

KING CONSERVATION DISTRICT

BUILDING URBAN FOREST HEALTH

KING CONSERVATION DISTRICT IS...



“We went from knowing nothing about our trees, to learning how to manage what is here and feeling confident in our ability to preserve the forest for future generations.”

– Alison Clemons



KCD FUNDING

Rates and Charges ~\$8-10 / parcel

- **Rural and Urban Forest Stewardship**
- **Rural Farm Management Services & Community Agriculture**
- **Shoreline & Riparian Habitat Improvement**
- **Member Jurisdiction & Regional Food System Grants**
- **Landowner Incentive Program Cost-share**



A group of six people, three men and three women, are standing in a field of tree stumps and young plants. The field is covered in brown mulch and has several small green plants growing. In the background, there are several residential buildings, including a prominent yellow one, and a parking lot with several cars. The sky is clear and blue. The text is overlaid on the image in a white, bold, sans-serif font.

**MEMBER JURISDICTION GRANT PROGRAM
(SEATTLE COMMUNITY PARTNERSHIP GRANTS)**

DELRIDGE WETLANDS RESTORATION

SHORELINES



LANDOWNER INCENTIVE PROGRAM

FINANCIAL INCENTIVE THROUGH COST-SHARE AND TECHNICAL ASSISTANCE

- **Ratio: 50%-90%**
- **\$10,000 - \$30,000**

- **236 King County
landowners with cost-
share contracts**
- **344 Best Management
Practices implemented**
- **\$1,964,661 invested in
local conservation**



BEAUTIFY + CARE FOR YOUR STREAMSIDE PROPERTY



17 Workshops Since 2016

239 Participants

Bellevue

Issaquah

Kenmore

Kent

Kirkland

Maple Valley

Newcastle

Redmond

Renton

Seattle

Shoreline

Woodinville



BETTER FORESTS

IN SEATTLE-

28% TREE CANOPY COVERAGE

63% AS SINGLE-FAMILY RESIDENTIAL

AREAS

RURAL FOREST HEALTH MANAGEMENT

PROTECT AND RESTORE FOREST COVER



RURAL FOREST HEALTH MANAGEMENT

FOREST STEWARDSHIP PLANNING SERVICES

- 51 Forest Stewardship Plans
- 39 Technical Assistance Services
- 6 Coached Forest Stewardship Courses
- 3 Forest Field Days
- 9 Twilight Tours



FOREST STEWARDSHIP PLAN

FOREST STEWARDSHIP PLAN



First Name Last Name
Street Address
City, State, Zip
Parcel ID# #####
breed



RURAL FOREST HEALTH MANAGEMENT

FOREST HEALTH PRESCRIPTIONS + COST-SHARE

- 31 landowners with forest health cost-share contracts
- 19 landowners with installed cost-share projects
- 294 acres of small lot private forest land treated
- (49.8 additional acres pending)
- 51,818 trees & shrubs planted
- \$512,520 LIP funds invested



JOB SHEET
Forest Stand Improvement
Tree/Shrub Site Prep & Establishment
(Forest Management)

Landowner:	Lifetime of Practice:
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*This Jobsheet must be attached to your completed application

Purpose (check all that apply)	
<input type="checkbox"/> Site preparation	<input type="checkbox"/> Tree/Shrub establishment
<input type="checkbox"/> Tree/Shrub stand improvement	<input type="checkbox"/> Restore native plant communities
<input type="checkbox"/> Long-term erosion control and improvement of water quality	<input type="checkbox"/> Increase the quantity and quality of forest products
<input type="checkbox"/> Wildlife habitat enhancement	<input type="checkbox"/> Other

Forest Management Practice and Details Provide the following: 1) a map delineating prescription area and sub-treatment areas if applicable; 2) acreage figures for treatment areas; 3) descriptions of current stand location and conditions, stand treatment plan, plant species to be used, plant spacing, and site preparation; 4) a project management timeline from your approved Forest Stewardship Plan.

