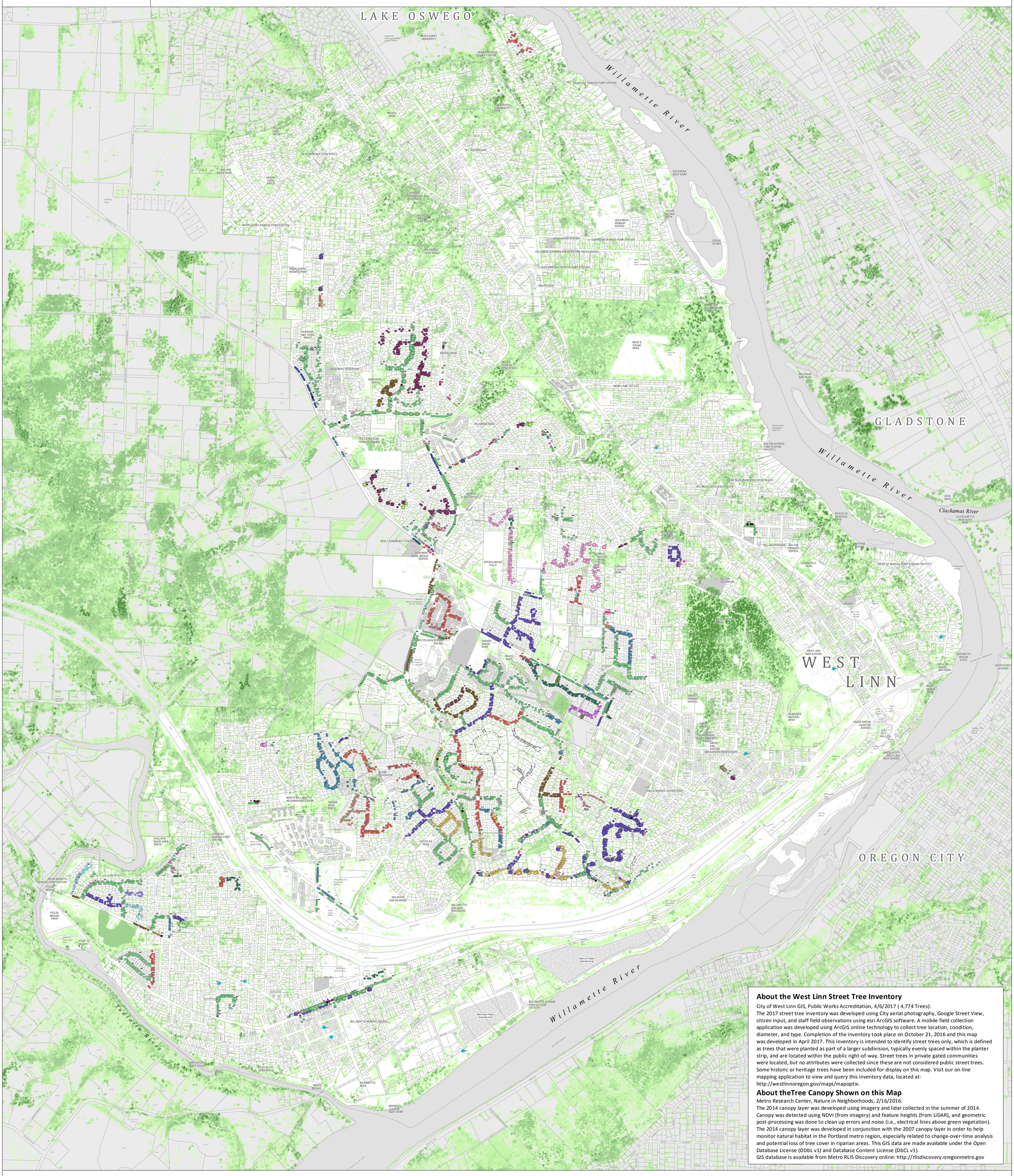
City of West Linn

PUBLIC WORKS ACCREDITATION APRIL 2017

Street Tree Inventory Map *with Tree Canopy Overlay*



About the West Linn Street Tree Inventory
City of West Linn GIS, Public Works Accreditation, 4/6/2017 (4,774 Trees):
The 2017 street tree inventory was developed using City aerial photography, Google Street View, citizen input, and staff field observations using esri ArcGIS software. A mobile field collection application was developed using ArcGIS online technology to collect tree location, condition, diameter, and type. Completion of the inventory took place on October 21, 2016 and this map was developed in April 2017. This inventory is intended to identify street trees only, which is defined as trees that were planted as part of a larger subdivision, typically evenly spaced within the planter strip, and are located within the public right-of-way. Street trees in private gated communities were located, but no attributes were collected since these are not considered public street trees. Some historic or heritage trees have been included for display on this map. Visit our on-line mapping application to view and query this inventory data, located at: http://westlinnoregon.gov/maps/mapoptix.

About theTree Canopy Shown on this Map
Metro Research Center, Nature in Neighborhoods, 2/16/2016:
The 2014 canopy layer was developed using imagery and lidar collected in the summer of 2014. Canopy was detected using NDVI (from imagery) and feature heights (from LiDAR), and geometric post-processing was done to clean up errors and noise (i.e., electrical lines above green vegetation). The 2014 canopy layer was developed in conjunction with the 2007 canopy layer in order to help monitor natural habitat in the Portland metro region, especially related to change-over-time analysis and potential loss of tree cover in riparian areas. This GIS data are made available under the Open Database License (ODbL v1) and Database Content License (DbCL v1).
