Remote Sensing of Wildland Fire-induced Risk Assessment Framework

2011

Slave Lake

Research Questions

Finding

- Estimates of structural damages due to wildland fire using satellite images,
- **Generation of finer resolution wildland-urban interface** (WUI), and subsequently develop buffer zones at 10m, 30m, 50m, 70m and 100m from the WUI, and
- Mapping of the vulnerable areas for wildland fire.





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Remote Sensing of Wildland Fire-induced Risk Assessment Framework

Research Findings (2)





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Remote Sensing of Wildland Fire-induced Risk Assessment Framework What Next?

- Vegetation should be removed from the vulnerable areas as identified.
- Regular monitoring should be carried out to maintain the vegetation clear-cut within the buffer zones in particular to 10m and 30m ones.
- Engaging local communities to reduce the wildland fire risks through disseminating scientific evidences.
- Empowering local authorities to utilize this technique to reduce wildland fire risks at their communities.
- Involving industrial partners with the local communities to work together for reducing wildland fire risks in the region.