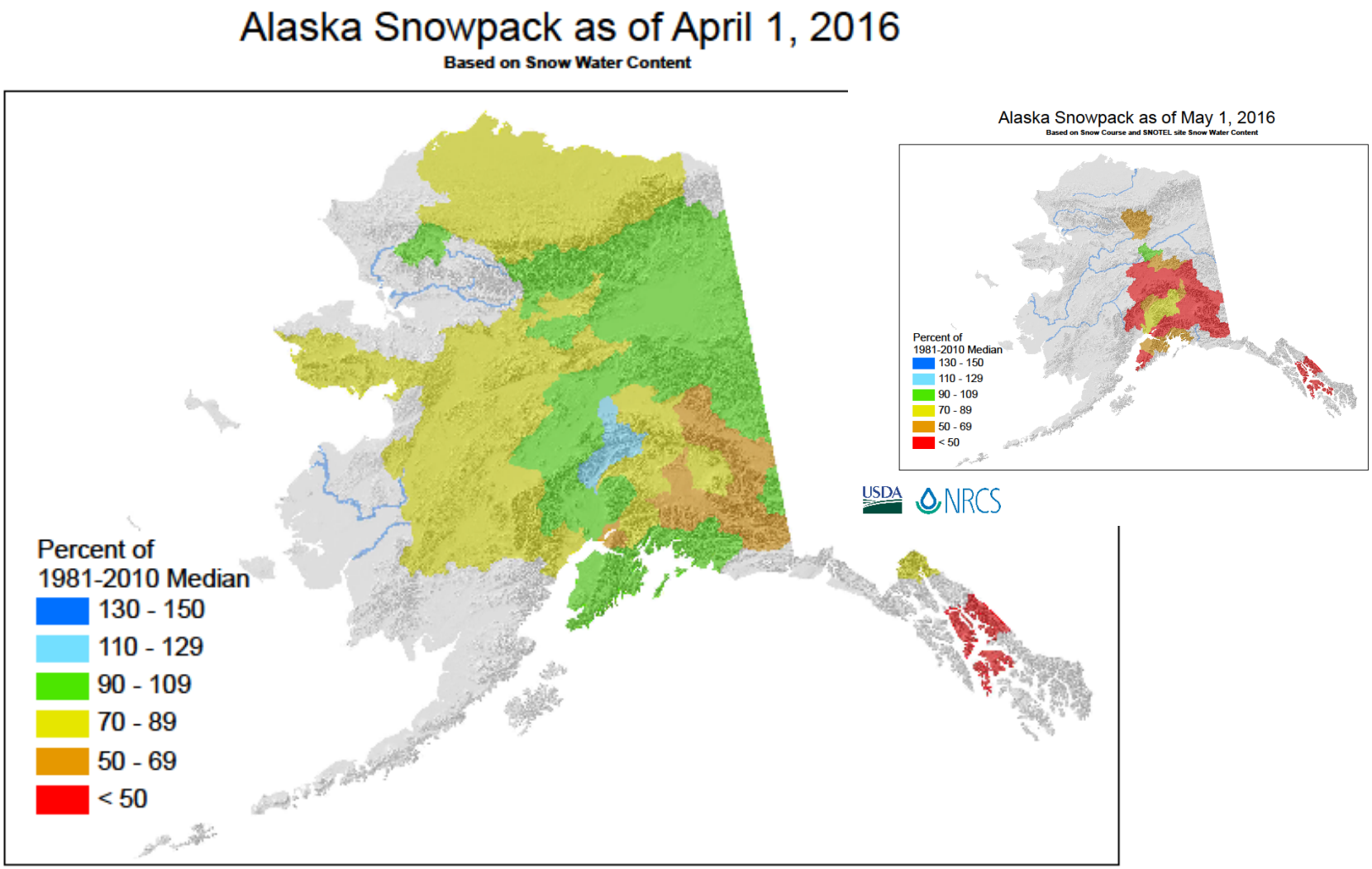
Tony DeMarco- Hydrologist

Dan Kenney- Hydrologic Technician

