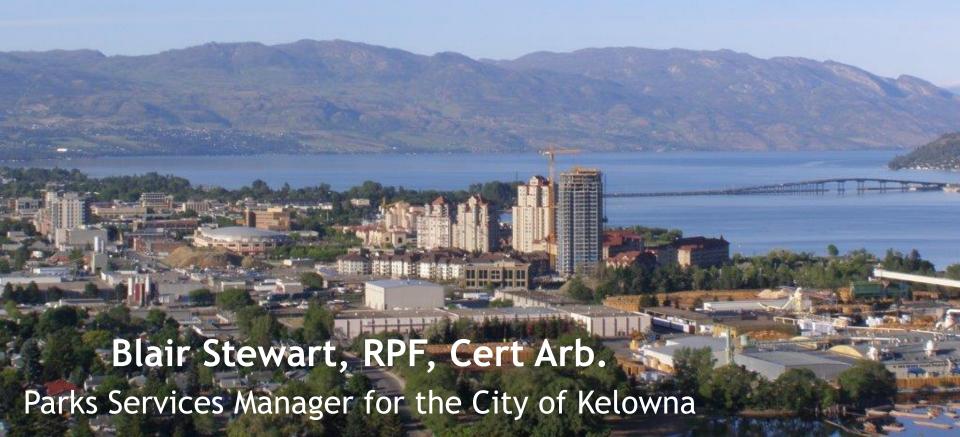
CHALLENGES OF GROWING AN URBAN FOREST IN THE OKANAGAN VALLEY





OUTLINE

- Kelowna
- Challenges
- Strategy
- Recommendation
- Going Forward



Trees in both the urban and natural environment provide important environmental, economic and social benefits.







Kelowna

- ▶ 127,360 people
- Located in rain shadow created by coast mountains
- 9-12" precipitation
- Hot summers,"mild" winters(USDA Zone 6)



CHALLENGES

- Construction and maintenance
- Weather and Climate
- Fuel management
- Forest Health
- Culture / public perception
- Nursery stock vs planting history

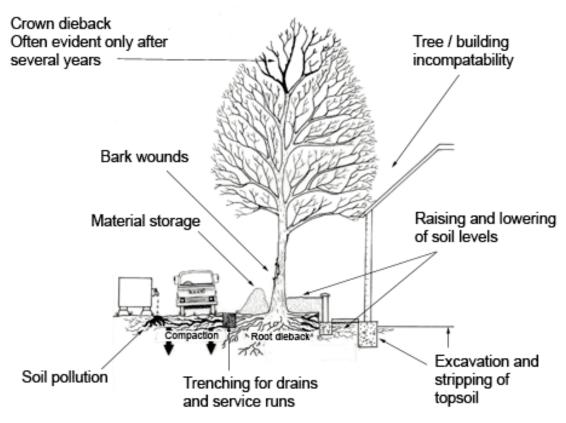






CONSTRUCTION DAMAGE

example







CONSTRUCTION/ MAINTENANCE





TREE DECLINE

DUE TO LACK OF TREE PROTECTION DURING CONSTRUCTION



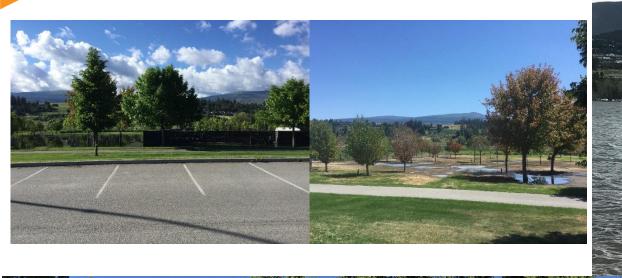


CLIMATE AND WEATHER





FLOODING DAMAGE





FOREST HEALTH

- Pine Beetle (MPB,WPB)
- Spruce Budworm
- Tussock Moth
- Hazardous trees
- Weather (wind, flood, snow etc)
- Wildfire management



