



Salem Planting Projects Summary 2017-18

BACKGROUND

Five years ago, Friends of Trees and the City of Salem began working together to enhance the City's urban tree canopy and to restore its streambanks and riparian areas. This important work engages City residents and local volunteer groups to actively participate in planting trees in low tree canopy neighborhoods and a range of native plants along streams with limited shade.

Friends of Trees' partnership with the City of Salem is organized under three funding arrangements within the Public Works Department— a riparian planting contract, an upland planting contract, and a contract that covers the Minto Island Conservation Area and neighborhood plantings. The first agreement is with the Stormwater Quality Section, and the latter two are through the Planning & Development Section of Public Works.

These contracts between Friends of Trees and the City help meet the City's Community Forestry Strategic Plan goals of increasing tree canopy, focusing our efforts on low-canopy neighborhoods, engaging the public in tree planting projects, and establishing partnerships with other groups. The City's Clean Streams, Clear Choices riparian planting projects address City's regulatory goals under the Total Maximum Daily Load Plan and MS4 permit, namely reducing stream temperatures and non-point source pollutants while also providing important wildlife habitat, reducing erosion, and controlling the spread of invasive plants.



A calm, cloudy morning at Minto Island, 1/27/18

OVERVIEW

Friends of Trees' mission is to bring people together to plant, care for, and learn about trees in communities across the Pacific Northwest. Urban trees and native vegetation are key elements in creating and maintaining prosperous, healthy, and livable communities. FOT offers a suite of planting and maintenance services to help municipalities meet regulatory requirements and to help achieve tree canopy goals. Our work helps offset the urban heat island effect and impacts of climate change, contributes to urban stormwater management systems, and improves habitat for migrating and

resident wildlife in urban neighborhoods, natural areas, and the spaces in between.

Over the course of its 29 year history, Friends of Trees (FOT) has facilitated the planting of over 700,000 trees and shrubs from Clark County, Washington to Eugene, and from Forest Grove to the Sandy River Delta. The organization engaged more than 6,000 volunteers for over 38,000 hours of service last planting season alone—which comes to a value of nearly \$1 million!

The close of the 2017-18 planting season marks the completion of Friends of Trees' fifth full year of contracted work in the City of Salem. To date, FOT has planted over 20,000 trees and shrubs across the city—in parks, on public school grounds, and along City streets. In addition, we have recruited and coordinated over 2,200 community volunteers, at a value of over \$52,800, to carry out this work. With nearly 60 local volunteer Crew Leaders, FOT is looking forward to starting new and continuing ongoing tree canopy expansion and restoration projects in the 2018-19 planting season and beyond.



*2017 Crew Leader Training at Salem Audubon Reserve,
10/21/17*

VOLUNTEER RECRUITMENT

FOT's Volunteer & Outreach Program (VOP) fulfills a critical role within the organization, operating as the leading edge for volunteer recruitment for all community events. VOP works closely with other program staff to coordinate volunteer trainings and to ensure adequate volunteer turnout for all events. VOP relies on a variety of outreach methods including: hanging posters in prominent locations, listings on volunteer websites, and targeted outreach to high schools, colleges, youth groups, and reaching out to past volunteers. Program staff provides support to the volunteer recruitment effort by mailing postcards to immediate neighbors and by posting event signs at project sites in advance of plantings.

In addition to event recruitment, VOP produces a monthly newsletter specific to our key volunteers where useful information is shared regarding special event news, crew leading tips, and job and training opportunities. VOP and program staff work together to host a volunteer appreciation picnic at the end of each planting season to thank the folks who truly make our work possible. We also attend and table at a number of public outreach events each year including the Salem Public Works Day, Chemeketa Community College Earth Day, and the Engelwood Forest Festival.

FOT's first event of the 2017-18 planting season was our fourth annual Salem Crew Leader Training, where volunteers were trained how to plant various types of large and small tree stock and how to effectively lead volunteer planting crews. The hands-on portion of the training was held at the Salem Audubon Reserve in West Salem, where 112 trees and shrubs of three stock types were planted and mulched. Additional safety and procedural details were covered in a classroom session that followed, hosted at the Salem Family YMCA. A total of 40 volunteers attended—36 new Crew Leaders

and 4 returning—for a combined total of 231 hours of community learning.