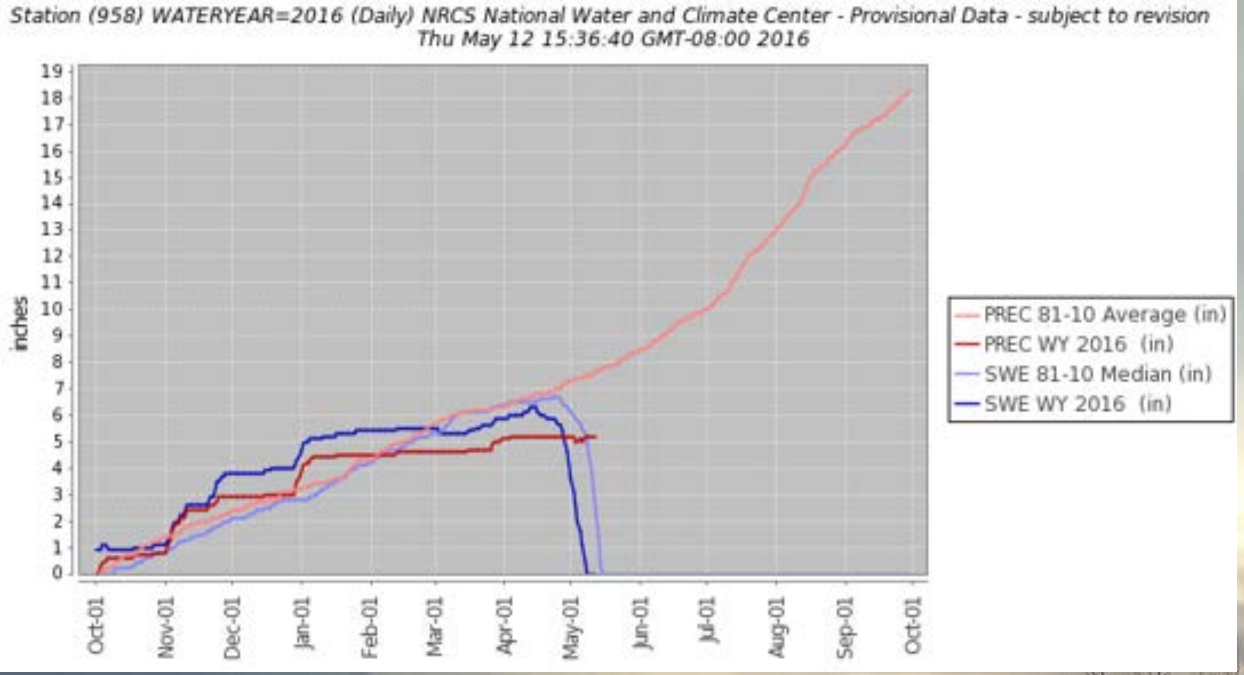


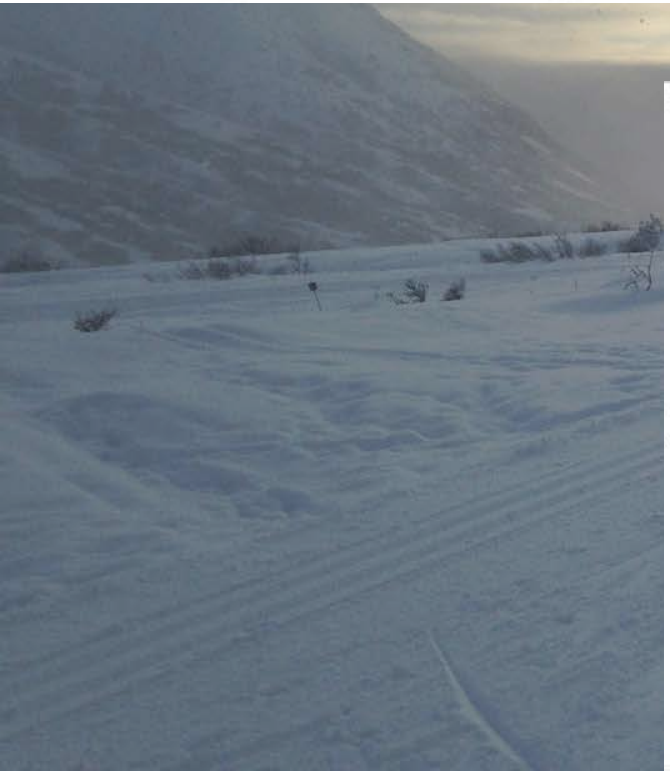
Fishhook Basin S.C.

