WELCOME!

City of Sammamish Urban Forest Management Plan

What is the Urban Forest Management Plan?

The Urban Forest Management Plan (UFMP) is a **community-wide planning process** that will set the City's priorities for the **management, protection, and promotion of the urban forest.**

What does an Urban Forest Management Plan do?

- Creates a **shared community vision for the future** of the urban forest
- Establishes goals relating to the **health, management, and extent of the urban forest** and the **steps required to reach them**
- Highlights and incorporates information about the urban forest from data-gathering exercises, including a canopy cover study

Why is an Urban Forest Management Plan important?

- Promotes a shared vision for the urban forest across all City operations
- Communicates the value and benefit of trees to the City
- Identifies pathways to overcome challenges and take advantage of opportunities related to the urban forest
- Serves as a **foundation for future proactive management**

Project Timeline:

Spring 2018 — What Do We Have?

- Interviews
- Background Research
- **Commission & City Council Kick-Offs**
- **Canopy Assessment Completed (April)**

Summer 2018 — What Do We Want?

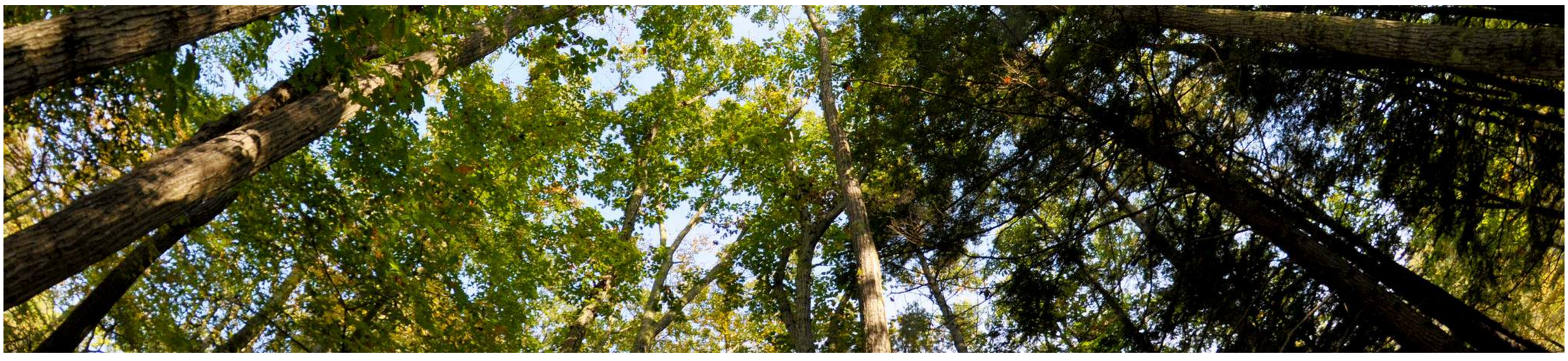
- Public Engagement
- **Commission Check-In (June 21)**
- **City Council (July 10)**

Fall 2018 — How Do We Get There?

- Goal Setting
- StoryMap
- Plan Development
- **Draft & Final Plan Review by Commissions & Council**

