



Westwood All Charts Report

August 18, 2025

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Eco Benefits and By The Numbers

Notes for Eco Benefits and By the Numbers

Below are the Eco Benefits collected from Westwood Kansas community tree inventory.

Total Eco-Benefits	
Overall Monetary Benefit:	\$37,043.07
Stormwater Monetary Benefit:	\$5,173.81
Runoff Avoided:	77399.58 (ft³)
Interception:	316314.90 (ft³)
Air Quality Monetary Benefit:	\$10,533.55
Pollutants Removed:	2714.38 (lbs)
Carbon Monetary Benefit:	\$21,335.71
Carbon Storage:	3930473.00 (lbs)
CO ₂ Storage:	14411742.00 (lbs)
CO ₂ Sequestered:	361568.40 (lbs)
Total Planting Spaces:	0
Total Trees:	2,285
Total Stumps:	0

Location Charts

Notes for Land Use

Below, you can see the land use distribution of all 2,432 trees collected within the City Limits of Westwood.

Land Use

Residential	80.3%
Small Commercial	6.7%
Institutional	6.3%
Industrial/ Large Commercial	3.7%
Park/ Vacant/ Other	2.3%
Utility	0.7%

Land Use

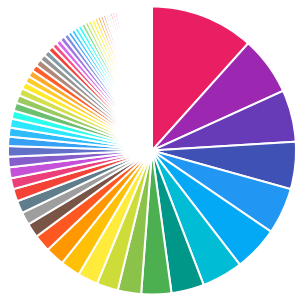
LAND USE	COUNT	PERCENTAGE
Residential	1,834	80.3%
Small Commercial	152	6.7%
Institutional	144	6.3%
Industrial/ Large Commercial	85	3.7%
Park/ Vacant/ Other	53	2.3%
Utility	17	0.7%

Tree Diversity Charts

Notes for Most Common Species

Species diversity is shown below, with Westwood's top 3 tree species being Pin oak, Eastern redbud, and Eastern redcedar. There is a good diversity of tree species throughout the community with only one species exceeding 10% of the total canopy makeup.

Most Common Species		
	COMMON NAME	COUNT PERCENTAGE
	Pin oak	266 11.6%
	Eastern redbud	150 6.6%
	Eastern red cedar	133 5.8%
	Sugar maple	121 5.3%
	Sweetgum	119 5.2%
	Dogwood spp.	115 5.0%
	Japanese maple	105 4.6%
	Magnolia spp.	84 3.7%
	Crabapple	77 3.4%
	Red maple	60 2.6%
	Silver maple	55 2.4%
	Norway maple	52 2.3%
	Callery pear	51 2.2%
	Ash spp.	49 2.1%
	Hybrid maple	44 1.9%
	Arborvitae spp.	37 1.6%
	Siberian elm	33 1.4%
	River birch	32 1.4%
	Honeylocust	32 1.4%
	Northern red oak	28 1.2%
	Black walnut	28 1.2%
	Littleleaf linden	27 1.2%
	Blue spruce	27 1.2%
	Ginkgo	24 1.1%
	Spruce spp.	23 1.0%
	Swamp white oak	23 1.0%
	American Linden	21 0.9%
	Japanese zelkova	21 0.9%
	Hornbeam spp.	20 0.9%
	Cherry	19 0.8%
	Shingle oak	18 0.8%
	Black gum	17 0.7%
	Hybrid Elm	17 0.7%



