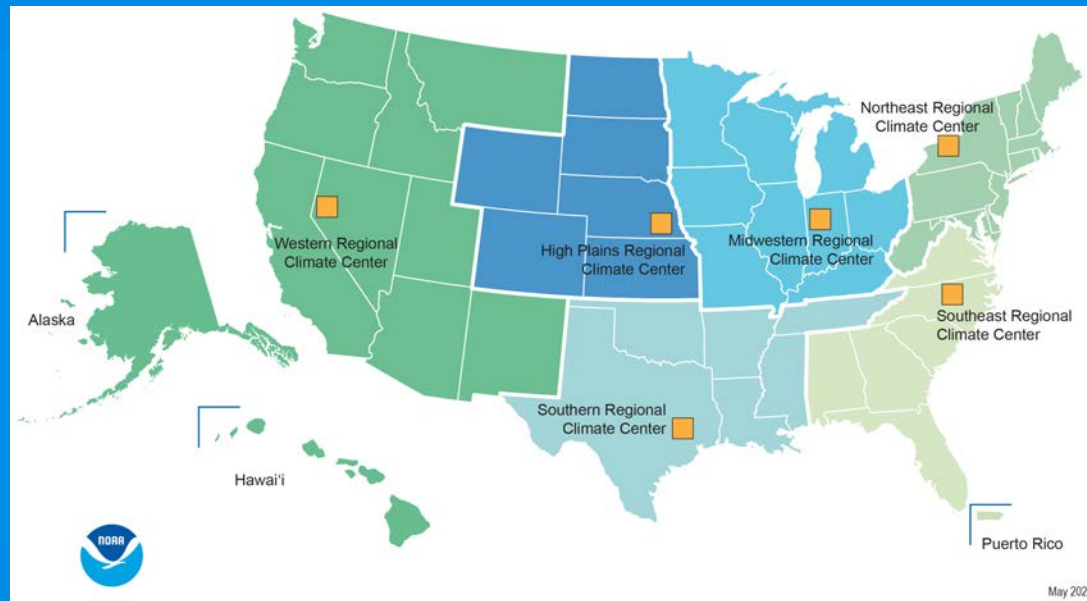


2022 Northeast Snow Survey Program

Keith Eggleston
Regional Climatologist
Northeast Regional Climate Center



Snow Surveys

What is a snow survey?

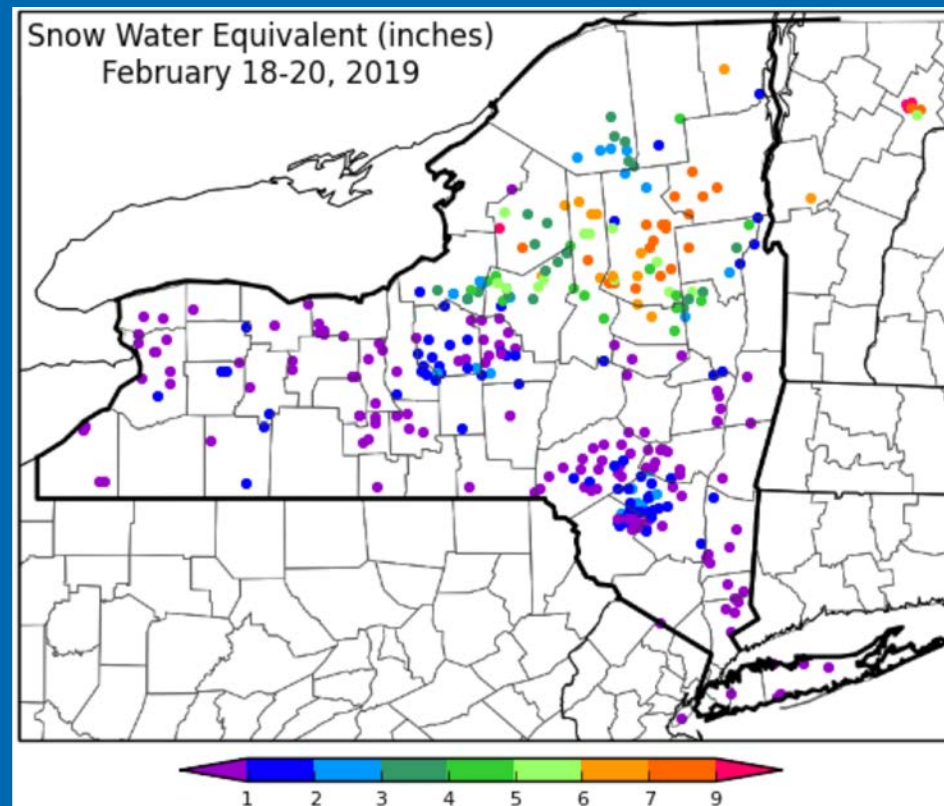
- Observation of snow depth and water equivalent of snowpack
- In Northeast, they are performed bi-weekly
- Early January-early May
- Network of cooperators - NWS, USGS, energy companies, ...