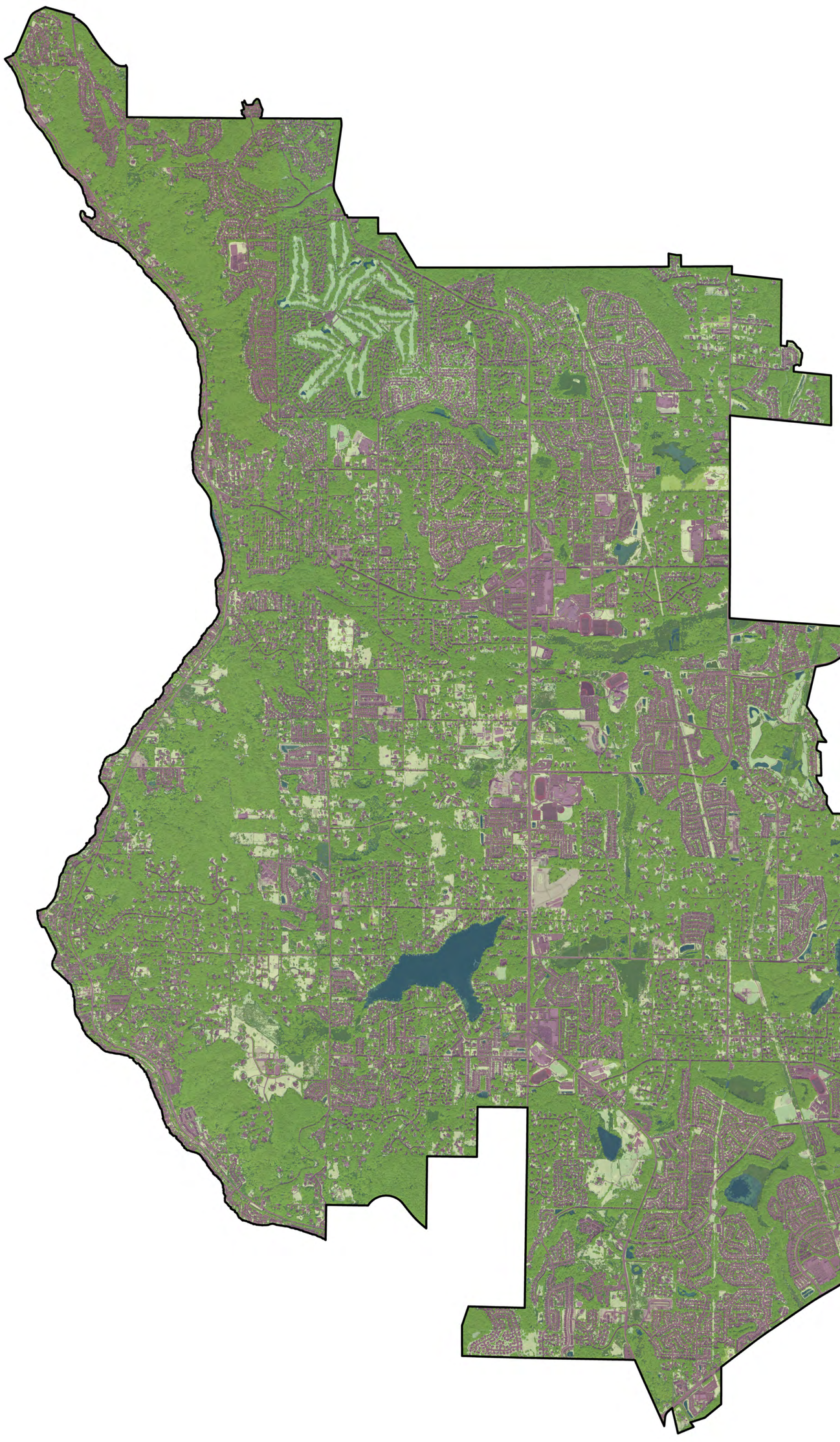
2019 & Beyond — How Are We Doing?

