



City of
Kelowna

City of Kelowna Phase 1 Engagement Summary Appendices

Sustainable Urban Forest Strategy Update

March 2023

1435 Water Street
Kelowna, BC V1Y 1J4
TEL 250-469-8610
FAX 250-862-3349
email@kelowna.ca

kelowna.ca

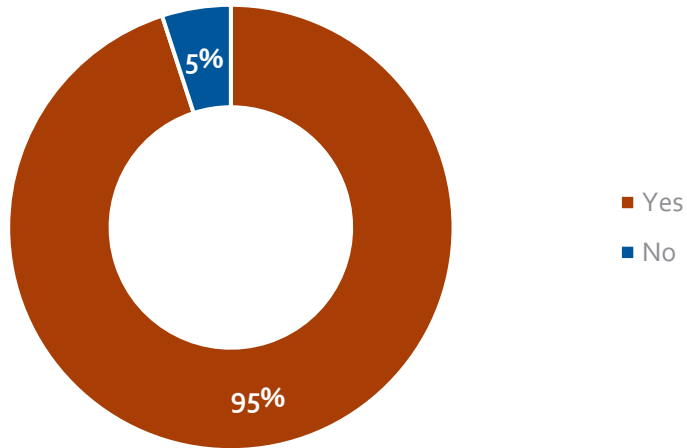
Table of Contents

Appendix A – Survey results.....	1
Appendix B – Mapping tool results.....	12
Appendix C – Stakeholder workshop boards.....	23

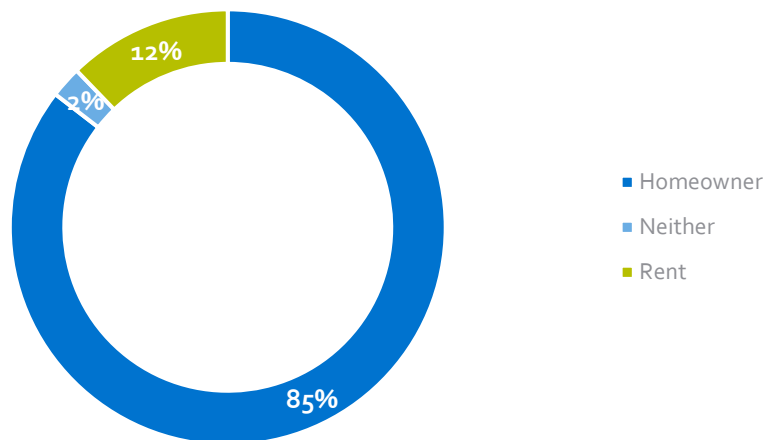
Appendix A – Survey results

Open-ended responses are included at the end of Appendix A.

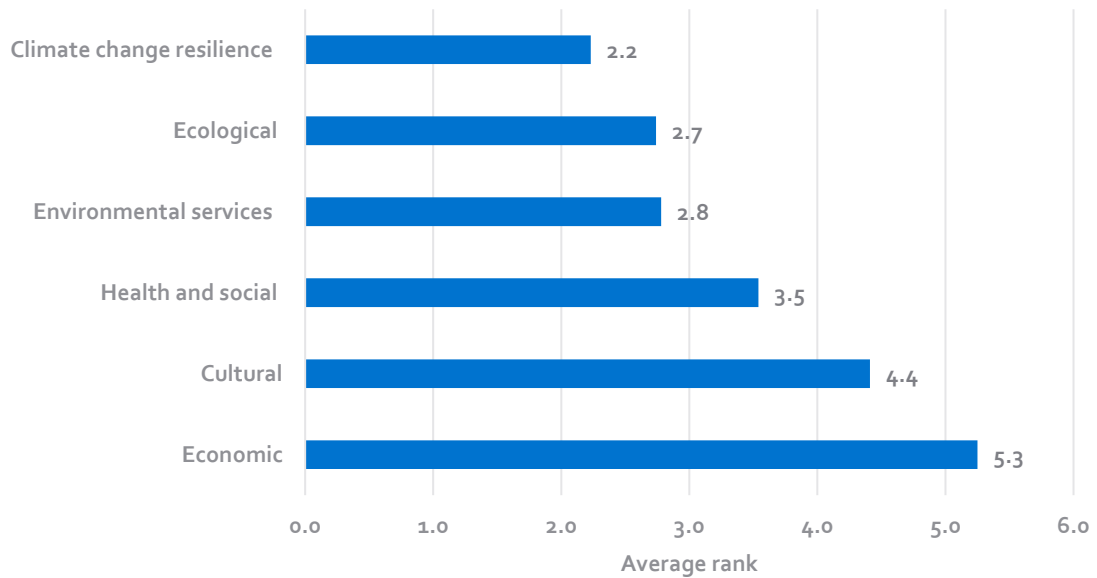
Are you a Kelowna resident?



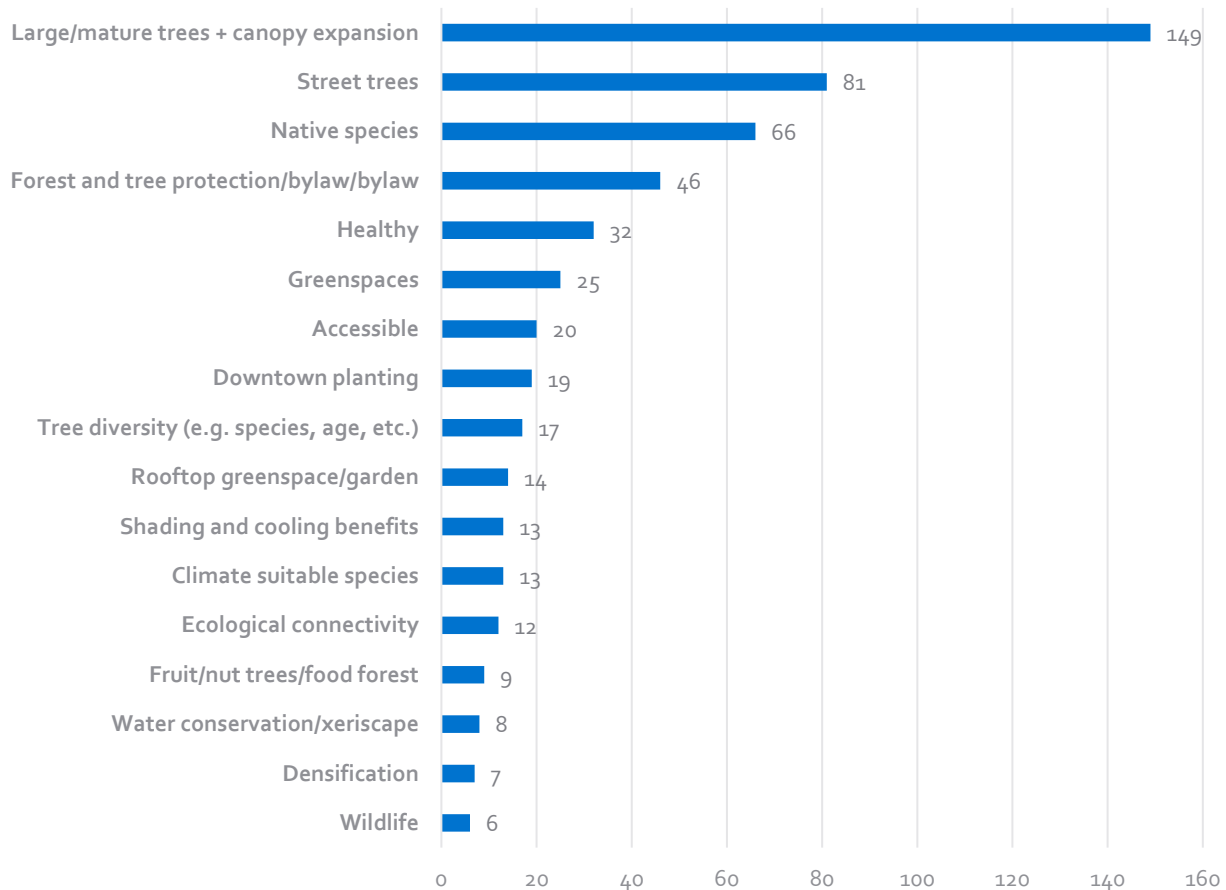
Are you a homeowner or do you rent?



What types of urban forest benefits are most important to you and your community? Please rank the following types of benefits from most (1) to least important (6).



Imagine it is 2040. What is your ideal image of Kelowna’s urban forest? – Common Themes



Please consider the following photos of trees along streets.



