

# The Trust for Public Land

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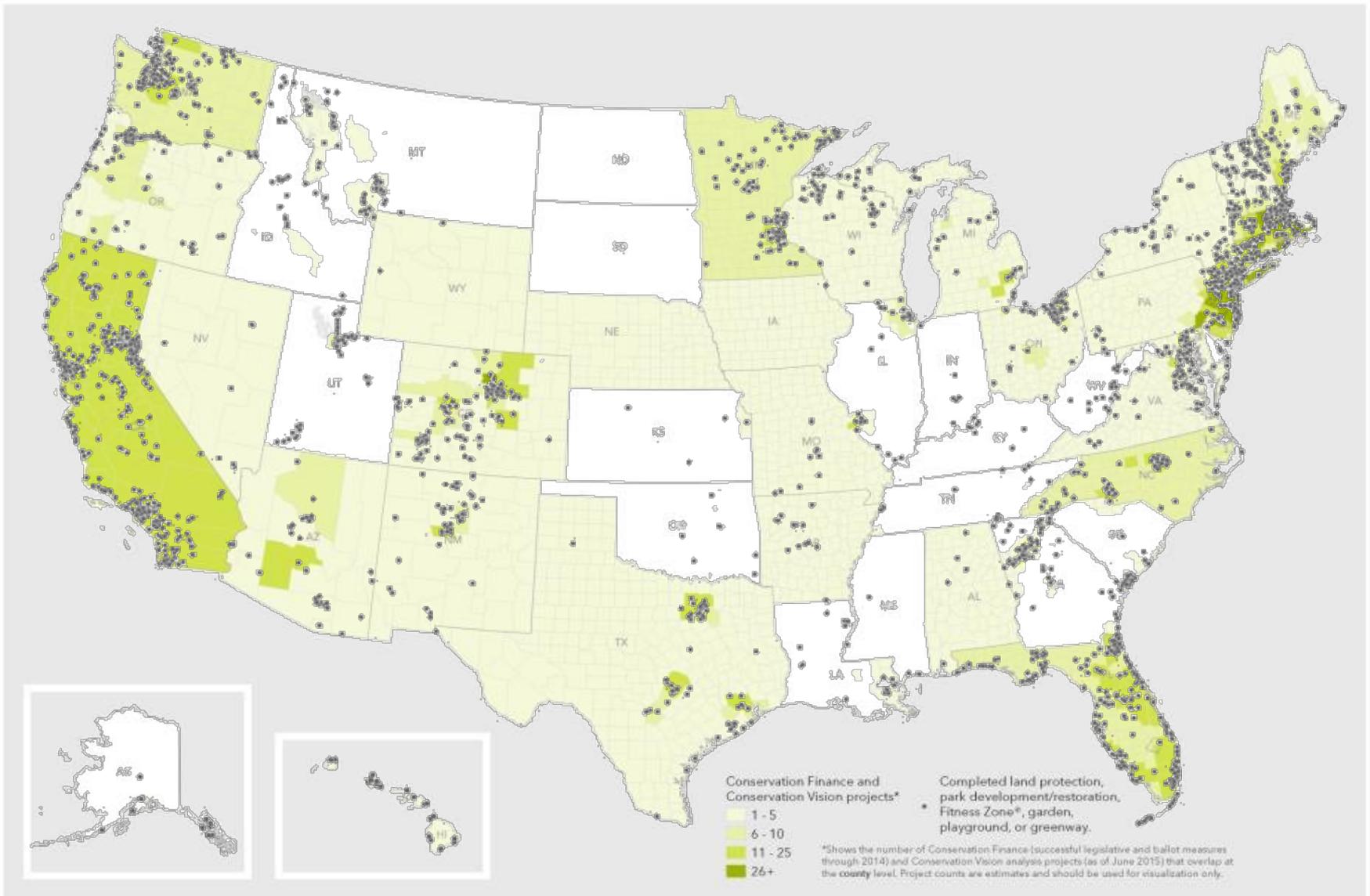
The logo for The Trust for Public Land, featuring the text "THE TRUST FOR PUBLIC LAND" in white, stacked vertically, on a green rectangular background with a vertical gradient from light to dark green.

THE  
TRUST  
FOR  
PUBLIC  
LAND

# OUR MISSION

The Trust for Public Land creates parks and protects land for people, ensuring healthy, livable communities for generations to come.