Pin oak	11.6%
Eastern redbud	6.6%
Eastern red ced...	5.8%
Sugar maple	5.3%
Sweetgum	5.2%
Dogwood spp.	5.0%
Japanese maple	4.6%
Magnolia spp.	3.7%
Crabapple	3.4%
Red maple	2.6%
Silver maple	2.4%
Norway maple	2.3%
Callery pear	2.2%
Ash spp.	2.1%
Hybrid maple	1.9%
Arborvitae spp.	1.6%
Siberian elm	1.4%
River birch	1.4%
Honeylocust	1.4%
Northern red oa...	1.2%
Black walnut	1.2%
Littleleaf lind...	1.2%
Blue spruce	1.2%
Ginkgo	1.1%
Spruce spp.	1.0%
Swamp white oak	1.0%
American Linden	0.9%
Japanese zelkov...	0.9%
Hornbeam spp.	0.9%
Cherry	0.8%
Shingle oak	0.8%
Black gum	0.7%
Hybrid Elm	0.7%
Norway spruce	0.7%
Fir spp.	0.7%
Paper birch	0.7%
Tulip tree	0.7%
Sycamore Spp.	0.6%
American elm	0.6%
Scotch pine	0.6%
Hackberry spp.	0.6%
Baldcypress	0.5%
Bur oak	0.4%
Cedar spp.	0.4%
Juniper spp.	0.4%
Mulberry spp.	0.4%
Japanese tree l...	0.4%
Plum	0.4%
Eastern white p...	0.4%
Pine spp.	0.4%
Kentucky coffe...	0.4%
Catalpa spp.	0.4%
Serviceberry sp...	0.3%
Shumard oak	0.3%
Amur maple	0.3%
Goldenrain tree	0.3%
Black cherry	0.3%
Austrian pine	0.3%
American holly	0.3%
Apple	0.2%
Shantung maple	0.2%
Smoketree spp.	0.2%
Pecan	0.2%
Paperbark maple	0.1%
Tree-of-heaven	0.1%
Willow spp.	0.1%
Maple spp.	0.1%
Quaking Aspen	0.1%
Linden spp.	0.1%
American hornbe...	0.1%
Lacebark Elm	0.1%
Oak spp.	0.1%
Southwestern Wh...	0.1%
Chinkapin oak	0.1%
Dwarf Alberta s...	0.1%
English oak	0.1%
Mimosa	0.1%
Yew	0.1%
Black locust	0.1%
Fruit spp.	0.1%
Ponderosa pine	0.1%
Beech	0.1%
Japanese pagoda...	0.1%
Cottonwood spp.	0.1%

COMMON NAME	COUNT	PERCENTAGE
Norway spruce	17	0.7%
Fir spp.	17	0.7%
Paper birch	16	0.7%
Tulip tree	15	0.7%
Sycamore Spp.	14	0.6%
American elm	13	0.6%
Scotch pine	13	0.6%
Hackberry spp.	13	0.6%
Baldcypress	12	0.5%
Bur oak	10	0.4%
Cedar spp.	10	0.4%
Juniper spp.	10	0.4%
Mulberry spp.	10	0.4%
Japanese tree lilac	10	0.4%
Plum	9	0.4%
Eastern white pine	9	0.4%
Pine spp.	9	0.4%
Kentucky coffeetree	8	0.4%
Catalpa spp.	8	0.4%
Serviceberry spp.	7	0.3%
Shumard oak	7	0.3%
Amur maple	6	0.3%
Goldenrain tree	6	0.3%
Black cherry	6	0.3%
Austrian pine	6	0.3%
American holly	6	0.3%
Apple	5	0.2%
Shantung maple	5	0.2%
Smoketree spp.	5	0.2%
Pecan	4	0.2%
Paperbark maple	3	0.1%
Tree-of-heaven	3	0.1%
Willow spp.	3	0.1%
Maple spp.	3	0.1%

Silver Poplar	0.1%
Honeysuckle	0.0%
Yellowwood	0.0%
Dawn redwood	0.0%
Black spruce	0.0%
Post oak	0.0%
Sawtooth oak	0.0%
Fruiting Pear	0.0%
Bitternut hicko...	0.0%
Douglas fir	0.0%
Eastern hemlock	0.0%
Ohio buckeye	0.0%
Pawpaw	0.0%
Trident maple	0.0%
English walnut	0.0%
Boxelder	0.0%
Silver linden	0.0%
Peach	0.0%
Horse-chestnut	0.0%