NEIGHBORHOOD-BASED PROJECTS

Friends of Trees’ neighborhood plantings are premised on engaging nearby community members to foster a sense of community through planting trees together to improve their immediate neighborhoods. By planting trees in rights-of-way and on other public properties, neighborhood planting events advance local urban forestry goals to increase urban canopy, inspire greater awareness of the benefits of trees, kick-start neighborhood beautification, and strengthen community connections through shared experiences.

In 2017-18, we continued our work to grow tree canopy cover where it is needed most, in NE Salem—specifically, in the East Lancaster and North Lancaster neighborhoods. At the time of the City’s last canopy assessment (2010), these two neighborhoods had 11.7% and 12.3% tree canopy coverage, respectively (Salem Community Forestry Strategic Plan, 2014), both at just about 50% of the City’s canopy goal. This year, we planted 62 new trees next to Douglas McKay High School and at two City Parks –McKay School Park and Weathers Park (see Table 1).

Table 1 – 2017-18 Tree Species planted in neighborhood parks and streets

Hollywood Drive NE, adjacent to McKay High School

Common Name	Botanical Name	#
Bigleaf Maple	<i>Acer macrophyllum</i>	6
Chinese Fringe Tree	<i>Chionanthus retusus</i>	7
Amur Maackia	<i>Maackia amurensis</i>	11
Oregon White Oak	<i>Quercus garryana</i>	7

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McKay School Park

Common Name	Botanical Name	#
Bigleaf Maple	<i>Acer macrophyllum</i>	1
Chinese Fringe Tree	<i>Chionanthus retusus</i>	1
Amur Maackia	<i>Maackia amurensis</i>	1

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Weathers Park

Common Name	Botanical Name	#
Bigleaf Maple	<i>Acer macrophyllum</i>	4
Golden Rain Tree	<i>Koelreuteria paniculata</i>	5
Black Tupelo	<i>Nyssa sylvatica</i>	4
Ponderosa Pine	<i>Pinus ponderosa</i>	8
Oregon White Oak	<i>Quercus garryana</i>	2
Cascara	<i>Rhamnus purshiana</i>	5

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The new trees at McKay School Park and Weathers Park are situated in interior park locations where they have optimal conditions to attain mature size and to provide maximum community and ecological benefits. The 31 trees along Hollywood Dr. NE are in a more exposed location in a 15'+ wide planting strip in the City right of way adjacent to school property where they too will have ample room to grow both roots and spreading canopies. Friends of Trees will ensure that all large stock trees will be watered June-August for their first 3 summers. Alongside neighborhood residents, volunteers from the following groups joined our efforts: Chemawa Indian School, Chemeketa Community College biology class, Cub Scout Pack numbers 44, 103, and 321, DoubleTree Salem, Dutch Brothers, FCR, Jefferson High School National Honor Society, Western Oregon University's Kappa Delta Chi Sorority, New To Salem Meetup, Salem Hiking Meetup, Sprague High School Environmental Club, South Salem Interact Club, Willamette University, and the following groups from South Salem High School: Environmental Club, Key Club, and NHS. 2 Towns Ciderhouse sponsored the Eola Ridge Park planting, REI sponsored all three of the Minto Island plantings, and Portland General Electric sponsored the Weathers Park event. All sponsors brought groups to their planting events as well. The Weathers Park event was celebrated as the City's Arbor Day Planting.



A freshly planted Ponderosa at Weathers Park, 4/7/18



Planting trees on Hollywood Dr. NE, adjacent to McKay High School, 11/11/17

NATURAL AREA PROJECTS

Friends of Trees' natural area programming is focused on working with community volunteers to restore urban greenspaces through planting native trees and shrubs and performing stewardship activities. Most of these projects are located next to streams and are driven by watershed health directives; however, others are undertaken to increase urban canopy in public parks to create more shade and/or wildlife habitat, or along roadways to help filter out air pollutants and reduce stormwater runoff. In all cases, FOT's natural area work facilitates the restoration of appropriate plant communities to improve local ecosystems for the benefit of people and the environment. Further, FOT's restoration programming is a proven approach for engaging local residents to invest themselves in caring for urban green spaces and other relatively undeveloped public lands.

During the 2017-18 planting season, FOT hosted five volunteer restoration events at three project sites—Minto Island, Judson Middle School, and Eola Ridge Park. Please see Table 2 on the following pages for a complete listing of species installed.

The three events at Minto Island continue a multi-year conservation project, begun last season with 70 large-stock trees and shrubs by FOT contractors. This year's Minto Island public volunteer events installed a total of 6,000 small-stock plants alongside the multi-use trail to create a buffer between the path and the wetlands below. A total of 321 volunteers participated in the project.

