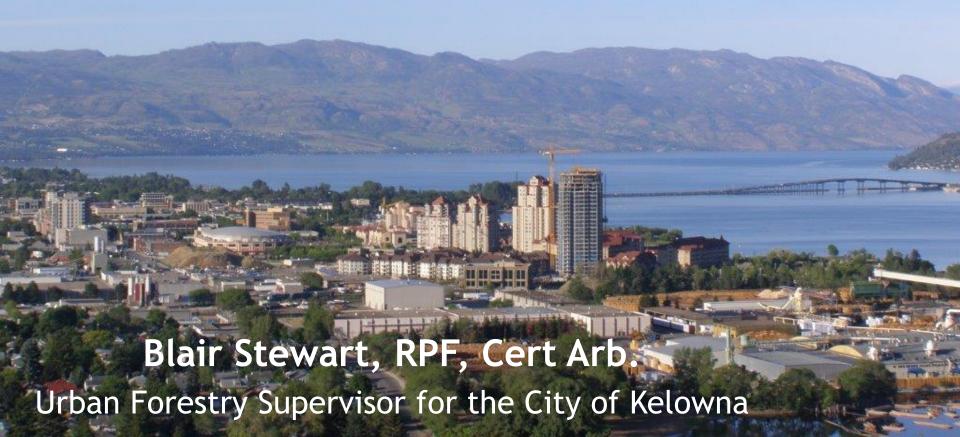
CHALLENGES OF GROWING AN URBAN FOREST IN THE OKANAGAN VALLEY





OUTLINE

- Background
- Challenges
- Strategy
- Recommendation
- Going Forward
- Wrap-up







Kelowna

- ▶ 115,000 people
- Located in rain shadow created by coast mountains
- 9-12" precipitation
- Hot summers,"mild" winters(USDA Zone 6)



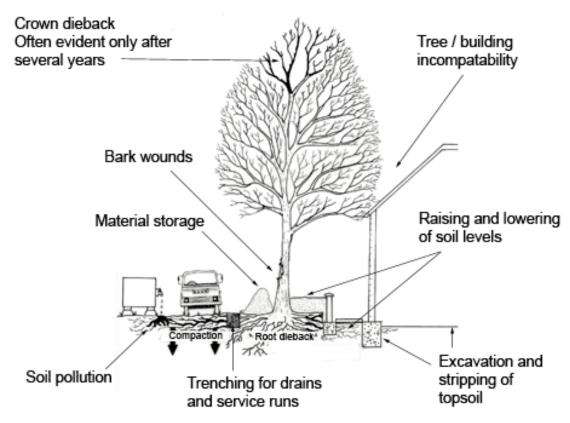
CHALLENGES

- Construction and maintenance
- Weather and Climate
- Fuel management
- Forest Health
- Culture / public perception



CONSTRUCTION DAMAGE

example







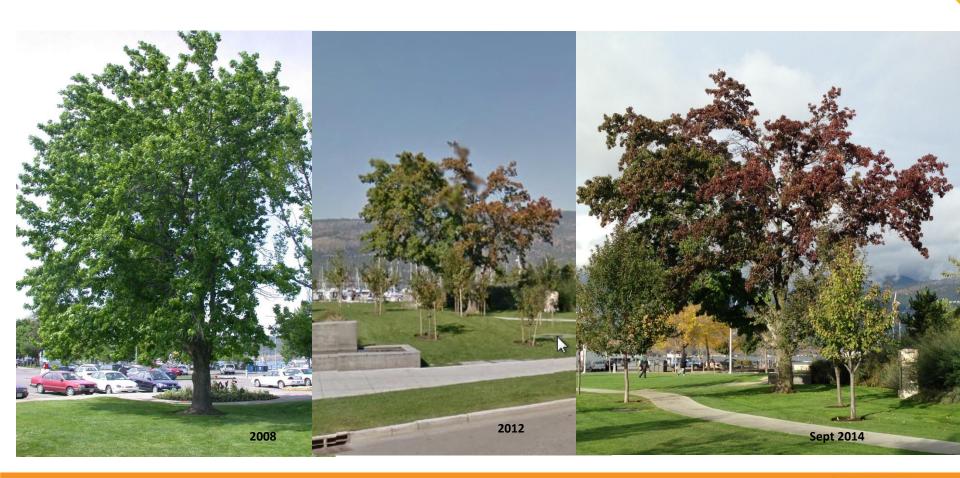
CONSTRUCTION/ MAINTENANCE





TREE DECLINE

DUE TO LACK OF TREE PROTECTION DURING CONSTRUCTION





TREE PROTECTION

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





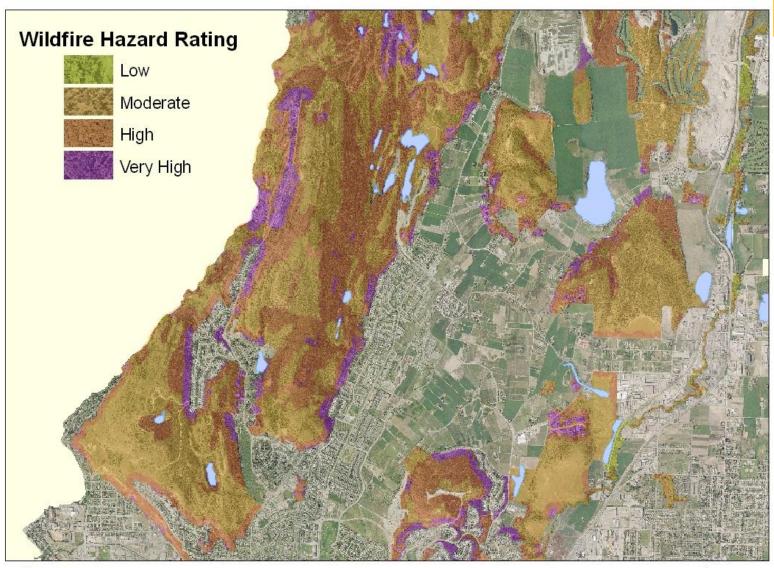




CLIMATE AND WEATHER



















FUEL MODIFICATION

AFTER



BEFORE



FOREST HEALTH

- Pine Beetle (MPB, WPB)
- Spruce Budworm
- Tussock Moth
- Hazardous trees
- Weather (wind, hail, snow e









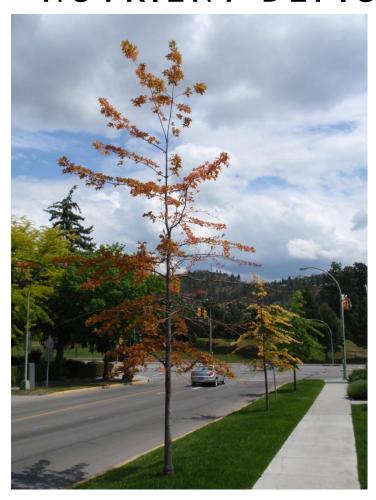
TREE SCREENING







NUTRIENT DEFICIENCIES







CULTURAL PRACTICES





SUSTAINABLE URBAN FOREST STRATEGY

- Phase 1: Literature Review
 - City from Canada and around the world
- Phase 2: Recommendations

Implementation



RECOMMENDATIONS

- Planting Programs
- Improve tree inventory systems
- Strengthen tree planting standards
- Tree maintenance Standards
- Tree Protection Bylaw update



GOING FORWARD

- Policy and planning changes to protect canopy
- Community engagement
 - Volunteer planting projects (Girl Guides, TD etc)
 - Door hanger program (comments or concerns)
- Grant funding supplement annual planting



TREE PLANTING

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