GIS database is available from Metro RLIS Discovery online: http://rlisdiscovery.oregonmetro.gov

LOC: TREE_INVENTORY\TREE_INVENTORY_20170_FINAL_V3.MXD | KAHA | 4/6/2017

City of West Linn **GIS**
GEOGRAPHIC INFORMATION SYSTEMS

0 300 600 1,200 1,800 2,400 Feet

0 0.0625 0.125 0.25 0.375 0.5 Miles

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes.
Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Tax Lot Parcel Base Map source: Clackamas County GIS Tree Canopy: Metro RLIS Discovery
All other map layers and map production: West Linn Engineering & GIS

Map Legend

- Tax Lot Parcel Line & Road
- Structure
- Addresses (1232)
- Outside West Linn City Limits
- Private Road
- Unimproved Right-of-Way
- Stream
- West Linn City Limits
- River
- Pond
- City Owned Property

Tree Canopy
Shaded Range by Tree Height
Darker color, taller
Lighter color, shorter

MAP PUBLICATION: APRIL 6, 2017 BASE MAP DEVELOPED BY THE CITY OF WEST LINN GIS
CARTOGRAPHER: K. AHA GIS INVENTORY DATABASE: K.CAROLL AND L.NEBEKER
GIS DATA COORDINATE SYSTEM: NAD 1983 HARN STATEPLANE OREGON NORTH FIPS 3601 FEET INTL

Data Summary

Summary of Street Trees by Type

COMMON NAME	GENUS	MAP CODE (LABELED ON MAP)	NUMBER OF TREES	%
MAPLE	ACER	MP	1927	40%
ASH	FRAXINUS	AS	583	12%
PEAR	PYRUS	PE	545	11%
OAK	QUERCUS	OK	316	7%
LOCUST	GLEDITSIA	LO	227	5%
PLUM	PRUNUS	PL	189	4%
CHERRY	PRUNUS	CH	187	4%
LINDEN	TILIA	LI	178	4%
HORNBEAM	CARPINUS	HO	146	3%
SNOWBELL	STYRAX	SN	101	2%
BLACK TUPELO	NYSSA	BT	73	2%
REDBUD	CERCIS	RE	61	1%
BEECH	FAGUS	BE	46	1%
SWEETGUM	LIQUIDAMBAR	SW	36	<1%
DOGWOOD	CORNUS	DG	34	<1%
KATSURA	CERCIDIPHYLLUM	KA	29	<1%
ELM	ZELKOVA	EL	16	<1%
JAPANESE STEWARTIA	STEWARTIA	JS	16	<1%
APPLE	MALUS	AP	15	<1%
ARBORVITAE	THUJA	AR	10	<1%
GINKGO	GINKGO	GI	7	<1%
BIRCH	BETULA	BI	5	<1%
CEDAR	CEDRUS	CE	4	<1%
DOUGLAS FIR	PSEUDOTSUGA	DF	4	<1%
PINE	PINUS	PI	4	<1%
SPRUCE	PICEA	SP	4	<1%
HORSECHESTNUT	AESCULUS	HC	3	<1%
MAGNOLIA	MAGNOLIA	MA	3	<1%
WILLOW	SALIX	WI	3	<1%
MULBERRY	MORUS	MU	2	<1%