1)
2)
3)
4)

Permits Are there any permits necessary for the project? If so, please list below and include a copy of the permit.

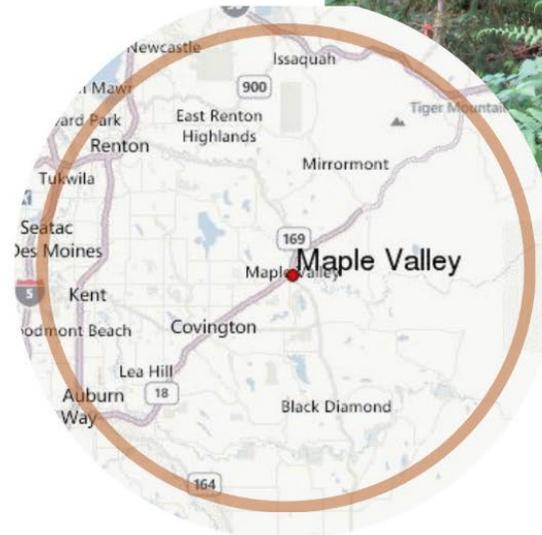
Landowner must comply with local, state and federal regulations and permitting requirements.
 1) Forest landowners may need a permit from the WA State DNR for forest management activities: <http://www.dnr.wa.gov/businesspermits/forestoractices/Pages/Home.aspx>
 Or
 From through the Forest Practices Rules, see the King County specifics here: <http://www.co.king.wa.us/property/permits/info/SiteSpecific/forest.aspx>
 2) There may be permits needed to apply herbicide near aquatic areas of their buffer. See the WA State Department of Ecology website for further details: <http://www.ecy.wa.gov/programs/wo/pesticides/>

Type and Source of Plant Material Will you use potted plants, bareroot plants, b&b plants or a combination? Where will you get the plants from and when?

Plant material will be native species adapted to the site to minimize maintenance and care.
 _____ the contractor, will plant bareroot plants that have been sourced from the Puget Sound. If additional plant material is purchased to augment the _____ planting, that material can be bareroot, live stake, potted

RURAL FOREST HEALTH - JOHN AND KATHY MATSON

**"I APPRECIATE KCD'S OUTREACH
TO FORESTED PROPERTY OWNERS. I
DID NOT HAVE TO BEAT DOWN
THEIR DOOR TO RECEIVE HELP -
THEY MADE THE PROCESS EASY TO
ACCESS AND WERE VERY
PROFESSIONAL" - JON MATSON**