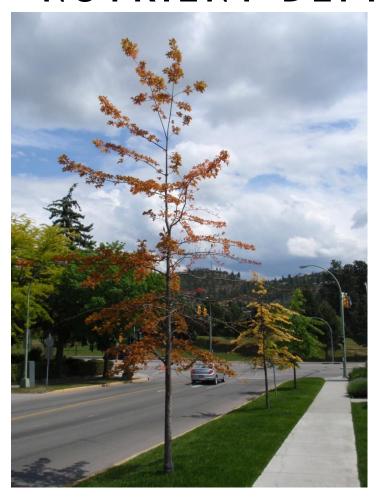






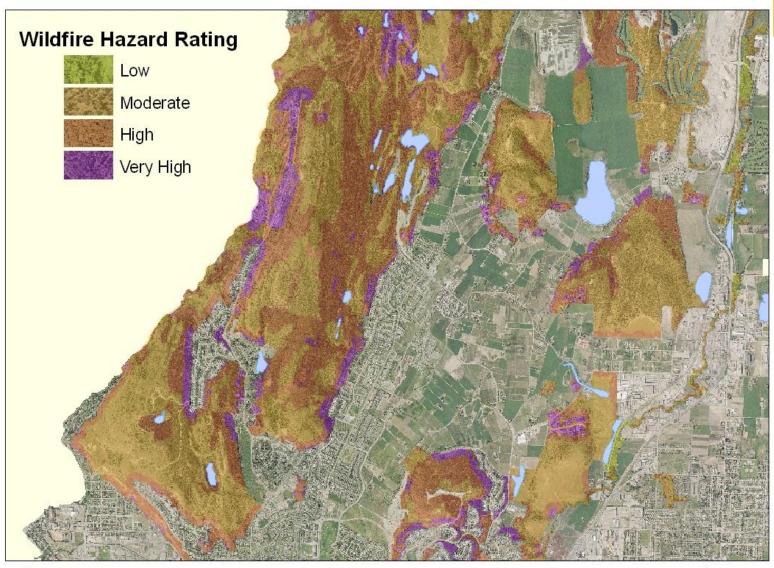


NUTRIENT DEFICIENCIES







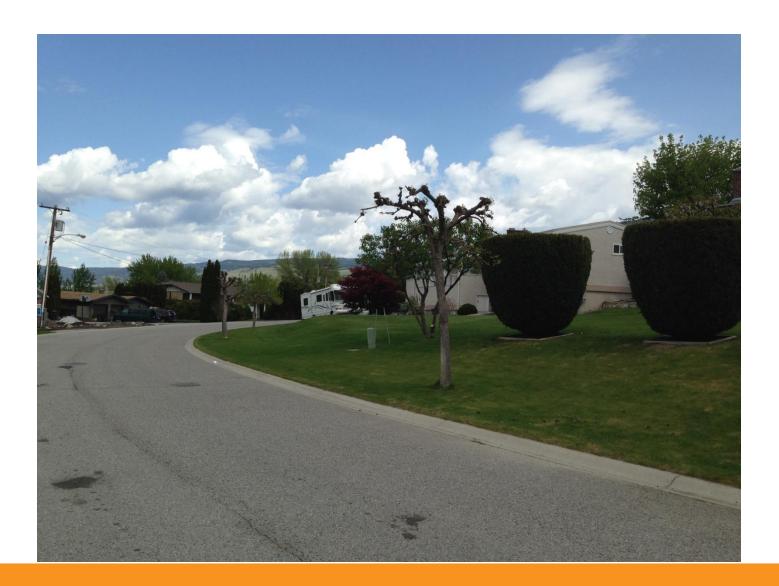








CULTURAL PRACTICES





RECOMMENDATIONS

- Drought tolerant trees selection and irrigation optimization
- Planting Programs
- Improve tree inventory systems
- Strengthen tree planting standards
- Tree maintenance Standards
- Tree Protection Bylaw update



TREE PLANTING

- Community tree planting program
- NeighborWoods: provides trees at reduce cost
 - Residents buy tree for their property
- Educate and inform residents about our urban forest and proper planting techniques



CITY TREE PLANTING

- Bare root tree planting
 - Holding nursery

Transplanting





TREE PROTECTION

- Current bylaw does not protect all trees
- Emphasis on construction zones
- Significant, rare, heritage trees
- Show by example









GOING FORWARD

- Policy and planning changes to protect canopy
- Community engagement
 - NeighborWoods Kelowna Urban tree advocacy group established in 2018
 - Volunteer planting projects (Girl Guides, TD etc)
 - Door hanger program (comments or concerns)
- Grant funding supplement annual planting