A. Few or no trees



B. Regularly spaced small trees



C. Regularly spaced, medium-sized trees



D. Mixed spacing and species, medium-sized trees

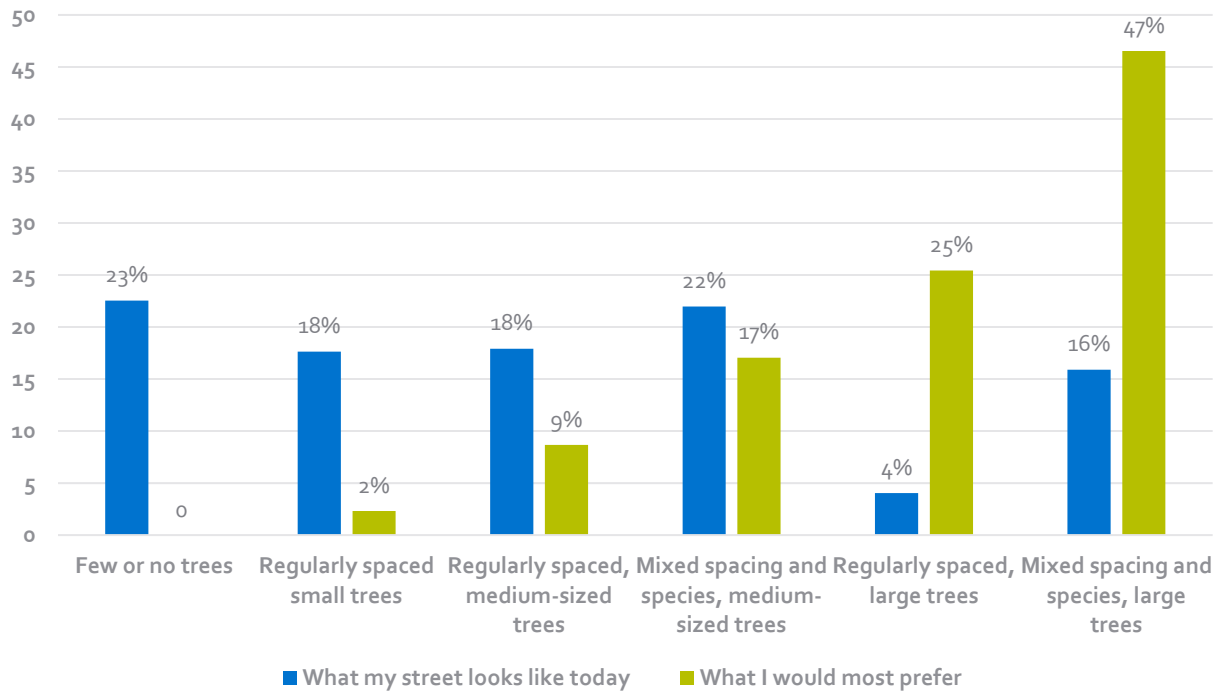


E. Regularly spaced, large trees

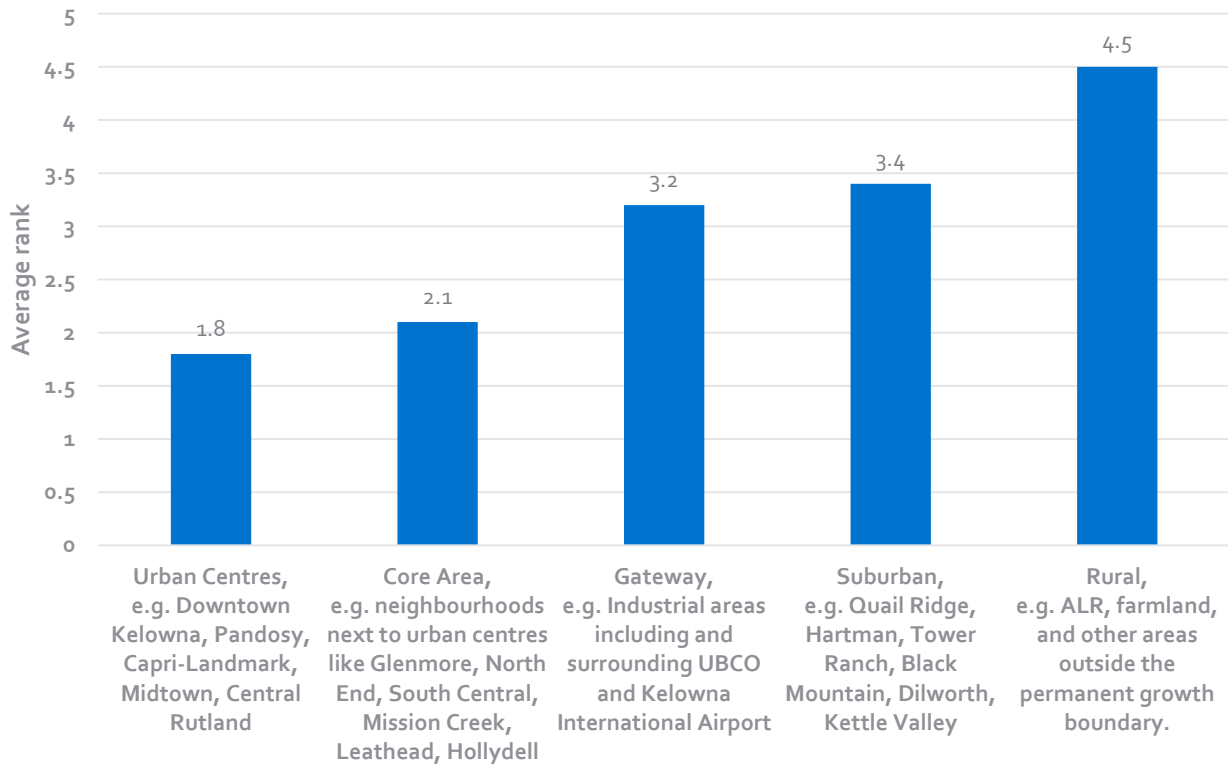


F. Mixed spacing and species, large trees

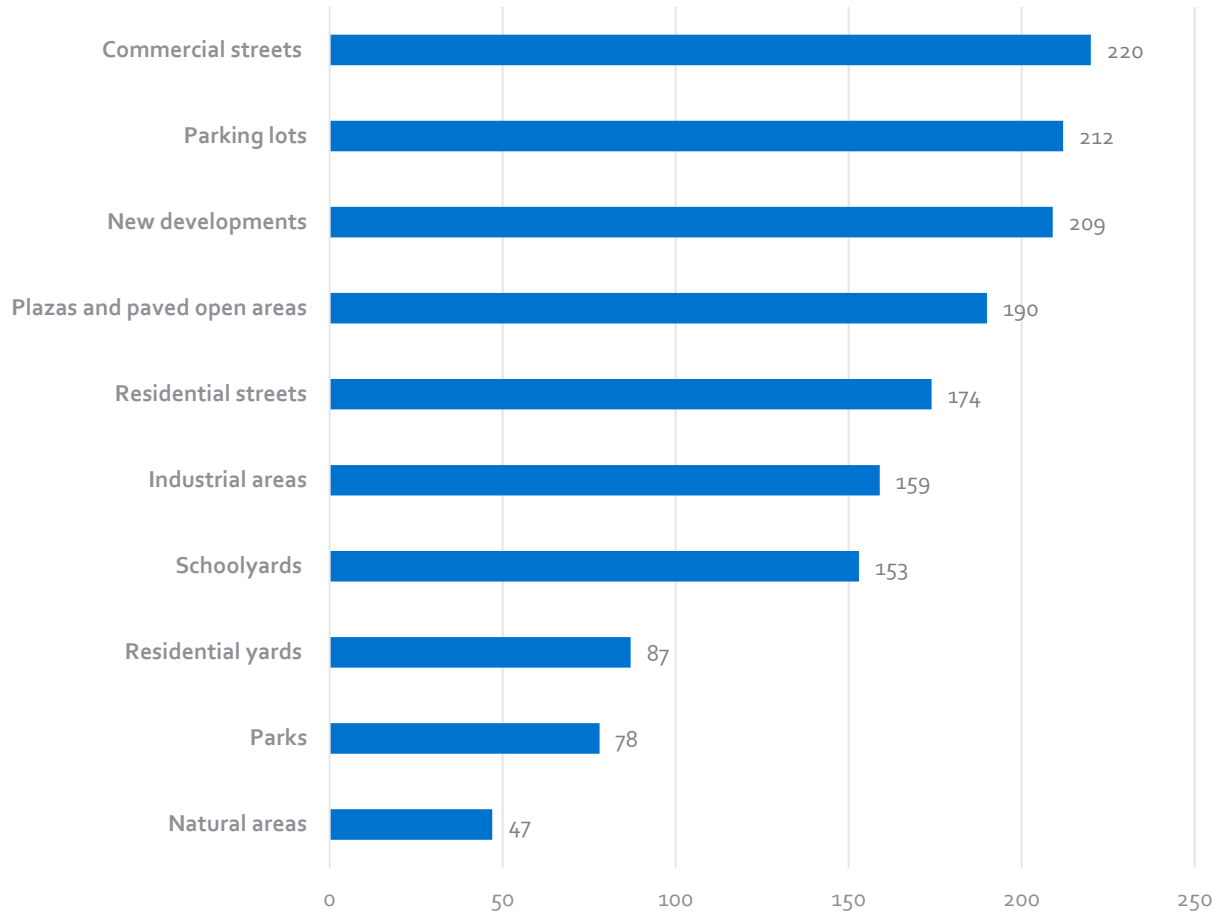
Select the picture (A-F) that your street currently looks the most like and what you want your street to look like.



