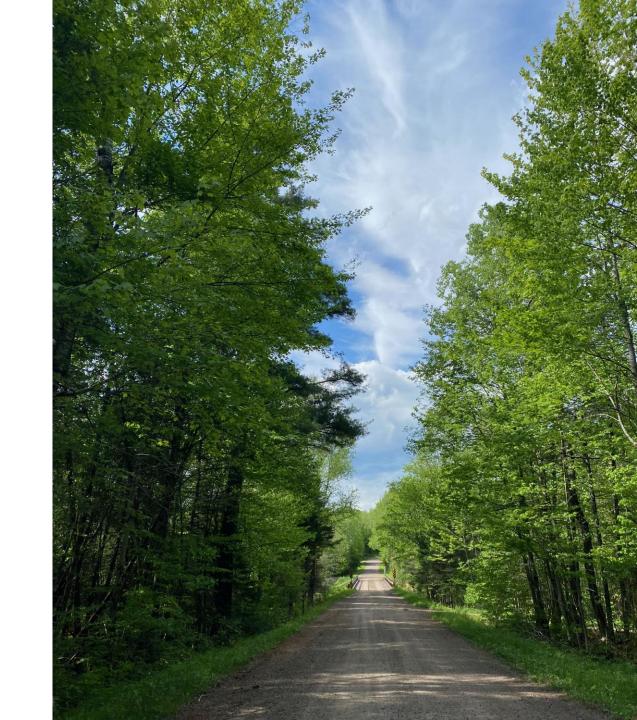
Local Economic Effect of Timberland Conservation Easements

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Education and Background

- B.A. History Carroll College 1995
- M.S. Natural Resource Policy and Law UWSP 2007
- Ph.D. Environmental Science UW-Madison 2020
- Worked at WDNR since 2011 and in the Forestry Division since 2020

Research Topics and Tools

- Past Topics Outdoor recreation motivations and economics, valuation of ecosystem services, conservation easements, institutional accountability, water budget variation, economics of specialty crop production, etc...
- **Current Topics** Urban forestry, loggers survey, forest regeneration monitoring, landcover conversion history, groundwater and forest health, remote sensing.
- Research Tools Spatial analysis and modeling, economic analysis, social science methods, landscape and landcover modeling.

Question – What effect will a timberland conservation easement have on the local economy?



- Literature review conducted in 2023
 - 100's of peer-reviewed scientific publications reviewed
 - 80+ sources cited directly
 - Primarily drawn from research in the Great Lakes Region



Economic Effect of Timberland Conservation Easements

Municipal Budget

Property Tax Base

Municipal Expenditures

Forest Products Economy

Tourism Economy

Economic Effect of Timberland Conservation Easements Compared to Parcelization and Development

Municipal Budget

Property Tax Base

Neutral to negative

Municipal Expenditures

Positive to neutral

Forest Products Economy

Positive

Tourism Economy *Positive*

Property Tax Base



With a Conservation Easement

Value increase on neighboring and nearby properties

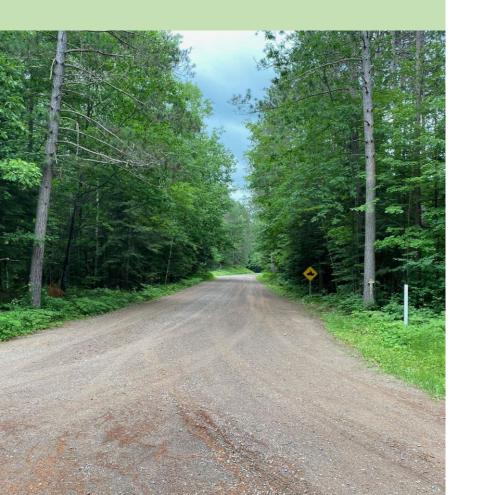
Property Tax Base



Without a Conservation Easement

- Overall value increase of subdivided and developed parcels
- Increased assessed acreage for parcels removed from MFL/FCL
- Loss of state MFL/FCL payment
- Value decrease on neighboring properties
- Value decrease due to market saturation