THE  
TRUST  
FOR  
PUBLIC  
LAND

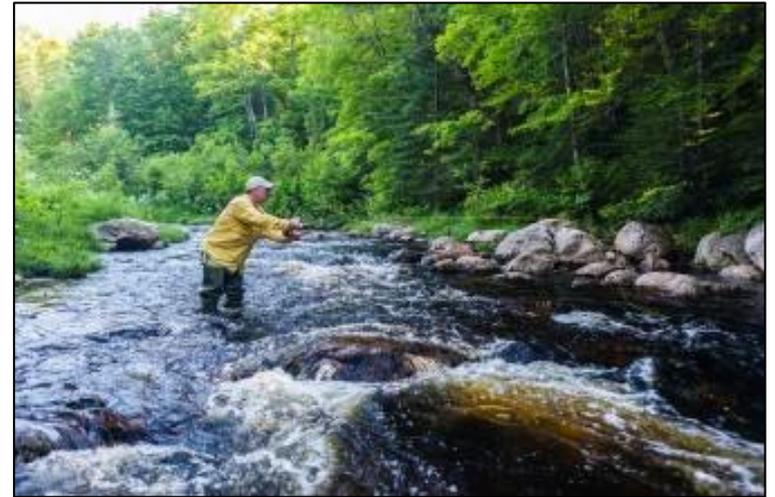


# The Trust for Public Land Impact: Plan, Fund, Protect, Create

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# Data and Conservation Planning Methodologies that Scale



THE TRUST FOR PUBLIC LAND

# CarbonMap

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## What Is It?

Joint project of The Trust for Public Land and American Forests.

Web mapping application leveraging best available national data related to carbon storage and related issues and present it in an easy to use tool.

## Goals

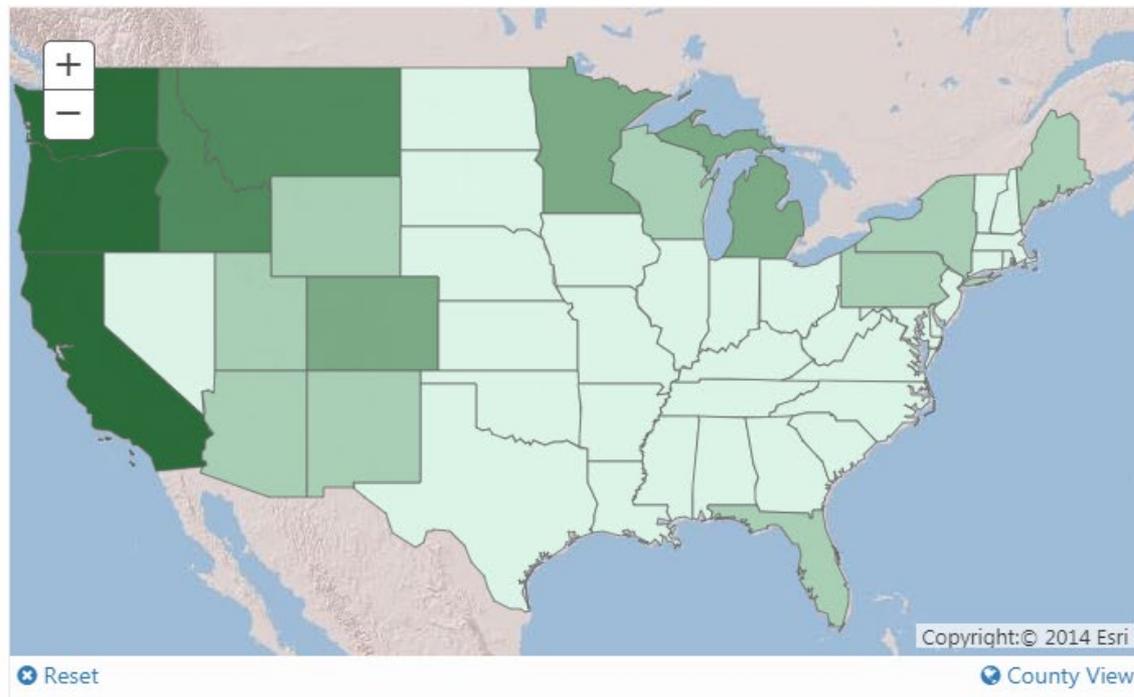
Allow policy makers and planners at government agencies, non-profits, and foundations assess and differentiate forest-based opportunities to protect and enhance carbon sequestration and uptake.