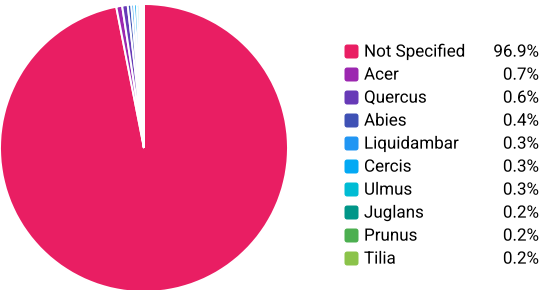
COMMON NAME	COUNT	PERCENTAGE
Quaking Aspen	3	0.1%
Linden spp.	3	0.1%
American hornbeam	3	0.1%
Lacebark Elm	3	0.1%
Oak spp.	3	0.1%
Southwestern White Pine	2	0.1%
Chinkapin oak	2	0.1%
Dwarf Alberta spruce	2	0.1%
English oak	2	0.1%
Mimosa	2	0.1%
Yew	2	0.1%
Black locust	2	0.1%
Fruit spp.	2	0.1%
Ponderosa pine	2	0.1%
Beech	2	0.1%
Japanese pagoda tree	2	0.1%
Cottonwood spp.	2	0.1%
Silver Poplar	2	0.1%
Honeysuckle	1	0.0%
Yellowwood	1	0.0%
Dawn redwood	1	0.0%
Black spruce	1	0.0%
Post oak	1	0.0%
Sawtooth oak	1	0.0%
Fruiting Pear	1	0.0%
Bitternut hickory	1	0.0%

COMMON NAME	COUNT	PERCENTAGE
Douglas fir	1	0.0%
Eastern hemlock	1	0.0%
Ohio buckeye	1	0.0%
Pawpaw	1	0.0%
Trident maple	1	0.0%
English walnut	1	0.0%
Boxelder	1	0.0%
Silver linden	1	0.0%
Peach	1	0.0%
Horse-chestnut	1	0.0%

Notes for Most Common Genus - Top 10

Error with data, will be updated.

