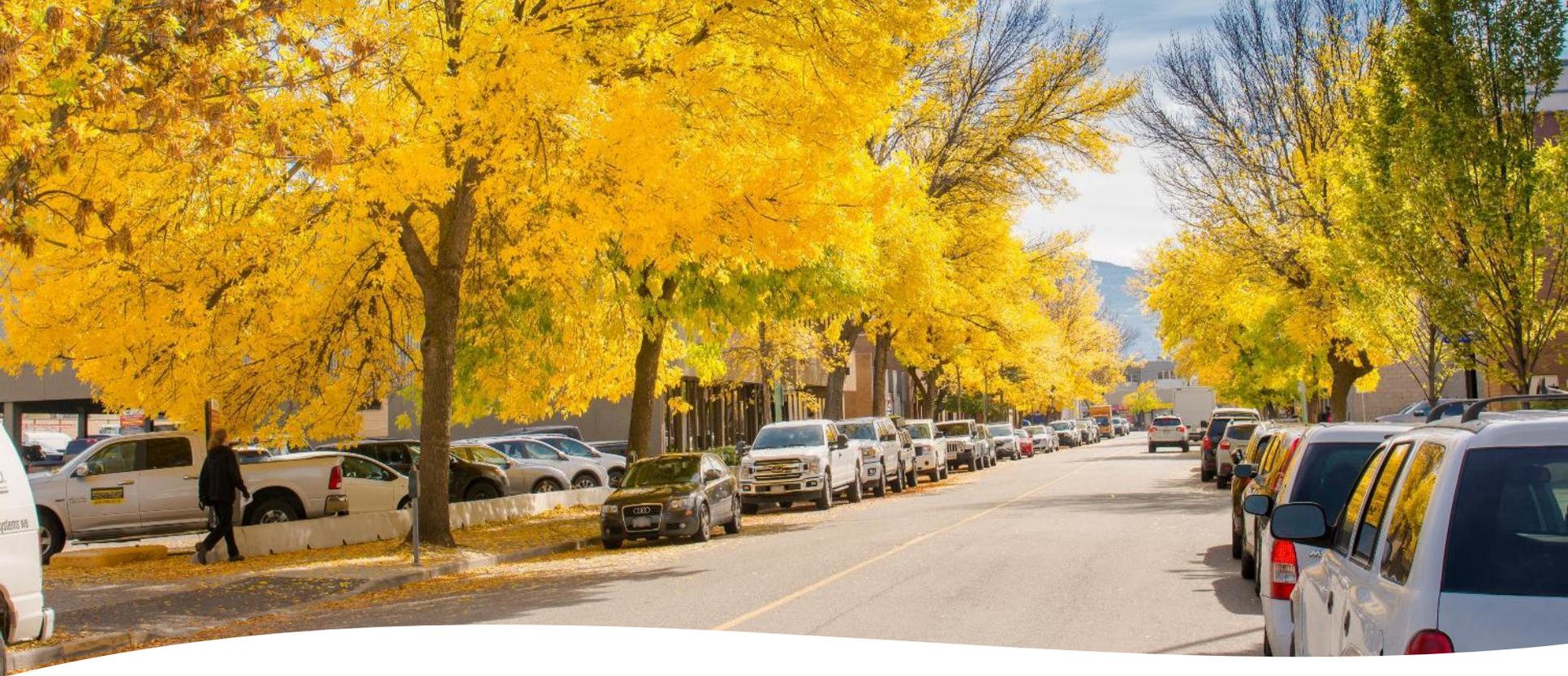


Bylaw Amendment: Tree Protection Bylaw No. 8041



Purpose

- ▶ To update the bylaw regulating the removal and replacement of trees in riparian management areas and hazardous condition (steep slope) areas.



Council Direction on Tree Protection – Previous Resolution (June 13, 2022)

- Council directs staff to investigate the implementation requirements for the preferred six actions and report back to Council.

Action Summary

1. Support increased tree planting requirements in new *Zoning Bylaw*
2. Amend existing *Tree Bylaw No. 8041* to increase replacement requirements in environmentally sensitive areas
3. Amend *Procedures Bylaw* to support tree inventories and multi-year monitoring with additional staff (1 FTE)
4. Increase tree planting requirements in *Zoning Bylaw*
5. Develop *Landscape Standards Bylaw*
6. Long term monitoring and evaluation

Aligning Bylaw No. 8041 with the 2040 OCP

- *Natural Environment Development Permit* (NEDP): applies to Riparian Management Areas and slopes exceeding 30%
- *Performance Security* (Bond) – held by City to cover cost of restoration (trees/plants) if owner doesn't complete work. Money is not returned until trees are well established (2+ years of monitoring).