Help organizations and individuals looking to make investments in carbon sequestration optimize and track their investments and quantify return on investments

## Status

- **Current version is a beta\proof of concept**
- **In requirements review now**
- **Expected 1.0 release in summer of 2019**

Existing carbon stocks		Threats				Co-Benefits		
<b>Ownership</b>		Public		Private		All		
<b>Carbon Type</b>	Total	Above Ground	Below Ground	Standing Dead	Understory	Dead Down	Litter	Soil



## National Overview

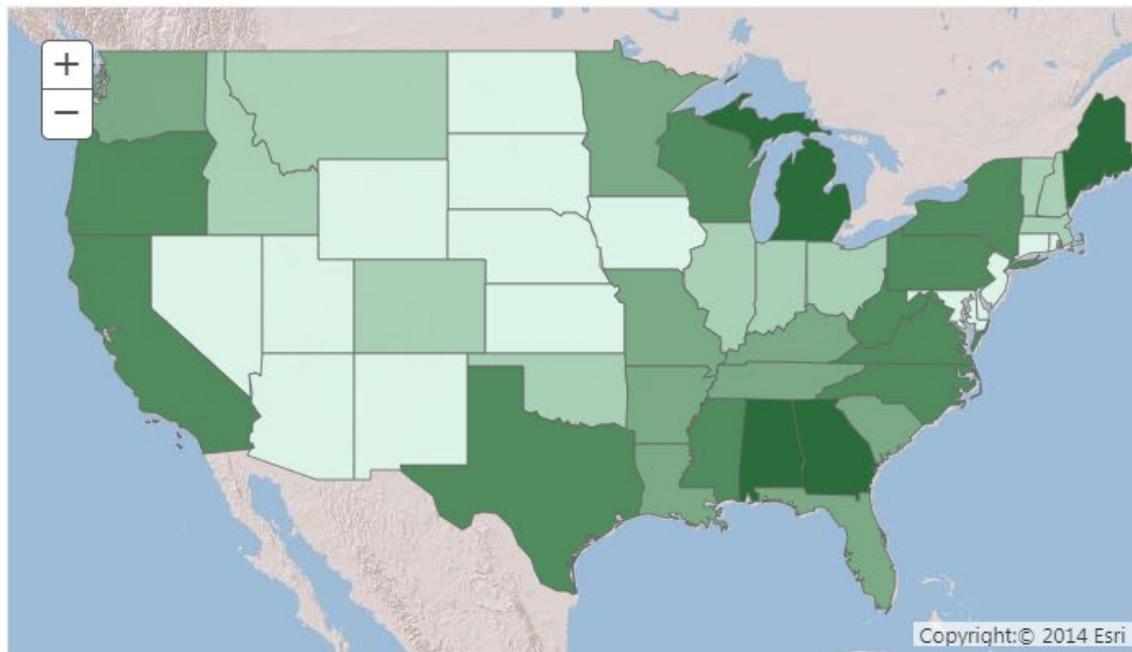
Click on a State or County to see detailed statistics and info graphics.

### Top 10 States (Mg C)

<a href="#">Oregon</a>	1,568,998,590
<a href="#">Washington</a>	1,344,862,006
<a href="#">California</a>	1,193,302,227
<a href="#">Montana</a>	939,089,963
<a href="#">Idaho</a>	894,714,936
<a href="#">Minnesota</a>	732,372,492
<a href="#">Colorado</a>	655,996,795
<a href="#">Michigan</a>	596,469,316
<a href="#">Wisconsin</a>	422,139,119
<a href="#">New York</a>	369,692,135

[Legend View](#)

Existing carbon stocks		Threats					Co-Benefits	
<b>Ownership</b>		Public		Private			All	
<b>Carbon Type</b>	Total	Above Ground	Below Ground	Standing Dead	Understory	Dead Down	Litter	Soil