Property Tax Base



Summary

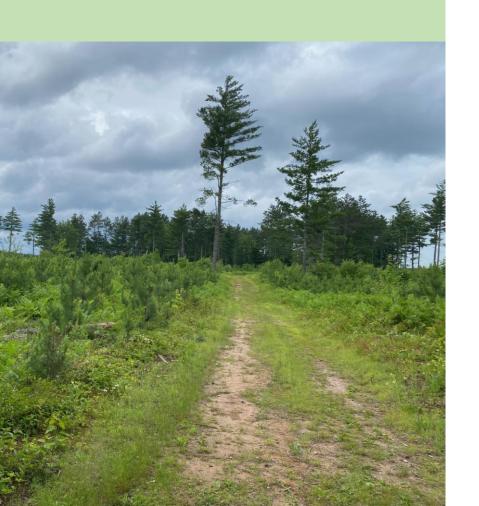
With a Conservation Easement

Likely neutral to negative effect

Without a Conservation Easement

Likely neutral to positive effect

Municipal **Expenditures**



With a Conservation Easement

• Long-term benefit of improved ecosystem services.

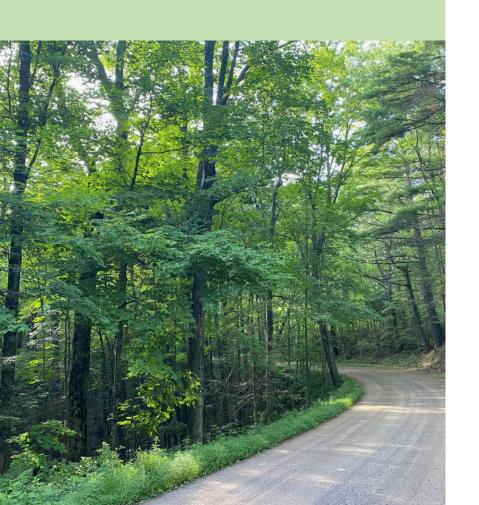
Municipal **Expenditures**



Without a Conservation Easement

- Increased road costs
- Increased school costs
- Increased public safety costs
- Increase human service costs
- Increased sanitation costs

Municipal Expenditures



Summary

With a Conservation Easement

Small positive benefit

Without a Conservation Easement

Large negative effect

Municipal Budget with a Conservation easement

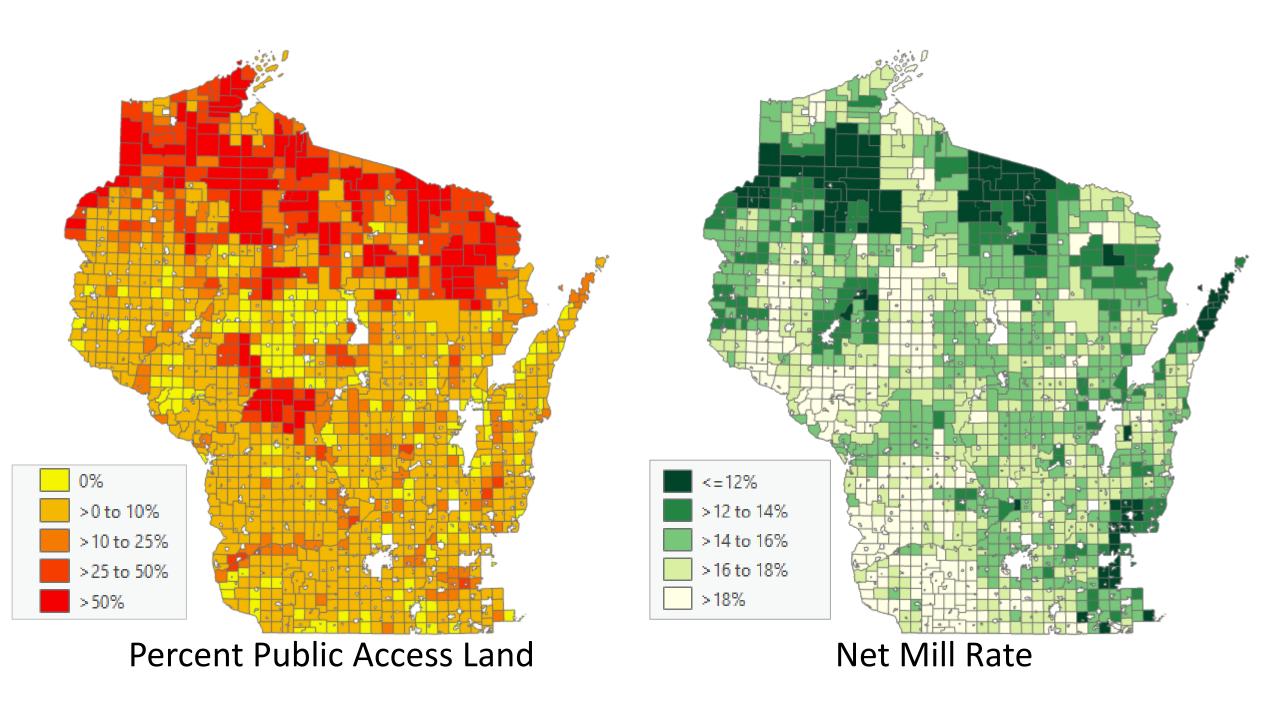
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Municipal Expenditures ↔

