















## Recommendations

- Making the findings of this study available to regional and district councils, to Government agencies including FENZ, National Emergency Management Agency, DOC, Land Information New Zealand and the Ministry for the Environment, and to stakeholder organisations such as the New Zealand Forest Owners Association and Federated Farmers NZ.
- Reviewing, and where necessary, refining the RUI mapping results and methodology, including integration of this property exposure information with maps of wildfire climate, fuels, slope and other factors affecting wildfire risk.
- Further reviewing of the wildfire preparedness mitigations to provide recommendations and more definitive, easily understood guidance to RUI homeowners and communities nationally.
- Engaging and working in partnership with homeowners and the community to raise awareness of wildfire risk.
- Encouraging residents to implement wildfire preparedness mitigations on their properties in RUI areas identified as particularly wildfire prone under climate change.
- Extending community engagement and transfer knowledge to Māori community groups to benefit from their strong networks to encourage individual and collective wildfire preparedness actions.
- Investigating ways to raise wildfire awareness and preparedness of short-term residents and visitors.

## References

Langer, E. R., & Wegner, S. (2018). Wildfire risk awareness, perception and preparedness in the urban fringe in Aotearoa/ New Zealand: Public responses to the 2017 Port Hills wildfire. *Australasian Journal of Disaster and Trauma Studies*, 22, 29-33. <http://trauma.massey.ac.nz/issues/2018-2/contents.htm>

Langer, E.R., Wegner, S., Pearce, G., Melia, N., Luff, N., & Palmer, D. (2021). Adapting and mitigating wildfire risk due to climate change: extending knowledge and best practice. *Scion Rural Fire Research Technical Report No. 36230991*. <https://www.ruralfireresearch.co.nz/publications>

Ministry for the Environment. (2018). *Climate Change Projections for New Zealand: Atmosphere Projections Based on Simulations from the IPCC Fifth Assessment*. (2nd Ed.) Wellington: Ministry for the Environment. <https://environment.govt.nz/assets/Publications/Files/Climate-change-projections-2nd-edition-final.pdf>

Stewart, S.I., Radeloff, V.C., Hammer, R., & Haysaker, T.J. (2007). Defining the Wildland-Urban Interface. *Journal of Forestry*, 105(4), 201-207.

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