Reset

County View

## National Overview

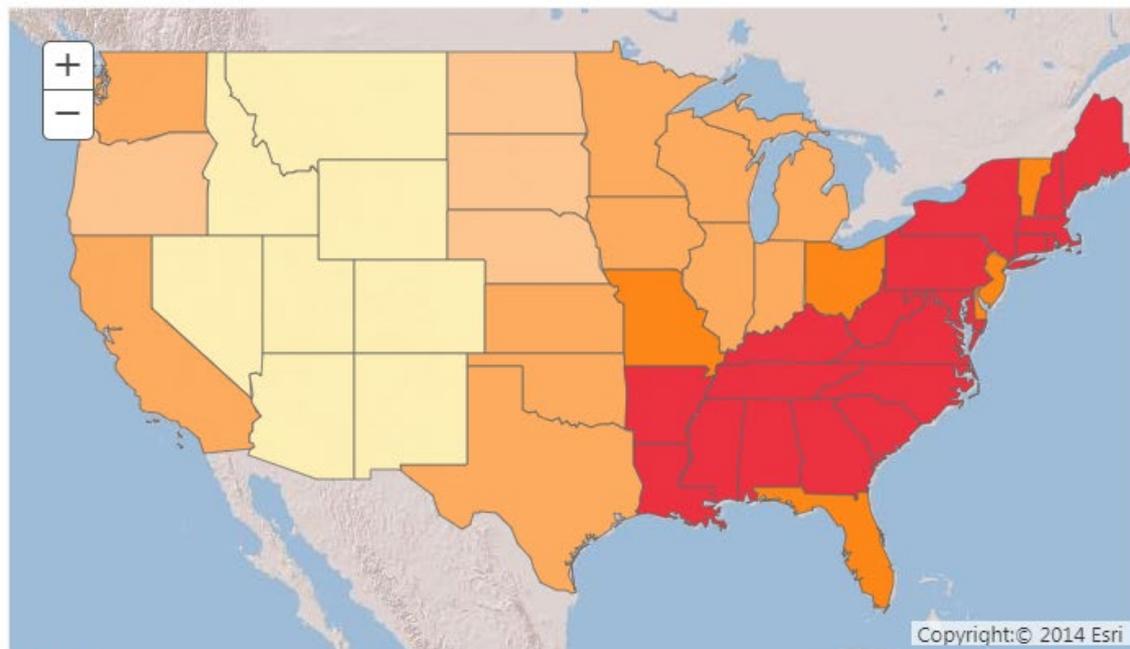
Click on a State or County to see detailed statistics and info graphics.

### Top 10 States (Mg C)

Georgia	998,313,027
Michigan	909,947,785
Maine	851,277,336
Alabama	804,269,384
New York	773,042,487
North Carolina	721,420,177
Texas	718,561,597
Oregon	715,329,046
Wisconsin	693,118,931
Pennsylvania	692,422,296

Legend View

Existing carbon stocks	Threats		Co-Benefits
<b>Ownership</b>	Public	Private	All
<b>Threats</b>	Development	Disease	Wildfire



## National Overview

Click on a State or County to see detailed statistics and info graphics.