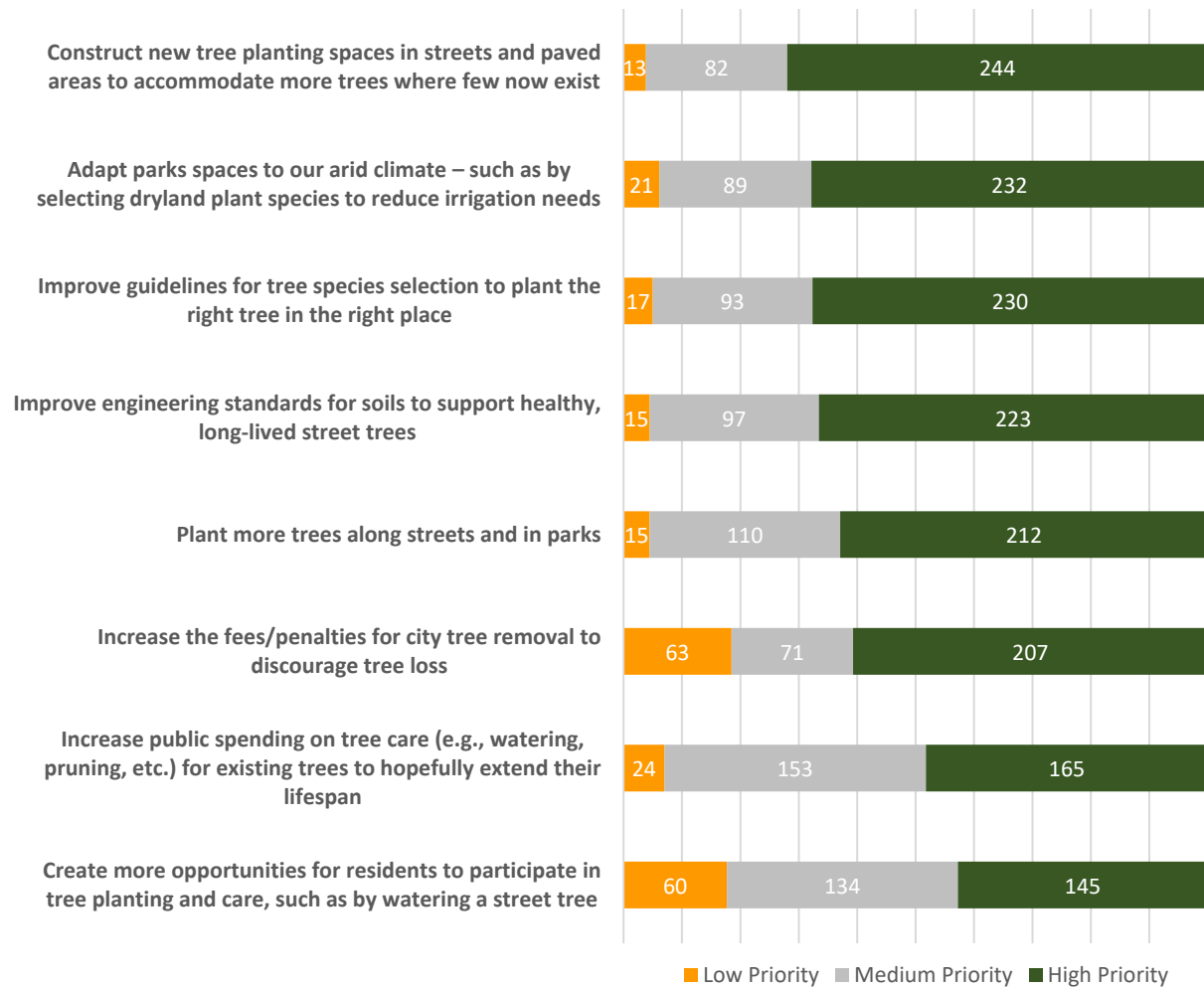
In what neighbourhoods do you think more trees should be planted? Please rank the following areas from most (1) to least important (5)



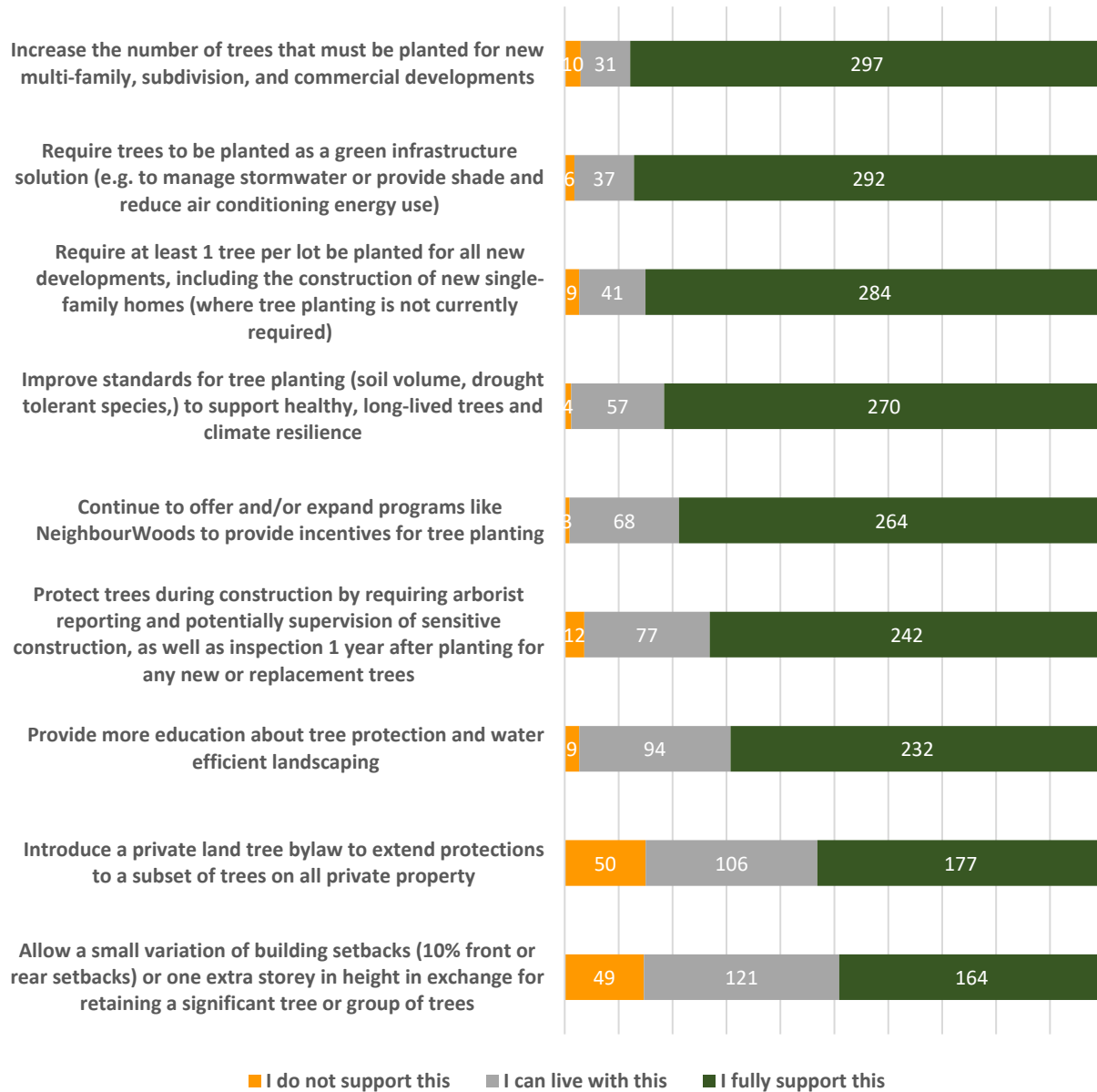
Where are trees missing from your top-ranked area?



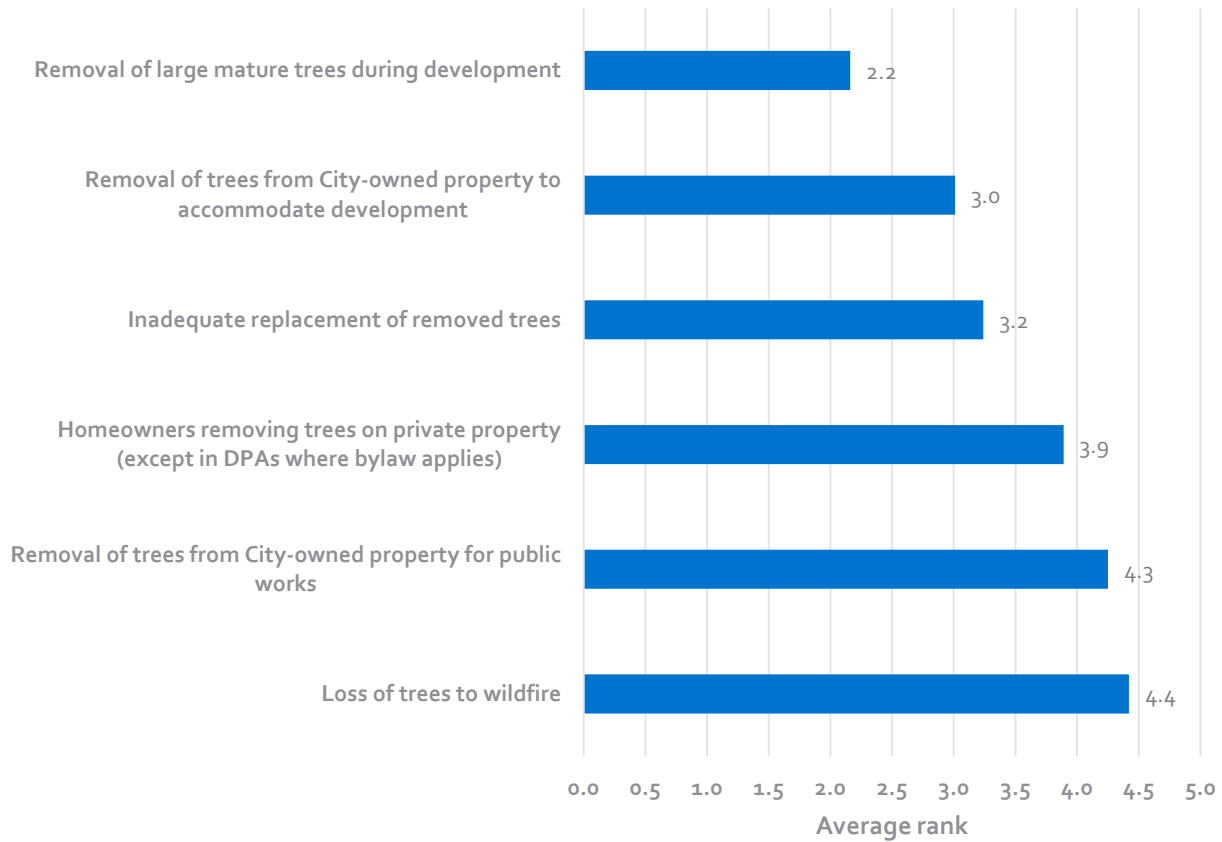
Please rank each of these based on whether they are a high, medium, or low priority to you. Where space allows on City-owned land, I would like Kelowna to:



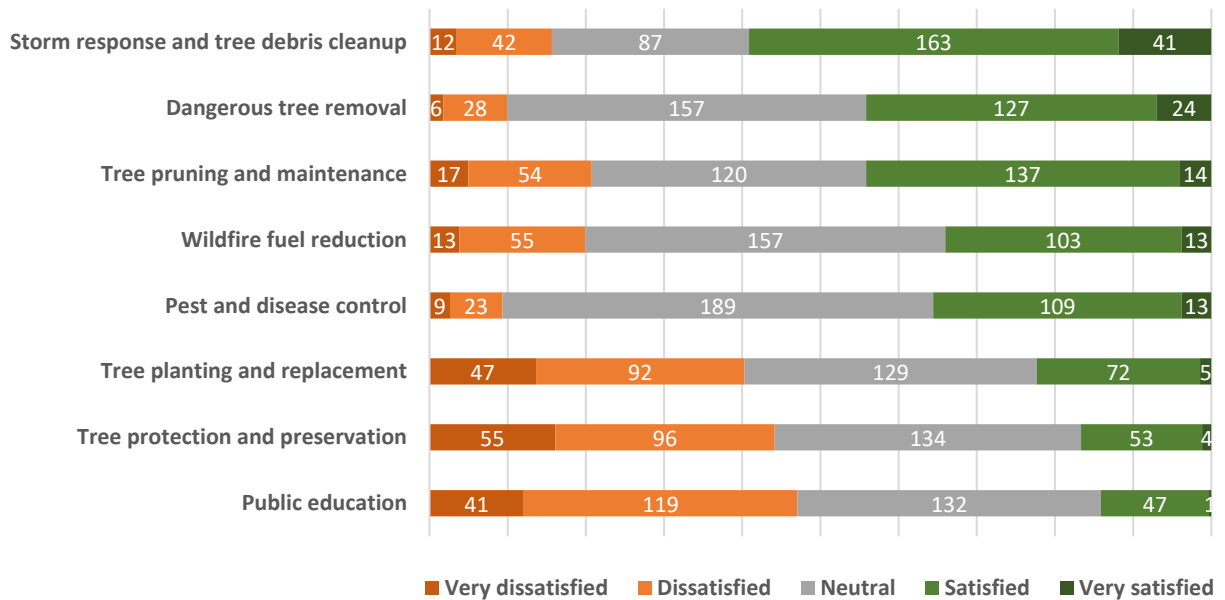
On private property, what actions would you support the City taking to improve the urban forest?



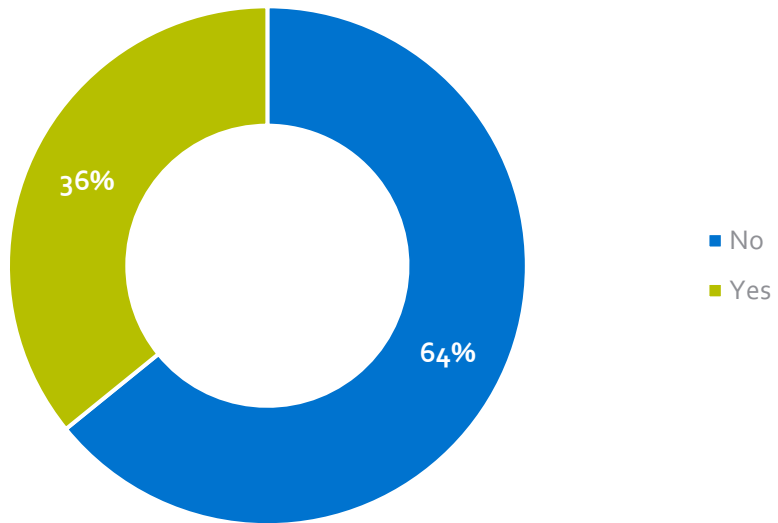
What are your biggest concerns with respect to tree loss on private land? Please rank the following options from 1 (most important) to 6 (least important).



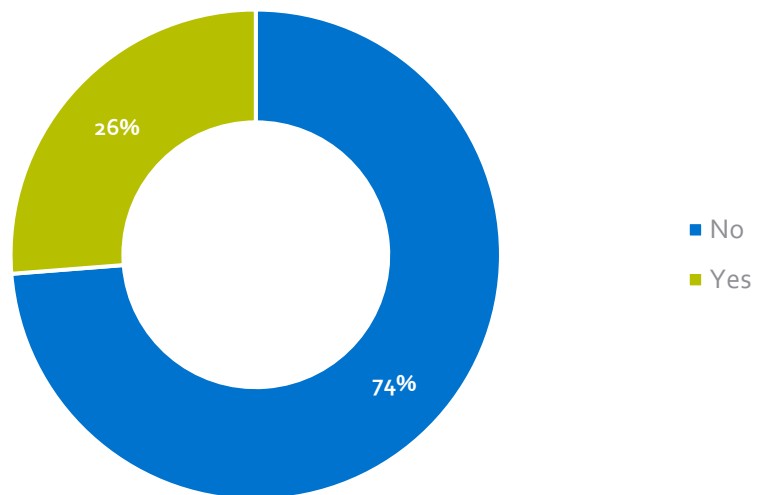
How satisfied are you with current levels of service provided by the City for:



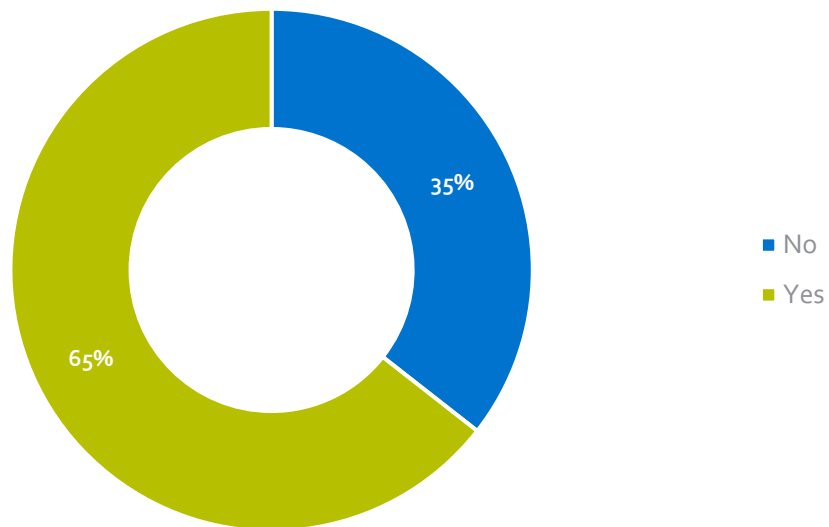
Have you ever watered a City-owned street or park tree in Kelowna?