Most Common Genus - Top 10



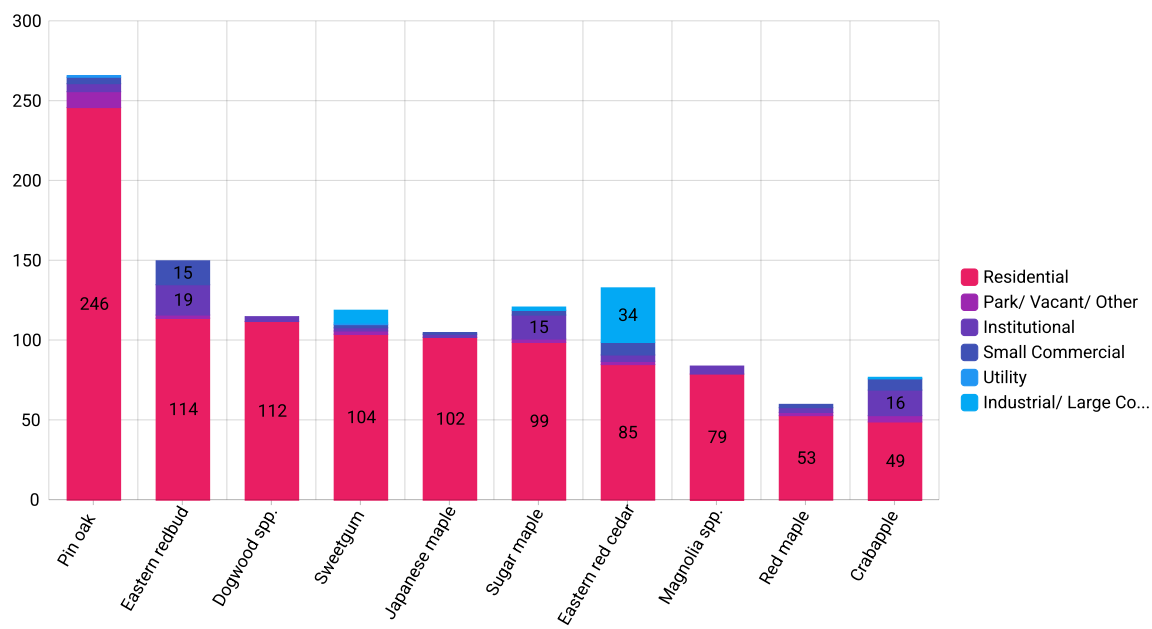
Most Common Genus - Top 10

GENUS	COUNT	PERCENTAGE
Not Specified	2,195	96.9%
Acer	15	0.7%
Quercus	14	0.6%
Abies	9	0.4%
Liquidambar	7	0.3%
Cercis	7	0.3%
Ulmus	6	0.3%
Juglans	4	0.2%
Prunus	4	0.2%
Tilia	4	0.2%

Notes for Most Common Species by Landuse - Top 10

Below you can see how each species is distributed across different land uses.

Most Common Species by Landuse - Top 10

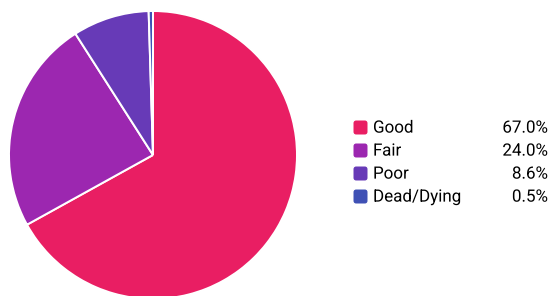


Tree Health Charts

Notes for Trees by Condition

Below you can see the condition breakdown of the entire canopy.