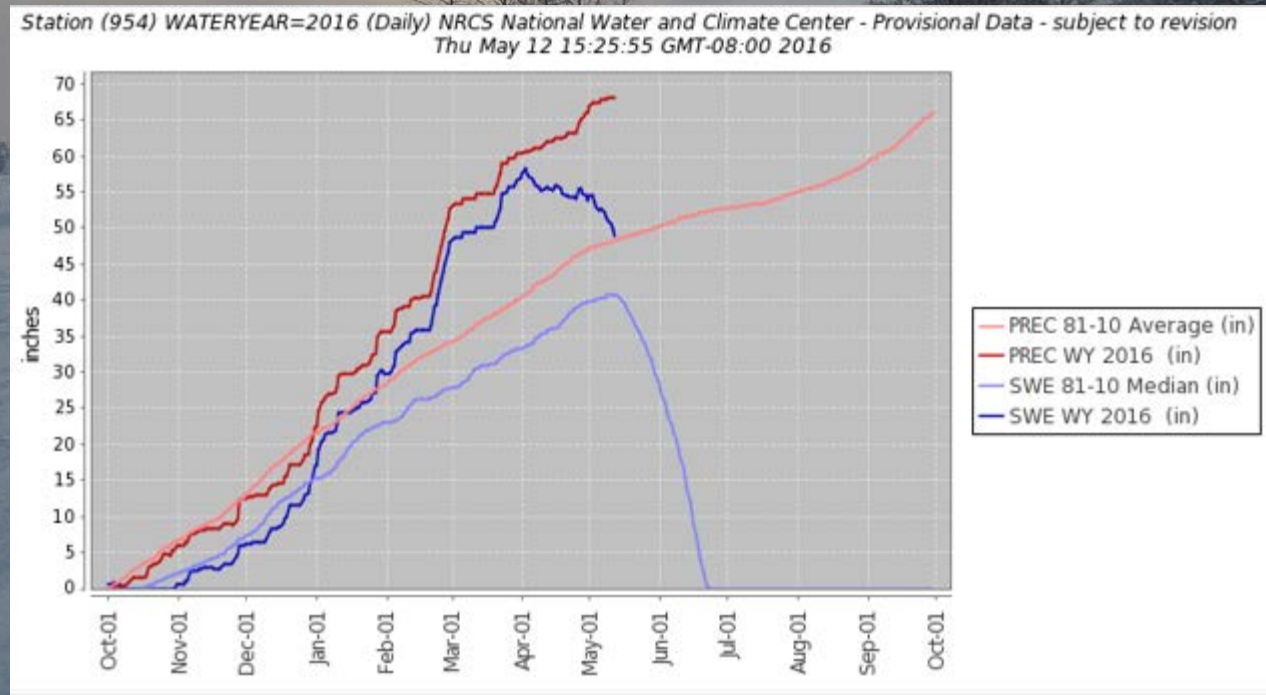
Snowpack Winter 2016



USDA NRCS


Station (958) WATERYEAR=2016 (Daily) NRCS National Water and Climate Center - Provisional Data - subject to revision
Thu May 12 15:36:40 GMT-08:00 2016
inches
PREC 81-10 Average (in)
PREC WY 2016 (in)
SWE 81-10 Median (in)
SWE WY 2016 (in)
Oct-01
Nov-01
Dec-01
Jan-01
Feb-01
Mar-01
Apr-01
May-01
Jun-01
Jul-01
Aug-01
Sep-01
Oct-01