### Threats Legend

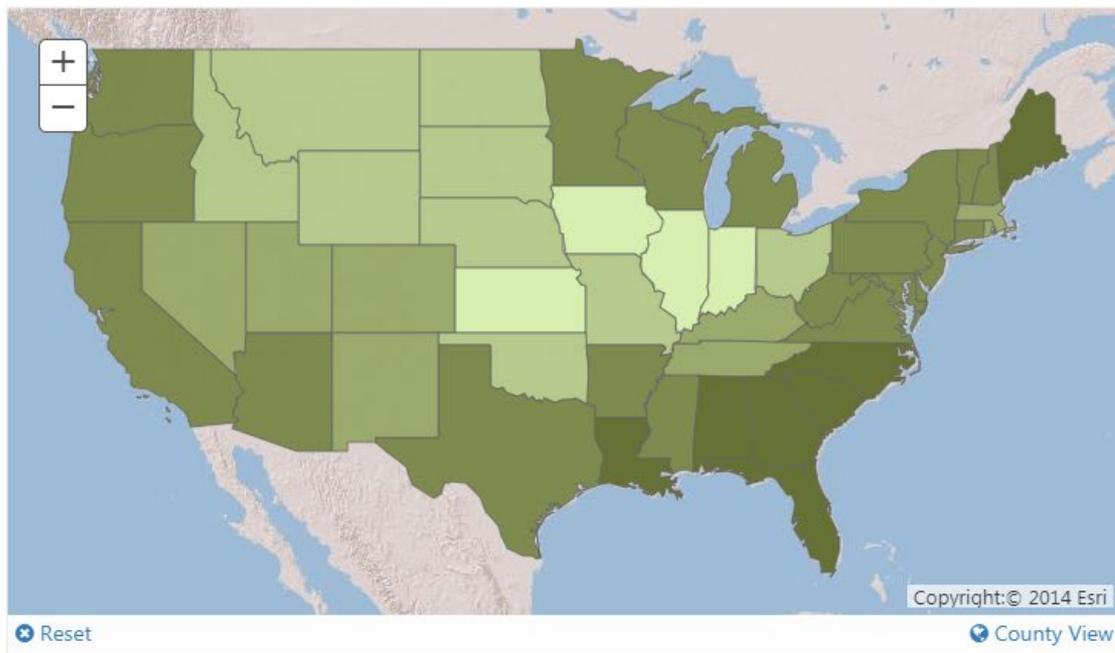


[Reset](#)

[County View](#)

[Top 10 States](#)

Existing carbon stocks	Threats		Co-Benefits
<b>Ownership</b>	Public	Private	All
<b>Benefit</b>	Rare Ecosystems	Sourcewater Protection	Habitat Cores



## National Overview

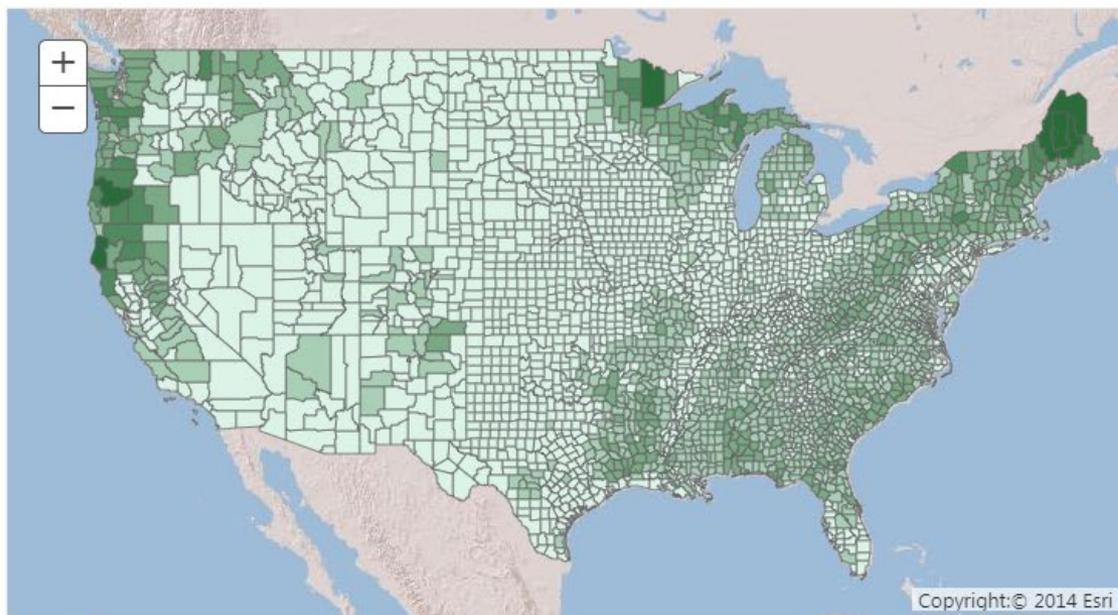
Click on a State or County to see detailed statistics and info graphics.

### Top 10 States (Mg C)

<a href="#">Louisiana</a>	Very High
<a href="#">South Carolina</a>	Very High
<a href="#">Florida</a>	Very High
<a href="#">Maine</a>	Very High
<a href="#">Georgia</a>	Very High
<a href="#">Alabama</a>	Very High
<a href="#">North Carolina</a>	Very High
<a href="#">Oregon</a>	Very High
<a href="#">Mississippi</a>	Very High
<a href="#">Arkansas</a>	Very High

[Legend View](#)

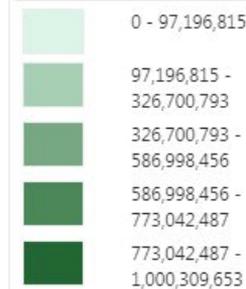
Existing carbon stocks		Threats				Co-Benefits		
Ownership		Public		Private		All		
Carbon Type	Total	Above Ground	Below Ground	Standing Dead	Understory	Dead Down	Litter	Soil



## National Overview

Click on a State or County to see detailed statistics and info graphics.