Trees by Condition

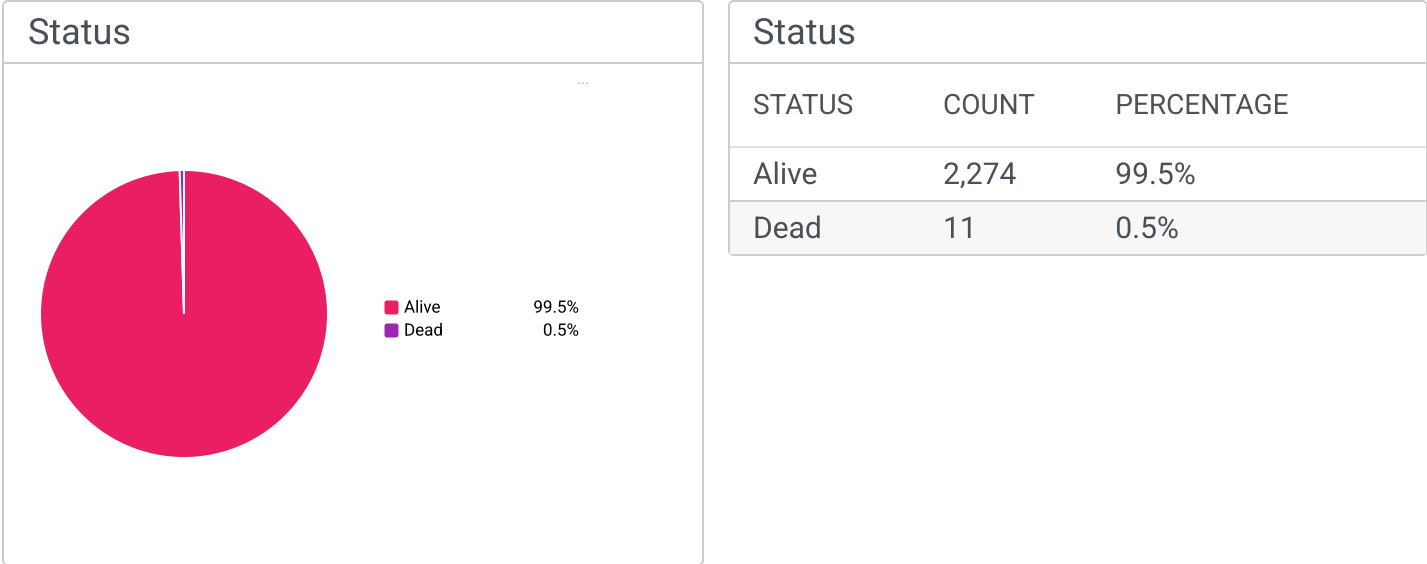


Trees by Condition

CONDITION	COUNT	PERCENTAGE
Good	1,530	67.0%
Fair	548	24.0%
Poor	196	8.6%
Dead/Dying	11	0.5%

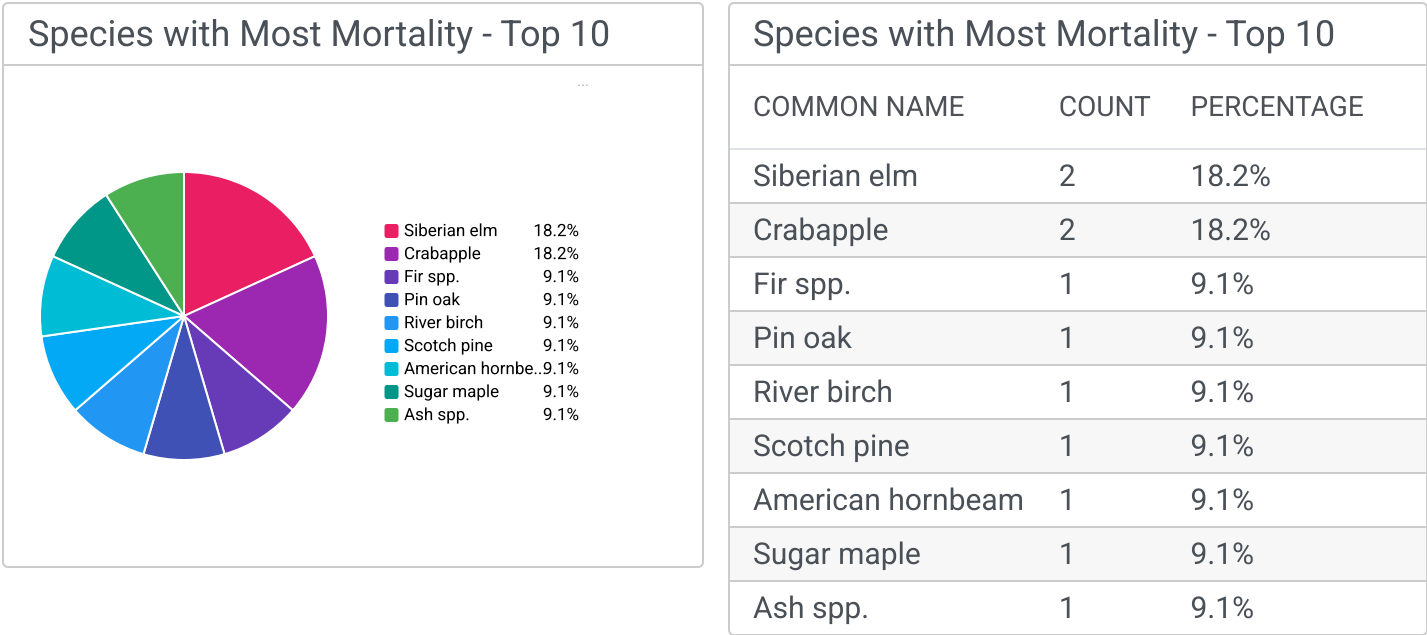
Notes for Status

Trees in the Dead status should be considered for removal.



