



State University of New York College of  
**Environmental Science and Forestry**

Newcomb Campus

---

# After the Flood: A Story of Resilience

---

Dr. Stacy McNulty  
Adirondack Ecological Center



*Mission: Provide an understanding of the Adirondack ecosystem through research*



# Preparing Future Environmental Leaders



# Huntington Historic Great Camp



Art and  
Science

Humans  
and Nature





# Weather & Watershed Monitoring

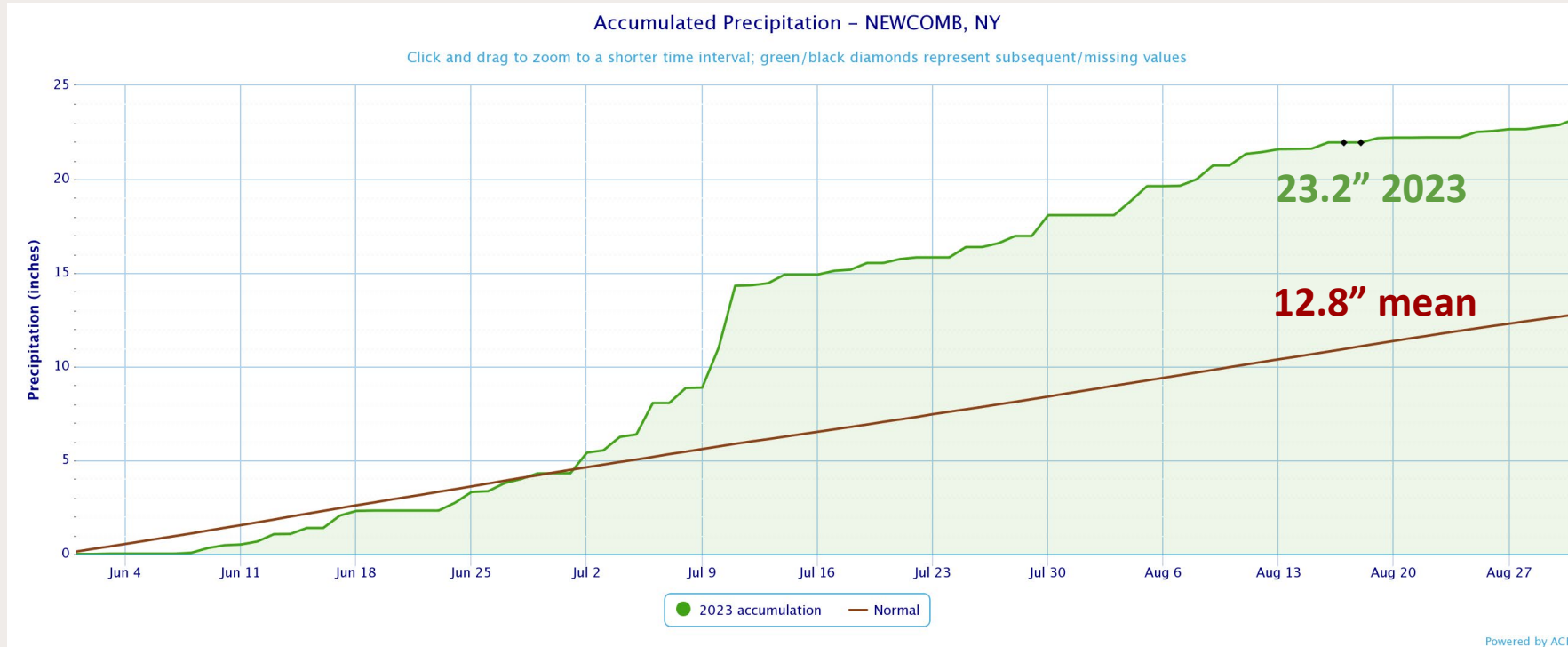
NADP - networks to detect pollutants

Huntington Wildlife Forest - since 1978

[Mesonet](#) atmospheric station

Hydrobiogeochemistry data <https://adk-ltm.org/>

# Extreme Weather Events & Climate



Higher/intense  
Precipitation  
Seasonal warming  
Extreme events  
Flooding  
Water storage &  
beaver ponds









