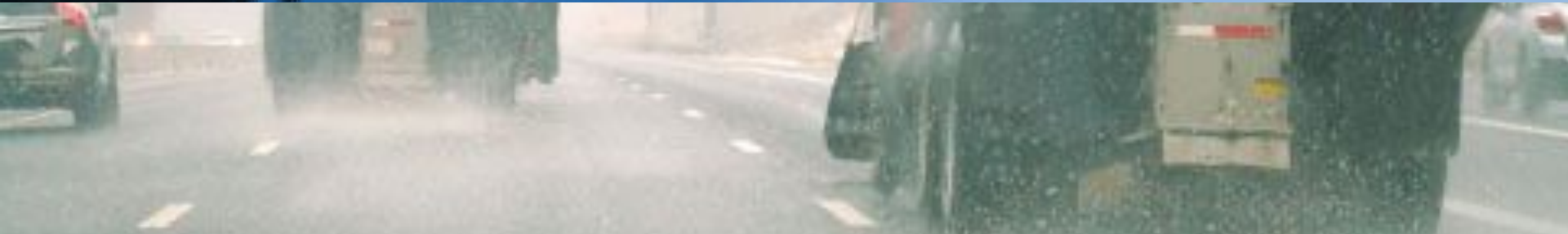




Clean Water Safe Roads

Kim Trombly, Project Manager



A SUSTAINABLE FUTURE



FOR THE
ADIRONDACKS

Our mission

AdkAction creates projects that address unmet needs, promote vibrant communities, and preserve the natural beauty of the Adirondacks for all.

Our vision

AdkAction and its projects will significantly improve the social, economic, and cultural lives of local residents and enhance the long term natural resources and character of the Park.



Road Salt Action Timeline

2010

AdkAction underwrites and distributes "Review of Effects and Costs of Road De-icing with Recommendations for Winter Road Management in the Adirondack Park"

2010

AdkAction organizes the first Road Salt Conference in the Adirondacks and establishes through scientific presentations that NYS uses too much salt.

2011

AdkAction organizes 2nd Road Salt Conference which centers on a comparison of state salt use to local salt use.

2014

AdkAction organizes 3rd Road Salt Conference which led to the creation of the Adirondack Road Salt Working Group.

2016

Economic Impact Study commissioned by AdkAction shows depreciation value of vehicles decreased by 10%, cost of corrosion exceeds material cost of road salt.

2017

AdkAction and FUND for Lake George underwrite PSC AWI's Well and Aquifer study which demonstrates widespread groundwater contamination across the Adirondacks in homes downslope from state roads.

2018

NYS DOT, DOH, DEC join AdkAction to form the Strategic Road Salt Working Group.
AdkAction publishes the "Road Map to Reduce Road Salt."

2020

The Randy Preston Adirondack Road Salt Reduction Act becomes NYS Law.