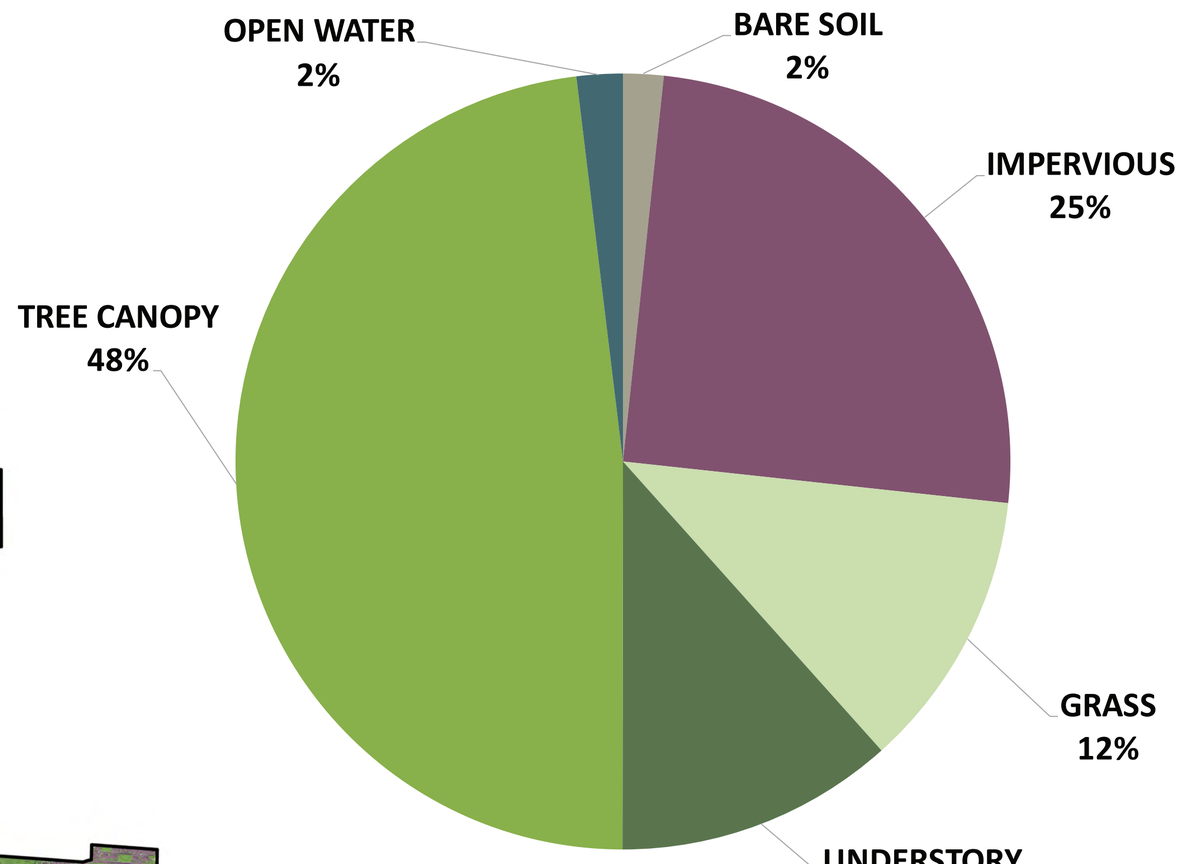
- Plan Adoption
- Plan Implementation



URBAN TREE CANOPY

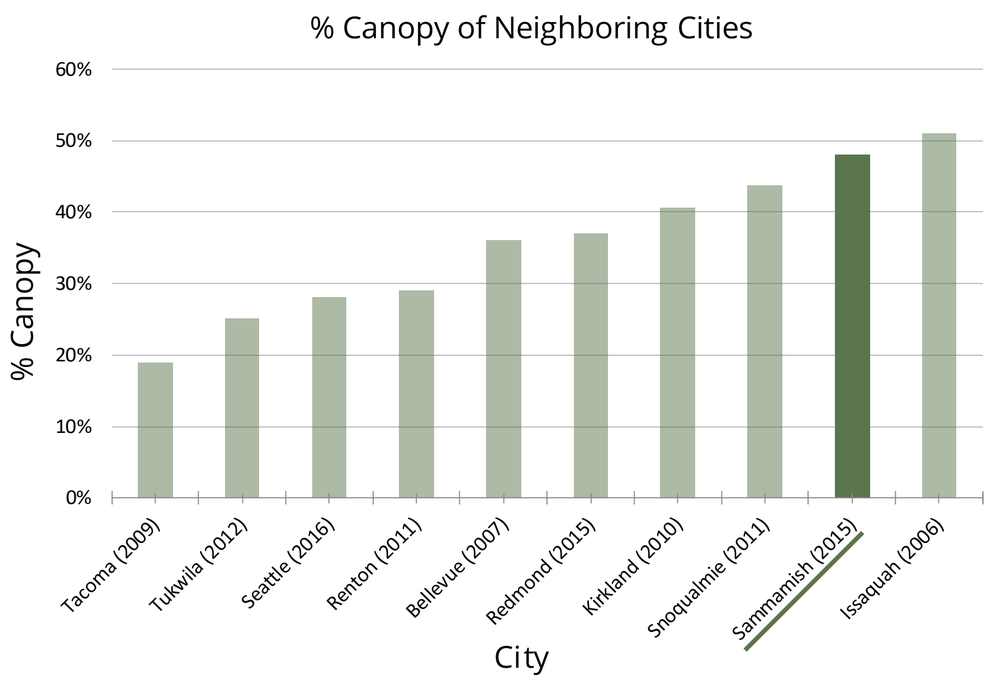
Sammamish's Current Canopy Cover is Estimated at 48%!