# Infrastructure Repairs

July-November 2023

Replacement of Arbutus Bridge

> 21,000 tons road material

41 culverts replaced and resized

8 major crossings repaired

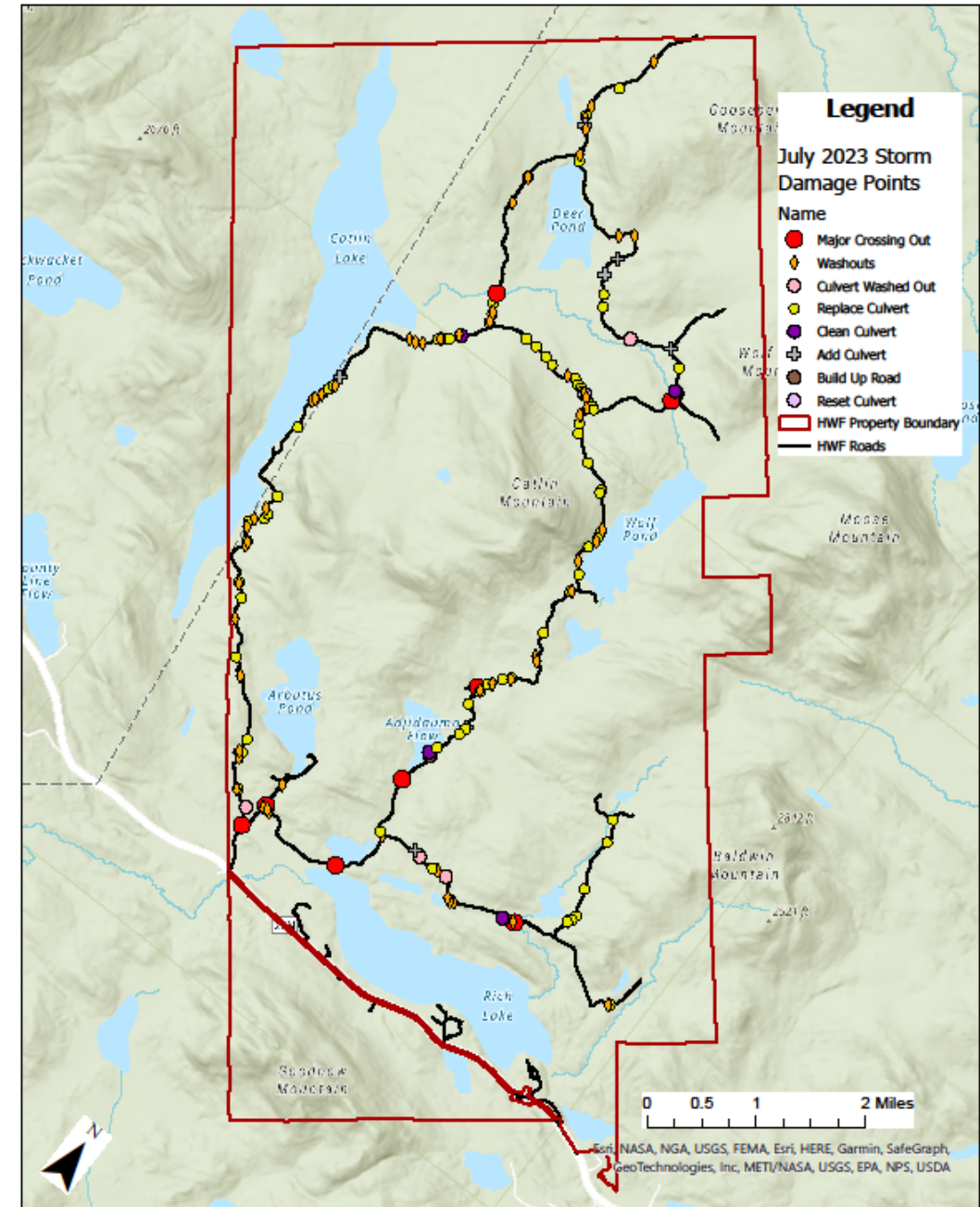
> 42 weeks of staff time

Planned for 2024

AIC bridges/walkways

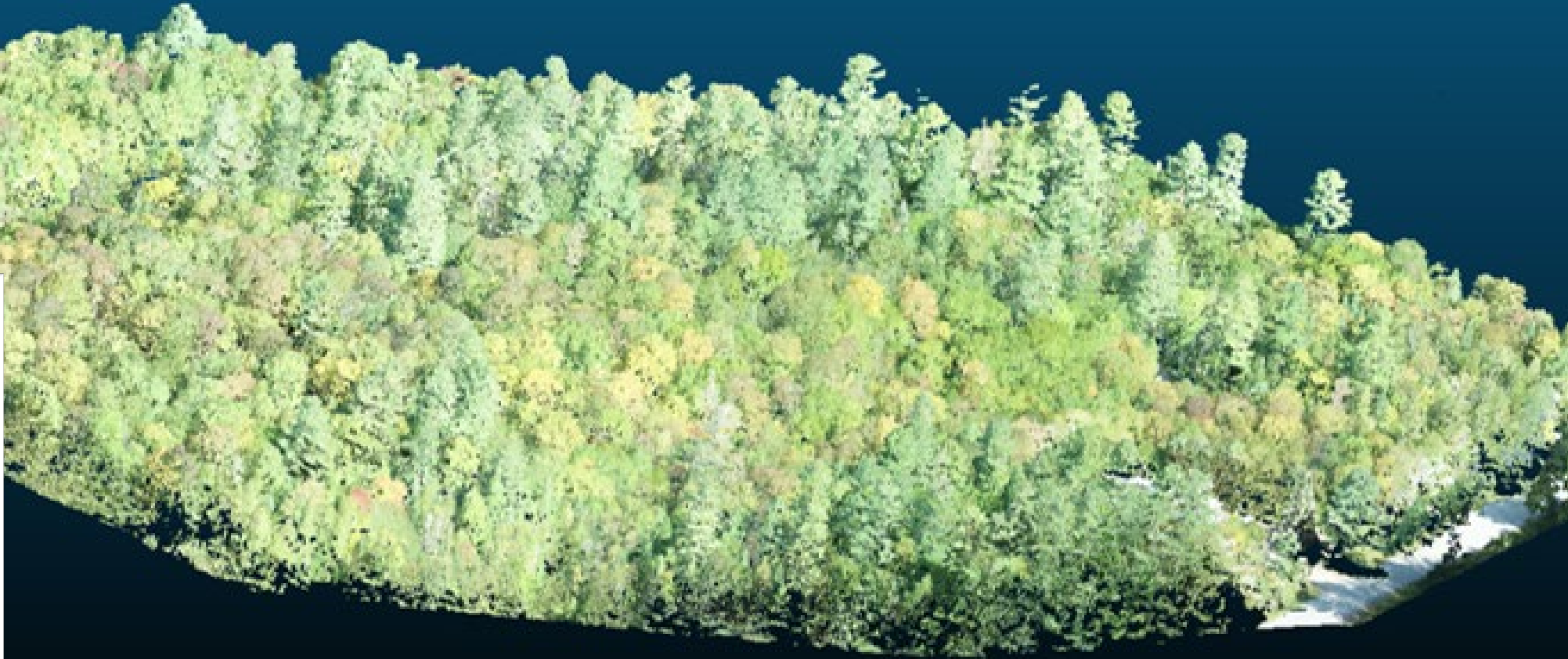
Complete road work

## SUNY ESF Newcomb Campus - July 2023 Storm Damage



# Change Detection - LiDAR

Dr. Bahram Salehi and PhD Candidate Sina Jarahizadeh, ERE



100







# LSA Studio: Design Interventions for the Future

Create concept  
graphics and plans  
for sustainable,  
year-round trails,  
roads, amenities

Products for classes,  
legislators, FEMA,  
public, and more

# Digital Storytelling Studio



# Public and Student Engagement



Telling ESF's story

Adirondack  
Interpretive Center

Digital Storytelling  
Studio



# Spring 2024 Programs



## ESF Groups

Center for Native Peoples and the Environment  
ESF Timber Sports  
ESF Forestry Club (research service project)  
Winter Ecology



## High Schools

Nottingham  
East Syracuse-Minoa  
Homer  
Coxsackie  
Albany



## Colleges and Public Outreach

Rutgers University  
Kings College  
Eclipse Public Programming





# Storytelling Through Art

Dr. Michale Glennon (EFB '02) scientist and fiber artist



# Grateful Thanks

- Mark Lichtenstein, Matthew Millea and ESF Administration
- Jody Larrabee, Jeremy Rifenburg, Diana Jaramillo-Keane and ESF Facilities team
- Bob MacGregor, Mike Federice and Forest Properties team
- Jake O’Connell, Ann-Marie O’Donnell and Gary Fairchild, AEC
- Tyler Dorholt and Jason Kohlbrenner, ESF Digital Storytelling Studio
- Newcomb Volunteer Fire Department
- NYS DEC Rangers
- NYS Office of General Services – Vinny D’Agostino
- Town of Newcomb, Inn at Santanoni, Cloudsplitter Outfitters





2032: Celebrating A Century of Science