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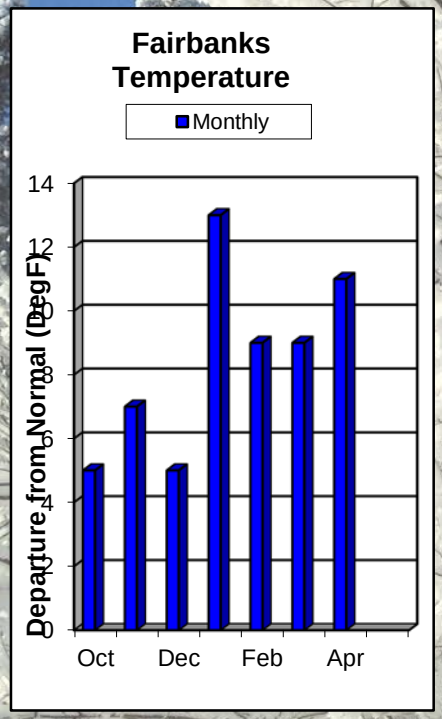
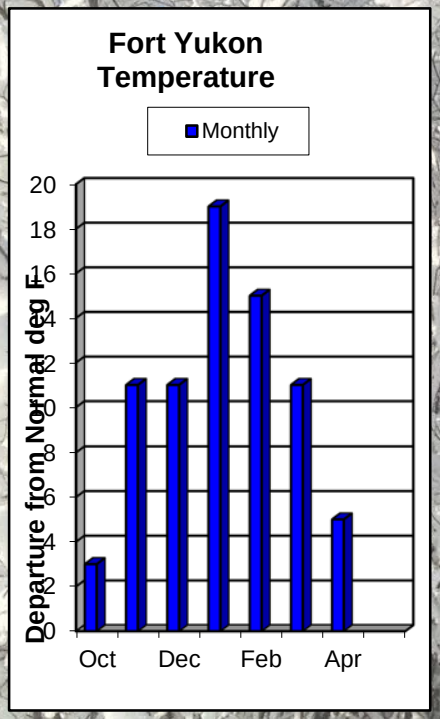
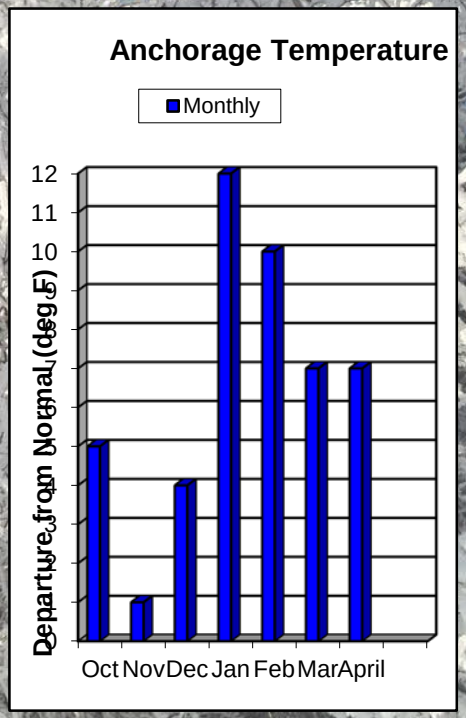
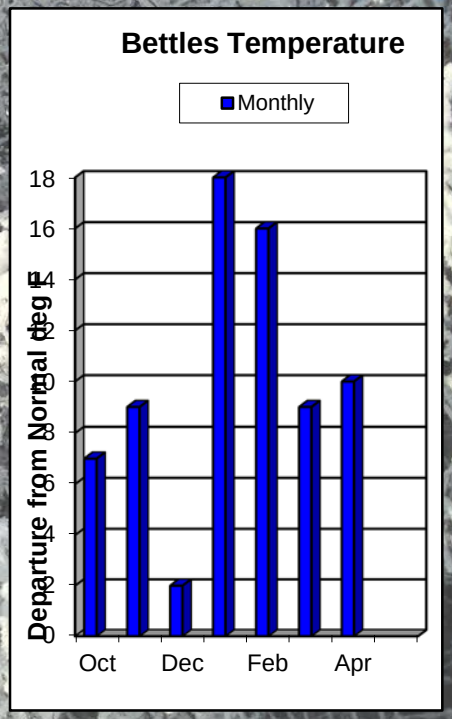
inches
PREC 81-10 Average (in)
PREC WY 2016 (in)
SWE 81-10 Median (in)
SWE WY 2016 (in)
Oct-01
Nov-01
Dec-01
Jan-01
Feb-01
Mar-01
Apr-01
May-01
Jun-01
Jul-01
Aug-01
Sep-01
Oct-01

The winter of 2016 was a warm one….









Coldest temps recorded during water year:

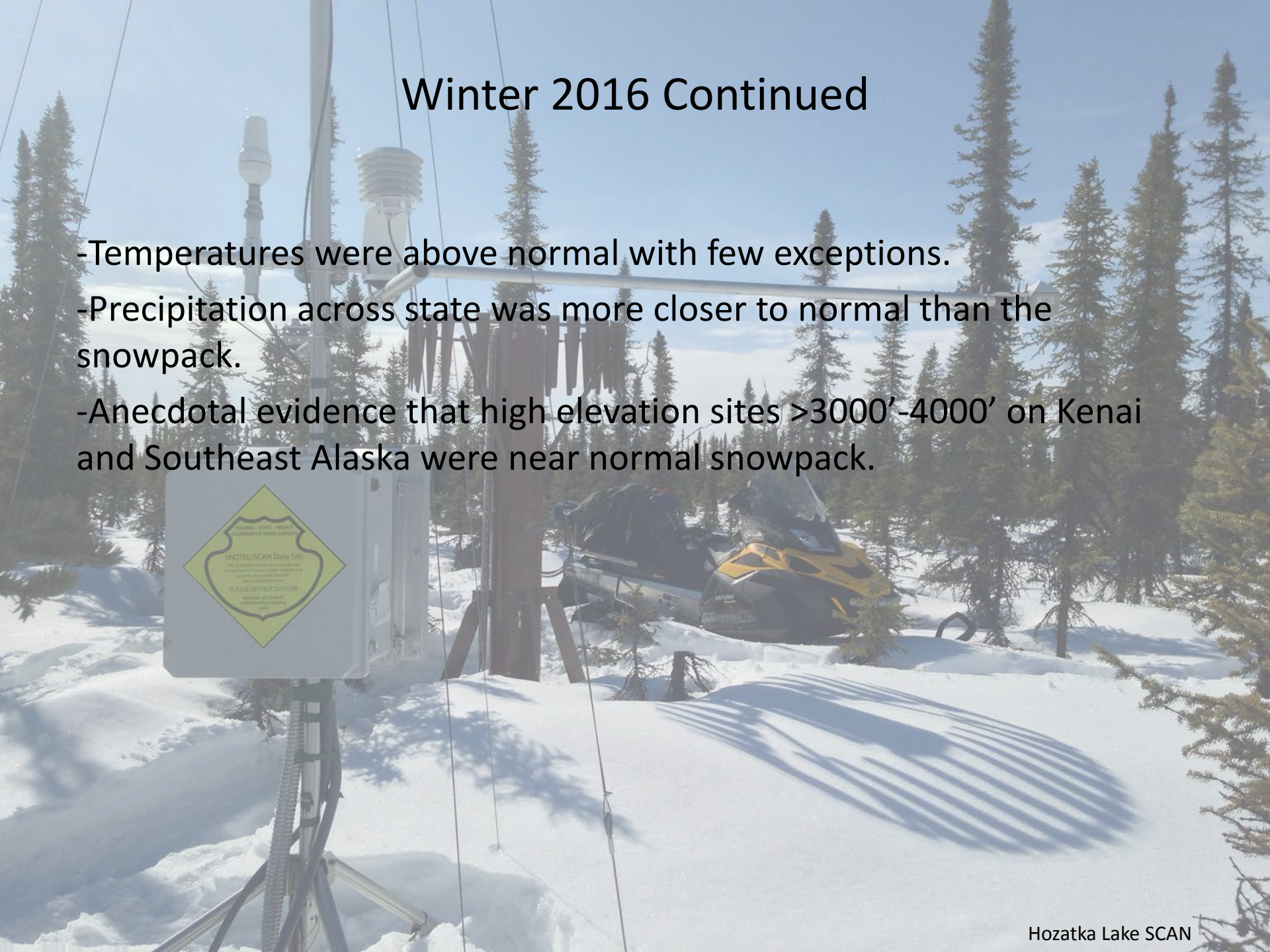
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bettles							-48	-53	-56	-58	-58			-58	-61	-58	-64	-59	-52		-47
Fairbanks FO							-41	-40	-46	-45	-47	-44	-45	-51	-45	-42	-54	-50	-46	-46	-27
Fort Yukon												-58	-62	-61	-61	-61	-63	-58	-56	-55	-43
Granite Creek			-51	-51			-40	-40	-40			-53	-54	-55	-52	-52	-58	-58	-52	-55	-38
Anchorage Hillside											-31	-21	-20	-23	-12	-19	-19	-21	-12	-16	2
Teuchet Creek	-36	-38	-36	-42	-36	-44							-37		-39	-40	-45		-36	-39	-27

Winter 2016 Continued

-Temperatures were above normal with few exceptions.