Maximum Canopy Potential is Approximately 60%

This theoretical maximum includes the area of preferred planting sites on existing grass/permeable surface and existing canopy.



What's Your Opinion? *Should it be a City priority to increase canopy cover?*

Yes! (top priority)

Yes, but.. (priority, but not *top* priority)

No (not a priority)

Doesn't matter to me

BENEFITS OF THE URBAN FOREST

The Many Ecological and Socioeconomic Services Provided by Trees

There are 5 important ways in which trees provide quantifiable benefits:

- Socioeconomic Benefits - *Improves natural aesthetics, builds community identity, improves property values*
- Water Quality - *Reduces erosion, facilitates rainfall interception, reduces stormwater runoff and flooding*
- Energy Savings - *Reduces energy demand, cools air, provides shading and lowers temperature*
- Air Quality - *Reduces air pollution*
- Carbon Sequestration - *Removes CO2 from atmosphere*

Annual Benefits - Tree Species at Different Sizes

Douglas Fir - *Pseudotsuga menziesii*

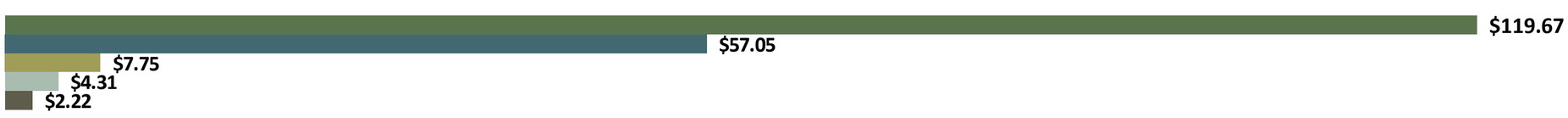
Large Stature, Coniferous

Mature Height: 80-160 Feet

Bigleaf Maple - *Acer macrophyllum*

Large Stature, Deciduous

Mature Height: 50–80 Feet



Red Maple - *Acer rubrum*

Medium Stature, Deciduous

Mature Height: 50 Feet

Purple Leaf Plum - *Prunus cerasifera*

Small Stature, Deciduous

Mature Height: 15-25 Feet

Go to **www.treebenefits.com** or **www.itreetools.org/design** to calculate the benefits of your urban forest!

i-Tree™

What's Your Opinion? *Which benefit provided by trees is most important to you?*

Air Quality	Carbon Sequestration	Energy Savings
Water Quality	Aesthetic Benefits & Property Values	Other

LAMINATED ROOT ROT

A Concern for Urban Forest Health in Sammamish?

What is Laminated Root Rot?

Laminated root rot is caused by the fungal pathogens *Phellinus weirii* and *Phellinus sulphuarscens*. It is the most damaging root disease affecting conifers in North America.

Signs and Symptoms

- Reduced height growth
- Yellow foliage
- Loss of foliage
- Distress of cones
- Slow crown decline
- Roots rotted
- Windthrown live trees

** Symptoms can take a **decade** to become obvious and visual diagnosis is notoriously unreliable*

Sammamish History

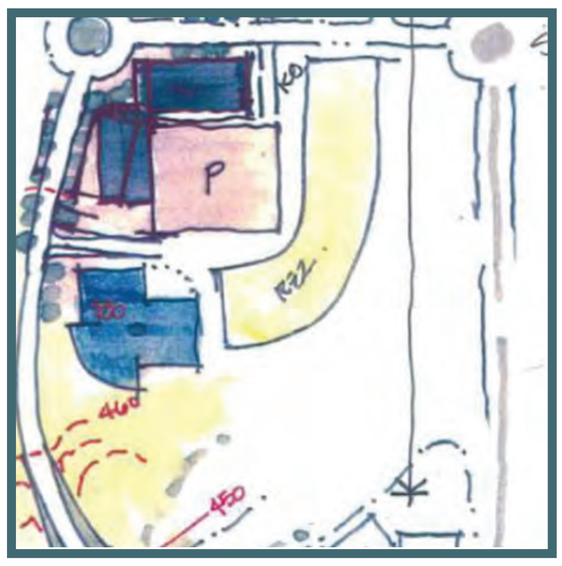
The status of Sammamish's forest today reflects past logging practices. The current range and infection rate of laminated root rot, which spreads when the roots of a healthy tree make physical contact with the roots or stump of an infected tree, are likely a legacy of logging.

