

# NYSERDA SOIL-RELATED RESEARCH ACTIVITIES

Assessment of Extent to Which Intensively-studied Lakes are Representative of the Adirondack Mt. Region, Timothy Sullivan, E&S Environmental Chemistry, Inc (200 Adirondack soil samples)

Assessing the Sensitivity of New York Forests to Cation Depletion  
Ruth Yanai, SUNY ESF (30 sites throughout NYS)

Mercury in Adirondack/Catskills Wetlands, Lakes and Terrestrial Systems  
Charley Driscoll, SU and Reed Harris, TetraTech (soil water)

Evaluation of the Recovery from Acidification of Surface Waters in the Adirondacks  
Myron Mitchell (soilwater and groundwater)

Deposition and Effects of Air Pollution in the Hudson Valley  
Gary Lovett, Institute of Ecosystem Studies (soil sampling at the IES site)

# NYSERDA SOIL-RELATED RESEARCH ACTIVITIES (cont.)

Assessment of Chemistry and Benthic Communities in Streams of the Oswegatchie-Black River Basins, Greg Lawrence, U. S. Geological Survey, Karen Roy, ALSC, Sophia Passy, Univ. Texas  
(Soil sampling at 15 western Adirondack watersheds)

Regional Forest Health and Stream and Soil Chemistry Using a Multi-scale Approach and New Methods of Remote Sensing Interpretation, Catskill Mountains  
Peter Murdoch, U.S. Geological Survey; Richard Hallet, US Forest Service  
(Maps of Catskill forest soil Ca concentrations)

Assessment of Nitrogen and Acidic Deposition Impacts to Terrestrial and Aquatic Ecosystems of Tug Hill, Myron Mitchell & Gregory McGee, SUNY ESF  
(soil sampling at 40 sites)

Long-Term Monitoring and Assessment of Mercury Using the Common Loon, Prey Fish, Water and Sediment, Nina Schoch, Adirondack Loon Conservation Program  
(32 Adirondack lake sediments)

# NYSERDA SOIL-RELATED RESEARCH ACTIVITIES - NEW

Critical Loads of Sulfur & Nitrogen Deposition to Protect & Restore Acid-Sensitive Resources in the Adirondack Mountains

E&S Environmental Chemistry, Inc

Empirical Estimation of the Critical Load for Inorganic Aluminum Mobilization in the Western Adirondack Region

Institute of Ecosystem Studies

Land Atmosphere Dynamics of Mercury & Ecological Implications for Adirondack Forest Ecosystems

Syracuse University (soil Hg at 75 Adirondack soil plots)

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# NYSERDA SOIL-RELATED RESEARCH ACTIVITIES - NEW

Acid Deposition Effects on Adirondack Ecosystems - Linkages Among Streams, Soils & Sugar Maple Health

US Geological Survey (soil at Adirondack 40 watersheds)

Evaluation & Protection of Adirondack Ecosystems - Impacts of Acid & Mercury Deposition on Watersheds

SUNY ESF (more soil water, etc. at Huntington)

Deacidification - Dissolved Organic Carbon & Nitrate Export - Identifying Connections, Cornell University

(soil at 10 catchments in Adirondacks and Catskills)

Investigating Interactions Between Carbon, Nitrogen & Calcium in the Adirondack Forest, Cornell University (Fellowship)

(120 soil samples from Woods Lake watershed)

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