

Nor'easter Weather Consulting



Founded in
2017
Prior:
Broadcasting



30 Alpine Ski
Areas



2 Nordic Ski
Areas



Plow
Contractors



Utilities



Forensics



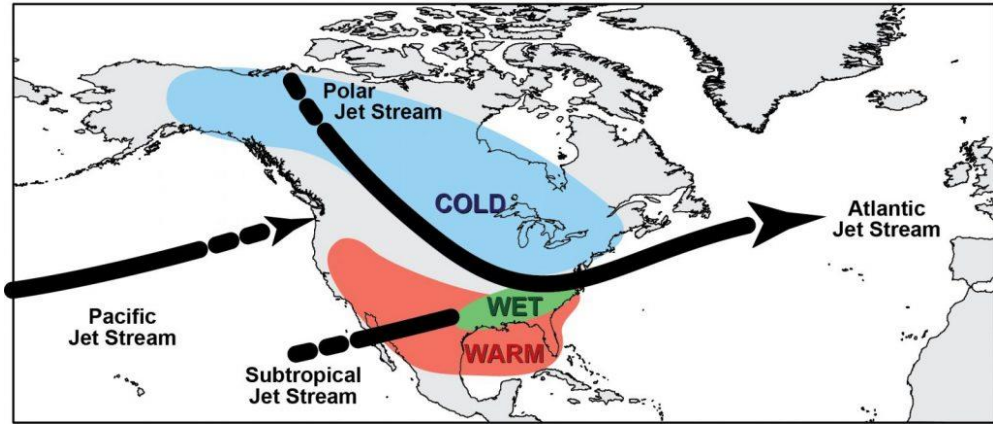
General
Consulting



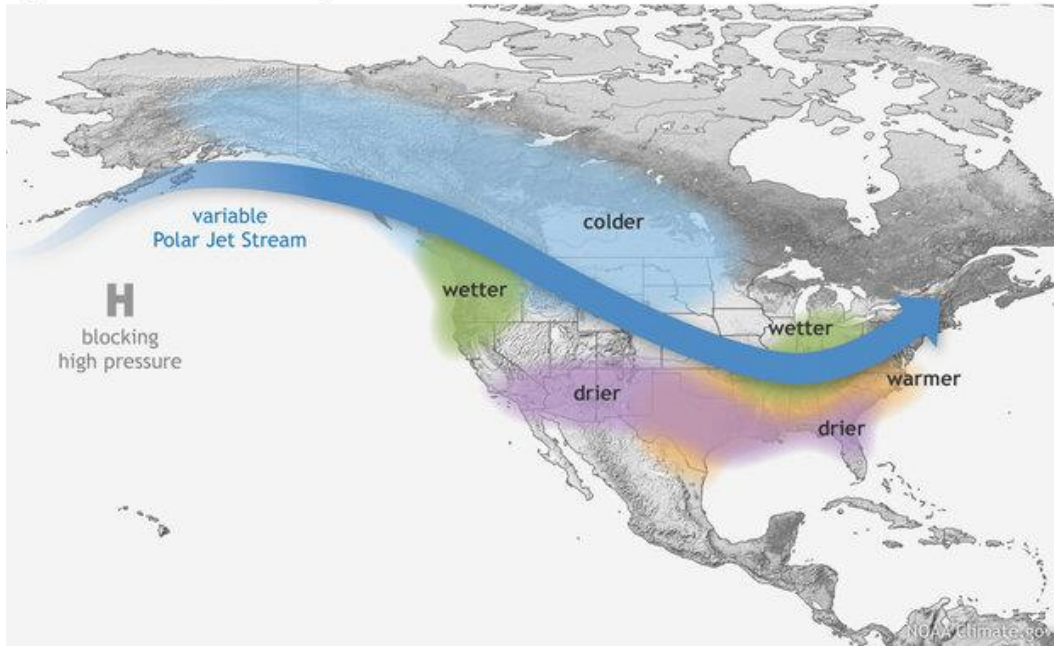
Weddings



ENSO-Neutral Winter Pattern



Typical winter La Niña pattern



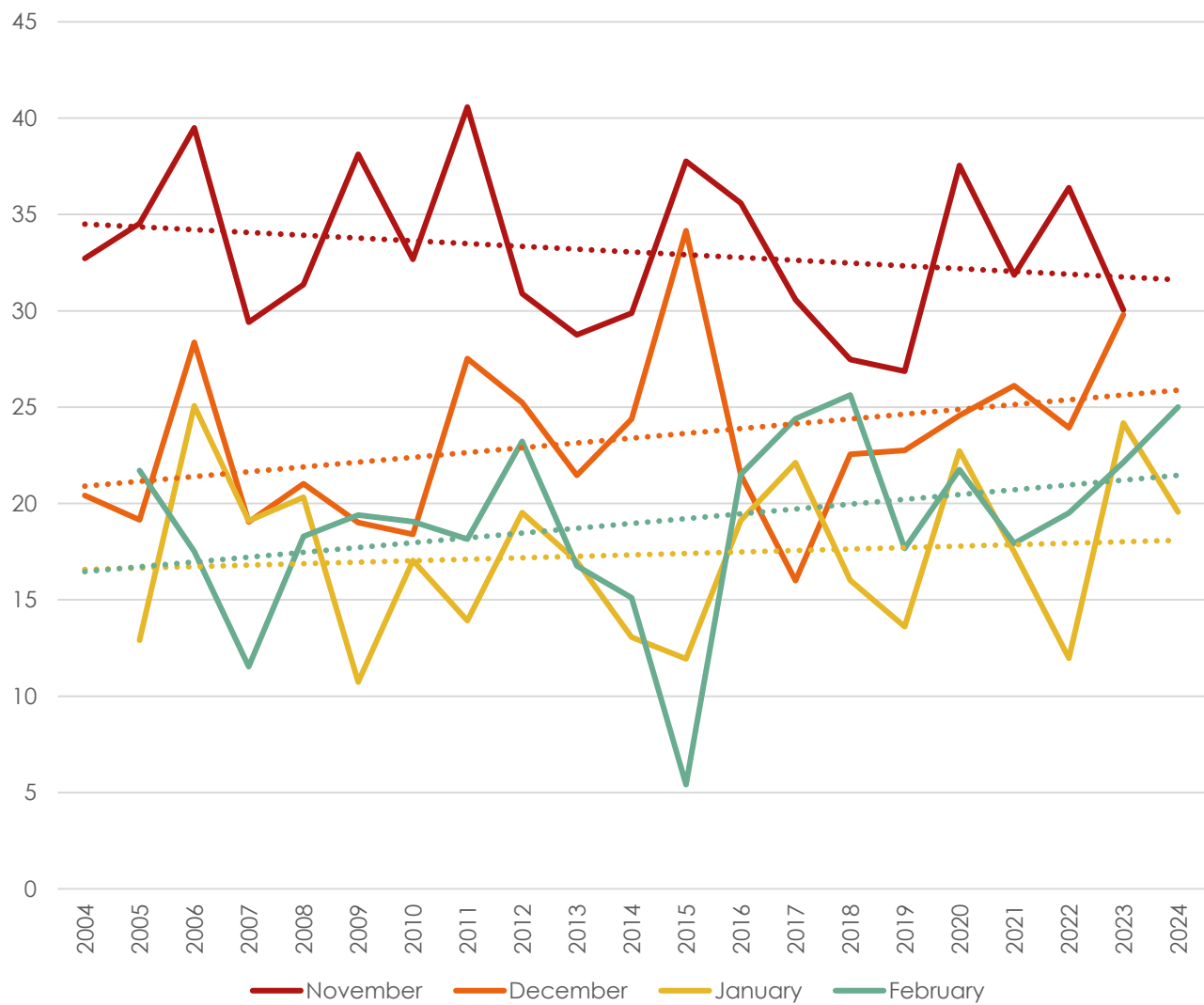
Winter 2024-2025

NEUTRAL/VERY WEAK LA NIÑA

Neutral / Weak La Niña Winters

- ▶ 2013-2014 – Last Neutral/Weak La Niña winter
 - ▶ Warm start to November, 60's in the first week 50's through Nov 19
 - ▶ Transition began last week of November into first week December
 - ▶ Cooled gradually through December/Christmas.
- ▶ Few correlations with previous neutral/borderline winters