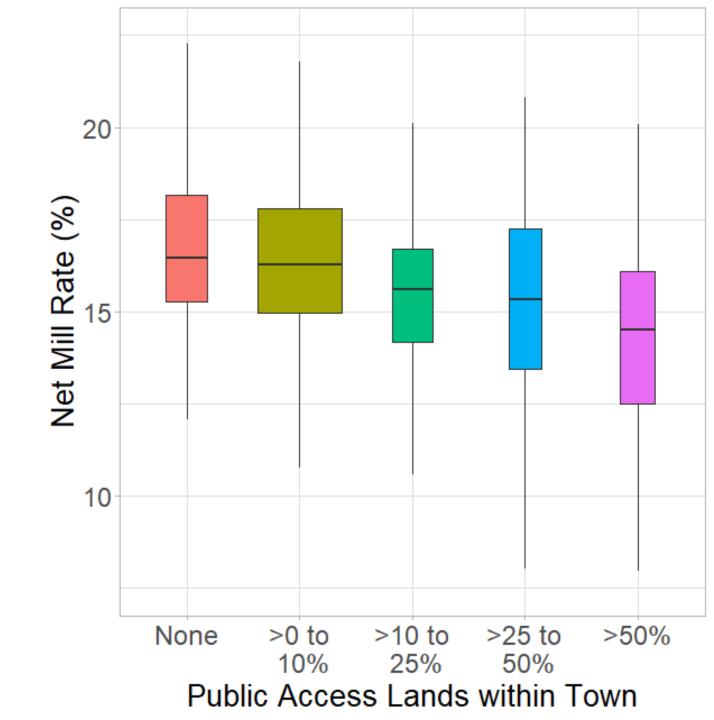
Municipal Budget without a Conservation easement