This year's planting behind Judson Middle School expanded upon work begun last season to reclaim this underutilized area from Himalayan blackberry and English ivy. During the event, 1,200 native plants were installed by 62 volunteers.



A Chemawa student crew leader at Minto Island, 2/24/18



Happy planting volunteers at McKay High School, 11/11/17

At Eola Ridge Park, FOT continued our native plant enhancement work with the City through one planting event and one tree care. The Glenn-Gibson Watershed Council and Polk Soil & Water Conservation District also helped to promote these volunteer events. The planting focused on increasing native plant cover in the upland areas of the park. A total of 592 plants were planted by 57 volunteers, including 2 large-stock Garry Oaks along the park's edge. At the tree care event, 35 volunteers spread 11 yards of mulch around the trees and shrubs planted during the last two years.

Finally, FOT coordinated reforestation contractors to perform Himalayan blackberry, English ivy, and other weedy species removal at Judson Middle School, Woodmansee Park, and Eola Ridge Park.

In addition to planting and restoration work, FOT and the City partnered to host a public lecture by Dr. Kathy Wolf on the relationship between a healthy urban tree canopy and healthy people. A copy of the event flyer is included in the appendix.

Table 2 – 2017-18 Small-Stock Planting Details

Species Planted at Restoration Sites

Project	Date	Species	CommonName	StockType	Quantity
<i>Eola Ridge Park</i>					
	09-Dec-17				
		Amelanchier alnifolia	Western Serviceberry	5-gal.	5
		Cornus sericea	Red-Osier Dogwood	1-gal.	30
		Crataegus douglasii	Black Hawthorn	2-gal.	10
		Fraxinus latifolia	Oregon Ash	1-gal.	10
		Holodiscus discolor	Ocean-spray	2-gal.	50
		Lonicera involucrata	Black Twinberry	2-gal.	80
		Physocarpus capitatus	Pacific Ninebark	2-gal.	50
		Philadelphus lewisii	Mockorange	1-gal.	100
		Polystichum munitum	Sword Fern	1-gal.	50
		Quercus garryana	Garry Oak	7-gal.	2
		Ribes sanguineum	Red-flowering Currant	2-gal.	80
		Rosa nutkana	Nootka Rose	1-gal.	55
		Salix scouleriana	Scouler Willow	1-gal.	15
		Spiraea douglasii	Douglas's Spiraea	1-gal.	50
		Symphoricarpos albus	Common Snowberry	5-gal.	5
	Sub-total				592
<i>Judson Middle School</i>					
	10-Mar-18				
		Abies grandis	Grand Fir	Bareroot	50
		Asclepias speciosa	Showy Milkweed	Plug	50
		Gaultheria shallon	Salal	4" pot	100
		Geum macrophyllum	Oregon Avens	Bareroot	100
		Lonicera involucrata	Black Twinberry	Bareroot	50
		Mahonia nervosa	Low Oregon-Grape	Bareroot	100
		Physocarpus capitatus	Pacific Ninebark	Bareroot	100
		Polystichum munitum	Sword Fern	Bareroot	100
		Rhamnus purshiana	Cascara	Bareroot	50
		Rosa pisocarpa	Swamp Rose	Bareroot	150
		Rubus parviflorus	Thimbleberry	Bareroot	50
		Symphoricarpos albus	Common Snowberry	Bareroot	150
		Tellima grandiflora	Fringecup	Plug	100
		Thuja plicata	Western Red Cedar	Plug	50
	Sub-total				1,200
<i>Minto Island Conservation Area</i>					
	27-Jan-18				
		Amelanchier alnifolia	Western Serviceberry	Bareroot	100
		Cornus sericea	Red-Osier Dogwood	Bareroot	200
		Crataegus douglasii	Black Hawthorn	Bareroot	50
		Holodiscus discolor	Ocean-spray	Bareroot	200
		Lonicera involucrata	Black Twinberry	Bareroot	200
		Mahonia aquifolium	Tall Oregon-Grape	Bareroot	100
		Physocarpus capitatus	Pacific Ninebark	Bareroot	200