Average Temperatures – Central VT

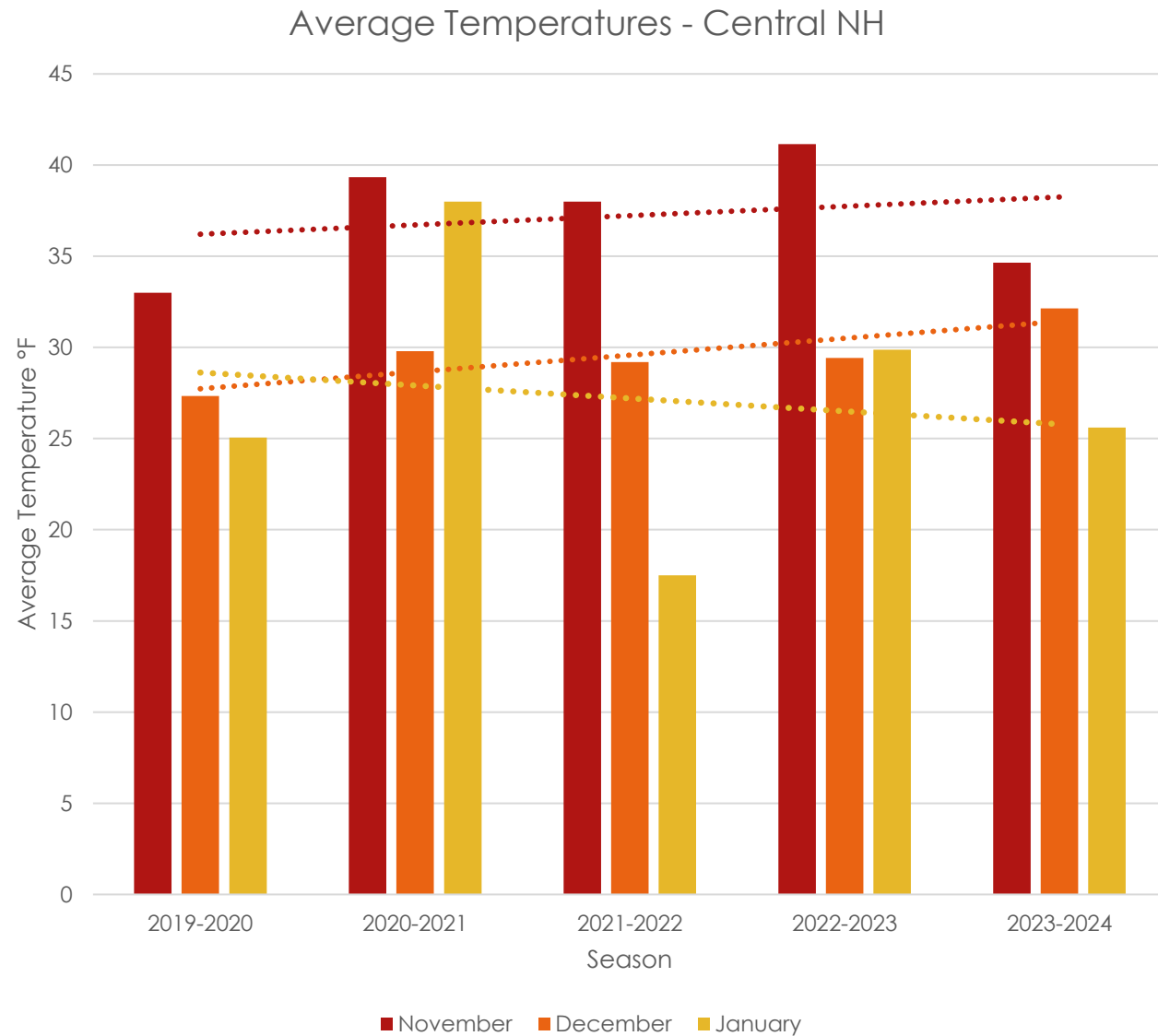


Shifting Winter Trends