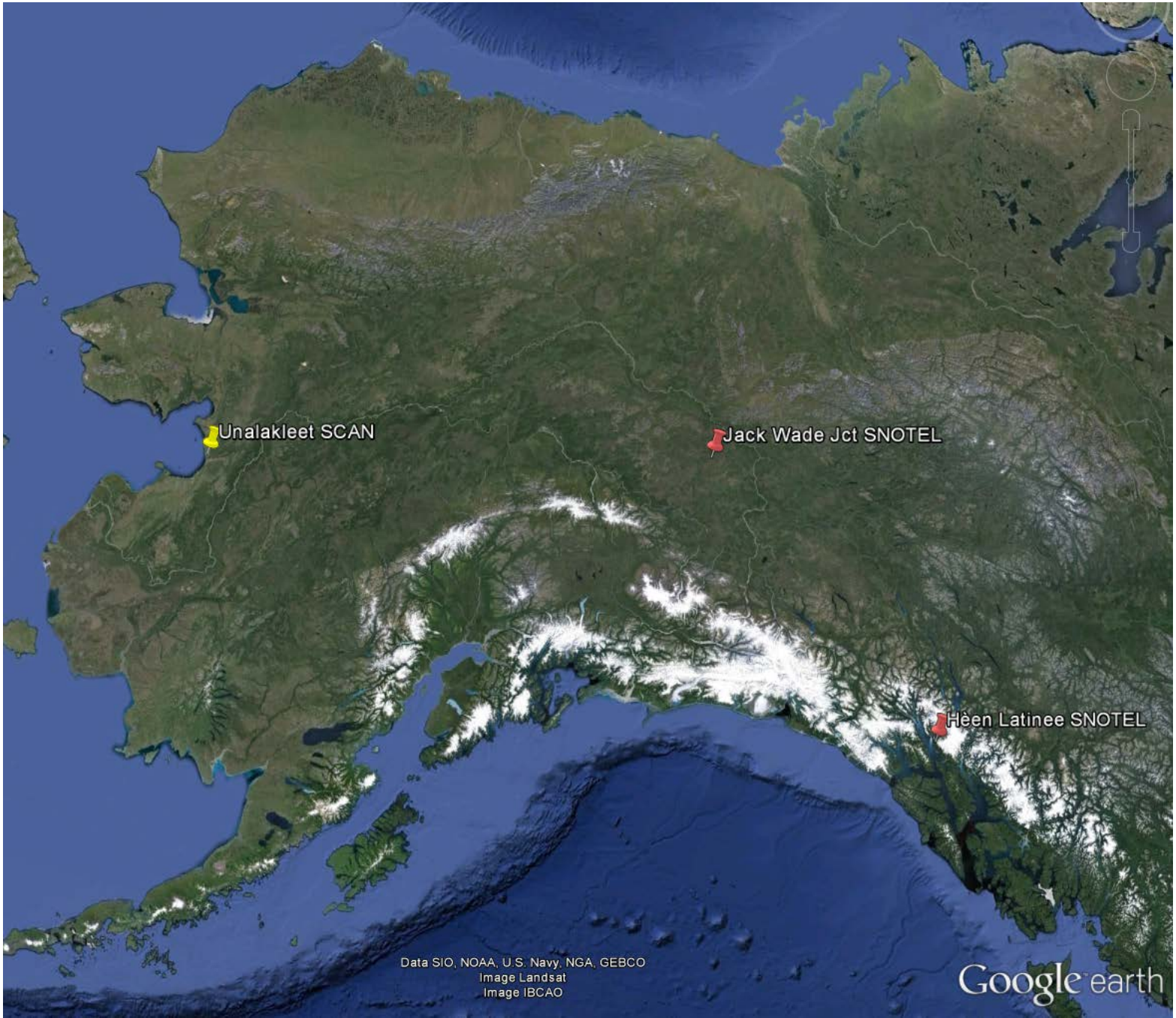
-Precipitation across state was more closer to normal than the snowpack.

-Anecdotal evidence that high elevation sites >3000’-4000’ on Kenai and Southeast Alaska were near normal snowpack.