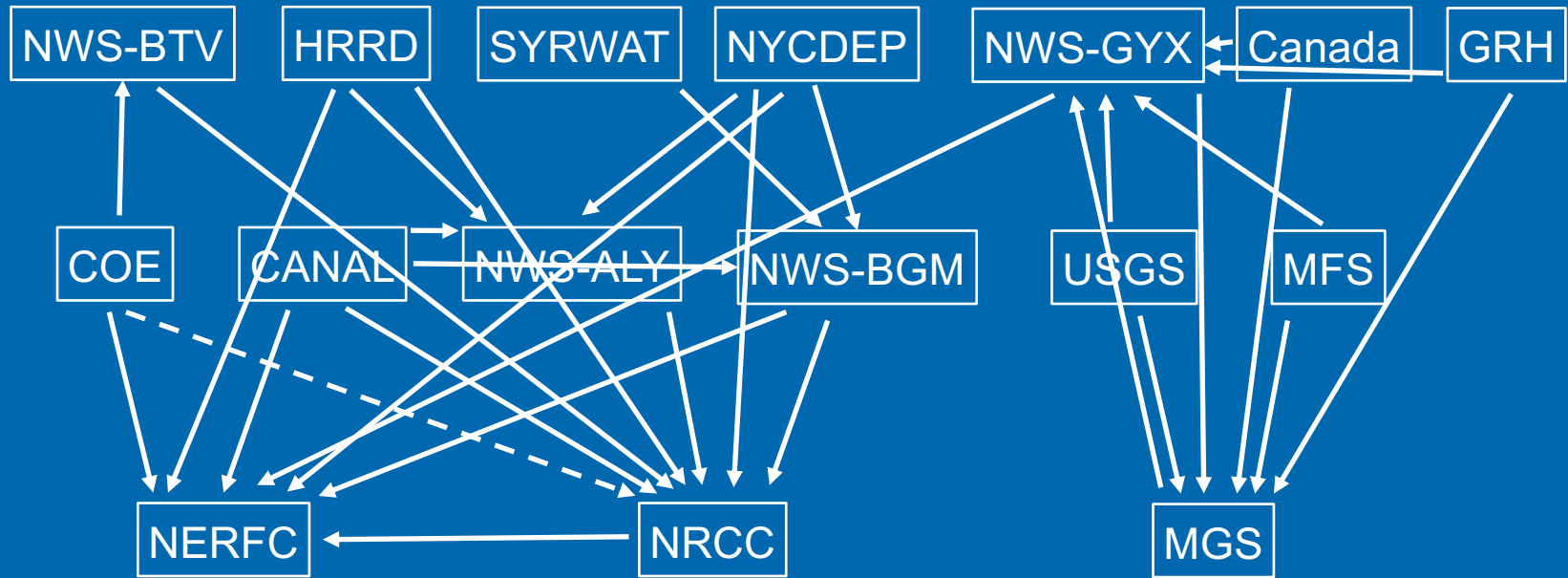
NY Cooperative Snow Survey

- Program transferred from USGS to NRCC in 1986
- Manage data collection and distribution