FIREWISE



FIREWISE - REDMOND RIDGE COMMUNITY



FIREWISE - VASHON COHOUSING



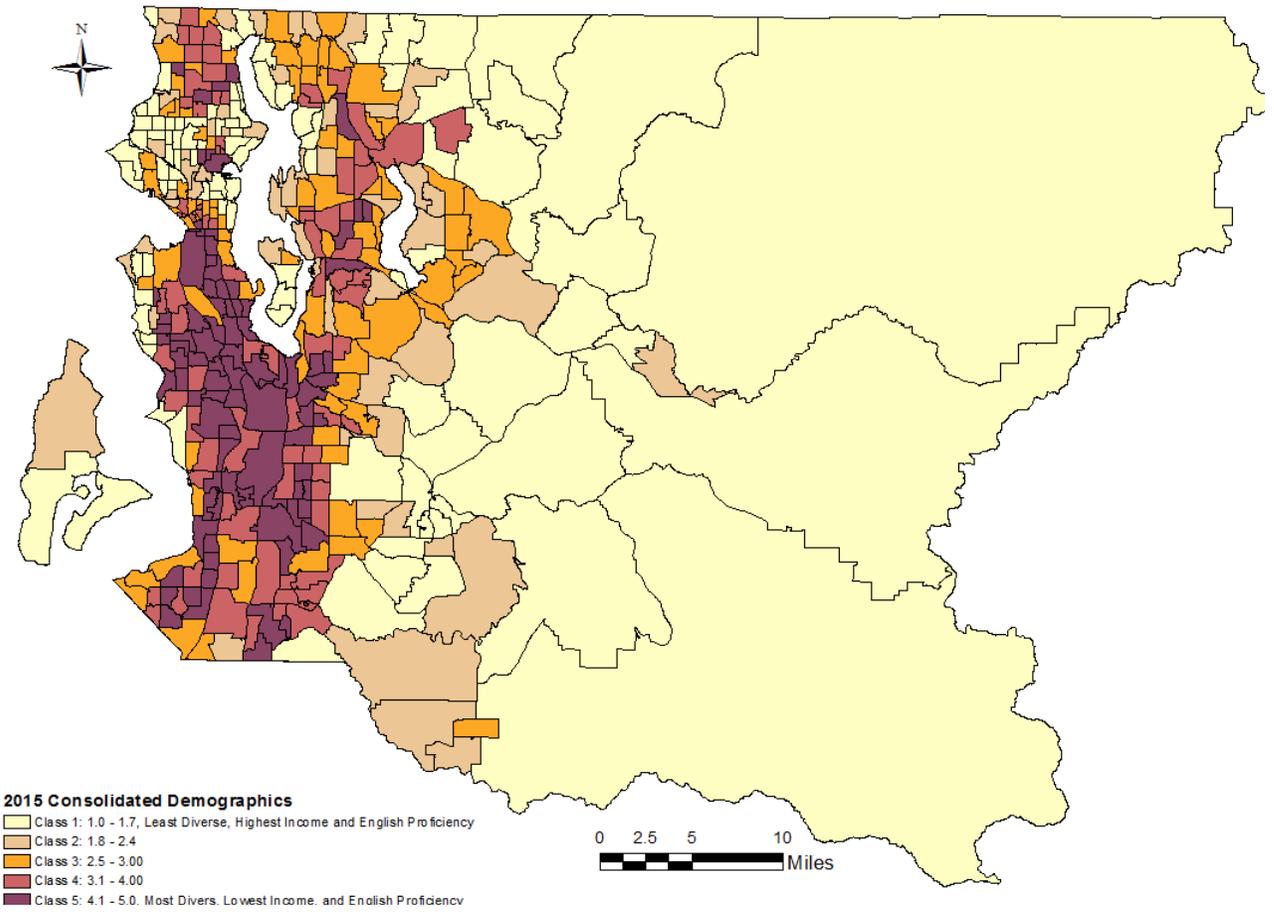
“Firewise provides us with tools for monitoring the 8 acres of forest and 4 acres of landscaping around our homes. The KCD Firewise Plan identifies priority measures for protecting our property and support for projects we may not otherwise implement.”

