Wildfire Risk **Reduction in the** Wildland-Urban Interface Conflicts, Politics, and **Urban Ecology**

Alexander Martin University of Toronto









FireSmart Canada











Methods

- Manitoba's ModelForest and FireSmart Canada's test community
- Qualitative survey (20-30 minutes)
- ✤ 108 responses
- Thematic analysis:
 - Understanding of wildfire behaviour
 - FireSmart Canada
 - Environmental barriers
 - Socio-political barriers



Understanding of Wildfire Behaviour

- 83 respondents perceived wildfire risk as a wall of flame rather than embers
- 12 respondents identified embers as the focus of risk reduction activities
- 98 respondents considered wildfire to be a natural forest process

"When that wall of flame approaches my home, cutting my grass every week won't do a lick of sh*t"

Understanding of Wildfire Behaviour







FireSmart Canada

- 86 respondents were familiar with FireSmart Canada
- 102 respondents did not have a fully "FireSmarted" property

"I don't know it really at all, but I do hate it and anyone who suggest it. I don't want to lose my foresst" {sic.}

Environmental Barriers

- 51 respondents were concerned that the loss of conifers would kill the aesthetic of the area
- 46 respondents worried about biodiversity
- 104 respondents (96%) mentioned conifer removal and thinning as a concern or barrier

"Why are they suggesting to plant ash trees when Winnipeg says not to? I don't want to lose all of them to that bore[r]"





Hand & HEM

Socio-Political Barriers

- 62 respondents described FireSmart as an unwelcome topdown approach
- 87 respondents felt that risk reduction activities were diminished by neighbours not doing anything
- 52 respondents felt that activities were diminished by the RM not doing anything
- 94 respondents criticized the RM for not taking action
 - 43 said they would not take action themselves as a result

"We went from a 48page wildfire risk reduction strategy to a 2-page email. How is that a wildfire plan? We are all f**ked!!"



Summary

- Socio-political issues not just environmental connectedness influence wildfire risk reduction activities
- Libertarianism ideology is common in recent socio-political discourse
- Wildfire risk reduction strategies decrease biodiversity and ecosystem services

Recommendations

- Consider relationships between property owners and with government in risk reduction studies
- Revise "doomsday" matrices
- Distinguish between ecosystems
- Emphasize the cause before the avoidance tactics





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E: alexjf.martin@mail.utoronto.ca