Various disparate efforts in New England



Snow Survey Data Flow Example



2022 Snow Season

- Coordinated effort NRCC, NWS, NERFC, NOHRSC
- Metadata collected for 1045 sites
- Sites assigned NWSLI
- NRCC web data entry and data collection programs

MORE TOOLS

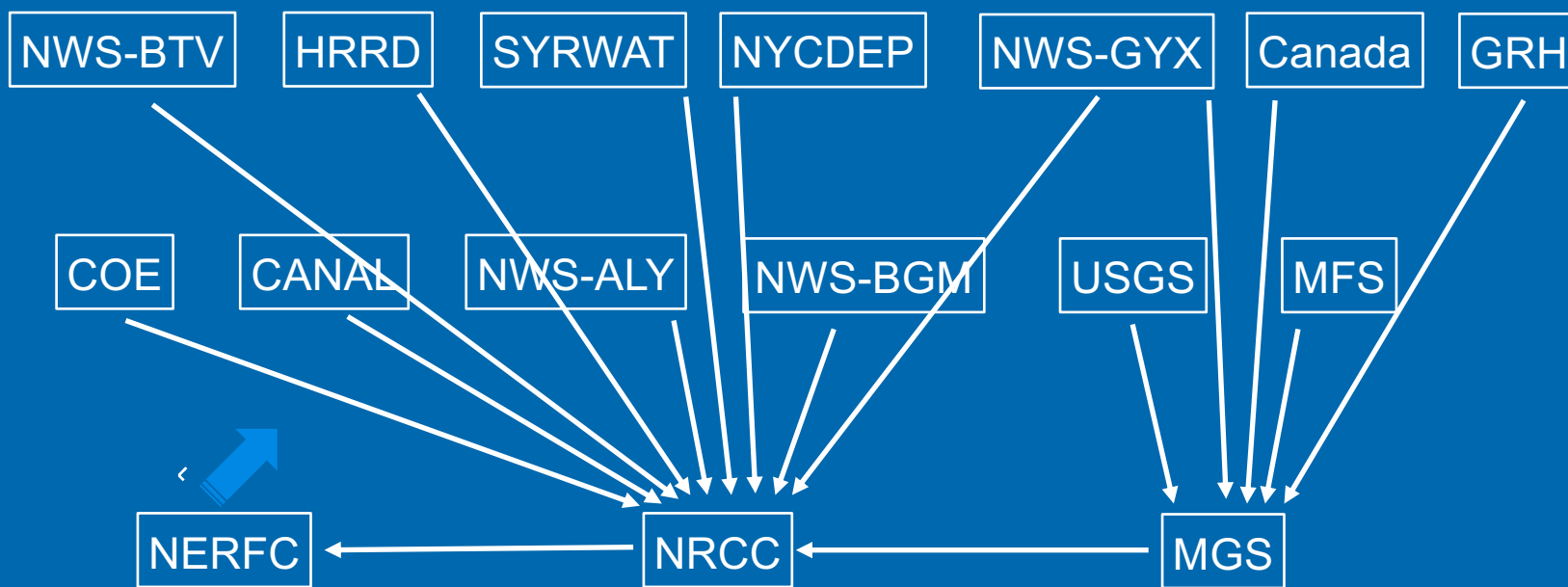
Snow Survey Data Entry

Cooperator ID: BUF_COOP

Filter to one entry per site

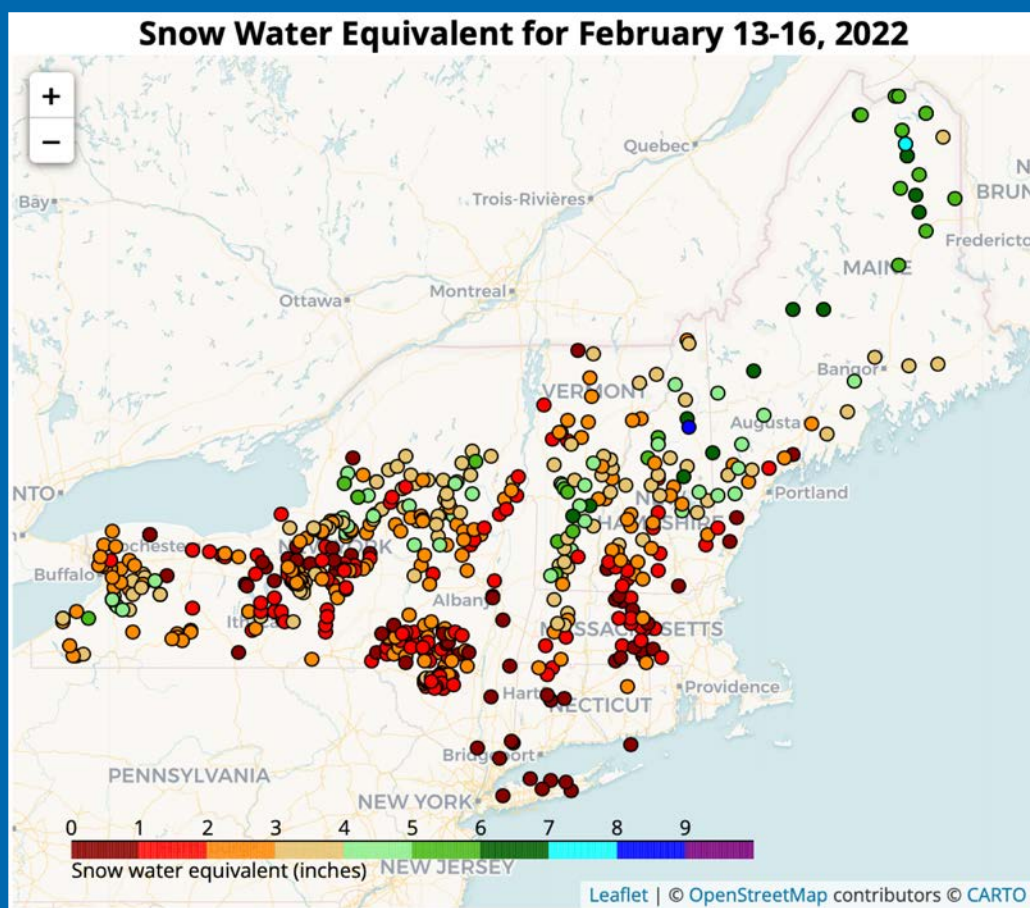
NWSLI	Alt ID	Site name	Year	Month	Day	Hour (UTC)	Depth (in)	SWE (in)	Notes	
ABNN6		ALBION	2022	2	15	23	3	0.2		DELETE
ALFN6		ALFRED	2022	2	14	12				
BUF		BUFFALO NWS	2022	2	15	18	7	2.0		DELETE
CODN6		COLDEN 1W	2022	2	14	12	18	4.2	Ground layer of core wetter	DELETE
CTGN6		CATTARAUGUS 3W	2022	2	14	12				
DKKN6		DUNKIRK 1S	2022	2	14	12	10	3.2		DELETE
GFDN6		CHASES LAKE	2022	2	14	12	21	3.6		DELETE
HGHN6		HIGHMARKET 2W	2022	2	14	12				
JSTN6		JAMESTOWN 4ENE	2022	2	14	12	4	1.0		DELETE

Snow Survey Data Flow Example 2022



2022 Snow Season

- Data sent daily to NERFC for shef-encoding and distribution
- Sites reporting: SS1 – 443; SS1A – 528; SS2 – 543; SS2A - 526
- Maps available on NRCC web site



<https://www.nrcc.cornell.edu/regional/snowsurvey/snowsurvey.html>

Map also includes NY CoCoRaHS and Allegheny River snow survey

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Snow Survey maps:

- <https://www.nrcc.cornell.edu/regional/snowsurvey/snowsurvey.html>