– Mark Musick, Vashon Cohousing Resident

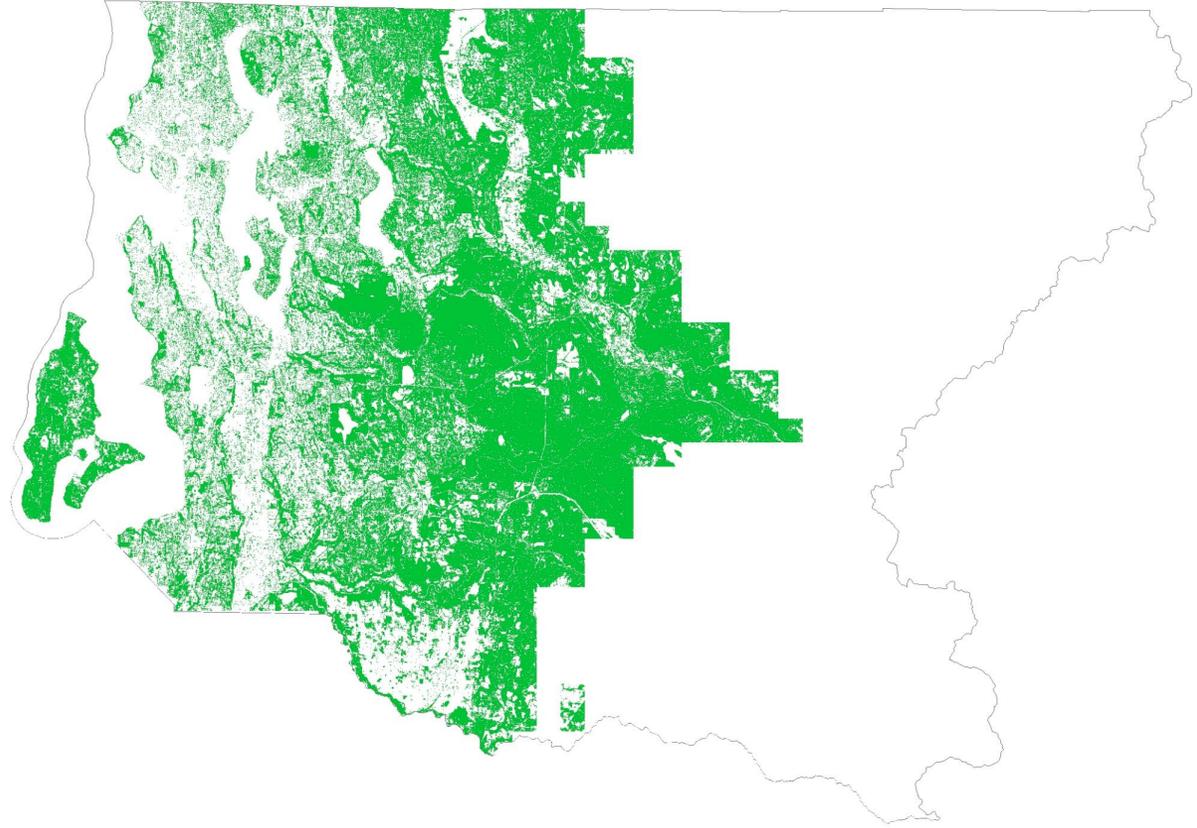
A CHANGING LANDSCAPE



INEQUALITY IN FORESTED ENVIRONMENT



King County 2016 Tree Canopy



A group of approximately 15 people, including men and women of various ages, are standing in a forest. They are dressed in casual outdoor attire like jackets, hoodies, and hats. The background shows tall trees and a ground covered in fallen leaves. The image has a semi-transparent white overlay on the left side where the text is located.

URBAN FOREST HEALTH MANAGEMENT

- **57.5 acres treated/planted**
- **62,518 trees & shrubs planted**
- **26 jurisdictions engaged**
- **19 landowners who installed projects**

URBAN FOREST HEALTH MANAGEMENT

WORK PLAN PRIORITIES

- **Landowner Literacy**
- **Provide Workshops**
- **Assist neighborhoods with technical support**
- **Support public-private partnerships**
- **Work with jurisdictions to explore partnership opportunities**



LAKERIDGE PARK/DEADHORSE CANYON - SEATTLE



LAKERIDGE PARK/DEADHORSE CANYON TOOLKIT

BACKYARD FOREST STEWARDSHIP GUIDE



HOA PILOT PROJECT - EAST VALLEY HEIGHTS



SOUTH KING COUNTY TREE CANOPY ASSESSMENT

COVINGTON, WASHINGTON TREE CANOPY ASSESSMENT



Covington's urban forest is a valuable asset that provides residents and visitors with many ecological, environmental, and community benefits. This assessment analyzed the City's urban tree canopy (UTC) and possible planting area (PPA) within five geographic boundaries. The results provide baseline data to develop strategies to protect and expand Covington's trees and natural areas during planning and development. The maps and project report help to concentrate efforts in areas where needs are greatest, tree planting space is available, and benefits can be realized.