Notes for Species with Most Mortality - Top 10

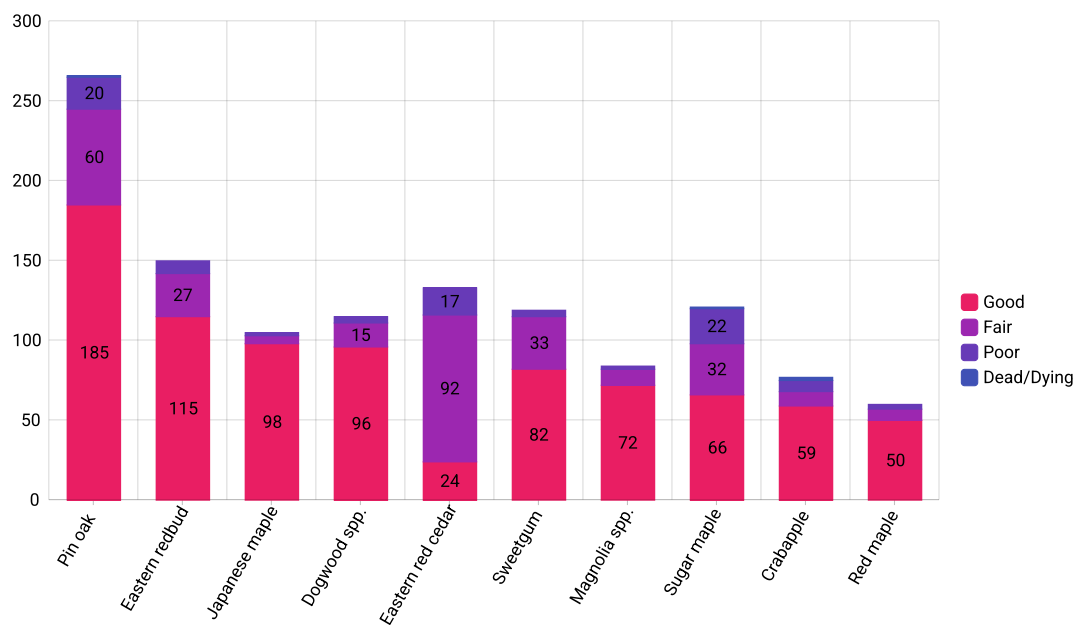
This chart and table shows the percentage and species of each dead tree within the data set.



Notes for Most Common Species by Condition - Top 10

Here you can see how condition varies based on the species recorded.

Most Common Species by Condition - Top 10

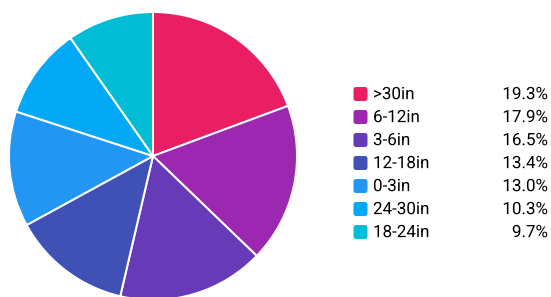


Tree Size and Composition Charts

Notes for Trees by DBH

The size distribution chart is labeled below. MEasurement was taken by the use of biltmore stick at breast height.

Trees by DBH



Trees by DBH

DBH RANGE	COUNT	PERCENTAGE
>30in	442	19.3%
6-12in	408	17.9%
3-6in	376	16.5%
12-18in	306	13.4%
0-3in	296	13.0%
24-30in	235	10.3%
18-24in	222	9.7%

Notes for Most Common Species by DBH Range - Top 10

Below you can see the size distribution by species.

Most Common Species by DBH Range - Top 10