Property Tax Base 个个个

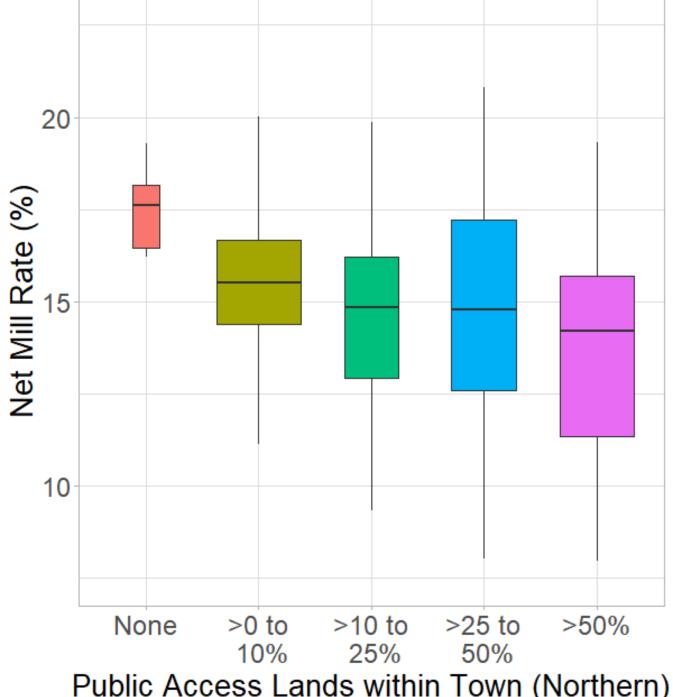
Municipal Expenditures 个个个



Statewide, a higher percentage of public access land is associated with a lower net mill rate.



The relationship between public access lands and tax rate is more pronounced in the northern (north of 29) 20 counties.



Public Access Lands within Town (Northern)

Economic Effect of Timberland Conservation Easements Compared to Parcelization and Development

Municipal Budget

Property Tax Base

Neutral to negative

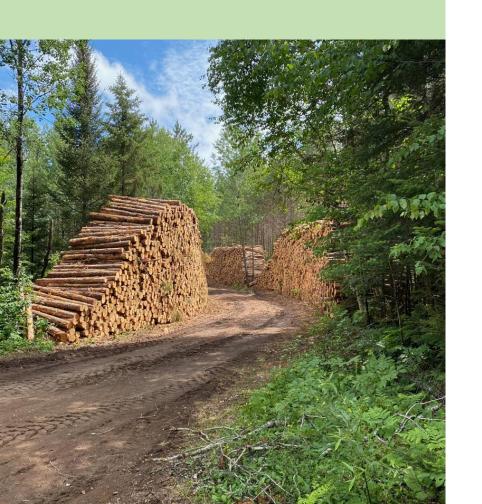
Municipal Expenditures *Positive*

Forest Products Economy

Positive

Tourism Economy *Positive*

Forest Products Economy



With a Conservation Easement

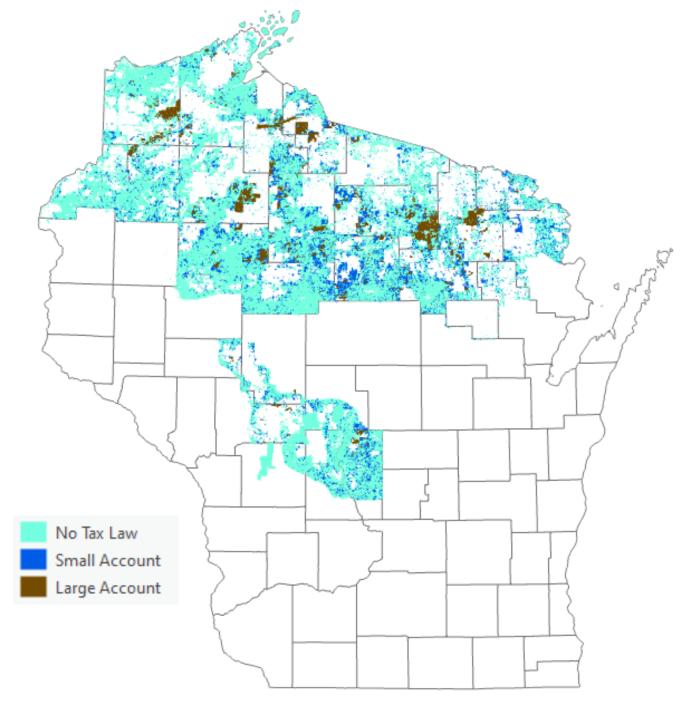
- Increased certainty of some level of timber harvest, although harvest intensity could change
- Increased predictability of harvest frequency and wood product supply
- Increased multiplier effect of the timber harvest industry
- Prevents land use that would explicitly exclude timber harvest