LAND COVER

- 30% TREE CANOPY
- 17% NON-CANOPY VEGETATION
- 43% IMPERMOUS
- 9% SOIL & DRY VEGETATION
- 1% WATER

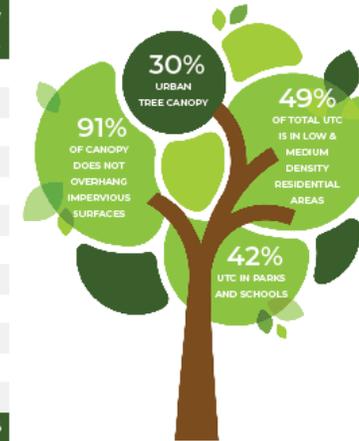


Note: Land cover percentages are based on total area. Urban tree canopy percentages are based on land area only.

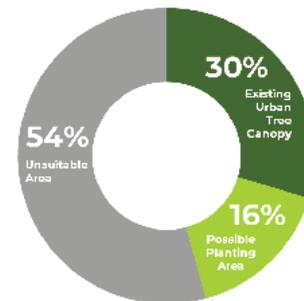
Assessment funded by the King Conservation District | Assessment conducted by Plan-It Geo, LLC | www.planitgeo.com | info@planitgeo.com

Tree canopy data were analyzed for Covington's future land use categories to determine the distribution of existing and potential urban tree canopy throughout the city. Parks, Recreational Facilities, and Schools had the highest canopy coverage at 42%, but 49% of all canopy in the City was found within Low- and Medium-Density Residential areas as well as 47% of all plantable space.

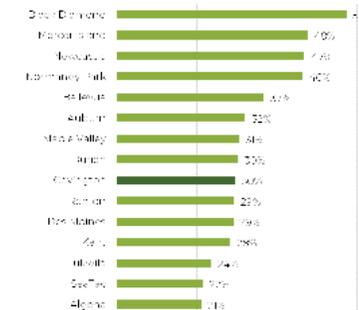
Land Use	Urban Tree Canopy		
	Acres	%	Dist.
Community Commercial	2	41%	0%
Downtown	60	16%	6%
Industrial	14	14%	1%
Lakepointe Urban Village	59	29%	6%
Urban Separator	83	40%	8%
Low Density Residential	254	41%	24%
Medium Density Residential	257	29%	25%
High Density Residential	133	31%	13%
MultiFamily Residential	6	28%	1%
Neighborhood Commercial	1	23%	0%
Parks, Recreation & Schools	176	42%	17%
Roadway	4	19%	0%
Totals	1,047	32%	100%