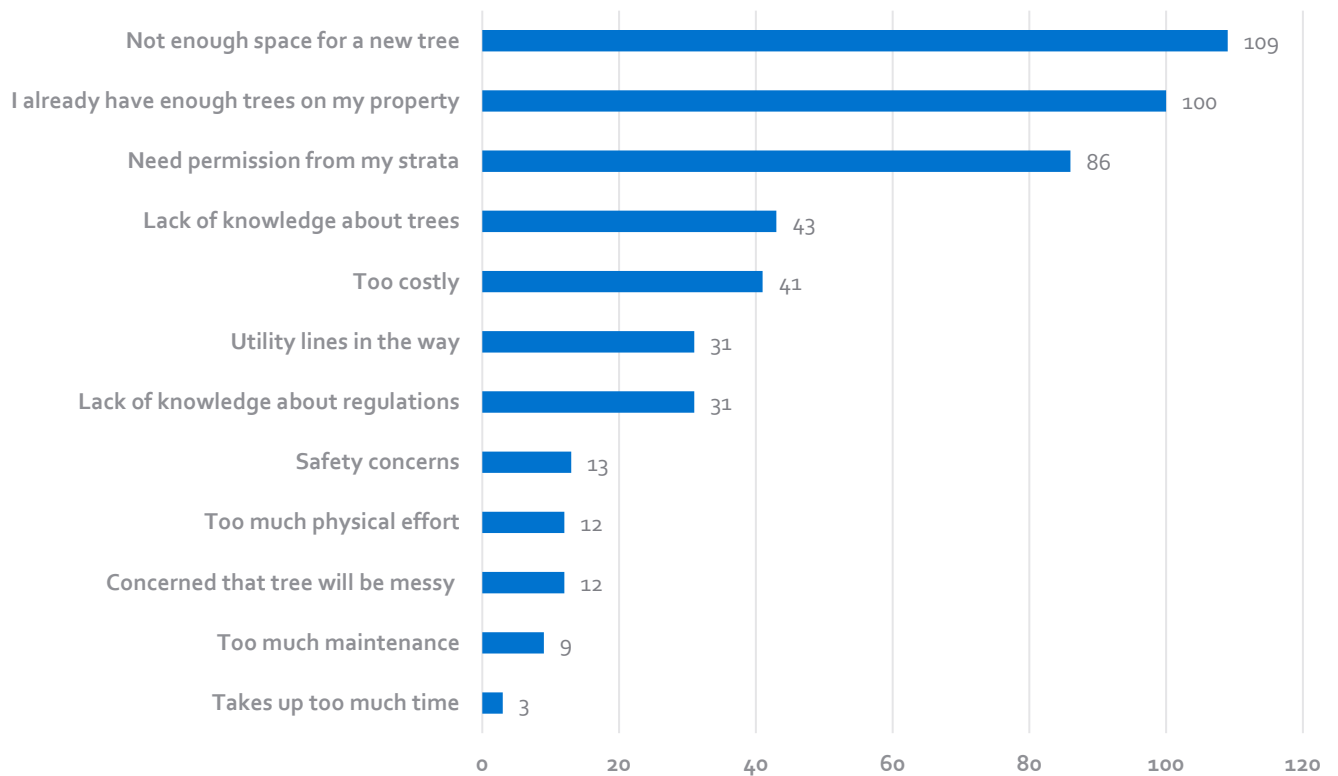
Have you bought a tree through the City of Kelowna's NeighbourWoods Program in the last five years?



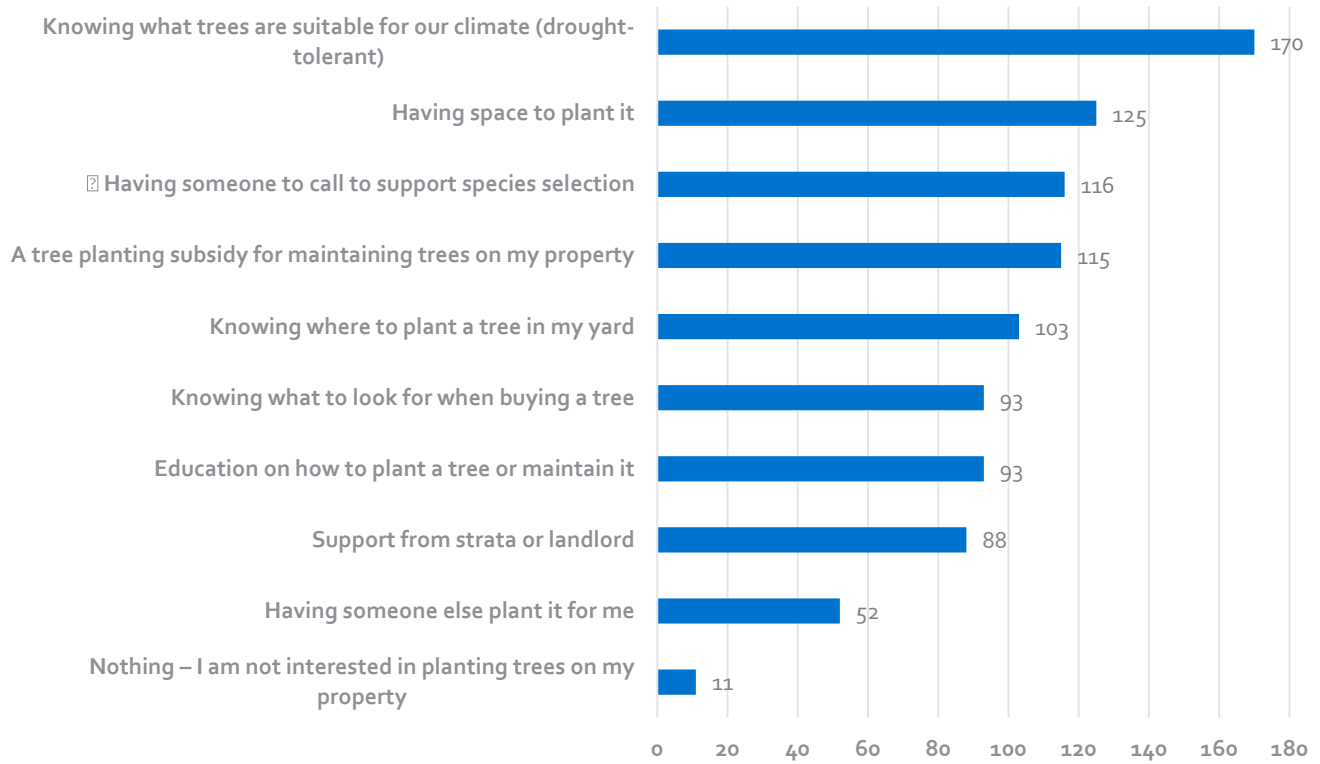
Have you planted at least one tree on your property in the last five years?



What barriers prevent you from planting and maintaining a tree (or additional trees) on your property?



What would encourage you to plant a tree or trees on your property?



Appendix B – Mapping tool results

Green pin - for marking urban forest locations that you value

**Each row corresponds to one pin. Rows with no text entry indicate a pin was submitted with no further comment.*

Comment	What do you want to improve at this location?
So many large old trees in the north end - it should be a high priority to retain and not kill them as development plans are underway	
So many large old trees in the north end - it should be a high priority to retain and not kill them as development plans are underway	
	It's important to protect its natural state.
I stumbled across this park while walking with a friend's baby and was so happy to find an easily accessible pocket of nature to explore. I believe this applies to every park and every bit of urban forest our city has!	Lots of animals and insects and harmony.
Thank goodness for this community garden and park! When we were forced to downsize, being able to get out in a bit of nature close by has been lifesaving.	This corridor is remarkably absent of green places to wander. One has to endure much exhaust and traffic to get anywhere pleasant on foot around here.
the trees along this path are so valuable in the summer heat. People sit on the benches in the shade and chat with neighbours.	
good design and plants are surviving	
This area is very well done! nice retaining large poderossa pines, and Balsam Arrowroot. Not many invasive species.	
good work with the dam replacement. Good replantings, but may need to consider edge vegetation tree replanting due to lower water level	

Comment	What do you want to improve at this location?
<p>nice uniform trees here. Nice aesthetic. But other places need more variety , lets get some native cedars and tamaracks too.</p>	
<p>Good job protecting this one large tree from development.</p>	
<p>Mt Baldy is a Kelowna Landmark and should be protected as a recreation/hiking area. This is a beautiful naturally unique area in the middle of the city. Acting as a buffer between residential and commercial zones. The trees here should be protected as well as the grasslands and marshes.</p>	<p>The trails are well used and appreciated by many residents of Kelowna. It could be another star of the RDCOs parks system. Possibly even the location for a new dog park as it is already used by many dog owners.</p>
<p>Too many old trees are being lost downtown to progress.</p>	<p>Old trees should be valued as heritage as much as the old buildings have been.</p>
<p>Great forested and grassland trails.</p>	<p>Maintained by volunteer groups. Could be an extension to the surrounding parks.</p>
<p>Black Mountain Regional Park.</p>	<p>Impressive new park! Love seeing the continued development and growth. Hopefully there will be even more areas like this protected around Kelowna.</p>
<p>Better maintenance, Brandts Creek Pathway is dangerous when it is windy, when multiple spruce trees have blown over and the large willows have had branches big enough to kill someone come down in the winds.</p>	
<p>I'm not sure exactly what this area is called, but it's a beautiful forested area I frequent during all seasons.</p>	
<p>The trails and forested area above Wilden are a rare gem.</p>	
<p>Shadow ridge and Kelowna Springs already have beautiful old trees with mill creek on the properties. Many different types of birds and turtles use these area's as nesting grounds and should not be allowed to be re zoned.Many of our seniors can walk these courses which keeps them fit and out of our medical system. So let's KEEP what we already have. Thanks Mark</p>	
<p>Mill creek and adjacent hillside near Hwy97/Enterprise</p>	<p>This is a beautiful and rare portion of urban wetland and ponderosa forest. It would be awful if a road were build through it.</p>
<p>Ponderosa/bunchgrass hillside ecosystem east of Dilworth/rail trail intersection</p>	<p>The okanagan sunflower display on this hillside is stunning, and it has great views and great potential for park space near the rail trail.</p>

Comment	What do you want to improve at this location?
Awesome forest!	CSRD needs to clean up the amount of fire fuel on the forest floor!
The trees on the Glenmore median feel like a luxury in our urban environment, and i hope we never lose them.	
The trees on the Glenmore median feel like a luxury in our urban environment, and i hope we never lose them.	
The trees that line Glenmore Road are a great joy to me when i sit on my balcony.	
This hillside above Glenmore Road is natural and wild and it is a great joy to me when i sit on my balcony.	
	Love this park and would like to keep it this way
	big bird-friendly trees
love these big trees on a hot day	
so pleased to see liquidambar trees planted here, looking forward to seeing them grow and show off their fabulous fall colours	
lovely to be in amongst all these big ponderosas	
love the variety of trees in this park	
appreciate the tree labels	
Very good owl habitat	Improve forest maintenance and quality of trails
The Mission Creek Greenway is an outstanding resource. Renewal efforts and maintenance work should be continued.	
Scenic Canyon is an outstanding park, with many excellent features: trails, forest quality and maintenance, access, interpretive signs.	
	Giant cottonwoods
Beautiful forested area. Lots of wildlife. Great for hiking and just clearing your head. Absolutely needs to be preserved	Trees need to be kept. No housing! We need these forested spaces
Best place in the world to free yourself of stress.	
I love this little park; please keep its pond and trees in good shape, thank you!	
A precious little gem; very thankful for this little green space!	