### Carbon Legend (Metric Tons)

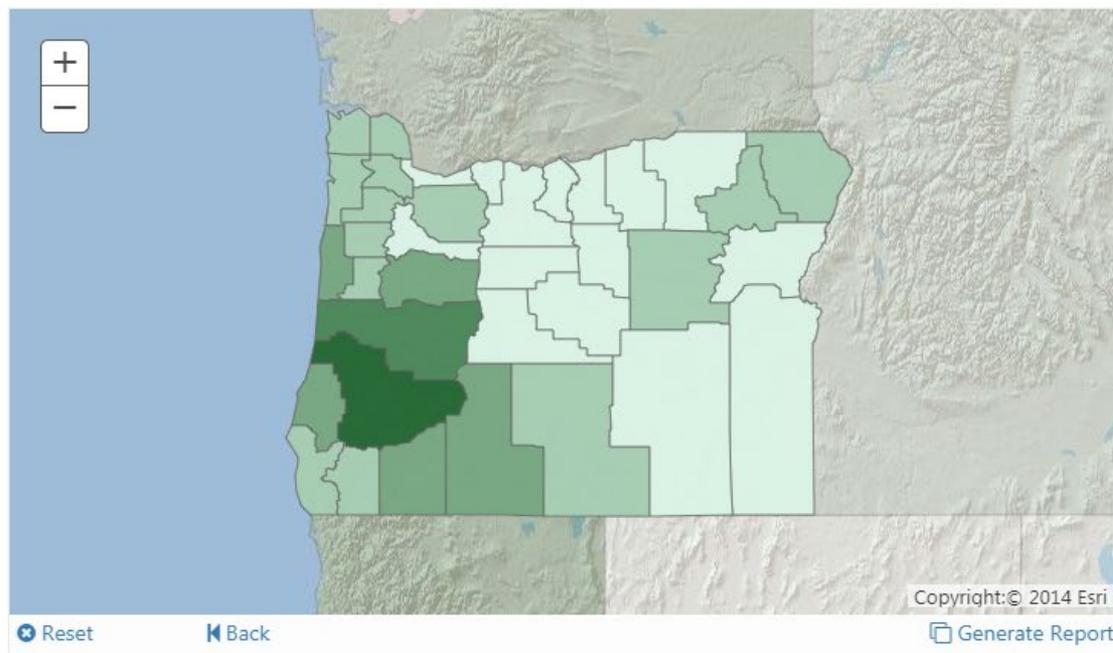


[Reset](#)

[State View](#)

[Top 10 States](#)

Existing carbon stocks		Threats				Co-Benefits		
<b>Ownership</b>		Public		Private		All		
<b>Carbon Type</b>	Total	Above Ground	Below Ground	Standing Dead	Understory	Dead Down	Litter	Soil



## Oregon

Click on a State or County to see detailed statistics and info graphics.

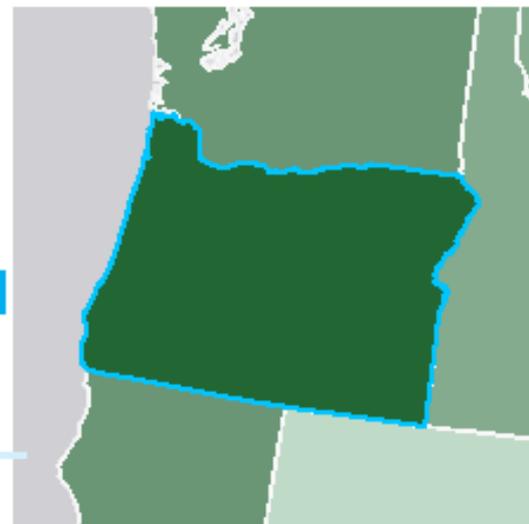
### Carbon Legend (Metric Tons)



[Top 10 Counties](#)