URBAN TREE CANOPY POTENTIAL IN COVINGTON, WASHINGTON



COMPARING URBAN TREE CANOPY IN KING COUNTY COMMUNITIES



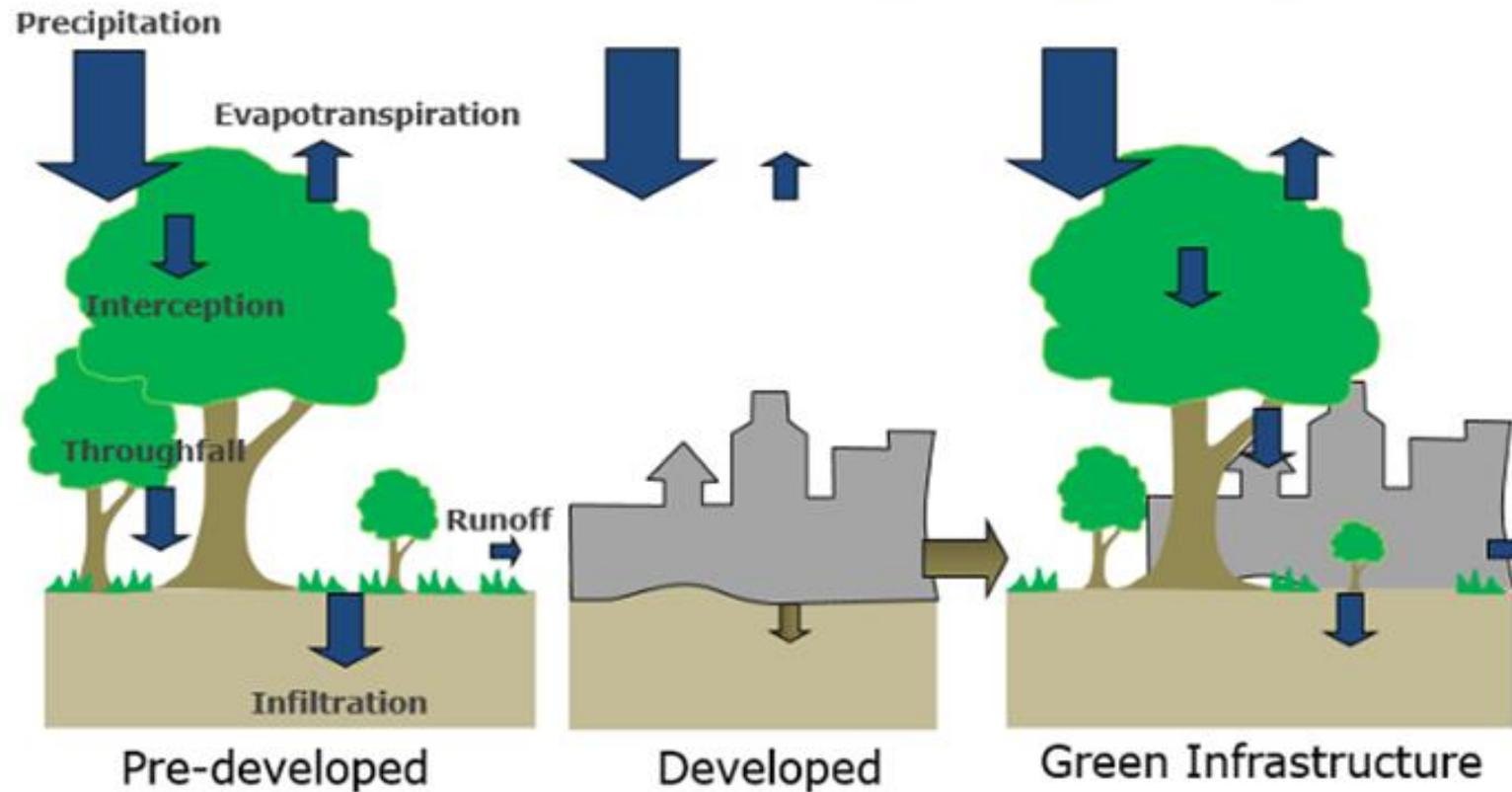
*Possible Planting Areas (PPA) were defined as vegetated areas without tree canopy and impervious surfaces such as parking lots and sidewalks. These areas may not be suitable for planting to increase canopy due to slope, views, soils, or other limitations. Field surveys to identify suitable planting areas are advised.



Assessment funded by the King Conservation District | Assessment conducted by Plan-It Geo, LLC | www.planitgeo.com | info@planitgeo.com

PROMOTING STORMWATER BENEFITS FROM URBAN CANOPY COVER IN PUGET SOUND

Natural vs. Disturbed Hydrological Cycle



PROMOTING STORMWATER BENEFITS FROM URBAN CANOPY COVER IN PUGET SOUND

Current Partners

- City of Arlington
- City of Kirkland
- City of Seattle
- City of Tacoma
- Futurewise
- King Conservation District
- King County Cities Climate Collaboration
- King County One Million Trees Initiative
- King County Stormwater Section
- The Nature Conservancy
- Pierce Conservation District
- Pierce County
- Puget Sound Conservation District Caucus
- Puget Sound Partnership
- Snohomish Conservation District
- Snohomish County
- Stewardship Partners
- Stormwater Engineering Representative
- The Russell Family Foundation
- USFS / Davie Institute i-Tree Development Team
- Washington Stormwater Center
- WA Department of Ecology

KCD IS ADAPTING FOR THE FUTURE



KING CONSERVATION DISTRICT

THANK YOU