Comment	What do you want to improve at this location?
Love it!	
I greatly love and value this precious gigantic willow tree, and I implore you to designate it special status to always preserve it. She is simply magnificent!! Thank you!	
I love this park, and I hope you will continue to support and preserve the many wonderful unique trees it has. Thank you for a great job here!	
Love this bird sanctuary, thank you!	
A very special and valuable place, love it, thank you!	
Gorgeous precious park - love this place, thank you!	
Forested crown land but not cared for	This is forested crown land, but has had many issues with illegal dumping and camping. It could however bring a lot of value as a park. A picnic area, dog park or even cycling amenities as its a common area for road cyclists.
Love that lots of birds use this big tree	
Really appreciate how cool Mission Greenway is to walk or ride on a hot day	
	The beautiful park needs improving by adding more easily maintained trees, and a plan for when Benvoulin Rd is expanded. don't lose this precious space!
Ravine forested area	
The parking and access to the greenway is wonderful.	lower speed limits on roadway and early flashing lights. Cyclists to dismount o crossing here as most are inconsiderate speedsters.
I value this protected patch of nature so much. It is very close to where I live and provides a beautiful, quiet spot to watch many different animals	
This oak is so beautiful and I love that more have been planted around it. The mulch is practical and aesthetic too	
Mission Creek parkway area of woods with walking trails near EcoCentre	Maintain this greenspace
Woods with trails across Mission creek from the EcoCentre	A quiet place to walk among the trees

Comment	What do you want to improve at this location?
---------	---

<p>Deer, eagles, hawks and countless smaller animals use this area as their home. This is still a stand of pines that survived the fires, but is at risk from development. I would hope that it can be preserved.</p>	
---	--

<p>I see wildlife constantly traversing this corridor and it needs to be preserved or if possible, expanded to allow them to move even more freely.</p>	
---	--

<p>Love the views and the natural/accessible trails.</p>	
--	--

<p>Love the variety of ecosystems as you hike/walk this section of the Greenway.</p>	
--	--

<p>Beautiful mature trees on Bernard</p>	
--	--

<p>Cool exotic trees in Kasugai Garden</p>	
--	--

<p>Majestic Weeping Willows</p>	
---------------------------------	--

<p>I love the walk along Bellevue Creek and hope all the trees remain.</p>	
--	--

<p>Mature trees and shrubs includes a variety of wild life, located between 2 senior citizen residential areas. Shade, oxygen, walking paths, birds and natural, tranquil beauty. Helps to buffer traffic noise from KLO and Gordon Ave. Small in green space but huge in natural value.</p>	
--	--

	<p>Arboretum adjacent to the walking path is a great idea and seems like there could be some opportunities for future expansion.</p>
--	--

	<p>We'll maintained access corridor through mature deciduous forests easily accessible by all members of the general public.</p>
--	--

<p>I love the trees for shade and on a hot day it's a cooler space to be in. I have enjoyed how over the last few years we have been able to do tai chi in the park, felt so connected to the earth.</p>	
--	--

<p>When I saw this development go in many years ago, I wondered what had happened to the park of my childhood. This summer while exploring I realized the public still has access to this park even-though it looks like you are going on their private property. How overjoyed I was to see this persevered and as beautiful as ever. What a great example of a development that saw the beauty of the</p>	<p>I value the large trees, the shade they offer, the quiet space and that there are benches to sit and listen to the birds that live there.</p>
---	--

Comment	What do you want to improve at this location?
park around it and found a way to engage with it for all citizens to still enjoy.	
The off-leash dog park here could really use some shade on the South and windbreak on the North, please and thank you!	Some trees, please!
There is an incredible pond with numerous types of birds landing that I do not see anywhere else on Glenmore Ridge. I would like to see debris cleaned up from nearby small ponds, and ensure that with a portion of the land zoned for new Wilden developments, that the biodiversity will be maintained and the pond won't be cut at the edge with a house.	The diversity of birds. New developments nearby look nothing like the native plants found in the forest either.
Central mobile home park has numerous mature trees that should be protected from new development. This is a high value location.	The mature trees in this area are under threat without an expectation from the city they be protected.
Mature Trees along Casorso Road are under threat from development at Central Mobile Home park. These trees are an asset to the streetscape providing nature, shade, wind protection and a visual buffer along sidewalk. Even greater value with new separated cycling path going in.	Protect the trees along Casorso road. Add more trees along cycling corridors.
McKinley Beach area that was supposed to be expanded for more urban sprawl was found to be high value Poderosa Pine forest that needs to be protected	Stop sprawl development and urgently complete a natural assets assessment for our city before approving new greenfield development.
Lots of mature trees. We need to keep these	Redevelopment here would jeopardize many mature and well maintained trees. People living in this area care for the trees.

Red pin - for marking urban forest locations that need improvement

**Each row corresponds to one pin. Rows with no text entry indicate a pin was submitted with no further comment.*

Comment	What do you want to improve at this location?
Trees were removed here during the construction of the bike path but were never replanted	We need far more trees in almost every building plan and parking lot in the city.
This school yard could use some livening up with lovely trees and not	Trees are necessary for enhanced liveability on every street.

Comment	What do you want to improve at this location?
just pavement.	Especially in the urban core.
If you don't plant trees in the streets downtown, at least get rooftop gardens going please. But really, trees we can see at ground level are most desirable.	
Very open, especially around play area. Could use a few more trees to compliment those around the edge. Some could also be added to the "berm" area.	
Ice trees around the walk and creek, but needs a few for infill.	
Nice trees around the edge, but some infill would be nice. South side of play area to shade playground. Possibly some added to "berm" path area.	
Casorso is a terrible road, no trees, no sidewalks, no place for residents to walk, sit, chat and be neighbourly. Due to this neglect it only gets speeding cars from far away and very few bikes or people walking and chatting with neighbours.	
Very few trees, no multi use path or benches. This could be a fantastic location for a treed multi use park/corridor as it connects schools, churches, neighbourhoods, shopping and the waterfront. It is currently not designed for the people who live near but rather for those who live far away to speed through.	
Untended poplars falling apart due to stress. Large amount of Invasive herbacious weeds in the naturalized area of the Power Line Park.	
ditto	
planting of this area with native species (woods Rose, saskatoon berry etc.) almost completely failed. Needed water for the first year.	aesthetics, and biodiversity
area around north side of this retention pond is barren of any shrubs or trees, (a lot of invasive herbacious weeds).	
area is still recovering from the flood. Needs some replacement trees and bank stabalization with vegetation. More diversity needed.	
problem with people making their own bike trails. Spoils the natural	

Comment	What do you want to improve at this location?
setting. This area has become very overused last few years.	Trails and the creek are important in this area.
I hope as this development continues to grow that the "linear park that has developed here by residential use will be preserved.	Cleanup needed. If this area is not viable for housing development, it is certainly valuable as a potential recreational area.
Road and housing development seems to have stalled in this area. The developer has left behind a mess of equipment with some leaking fuel.	
Remove or prune over grown vegetation, this cant just be once a year and then waiting until a spruce or willow tree blows over and kills some one walking their dog below. This area brings hundreds of walkers every day, we cant have another resident die from injuries received slipping on ice in the winter, maintenance needs to be year round.	Waterfront Promenade is a beautiful walk in the summer, but there is very little shade and it is extremely hot
	This habitat is disturbed but has great potential for remediation by native species. It would be a shame to build a road through the only non-car cycling path in this area.
Area adjacent to rail trail east of Spall/Glenmore/Clement intersection	
There is a tremendous amount of fallen trees, piled up branches and piled up forest litter just left on the forest floor! This forest floor fuel needs to be removed as it is just tinder waiting to spark a inter urban forest fire disaster!	
Still waiting to have this developed into a park	
whole campus needs more trees	
I hope new development will be covered in trees	The brewery district could really use some street trees to make it more comfortable to walk around.
	The brewery district could really use some street trees to make it more comfortable to walk around.
While I appreciate the effort to add trees near the new Costco on Leckie Road, there does not seem to be enough of them and they are quite small.	