Forest Products Economy



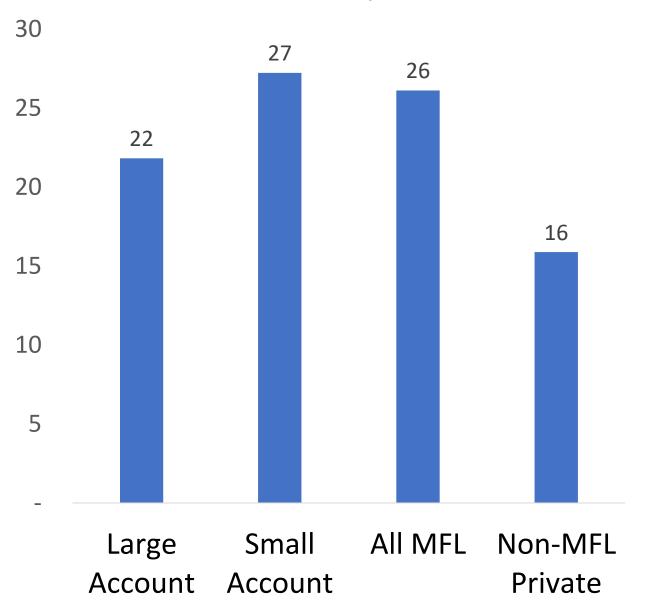
Without a Conservation Easement

- Increased harvest difficulty due to increased parcelization and smaller parcels
- Increased harvest difficulty due to different landowner motivations
- Decreased harvest volume due to decreased enrollment in tax law programs
- Decreased multiplier effect of the timber harvest industry

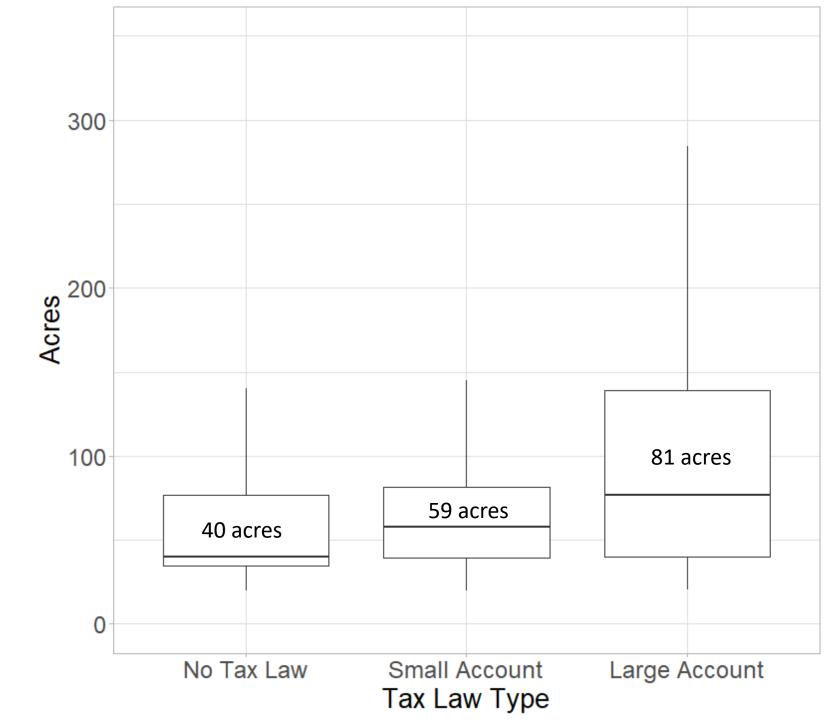


- A large majority of the forested private properties greater than 20 acres in Wisconsin are not enrolled in a tax law program.
 - Non-tax law (77%)
 - 3.8mm acres
 - Small account tax law (17%)
 - 851k acres
 - Large account tax law (5%)
 - 256k acres