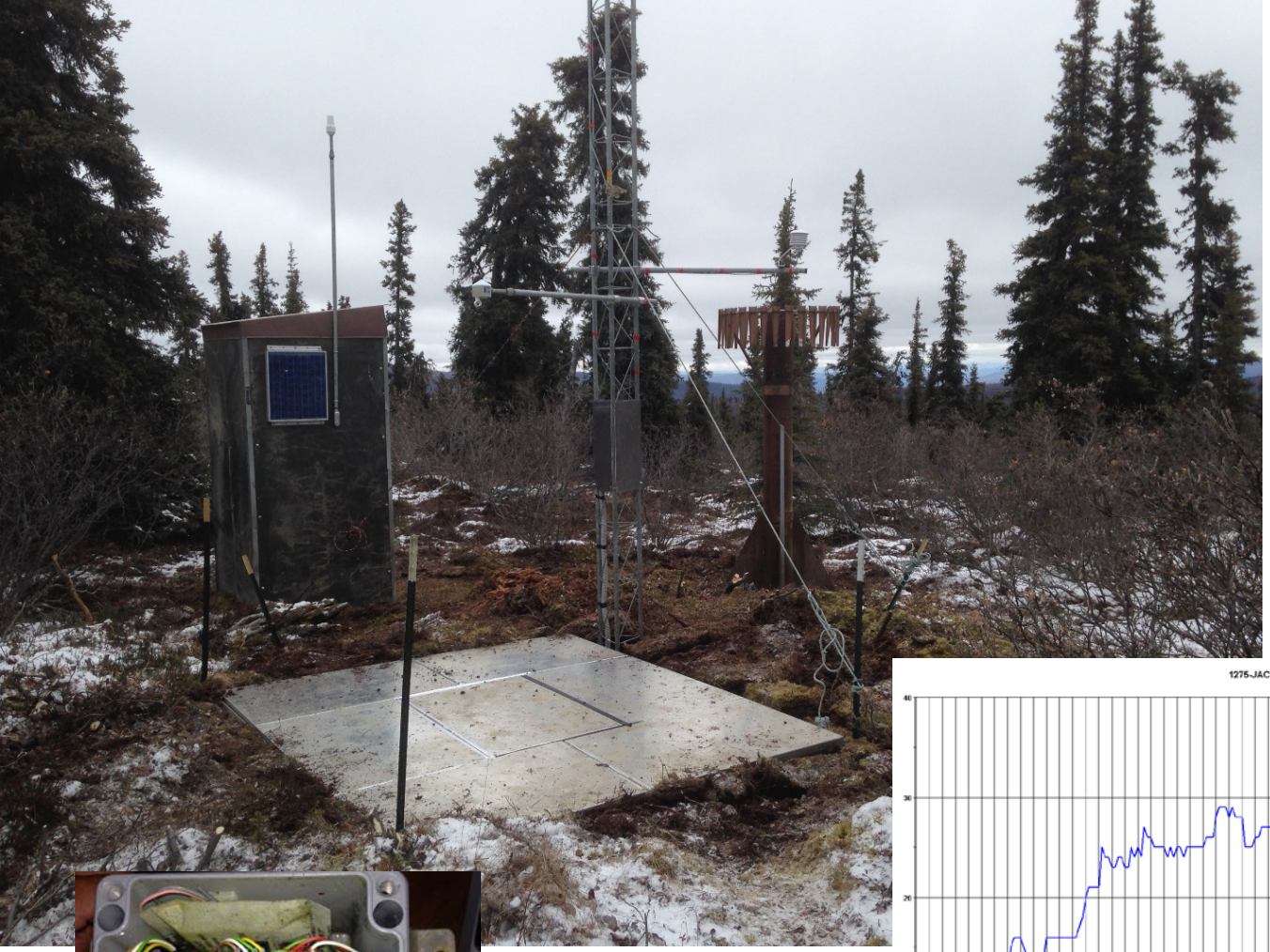
Hozatka Lake SCAN

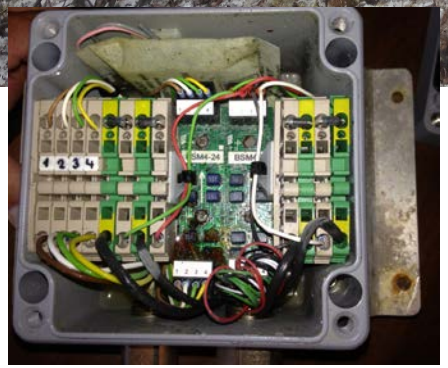
New SNOTEL and SCAN sites installed in 2015



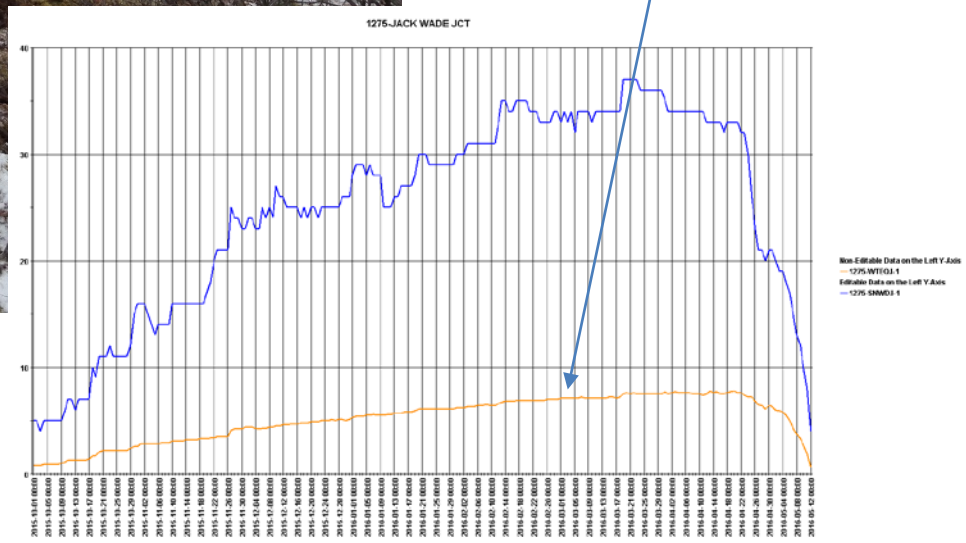
Héen Latinee SNOTEL

-Cooperatively installed with UA-Southeast
-Located in the USFS's Héen Latinee Experimental Forest
-Middle Elevation site in the Davies Creek Drainage





Site visit 2/28/16:
Telemetry = 7.0”
Ground truth =7.0”