# Forest Carbon - Existing carbon stocks

## State: Oregon



Social Value	Total Market Value
<b>\$100,601,789,092</b>	<b>\$121,811,999,626</b>
U.S. dollars	U.S. dollars

All of the calculations, data sources, and assumptions in this report are from EPA's Greenhouse Gas Equivalencies Calculator available at <https://www.epa.gov/energy>

Gasoline Equivalence	Miles driven by avg. passenger vehicle	Homes' energy use	Pounds of coal burned	Acres of U.S. forests
<b>943,342,232,964</b>	<b>1,905,336,914,625</b>	<b>905,343,674</b>	<b>9,172,300,245,462</b>	<b>9,862,920,499</b>
gallons annually	miles annually	for one year	lbs annually	preserved from conversion to cropland

Please note that these estimates are approximate and should not be used for emission inventory or formal carbon footprinting exercises.

Existing carbon stock type	Public lands		Private lands		All lands	
	Metric Tons	Market Value	Metric Tons	Market Value	Metric Tons	Market Value
Aboveground	581,585,156	\$31,013,086,622	246,113,346	\$13,124,018,797	902,145,649	\$48,107,006,938
Belowground	130,388,553	\$6,952,875,979	54,611,032	\$2,912,138,764	201,562,746	\$10,748,353,593
Dead Down	98,616,816	\$5,258,751,559	47,779,411	\$2,547,841,851	162,721,535	\$8,677,142,133
Litter	206,306,499	\$11,001,314,665	81,662,536	\$4,354,662,921	348,382,780	\$18,577,546,571
Soil Organic	493,676,705	\$26,325,359,679	265,223,197	\$14,143,053,526	914,918,699	\$48,788,131,107
Standing Dead	47,234,685	\$2,518,794,278	11,674,311	\$622,533,828	63,947,809	\$3,410,023,331
Understory	19,853,337	\$1,058,681,182	10,387,099	\$553,893,078	37,682,935	\$2,009,979,535
All Stocks	1,568,998,590	\$83,667,006,714	715,329,046	\$38,144,992,911	2,619,667,056	\$139,694,007,711

*The Trust for Public Land creates parks and protects land for people, ensuring healthy, livable communities for generations to come. The American Forest Foundation works on-the-ground with family forest owners, partners and elected officials to promote stewardship and protect our nation's forest heritage.*



Existing carbon stocks		Threats			Co-Benefits		
<b>Ownership</b>		Public		Private	All		
<b>Carbon Type</b>	Total	Ab	Gr	ory	Dead Down	Litter	Soil