Comment	What do you want to improve at this location?
<p>So many trees were removed from this area of Mission Creek Park to create green space and play areas. I hope there is a plan to replant trees especially near the road and in and around the green space.</p>	<p>Replanting around the pond should include species that will thrive in the wetland habitat. Last tree planing efforts used cedar and other species not suitable, and most have since died.</p>
	<p>Development here has removed a corridor for animal movement.</p>
	<p>Replanting should occur here to compensate for the deforestation effects of the OK Mountain fire. This small strip cannot be reasonably called a park given the lack of a trail, poor access route, and forest cover that is limited to a few mature pines.</p>
<p>The previous Fortis pruning of the trees in this area was an absolute hack job. It is an eye sore. Would recommend replanting smaller trees that would not interfere with power lines to replace existing trees</p>	
<p>Hoping that some attention is going into keeping the waterway wild and healthy for the wildlife in this little park, thank you!</p>	
<p>Whatever is being developed here, I sure hope it becomes very green and well treed for this lovely vibrant neighbourhood, thank you!</p>	
<p>Huge dustbowl area; please find a way to improve soils, incorporate more trees and user-friendly green space, which will support the waterway banks and fish habitat that meanders throughout this neighbourhood.</p>	
<p>Huge dustbowl area; please find a way to improve soils, incorporate more trees and user-friendly green space, which will support the waterway banks and fish habitat that meanders throughout this neighbourhood.</p>	
<p>Knowing this area will be further developed, I encourage careful planning around habitat & tree saving and planting, thank you!</p>	
<p>School field might be used for more variety of activities if a few trees were added here, thank you!</p>	
<p>I've noticed a lovely soft ground cover spreading in this park; if you nurture it and help it grow instead of grass, you could save big dollars in lawn maintenance costs!</p>	

Comment	What do you want to improve at this location?
This whole area used to be so pretty, green, and family friendly; definitely needs serious green planning and neighbourhood improvement support. Thank you!	
Soil filled boulevard with no plantings, on a block with no street trees	
Soil filled boulevard with no plantings, on a block with no street trees	Add more trees for shade
Remove invasive Siberian Elms, and plant native shrubs and trees	
Remove invasive siberian elms. Improve flood protection. The large open field in this area would be great for a dog park.	true the location is too traffic congested and would be better located across Springfield to larger location. Add a xeriscape mixed tree canopy and shrub plantings.
Farmers market needs mixed tree and shrub forestry.	
This could be a wonderful urban natural area. However, it is often filled with litter and abandoned camping gear. Additional clean-ups and more lighting would be useful.	Large willow trees have been taken down here for development. I live nearby and it was heartbreaking to see them go for 'micro suites' that will also take away the view. More trees are needed in this area.
Chance to add trees as the Parkinson Rec Centre future is developed	More large shade trees will be needed in this park to counter the high summer temperatures as climate change worsens...
More trees should be planted in the new Pandosy Waterfront Park to provide shade for walkers and park visitors.	
More large shade trees needed on campus	
Development of this area needs to include large shade trees and not just stacks of ridiculously tall buildings	I have seen signs of people camping and making campfires in this high risk urban interface area. Also Gallagher's golf course forest floor has high fuel load in many areas which is neglected except areas cleared by adjacent residents
Urban interface with many trees but could be improved by sustainable logging perhaps or anything to reduce fire hazard	
This is a lovely shaded area with no public access. Why did the city not work on creating a path rough to Lakeshore when the developer started redoing the trailer park?	Any space at all for people would be an improvement! Currently just a speedway for cars.
Hellish road for anyone not using a car. Why is the Casorso path not being continued through to Mission creek green way? Both are very	Access for folks who chose not to use cars or big trucks. People pay tax not cars, give the people the access priority.

Comment	What do you want to improve at this location?
<p>well used but not connected.</p>	
<p>Huge opportunity for a multi use path along Benvoulin road to connect agro-tourism to the urban core. Farm markets, vineyards, historic sites, garden centres etc. Why is the city's only plan to turn this into a 4 lane speedway and not to create more space for citizens and tourists to explore without a vehicle? This could connect nicely to KLO and Burtch rd.</p>	
<p>This whole area doesn't have any trees</p>	<p>There needs to be trees planted here and benches or other ways to engage this space. It's lawn that often dries out in the summer and is just such a sad area, in what should be an area of engagement in the city.</p>
<p>This green space is not being used to improve the quality of our city or its citizens and visitors. There are not trees for shade where the former senior centre was and this section of the boardwalk is often one of the hottest and less enjoyable parts of the walk.</p>	<p>Trees are needed, as this area gets very hot in the summer and not enjoyable.</p>
<p>Such a nice manufacturer beach area but there are no trees for shade. The slop is gradual which allows for a variety of users to access the water but there are no trees for cooling and to preserver erosion of the beach.</p>	<p>collaborate with SD23 to add trees. Perhaps do a land swap with Cetnral Mobile park to protect those trees.</p>
<p>SD23 needs to be part of the urban forestry plan. There are only three trees at Casorso elementary, providing little protection from the sun for children and poor sense of plan.</p>	

Appendix C – Stakeholder workshop boards

City of Kelowna - Urban Forest Strategy Update

Stakeholder Workshop

Oct 27, 2022

Warm-up

TIP - How to comment using sticky notes

- 1) Double-click anywhere on the screen to get a sticky note
- 2) Type your comment and resize the sticky using one of the corners as needed
- 3) Click beside your note, then reselect it to move it around the board

Note that you can also use the pencil tool at the bottom of the left hand menu to draw on white board

What organization, company, or community group are you associated with/representing today?

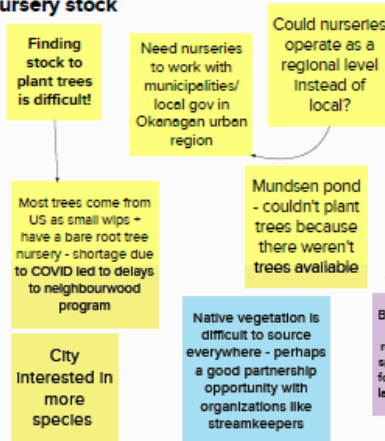
- Central Okanagan Land Trust - commonly work with City (ordinance properties owned or covenanted)
- Bartlett tree experts - Vernon
- Kelowna Tree Protection group - concerned citizens about the urban forest
- Okanagan Climate Hub - action against climate change impact at the local level (adapt + mitigate)
- Sustainability consultant in energy + env policy, planning and partnerships - member of Okanagan Sustainability leadership council
- Arbor care tree service - formerly urban forester at a municipality
- Action Tree Service - Kelowna tree company working often with the City
- Buildings + sustainability services for Okanagan college - building campus effectiveness for the urban forest
- Physician in public health + preventive medicine - health officer, impact of green spaces on health to mitigate heat + mental health
- Mumby arboriculture - work with Kelowna and across Vancouver Island

Theme # 1 - PLANTING

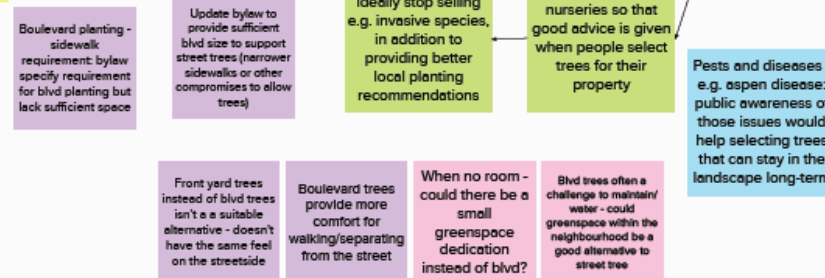
Concerns

What are the current challenges affecting tree planting?

Nursery stock

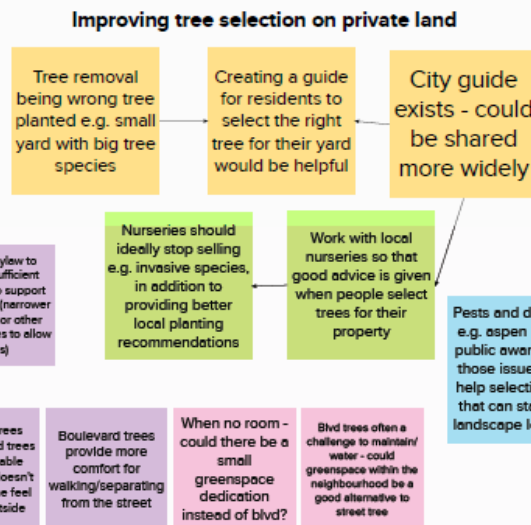


Street tree planting



Opportunities

Do you have any ideas/opportunities for planting the urban forest?



Theme #2 - MANAGING

Concerns

What are the current challenges affecting urban forest management?

Removing barriers

Cost + complexity of tree management - treating pest/disease, planting trees in wrong locations or maintaining trees under power lines

Residents might not get excited about planting trees because of those barriers.

Tree removal is expensive! Could this be managed more efficiently

Species selection

Species selection to reduce water needs (important to preserve drinking water)

City expect trees to need water for a few years to establish + using silva cells

Natural water availability changes - is City looking at technologies to supplement water for public trees? Or select different tree species?

Would need to have a municipal staff to coordinate those types of programs

Working with community members

Adding community contributions to improve City's workforce

Post-pandemic, people want to build social capital and get out. Planting and gardening would be good opportunities to make people more confident, give them something to care for - proven health benefits from sense of purpose!

Opportunities

Do you have any ideas/opportunities for managing the urban forest?

Work with community groups (retired TELUS groups, schools, others)

Community-led OR city-led to have community members working with the City to plant trees in areas that have potential

Increasing the literacy about urban forest

Large tree benefits

Improving understanding of the importance of mature trees - some people are scared by large trees, but they provide most benefits!

Local tree companies sometimes need more information to avoid inflating risks!

Theme # 3 - PROTECTING

Concerns

What are the current challenges affecting tree protection and retention?