Take Action on Climate



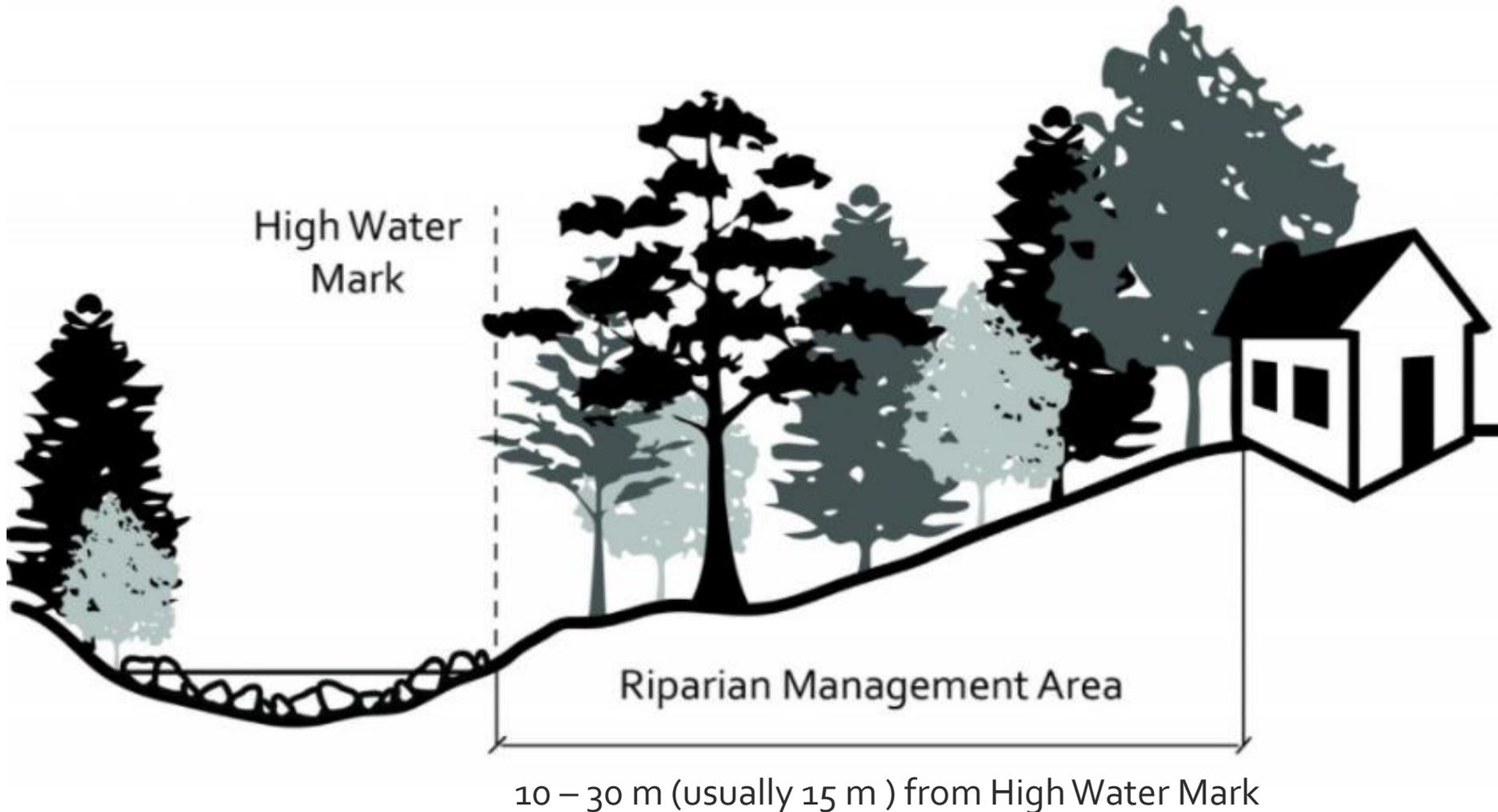
Protect & Restore
Our Environment



Stop New Suburban
Development

2040 Official Community Plan – Chapter 21

Riparian Management Areas



Bylaw No. 8041 Amendments

Current Bylaw	Amendment
Applies to trees larger than 150 mm (trunk diameter) within Riparian Management Area (RMA) and slopes exceeding 30%	Reduce minimum size to 100 mm protect more trees within RMA/steep slopes
Permits waived for hazardous tree removals	Permit applications <u>only</u> permitted for hazardous trees
Replacement trees not required (but encouraged) if removal due to emergency falling hazard.	Replacement trees are required – emergency removals allowed prior to permit issuance, but need permit to identify replacement trees
Staff inspect when planted and 90% of security bond returned. Remaining 10% held for 1 year.	Staff inspect following 1 year to assess tree establishment, then may return 90% of bond. Remaining returned 1 year later if tree health is satisfactory.
Replacement tree minimum size	Adjusted based on staff experience, better survivability
On-site compensation for trees not replaced	Compensation tree location at City's discretion
Broad permit requirement exemptions	Limited exemptions to pruning for wildfire hazard mitigation, invasive and fruit tree removals

Amendment Example:

▶ Provincial tree replacement formula to replace 2:1 replacement ratio:

- 1 tree at 0 mm - 151 mm (6") DBH = **2 replacement trees**
- 1 tree at 152 mm - 304 mm (12") DBH = **3 replacement trees**
- 1 tree at 305 mm - 456 mm (18") DBH = **4 replacement trees**
- 1 tree at 457 mm - 609 mm (24") DBH = **6 replacement trees**
- 1 tree at 610 mm and larger (36") DBH = **8 replacement trees**