Treatment Strategies *How can we stop laminated root rot from affecting our forest?*

- Early identification of infected areas
- Tree, stump and root removal
- Replanting with resistant species
- Monitoring

THE EVOLVING URBAN FOREST

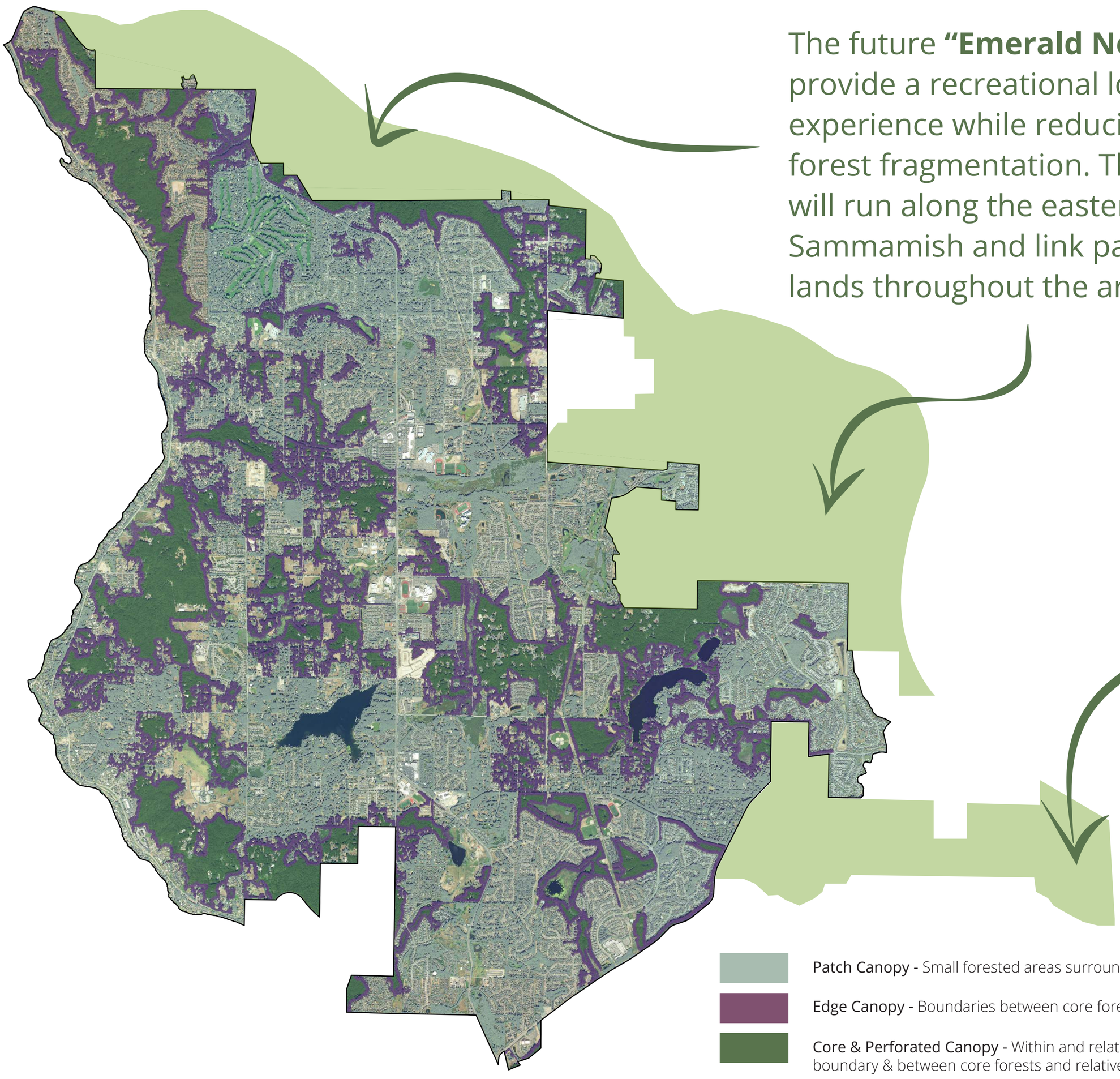
How will the UFMP lead to an improved urban forest?