Project	Date	Species	Common Name	Stock Type	Quantity
<i>Minto Island Conservation Area continued</i>					
	27-Jan-18				
		Philadelphus lewisii	Mockorange	Bareroot	50
		Rhamnus purshiana	Cascara	Bareroot	25
		Ribes sanguineum	Red-flowering Currant	Bareroot	100
		Rosa pisocarpa	Swamp Rose	Bareroot	200
		Spiraea douglasii	Douglas's Spiraea	Bareroot	175
		Symphoricarpos albus	Common Snowberry	Bareroot	400
	Sub-total				2,000
	24-Feb-18				
		Alnus rhombiolia	White Alder	Bareroot	50
		Amelanchier alnifolia	Western Serviceberry	Bareroot	50
		Cornus sericea	Red-Osier Dogwood	Bareroot	200
		Holodiscus discolor	Ocean-spray	Bareroot	200
		Lonicera involucrata	Black Twinberry	Bareroot	150
		Mahonia aquifolium	Tall Oregon-Grape	Bareroot	100
		Physocarpus capitatus	Pacific Ninebark	Bareroot	100
		Ribes sanguineum	Red-flowering Currant	Bareroot	100
		Rosa pisocarpa	Swamp Rose	Bareroot	200
		Rubus parviflorus	Thimbleberry	Bareroot	150
		Sambucus cerulea	Blue Elderberry	Bareroot	50
		Salix lasiandra	Pacific Willow	Bareroot	50
		Spiraea douglasii	Douglas's Spiraea	Bareroot	200
		Symphoricarpos albus	Common Snowberry	Bareroot	400
	Sub-total				2,000
	24-Mar-18				
		Acer macrophyllum	Big-leaf Maple	Plug	50
		Amelanchier alnifolia	Western Serviceberry	Bareroot	50
		Cornus sericea	Red-Osier Dogwood	Bareroot	100
		Holodiscus discolor	Ocean-spray	Bareroot	150
		Lonicera involucrata	Black Twinberry	Bareroot	150
		Mahonia aquifolium	Tall Oregon-Grape	Bareroot	100
		Oemleria cerasiformis	Indian Plum	Bareroot	100
		Physocarpus capitatus	Pacific Ninebark	Bareroot	100
		Polystichum munitum	Sword Fern	Bareroot	100
		Rhamnus purshiana	Cascara	Bareroot	25
		Ribes sanguineum	Red-flowering Currant	Bareroot	100
		Rosa pisocarpa	Swamp Rose	Bareroot	200
		Rubus parviflorus	Thimbleberry	Bareroot	150
		Sambucus racemosa	Red Elderberry	Bareroot	100
		Spiraea douglasii	Douglas's Spiraea	Bareroot	125
		Symphoricarpos albus	Common Snowberry	Bareroot	400
	Sub-total				2,000

Table 3 – 2017-18 Event Statistics

Community Event Totals

Date	Event Name	# vols	# vol hrs	# small-stock plants	# large-stock trees	# mulch
10/21/2017	17-18 Crew Leader Training	40	231	110	2	1 yd ³
11/11/2017	Douglas McKay High School	75	193	0	31	3 yd ³
12/9/2017	Eola Ridge Park	57	166	590	2	
1/27/2018	Minto Island Conservation Area	147	386	2,000	0	
2/24/2018	Minto Island Conservation Area	112	334	2,000	0	
3/10/2018	Judson Middle School Planting	62	228	1,200	0	
3/24/2018	Minto Island Conservation Area	64	242	2,000	0	
4/7/2018	Weathers Park	84	223	0	28	3 yd ³
5/5/2018	Eola Ridge Park Tree Care	35	96	0	0	11 yd ³
12/13/2017	McKay School Park*	0	0	0	3	
TOTALS		676	2,099	7,966		18 yd³

* Planted by FOT staff (moved from Hollywood Dr. NE)

FUTURE WORK PLANS

Friends of Trees looks forward to continue sharing its planting and volunteer coordination services with the City of Salem in new parks and neighborhoods, as well as in those where the organization is already becoming known and established. Next planting season, FOT is excited to continue work at the Minto Island Conservation Area with three more public plantings and to continue our existing contract work with the City.

As demonstrated by volunteer attendance at all of our events, Salem’s residents are very interested and willing to give their time and energy to help grow their urban forest and care for their local streams. We are eager to continue inspiring local residents to take action for the health of our communities, shared waterways, and habitat for wildlife.

—Because trees make this place!