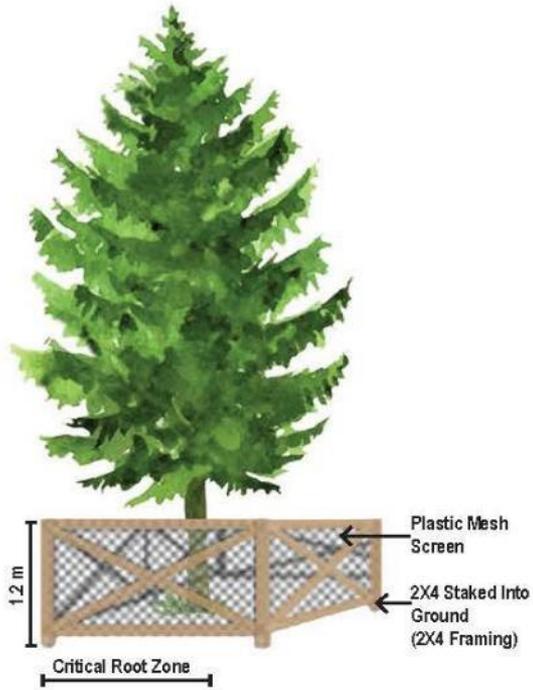


Source: Wikipedia Public Domain

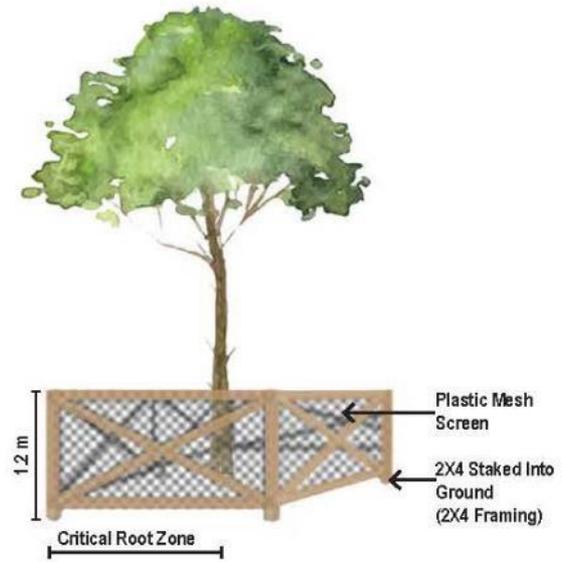


Amendment Example:

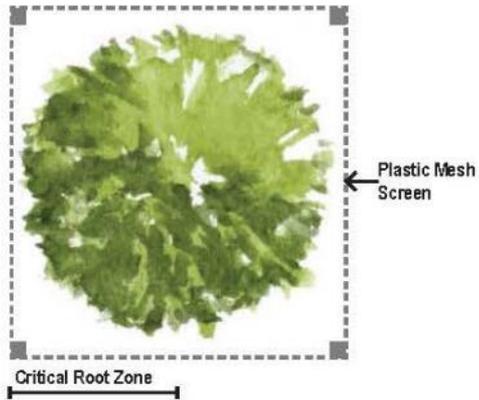
- ▶ Damage to protected trees is highlighted as a violation of this bylaw.
- ▶ Root damage is a common issue due to excavation.
- ▶ **Schedule A** is recommended to provide guidance on constructing **Tree Protection Zones**



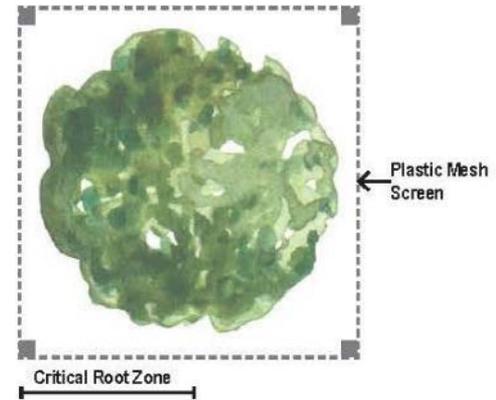
Elevation View



Elevation View



Plan View



Plan View

Action Summary

1. Support increased tree planting requirements in new *Zoning Bylaw*
2. Amend existing *Tree Bylaw No. 8041* to increase replacement requirements in environmentally sensitive areas
3. Amend *Procedures Bylaw* & support with additional staff (1 FTE)
 - i. Coordinate with *Zoning Bylaw* industry education to implement with a grace period over 2022-2023
 - ii. Seek 2023 staffing budget request
4. Increase tree planting requirements in *Zoning Bylaw*
5. Develop *Landscape Standards Bylaw*
6. Long term monitoring and evaluation

} Progress report to
Council in 2023

Staff Recommendation

- ▶ THAT Bylaw No. 12025, being Bylaw Amendment No. 2 to the Tree Protection Bylaw No. 8041, be forwarded for reading consideration.



Conclusion of Staff Presentation