Fluidless pillow at Jack Wade Junction

Unalakleet SCAN

-Supporting Nulato Hills soil survey

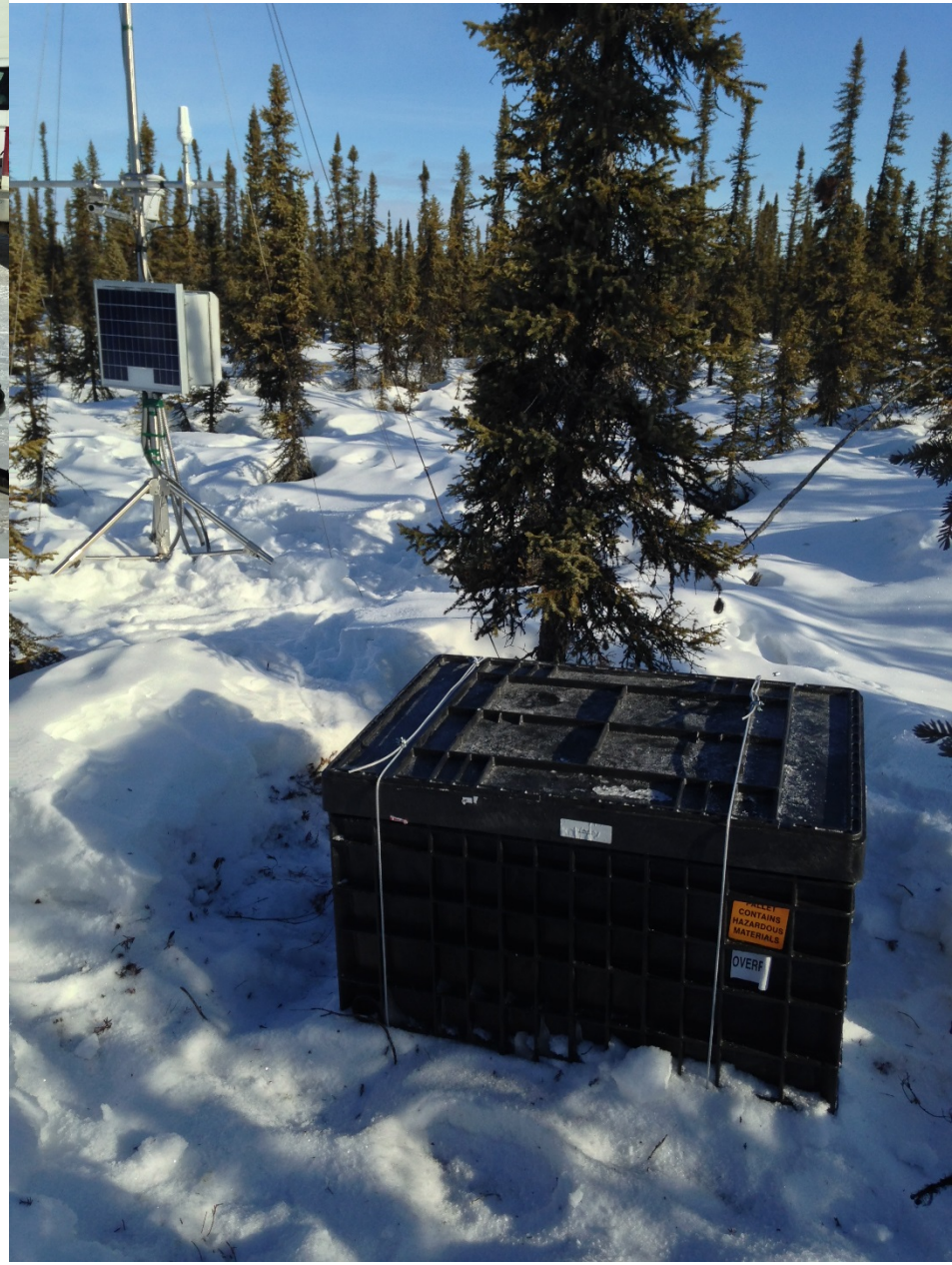
- Moose: 1 – SCAN: 0

Point MacKenzie SNOTEL Decommissioning

-Installed 1981
-Site cleanup $16K

New Warehouse and Yard

Took over full Ownership of Independence Mine SNOTEL



Fish Totes –Deployed!

Nick’s Valley SNOLITE Recon

WY2016

-Took full ownership of Independence Mine SNOTEL

-Investigating installation of 2-3 SNOLITE or SNOTEL sites, mainly in the Porcupine Basin, and in Southeast Alaska.

-Refurbish Mt. Alyeska and Monohan Flat SNOTEL sites.

-4 2KR Snowscales will be deployed around the state

Headed home from Horsepasture Pass SNOLITE

Any Questions?