APPENDIX

Figure 1 – Friends of Trees 2017-18 Salem area planting calendar



Friends of Trees

2017-18 Salem Event Calendar

- 
- 10/21/17 - Crew Leader Training
 - 11/11/17 - Mckay High School
 - 12/9/17 - Eola Ridge Park
 - 1/27/18 - Minto Island Park
 - 2/24/18 - Minto Island Park
 - 3/10/18 - Judson Middle School
 - 3/24/18 - Minto Island Park
 - 4/7/18 - Weathers Park

For details visit: www.FriendsofTrees.org



Figure 2 – Friends of Trees Postcard for Minto Island Conservation Area events (front and back)

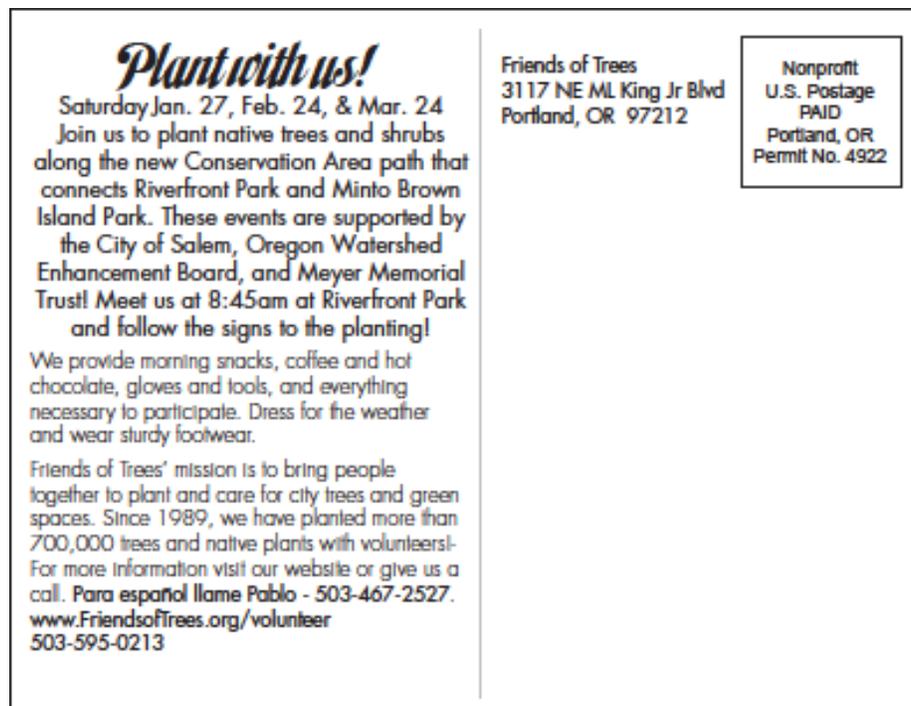


Figure 3 – Friends of Trees and City of Salem Trees & Health Lecture Series Flyer

FRIENDS of TREES Metro CITY OF Salem AT YOUR SERVICE Public Works Department WILDWOOD | MAHONIA Eugene Public Works Parks & Open Space

TREES & HEALTH: Growing the Solution

Join us! We will learn about exciting new nature and human health research impacting our community and how local agencies are promoting trees and health to improve livability in our region.

Dr. Kathy Wolf, visiting from the University of Washington, will share fascinating work on the interconnections between nature and health and how we can translate this research into community action.

Oregon-based nonprofit Friends of Trees will share recent and upcoming urban forestry and restoration projects that improve health and wellness in our cities.

Portland	Thu March 1st • 6:00–7:30 PM World Trade Center Bldg 2 • 26 SW Salmon St
Salem	Fri March 2nd • 6:00–7:30 PM Salem Public Library, Loucks Auditorium • 585 Liberty St SE
Eugene	Sat March 3rd • 5:30–7:00 PM Erb Memorial Union, 2nd Floor Ballroom • 1395 University St

Admission is free.
Pre-register online: WWW.FRIENDSOFTREES.ORG/TREES-AND-HEALTH

Dr. Kathy Wolf *University of Washington*
Dr. Kathy Wolf is a Research Social Scientist at the College of the Environment, University of Washington. She is also a research associate with the US Forest Service Pacific NW Research Station on urban forestry and stewardship studies. Dr. Wolf's research explores the human dimensions of urban ecosystems. She has also worked professionally as a landscape architect and as an environmental planner. Her professional mission is to discover, understand and communicate human behavior and benefits, as people experience nature in cities and towns. Moreover, Dr. Wolf is interested in how scientific information can be integrated into local government policy and planning. She has served with national organizations that promote nature in cities, such as the Transportation Research Board national committee on Landscape and Environment, the Sustainable Sites Initiative, and the TKF Foundation.

www.friendsoftrees.org/trees-and-health