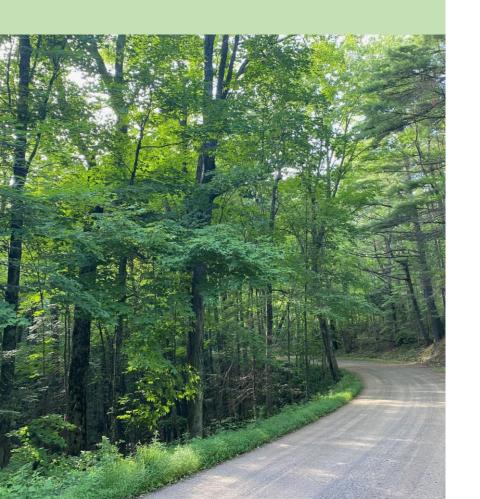
Removals (cubic feet/acre/year)



 Non-tax law private landowners harvest 38% less volume annually than tax-law landowners Properties size is smaller on the non-tax law, forested private properties greater than 20 acres in Wisconsin



Forest Products Economy



Summary

With a Conservation Easement

 Positive benefit to the predictability and certainty of some timber harvest

Without a Conservation Easement

 Decreased volume of timber harvest and negative effect on the predictability and certainty of timber harvest

Economic Effect of Timberland Conservation Easements Compared to Parcelization and Development

Municipal Budget

Property Tax Base

Neutral to negative

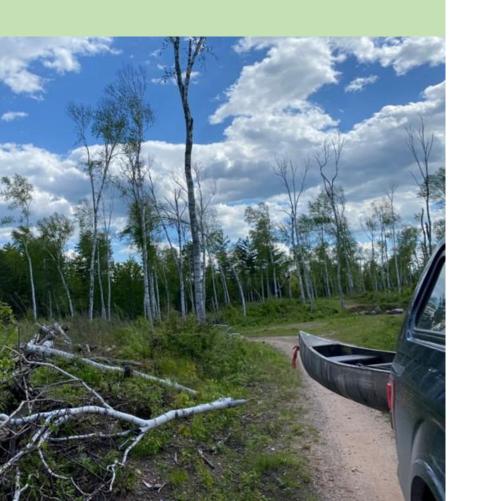
Municipal Expenditures *Positive*

Forest Products Economy

Positive

Tourism Economy *Positive*

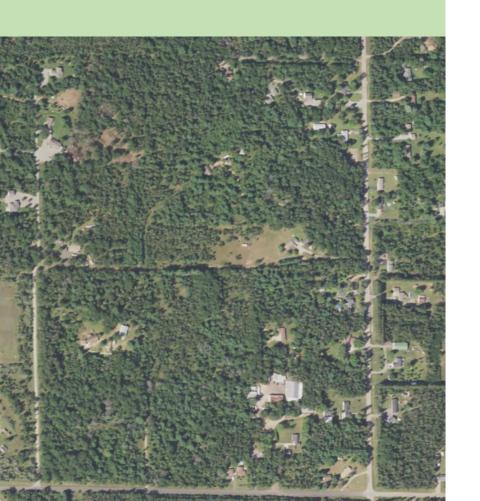
Tourism Economy



With a Conservation Easement

- Increased use of the property for many types of outdoor recreation
- Increase likelihood that recreation facilities will be developed
- Increased local spending on fuel, local lodging, entertainment, and supplies
- Increased possibility of connection to other outdoor rec destinations
- Increased possibility of becoming as outdoor recreation destination

Tourism Economy



Without a Conservation Easement

- Decreased use of the property for many types of outdoor recreation
- Increased usage by "second-home" tourists who spend less in the local economy
- Decreased likelihood of connecting recreation opportunities
- Decreased possibility of becoming an outdoor recreation destination

Tourism Economy



Summary

With a Conservation Easement

- Increase visitation for multiple uses and increased local spending
- Increased certainty of long-term usage

Without a Conservation Easement

Decreased visitation and increased uncertainty of usage

Likely Long-term Economic Effect of Most Timberland Conservation Easements

Municipal Budget

Property Tax Base

Neutral to negative

Municipal Expenditures *Positive*

Forest Products Economy

Positive

Tourism Economy *Positive*

Conclusion

There are more higher probability pathways for a timberland conservation easement to have a positive economic benefit compared to is being parcelized and developed.

