



Tree Benefits Report - i-Tree County_{v0.5}

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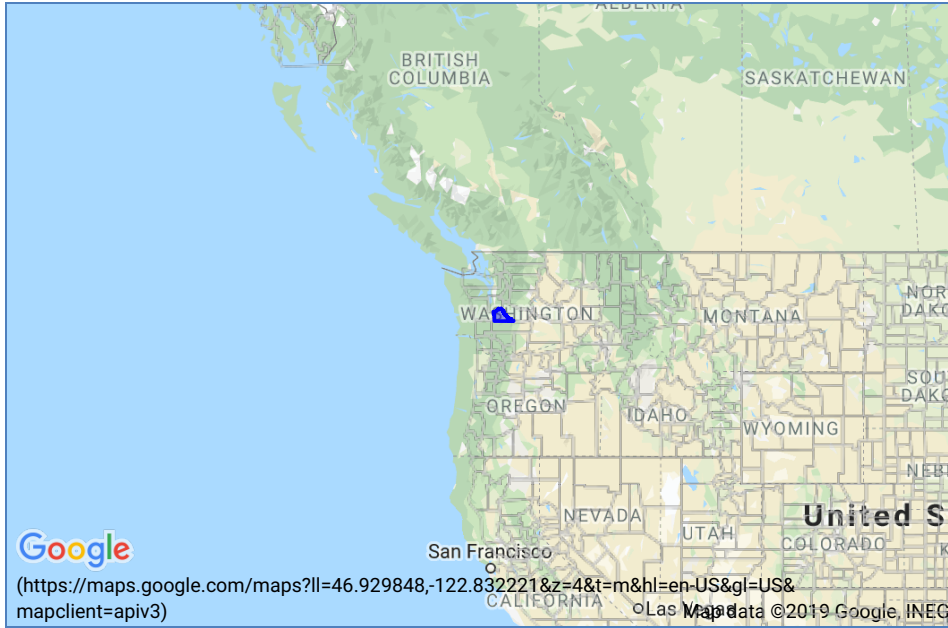
Washington

Canopy Area: 235,851.5 acres,

Location: Thurston County,

Total Area: 495,041.8 acres

47.6% of total area



Thurston county's trees provide the following benefits:

Annual Air Pollution Removal Benefits

15,174,005.9	<u>lb/yr (Pounds per year)</u>	Total Air Pollution Removal
3,182,070	<u>\$/yr (Dollars per year)</u>	
129,389.6	<u>lb/yr (Pounds per year)</u>	<u>CO (Carbon Monoxide) Removal</u>
1,571	<u>\$/yr (Dollars per year)</u>	
1,726,903.3	<u>lb/yr (Pounds per year)</u>	<u>NO₂ (Nitrogen Dioxide) Removal</u>
13,651	<u>\$/yr (Dollars per year)</u>	
9,220,529.3	<u>lb/yr (Pounds per year)</u>	<u>O₃ (Ozone) Removal</u>
628,209	<u>\$/yr (Dollars per year)</u>	
702,839.0	<u>lb/yr (Pounds per year)</u>	<u>PM_{2.5} (Particulate Matter 2.5) Removal</u>
2,374,384	<u>\$/yr (Dollars per year)</u>	
541,945.2	<u>lb/yr (Pounds per year)</u>	<u>SO₂ (Sulfur Dioxide) Removal</u>
1,462	<u>\$/yr (Dollars per year)</u>	
2,852,399.5	<u>lb/yr (Pounds per year)</u>	<u>PM₁₀₊ (Particulate Matter) Removal</u>
162,793	<u>\$/yr (Dollars per year)</u>	

Annual Avoided Health Incidence Due To Improved Air Quality

0.25	Emergency Room Visits
0.33	Hospital Admissions
251.87	Acute Respiratory Symptoms
185.84	Asthma Exacerbation
0.38	Mortality
57.45	School Loss Days
0.02	Hospital Admissions, Respiratory
0.02	Hospital Admissions, Cardiovascular
0.05	Acute Myocardial Infarction
0.09	Chronic Bronchitis
0.18	Acute Bronchitis
1.78	Upper Respiratory Symptoms
2.13	Lower Respiratory Symptoms
16.47	Work Loss Days

Annual Automobile Emission Removal Benefits

594.2	Equivalent Reduction in Vehicles for <u>CO (Carbon Monoxide)</u> Removal
123,623.0	Equivalent Reduction in Vehicles for <u>NO₂ (Nitrogen Dioxide)</u> Removal
323,858.9	Equivalent Reduction in Vehicles for <u>PM_{2.5} (Particulate Matter)</u> Removal
2,935,911.3	Equivalent Reduction in Vehicles for <u>SO₂ (Sulfur Dioxide)</u> Removal

Annual Hydrological Benefits volume

13,467.2	<u>MG (Millions of Gallons)/yr (Year)</u>	Transpiration
29,418.2	<u>MG (Millions of Gallons)/yr (Year)</u>	Rainfall Interception
433.5	<u>MG (Millions of Gallons)/yr (Year)</u>	Avoided Runoff
\$3,874,039	\$/yr	

Carbon and Carbon Dioxide Benefits

12,996,620.7	<u>T (Tons)</u>	Total Carbon Storage
2,216,583,159	<u>\$ (Dollars)</u>	
176,872.9	<u>T/yr (Tons per year)</u>	Carbon Sequestration
30,165,810	<u>\$/yr (Dollars per year)</u>	
47,654,275.8	<u>T (Tons)</u>	<u>CO₂ (Carbon Dioxide) Equivalent Storage</u>
2,216,583,159	<u>\$ (Dollars)</u>	
648,534.2	<u>T/yr (Tons per year)</u>	<u>CO₂ (Carbon Dioxide) Sequestration</u>
30,165,810	<u>\$/yr (Dollars per year)</u>	



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