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ALEXANDRA KOSIBA

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BIOGRAPHY

Alexandra (Ali) is a forest ecologist and tree physiologist who specializes in understanding tree response to climate and other environmental change. She is the former Project Manager for FEMC where she oversaw and analyzed data for regional and state projects, as well as co-managed the Forest Health Monitoring program. Ali received her PhD and MS degrees in Natural Resources (Forest Science) from the Rubinstein School of Environment and Natural Resources at UVM, after which she worked as a Research Specialist analyzing regional forest disturbance data, and Instructor for Dendrology and Natural Resource Ecology and Assessment at UVM. Currently, Ali is the Climate Forester for the State of Vermont, Department of Forests, Parks, and Recreation where she provides scientific expertise and analysis, guides forest adaptation strategies, and creates resources for education and outreach.

LIST OF PROJECTS

Project	Role	Start	End
Winter Injury, Carbon Loss, but Surprising Growth Resurgence in Red Spruce	Project Lead/Principal Investigator	2010-01-01	2013-03-04
Forest clearing detected in New Hampshire using remote sensing (2000-2018)	Project Lead/Principal Investigator	2019-01-01	2020-01-07
Assessing the risk of invasive plant introductions at trailheads in the Adirondack Park, NY	Project Lead/Principal Investigator	2019-08-01	2020-01-31
Causes and Implications of Surprising Growth Resurgence of Red Spruce in the Northern Forest	Project Lead/Principal Investigator	2013-01-01	2016-08-01
Dendrochronological analysis of five dominant tree species along elevational gradients at Mt. Mansfield	Project Lead/Principal Investigator	2012-09-03	2016-05-24
Estimation of Pisgah State Park Carbon Storage, Sequestration, Emissions and Removals	Project Lead/Principal Investigator	2019-01-01	2021-12-31
Massachusetts Forest Health Monitoring	Project Lead/Principal Investigator	2019-08-13	Ongoing
Northeastern Regional Aerial Detection Surveys and Insect and Disease Surveys	Project Lead/Principal Investigator	2016-06-02	2018-04-30
Projected hemlock woolly adelgid-induced losses (2013-2027) in riparian corridors in New York State	Project Lead/Principal Investigator	2018-06-01	2018-10-19
Quantifying the Economic Impacts of Invasive Forest Pests and Diseases in Urban Areas	Project Lead/Principal Investigator	2020-02-25	2020-02-26



Project	Role	Start	End
Vermont Forest Health Monitoring	Project Lead/Principal Investigator	1991-06-01	Ongoing
Winooski Urban Forest Inventory	Participant	2014-07-01	Ongoing

Documents

Name	Date	Authors	Type
2019 Massachusetts Forest Health Monitoring Program: 2019 Report	2020	Jennifer Pontius , Alexandra Kosiba , James Duncan , John Truong , Matthias Nevins , Matthias Sirch , Julia Pupko	Annual Report
Inventory of moderate and intensive timber clearings detected via remote sensing in New Hampshire between 2000 and 2018 (Version 1.1)	2020	Alexandra Kosiba , James Duncan , Emma Tait	Report
Proceedings of the 2019 Forest Ecosystem Monitoring Cooperative Conference	2020	Jennifer Pontius , Alexandra Kosiba , James Duncan , John Truong , Julia Pupko , Alyx Belisle	Other Documents
Northeastern Forest Regeneration Data Network Methods Assessment V1.0	2020	Alexandra Kosiba , James Duncan , Emma Tait , Julia Pupko , Alyx Belisle	Other Documents
Northeastern Forest Regeneration Data Network V1.0 Final Report	2020	Alexandra Kosiba , James Duncan , Emma Tait , Julia Pupko , Alyx Belisle	Report
Continuous Forest Inventory Methods Assessment and Suitability Analysis Spreadsheet	2020	Alexandra Kosiba , James Duncan , Matthias Nevins	Other Documents
Comparing Continuous Forest Inventory Program Methodologies Across the Northeast	2020	Alexandra Kosiba , James Duncan , Matthias Nevins	Report
Threats to the Urban Forest: The potential economic impacts of invasive forest pests and diseases in the Northeast	2020	Alexandra Kosiba , James Duncan , Emma Tait , Clarke Cooper , Gene Desideraggio , Alyx Belisle	Report
Inventory of moderate and intensive timber clearings detected via remote sensing in New Hampshire between 2000 and 2018 (Deprecated)	2020	Alexandra Kosiba , James Duncan	Report
Northeast Forest Fragmentation Information Network Version 1.0: Analysis of Resources and Gaps	2019	Jennifer Pontius , Alexandra Kosiba , James Duncan , Mike Finnegan , John Truong	Report
Climate Connection: Tools for Understanding Climate Change and How it Impacts Forest Ecosystems in the Northeast	2019	Jennifer Pontius , Alexandra Kosiba , James Duncan , Mike Finnegan , John Truong	Report
The DendroEcological Network Version 1.0 - Technical Report	2019	Shelly Rayback , Christopher Hansen , Paul Schaberg , Alexandra Kosiba , James Duncan	Annual Report
Linking Forest Science to Policy: Improving a Forest Indicators Dashboard to Inform Policy and Decision Making Across Vermont's Forested Landscape	2019	Jennifer Pontius , Alexandra Kosiba , James Duncan , Laura Edling	Publication
Proceedings of the 2018 Forest Ecosystem Monitoring Cooperative Conference	2019	Jennifer Pontius , Alexandra Kosiba , James Duncan , John Truong , Stephen Rotella	Annual Report
Hemlock woolly adelgid-induced losses in riparian corridors in New York State	2018	Alexandra Kosiba , James Duncan , Carrie Brown-Lima	Report
Northeastern Forest Health Atlas - Technical Report	2018	William Keeton , Jennifer Pontius , Alexandra Kosiba , James Duncan , Emma Tait , Garrett Meigs	Report
Key Findings from iTree Report, City of Winooski, Vermont	2015	Alexandra Kosiba	Publication
Using dendroecological techniques to interpret the response of trees to environmental change at Vermont Monitoring Cooperative's Mount Mansfield study site	2014	Shelly Rayback , Gary Hawley , Paul Schaberg , Alexandra Kosiba	Document
Using dendroecological techniques to interpret the response of trees to environmental change at Vermont Monitoring Cooperative's Mount Mansfield study site	2014	Shelly Rayback , Gary Hawley , Paul Schaberg , Alexandra Kosiba	Annual Report
Quantifying the legacy of foliar winter injury on woody aboveground carbon sequestration of red spruce trees	2013	Christopher Hansen , Gary Hawley , Paul Schaberg , Alexandra Kosiba	Publication