SYMBOL ON MAP

Summary of Street Trees by Condition

CONDITION	NUMBER OF TREES	%
GOOD	3745	78.1%
FAIR	987	20.6%
POOR	40	<1%
STUMP OR DEAD	20	<1%
NOT RATED	2	<1%

Summary of Street Trees by Size (Diameter)

TREE DIAMETER (INCHES)	NUMBER OF TREES	%
6	2987	63%
12	1493	31%
18	222	5%
24	62	1%
30	5	<1%
36	5	<1%

Summary of Street Trees by Type and Size

COMMON NAME	GENUS	MAP CODE (LABELED ON MAP)	DIAMETER (INCHES)	NUMBER OF TREES	%
MAPLE	ACER	MP	6	1191	24.9%
MAPLE	ACER	MP	12	639	13.4%
PEAR	PYRUS	PE	6	429	9.0%
ASH	FRAXINUS	AS	6	326	6.8%
ASH	FRAXINUS	AS	12	195	4.1%
OAK	QUERCUS	OK	6	163	3.4%
LOCUST	GLEDITSIA	LO	6	144	3.0%
HORNBEAM	CARPINUS	HO	6	142	3.0%
OAK	QUERCUS	OK	12	140	2.9%
PEAR	PYRUS	PE	12	111	2.3%
PLUM	PRUNUS	PL	12	108	2.3%
SNOWBELL	STYRAX	SN	6	101	2.1%
LINDEN	TILIA	LI	12	92	1.9%
CHERRY	PRUNUS	CH	12	83	1.7%
MAPLE	ACER	MP	18	77	1.6%
LINDEN	TILIA	LI	6	73	1.5%
BLACK TUPELO	NYSSA	BT	6	72	1.5%
LOCUST	GLEDITSIA	LO	12	69	1.4%
REDBUD	CERCIS	RE	6	59	1.2%
CHERRY	PRUNUS	CH	6	57	1.2%
PLUM	PRUNUS	PL	6	55	1.2%
ASH	FRAXINUS	AS	18	48	1.0%
BEECH	FAGUS	BE	6	45	0.9%
CHERRY	PRUNUS	CH	18	35	0.7%
DOGWOOD	CORNUS	DG	6	33	0.7%
KATSURA	CERCIDIPHYLLUM	KA	12	26	0.6%
PLUM	PRUNUS	PL	18	24	0.5%
MAPLE	ACER	MP	24	18	0.4%
SWEETGUM	LIQUIDAMBAR	SW	6	17	0.4%
ELM	ZELKOVA	EL	6	16	0.3%
JAPANESE STEWARTIA	STEWARTIA	JS	6	16	0.3%
SWEETGUM	LIQUIDAMBAR	SW	12	14	0.3%
ASH	FRAXINUS	AS	24	14	0.3%
APPLE	MALUS	AP	6	13	0.3%
LOCUST	GLEDITSIA	LO	18	13	0.3%
CHERRY	PRUNUS	CH	24	11	0.2%
ARBORVITAE	THUJA	AR	6	10	0.2%
OAK	QUERCUS	OK	18	10	0.2%
GINKGO	GINKGO	GI	6	7	0.1%
LINDEN	TILIA	LI	24	7	0.1%
SPRUCE	PICEA	SP	6	4	0.08%
LINDEN	TILIA	LI	18	4	0.08%
PEAR	PYRUS	PE	18	4	0.08%
DOUGLAS FIR	PSEUDOTSUGA	DF	24	4	0.08%
CEDAR	CEDRUS	CE	6	3	0.06%
WILLOW	SALIX	WI	6	3	0.06%
BIRCH	BETULA	BI	12	3	0.06%
HORNBEAM	CARPINUS	HO	12	3	0.06%
MAGNOLIA	MAGNOLIA	MA	12	3	0.06%
HORSECHESTNUT	AESCULUS	HC	36	3	0.06%
BIRCH	BETULA	BI	6	2	0.04%
MAGNOLIA	MAGNOLIA	MA	6	2	0.04%
PINE	PINUS	PI	6	2	0.04%
APPLE	MALUS	AP	12	2	0.04%
PINE	PINUS	PI	18	2	0.04%
PLUM	PRUNUS	PL	24	2	0.04%
SWEETGUM	LIQUIDAMBAR	SW	24	2	0.04%
LINDEN	TILIA	LI	30	2	0.04%
KATSURA	CERCIDIPHYLLUM	KA	6	1	0.02%
MULBERRY	MORUS	MU	6	1	0.02%
BEECH	FAGUS	BE	12	1	0.02%
BLACK TUPELO	NYSSA	BT	12	1	0.02%
CEDAR	CEDRUS	CE	12	1	0.02%
DOGWOOD	CORNUS	DG	12	1	0.02%
MAGNOLIA	MAGNOLIA	MA	12	1	0.02%
MULBERRY	MORUS	MU	12	1	0.02%
HORNBEAM	CARPINUS	HO	18	1	0.02%
REDBUD	CERCIS	RE	18	1	0.02%
LOCUST	GLEDITSIA	LO	24	1	0.02%
OAK	QUERCUS	OK	24	1	0.02%
PEAR	PYRUS	PE	24	1	0.02%
CHERRY	PRUNUS	CH	30	1	0.02%
MAPLE	ACER	MP	30	1	0.02%
OAK	QUERCUS	OK	30	1	0.02%
MAPLE	ACER	MP	36	1	0.02%
OAK	QUERCUS	OK	36	1	0.02%