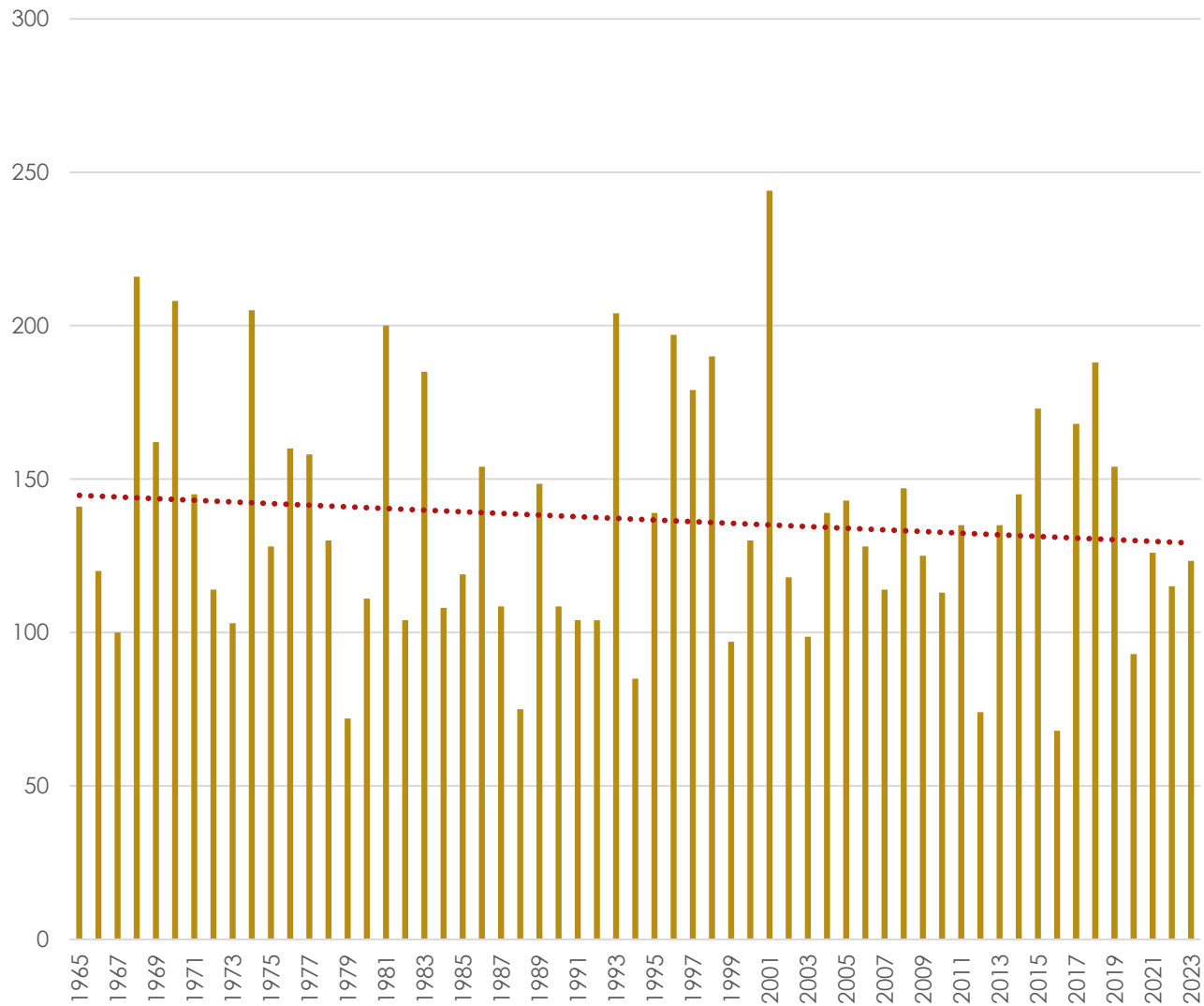
IS JANUARY THAW A THING OF THE PAST?

Shifting Winter Trends

IS JANUARY THAW A THING OF THE PAST?