2021

AdkAction launches the Clean Water, Safe Roads Partnership

2023

AdkAction launches Don't Be Salty Campaign

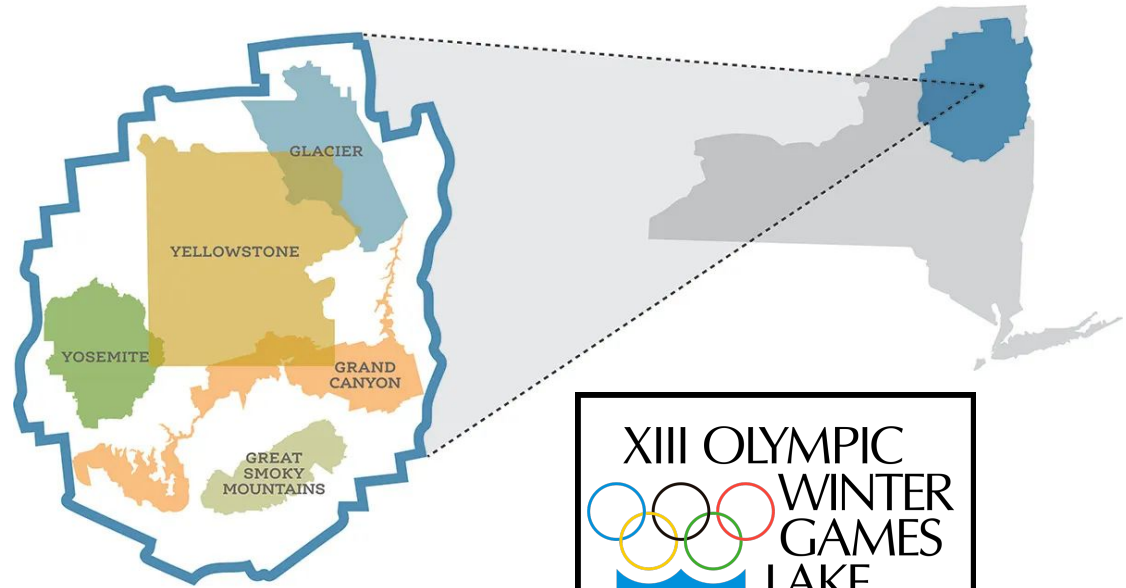
The Adirondack Park

6 Million Acre State Park in NYS

130,000 Year-Round Rural Residents

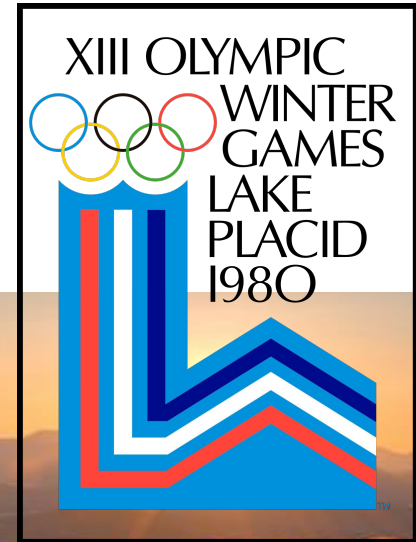
Known for pristine lakes

Most homes drink private well water



Many old-timers remember:

The Olympics. That's when the salting began.



Well contamination is widely known



*Ben and Barbara Sweeney of Boonville.
Photo by Mike Lynch. Text by Ry Rivard. Published
by Adirondack Explorer, 2020*

“You can’t go buy bottled water for a herd of dairy cattle”

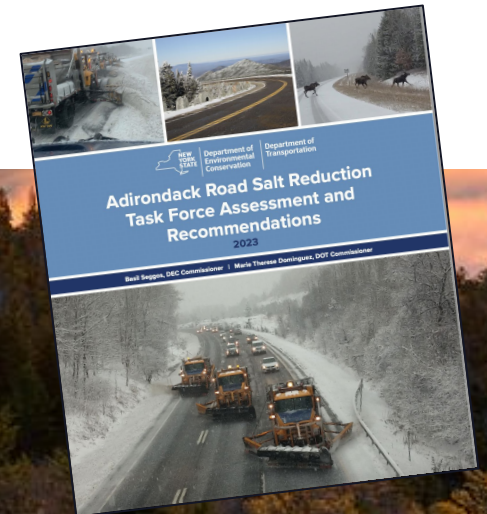


Our drinking water is contaminated by road salt. 64% of wells tested came up salty

Contamination is highest for wells downslope of state highways.

We are seeing some levels akin to brackish water estuaries at 1000 ppm in groundwater.

Groundwater pollution affects vegetation and aquatic ecosystems, homeowner expenses, property, quality of life, and human health.



Clean Water, Safe Roads Network Partnership



Clean Water Safe Road Partnership

Highway and Private
Contractors

Driving Public

Change State
Practices

Empower regional
change in chloride
reduction

Build broad base for
support for road salt
reduction

Drive demand for
change with
NYSDOT



Clean Water Safe Road Partnership: Phase 1 Depts.

Engagement

Surveys & pledges administered to municipalities

Tools

Training materials and water quality reports produced

Action

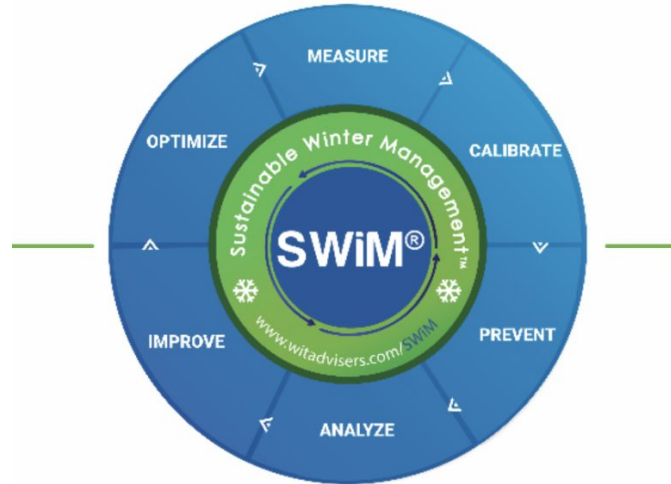
Continued effort to engage communities to reduce road salt through action plans, & training opportunities



SWiM® Standards Implementation by Category of Policy
October 19, 2023 Workshop, Whitehall, NY

Policy	Season 1 – 2023/24	Season 2 – 2024/25	Season(s) 3, 4 or 5
Measure			
Calibrate			
Prevent			
Analyze			
Improve			
Optimize			

AdkAction uses Sustainable Winter Management standards (SWiM)





Operator Training + Opportunities for Shared Learning = Practical, Safe Salt Reduction



“

Working on road salt reduction has brought our entire shop together.

”

Town of Peru

- Tyler Jarvis
Deputy Superintendent
Peru Highway Department



Full Elimination of Sand

Switched to bringing all routes

Moving towards all live edge plows

\$70,000 savings, 50% chloride reduction



Fireside Wood LLC is going Chloride Free



100% of participants

Measured more

Changed a policy

Wanted to continue in Year 2 and 3



Thank you!

Kim Trombly

Kimberly@adkaction.org

AdkAction.org