Issue	Management Strategy	Outcome
 *Development & Construction*	*Tree Protection Planning*	 *Room for Big Trees!*
 *Invasive Pests & Disease*	*Monitor Urban Forest Health*	 *Early Detection & Mitigation!*
 *Climate Change*	*Plant a Diversity of Species*	 *A Resilient Forest!*
 *Storms & Severe Weather*	*Routine Inspection & Care*	 *A Sustainable Urban Forest!*

FOREST FRAGMENTATION

Making the Urban Forest a Home for Wildlife

The health of the urban ecosystem depends on the ability of trees, plants, wildlife, insects, and humans to interact as a *whole*. The health and diversity of the canopy can be improved by *creating linkages between multiple patches of forest.*



The future **"Emerald Necklace"** trail will provide a recreational loop trail experience while reducing the effects of forest fragmentation. The trail corridor will run along the eastern edge of Sammamish and link parks and public lands throughout the area.

Patch Canopy - Small forested areas surrounded by non-forested land cover.

Edge Canopy - Boundaries between core forests and large non-forested land cover.

Core & Perforated Canopy - Within and relatively far from the forest/non-forest boundary & between core forests and relatively small clearings within the forest.

Species Affected by Forest Fragmentation

Mule Deer
(*Odocoileus hemionus*)
Mule deer use the forested edge to forage for food in open meadows and hide in the core and perforated canopy.

Spotted Owl
(*Strix occidentalis*)
Despite federal protection beginning in 1990, the owl is still declining in the Northwest owing to habitat loss, fragmentation, and competition with Barred Owls.

Northwestern Salamander
(*Ambystoma gracile*)
Northwestern salamanders are found in a variety of moist habitats including open grasslands, woodlands and forests near freshwater sources. Spend most of their time underground or under rotting logs.

URBAN FORESTRY SERVICES

Caring for Trees in Sammamish

In 2017, urban forestry was estimated as <0.5% of the total city budget.

Public Works invested an estimated $364K to care for City **street trees**.

Street trees are trees growing on City right-of-way, typically adjacent to streets. They are managed by staff from the **Public Works** department.

Care Includes:

- Regular pruning for clearance (sidewalk and road)
- Removing hazards
- Planting trees
- Maintenance of sidewalk and planting space

Parks and Recreation invested an estimated $124K to care for **trees in City Parks**.

Park trees are trees growing in City parks and public properties. They are managed by the **Parks and Recreation** department.

Care Includes:

- Tree planting and establishment
- Routine maintenance

Community Development invested an estimated $30K for tree management on **private properties**.

Private trees are trees growing on private property. They are managed according to city code requirements administered by the **Community Development** department.

Care Includes:

- Investigating and resolving tree complaints
- Development plan review for compliance with tree protection codes
- Investigating and resolving infrastructure damage complaints

What's Your Opinion? *How satisfied are you with the City's current approach to tree care?*

Very Satisfied (no change needed)

Satisfied (care could improve)

Not Satisfied (tree care improvements needed in some departments)

Dissatisfied (improvements needed in all departments)

GET INVOLVED!

Here are some ways you can participate in the process:

Engage!

Photo Contest

Send us your snaps of Sammamish's great outdoors for a chance to win!
http://bit.ly/MySammamishForest

Online Community Survey

*Your input to the City will **help guide the plan development** and help us to better understand how the community values trees!*

Connect!

Farmers Market

Join us on **May 16th** and **May 30th** from **4:00 - 8:00 pm** *at the Sammamish Farmers Market!*

UFMP Updates

Sign up for email notifications on the City of Sammamish website!

#MySammamishForest

What's Your Opinion? *What types of urban forestry education would you like to see the City offer?*

Interpretive Trails and Displays

Online Resources

Seminars and Workshops

Guided Walks