**Parcel Selection** x

Owner: GILBREATH, LEON TRS OF THE &

**Sequestration**

Acres_USA_Albers_Equal_Area:	402
Acres Forested:	137
Percent Forested:	34

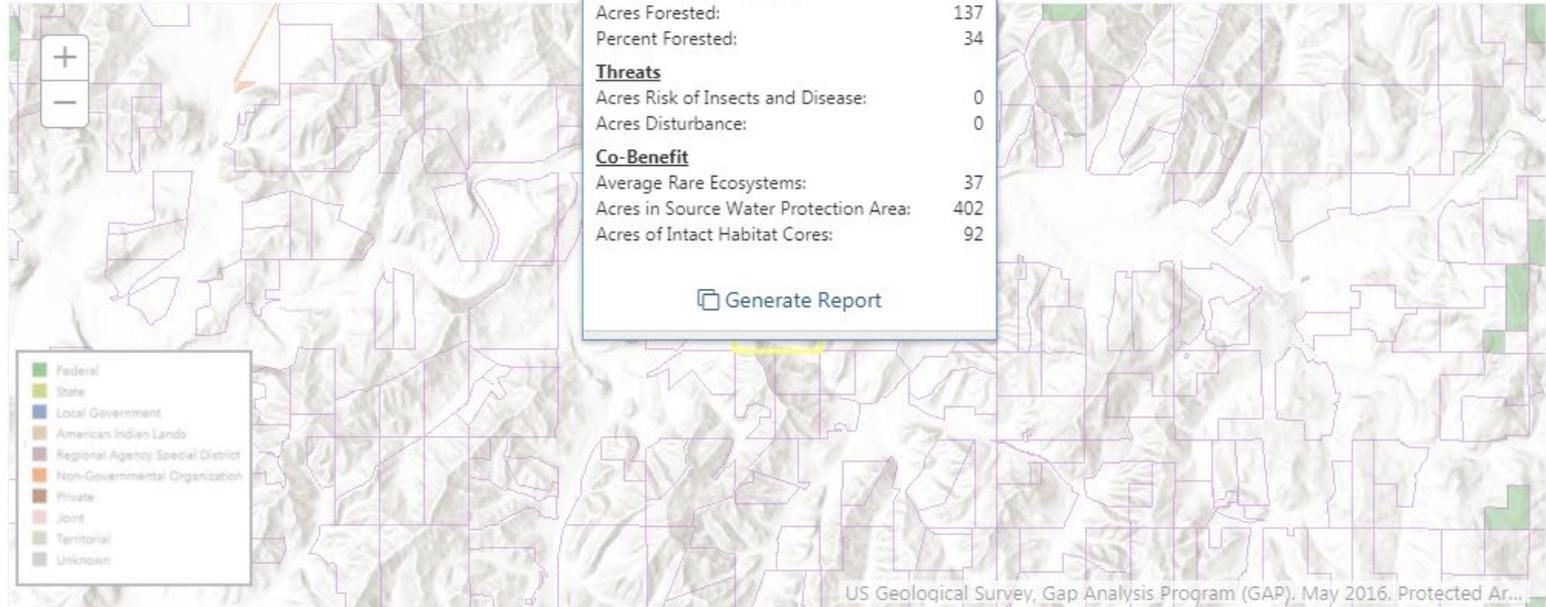
**Threats**

Acres Risk of Insects and Disease:	0
Acres Disturbance:	0

**Co-Benefit**

Average Rare Ecosystems:	37
Acres in Source Water Protection Area:	402
Acres of Intact Habitat Cores:	92

[Generate Report](#)



US Geological Survey, Gap Analysis Program (GAP). May 2016. Protected Ar...

## The Social Value of Total Carbon

\$582,900,515,215

### Gallons of Gasoline Consumed

5,465,853,824,085

### Vehicle Miles Driven

11,039,782,485,147

### The Market Value of Total Carbon

\$705,795,373,840

### Pounds of Coal Burned

53,145,561,197,647

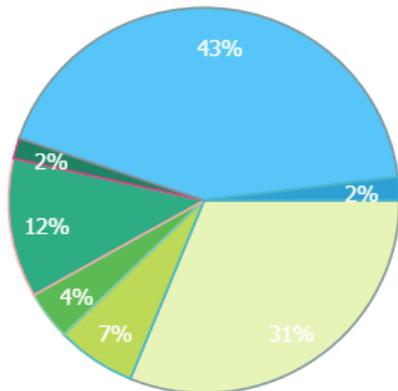
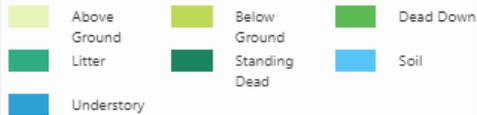
### Acres of US Forest in One year

57,147,109,334

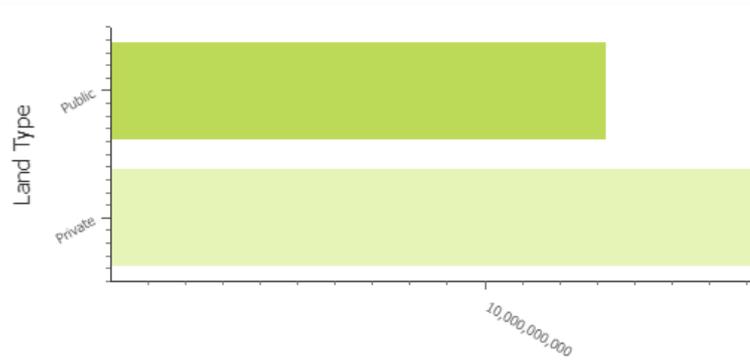
### Home Energy Use

5,245,684,982

### Carbon By Type



### Tons of Carbon by Land Type



# TPL Tools

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## Carbon Map

<https://web.tplgis.org/carbonmap/>

Uname: TPL\_Guest

Password: SaveLand11

## ParkServe

<https://parkserve.tpl.org/>

Thank You!  
Questions?