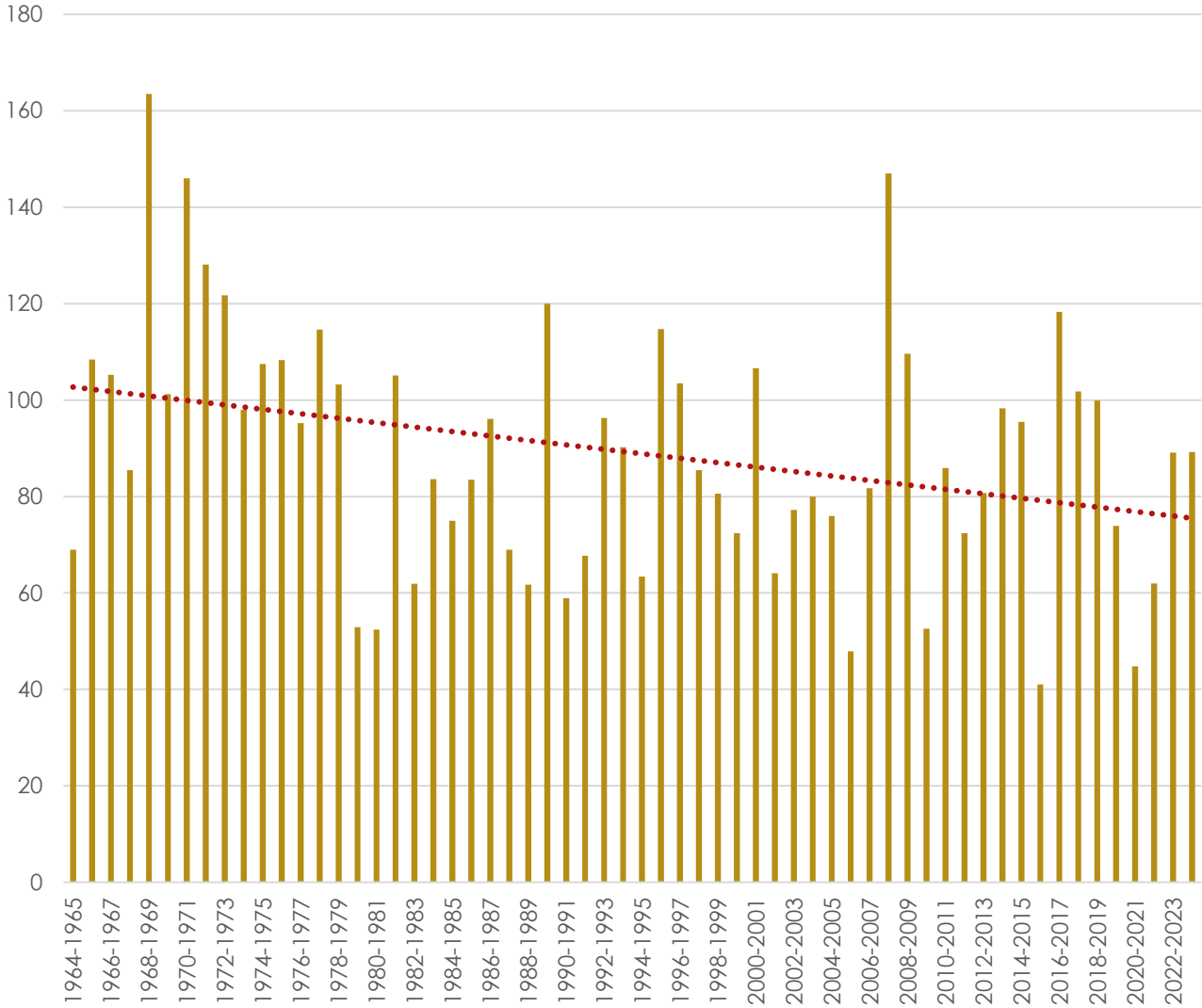
Snowfall - Southern VT



Shifting Winter Trends

DECREASING NATURAL
SNOWFALL

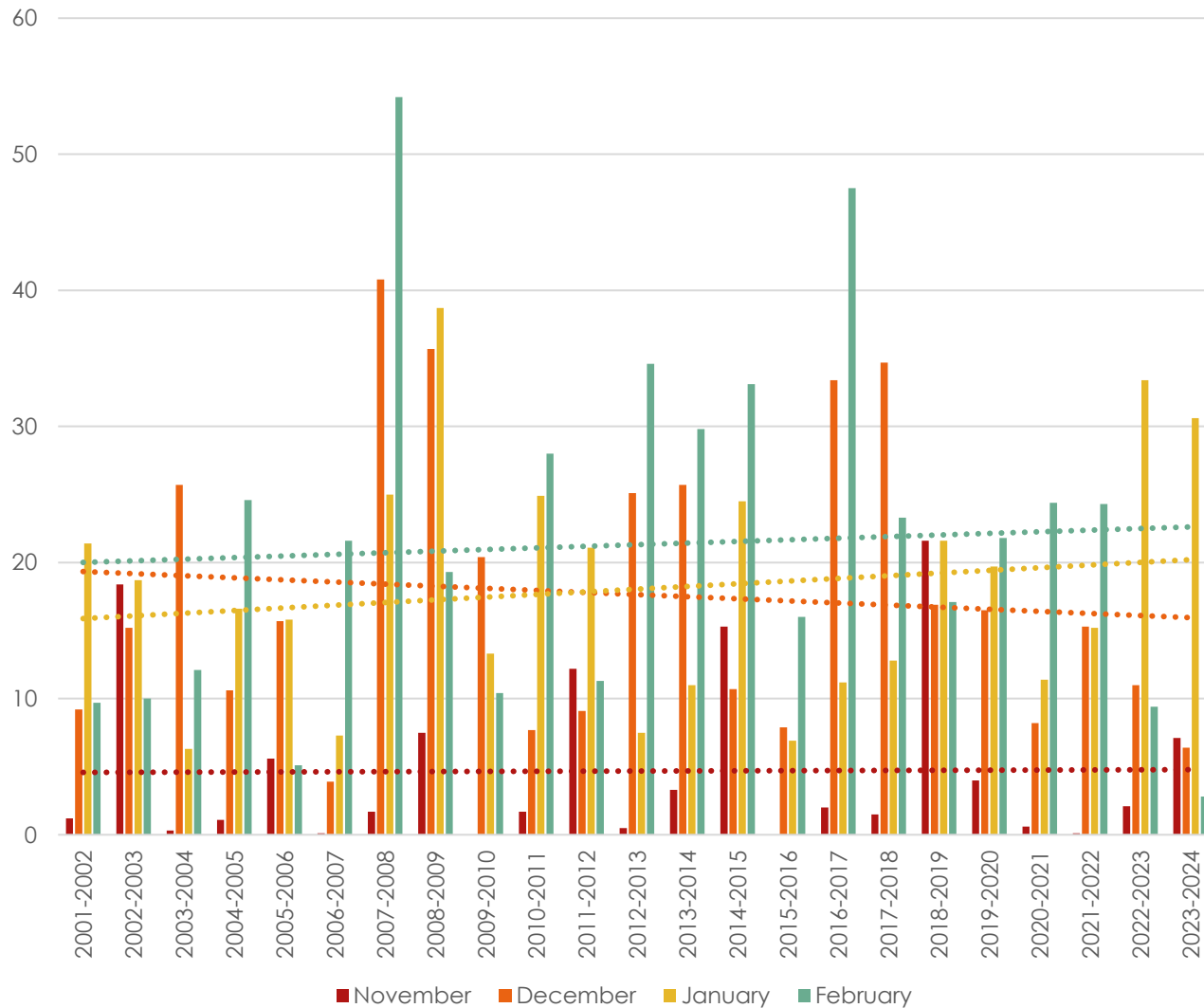
Snowfall - Central NH



Shifting Winter Trends

DECREASING NATURAL SNOWFALL

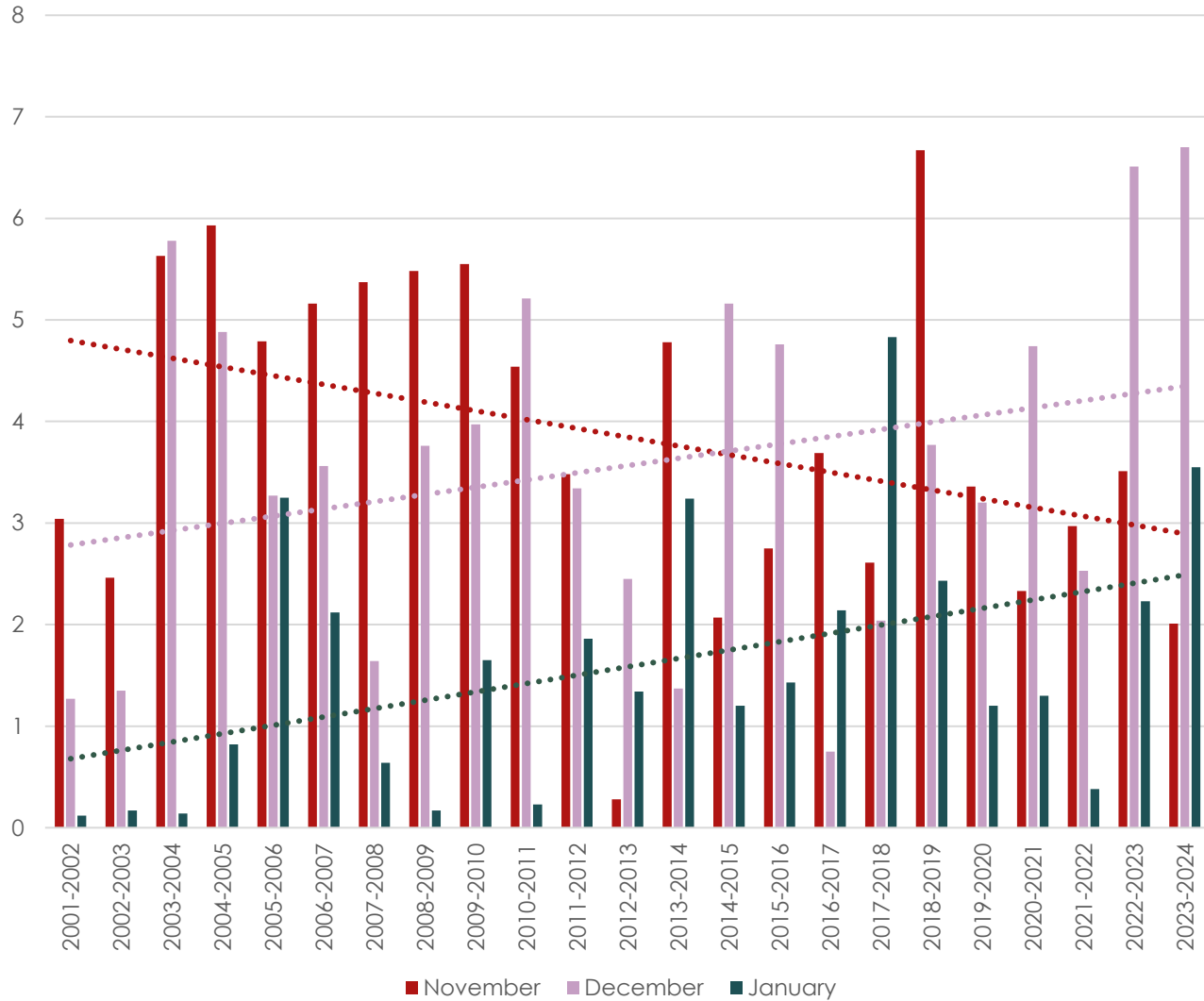
Snowfall By Month - Central NH



Shifting Winter Trends

CHRISTMAS/DECEMBER BLUES

Inches of Rain Per Month – Central NH



Shifting Winter Trends

HEAVIER RAINS MOVING INTO WINTER MONTHS

Key Findings

- ▶ Temperatures in December and February are rising more than other months
 - ▶ Is January thaw coming to fruition anymore?
- ▶ Rainfall amounts and number of large rain events are increasing further into winter
- ▶ Natural snowfall is decreasing over the last 50 years
 - ▶ Specifically in the month of December

Next Steps To Combat The Shift

- ▶ Know where your data comes from!
 - ▶ NOAA is best free option
 - ▶ Consider private service
 - ▶ Avoid generic apps
 - ▶ Consider installing weather stations to track weather
- ▶ Understand your microclimate
 - ▶ Valleys, mountains, etc.
 - ▶ Private service to monitor, forecast, analyze, etc.

Discussion