Street Tree Inventory Map Symbols

Tree Size Ranges

- 6-12 inch diameter
- Greater than 12 inch diameter

Other Trees Shown on Map

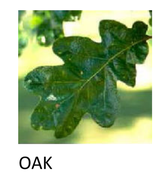
- Private or Non-Street Tree (206 Trees)
- Heritage Tree, Private (9 Trees)
- Trees with Poor Condition Rating (40 Trees)
- Stump or Dead Tree (20 Trees)

Four Most Common Street Trees in West Linn

MAPLE

PEAR

ASH


OAK

Reference: Portland Tree Inventory Program
http://www.portlandoregon.gov/parks/treeinventory

Street Tree Inventory by Type (4,774 Trees)

- Map is labeled with 2-letter code

- MAPLE, ACER, MP — 1,927 Trees
- ASH, FRAXINUS, AS — 583 Trees
- PEAR, PYRUS, PE — 545 Trees
- OAK, QUERCUS, OK — 316 Trees
- LOCUST, GLEDITSIA, LO — 227 Trees
- PLUM, PRUNUS, PL — 189 Trees
- CHERRY, PRUNUS, CH — 187 Trees
- LINDEN, TILIA, LI — 178 Trees
- HORNBEAM, CARPINUS, HO — 146 Trees
- SNOWBELL, STYRAX, SN — 101 Trees
- BLACK TUPELO, NYSSA, BT — 73 Trees
- REDBUD, CERCIS, RE — 61 Trees
- BEECH, FAGUS, BE — 46 Trees
- SWEETGUM, LIQUIDAMBAR, SW — 36 Trees
- DOGWOOD, CORNUS, DG — 34 Trees
- KATSURA, CERCIDIPHYLLUM, KA — 29 Trees
- ELM, ZELKOVA, EL — 16 Trees
- JAPANESE STEWARTIA, STEWARTIA, JS — 16 Trees
- APPLE, MALUS, AP — 15 Trees
- ARBORVITAE, THUJA, AR — 10 Trees
- GINKGO, GINKGO, GI — 7 Trees
- BIRCH, BETULA, BI — 5 Trees
- CEDAR, CEDRUS, CE — 4 Trees
- DOUGLAS FIR, PSEUDOTSUGA, DF — 4 Trees
- PINE, PINUS, PI — 4 Trees
- SPRUCE, PICEA, SP — 4 Trees
- HORSECHESTNUT, AESCULUS, HC — 3 Trees
- MAGNOLIA, MAGNOLIA, MA — 3 Trees
- WILLOW, SALIX, WI — 3 Trees
- MULBERRY, MORUS, MU — 2 Trees