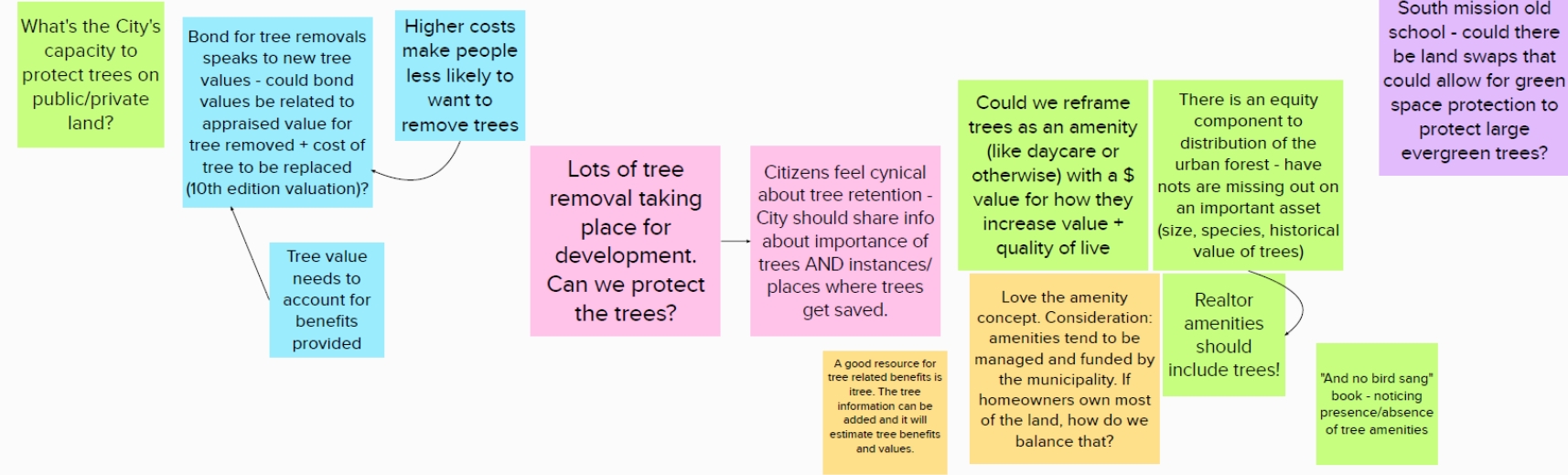
From my experience from asset management plans there generally a need for increase in maintenance in small and large trees. Will there be a change in in budget or need for change the budget for tree maintenance?

Boulevard trees are rarely evergreens but provide important benefits

Developments rarely plant evergreen trees - could we require some planting?

Opportunities

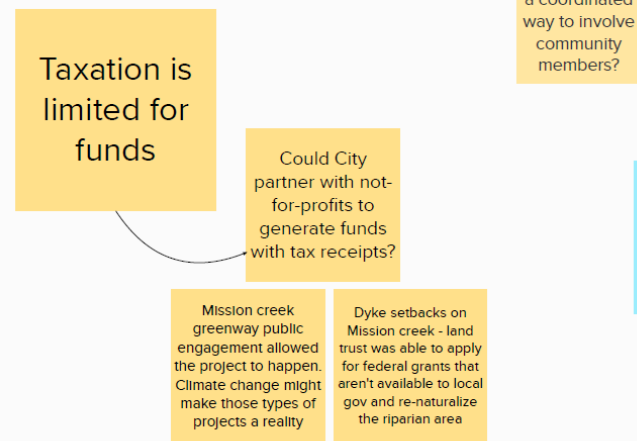
Do you have ideas or opportunities for tree protection or retention?



Theme # 4 - PARTNERING

Concerns

What are the current challenges for partnerships in urban forest stewardship?

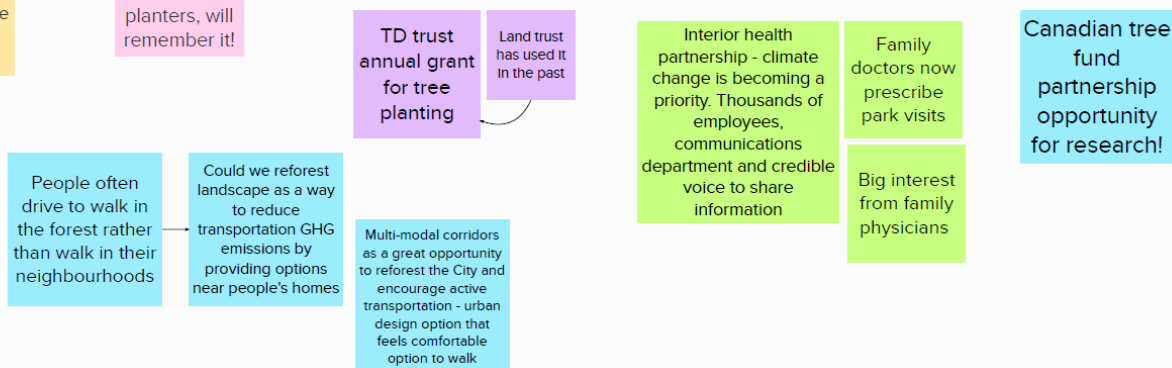


Mission creek school kids + Starbucks help plant + weed the park area during the naturalization phase

Kids are future voters - if were active planters, will remember it!

Opportunities

Do you have any ideas or opportunities for partnering to steward the urban forest?



City of Kelowna - Urban Forest Strategy Update

Group 2

Theme #2 - MANAGING

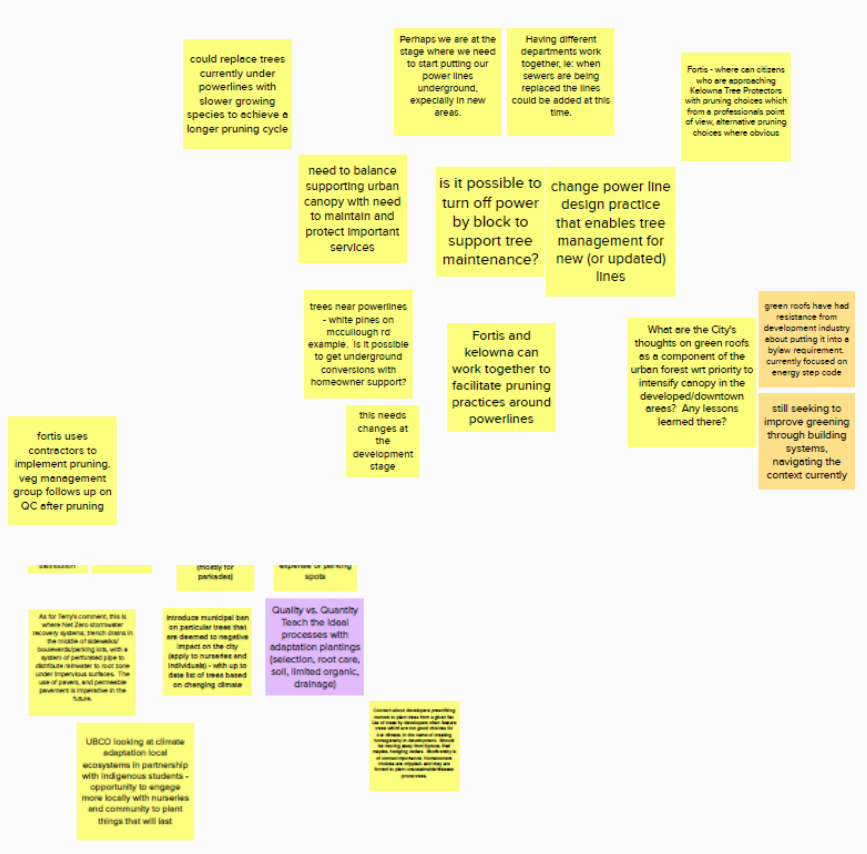
Concerns

What are the current challenges affecting urban forest management?



Opportunities

Do you have any ideas/opportunities for managing the urban forest?



Theme # 3 - PROTECTING

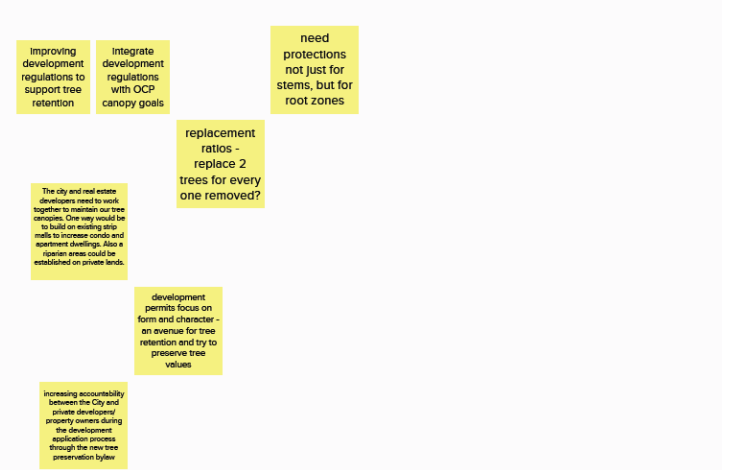
Concerns

What are the current challenges affecting tree protection and retention?



Opportunities

Do you have ideas or opportunities for tree protection or retention?



Theme # 4 - PARTNERING

Concerns

What are the current challenges for partnerships in urban forest stewardship?



Opportunities

Do you have any ideas or opportunities for partnering to steward the urban forest?

