RAF: Prescribed Burning and Predictive Services































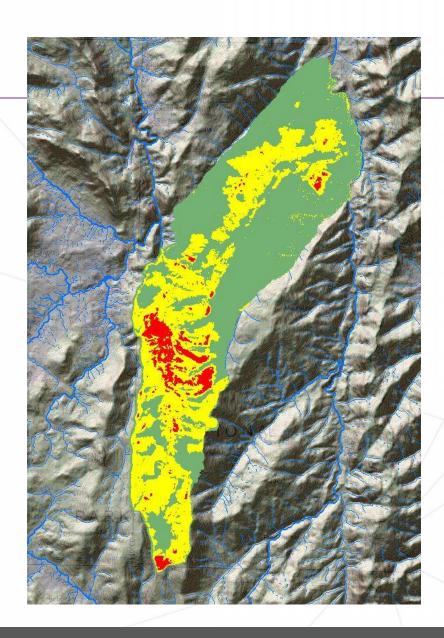






Evaluation

Brandy Flat HRB fire severity assessment



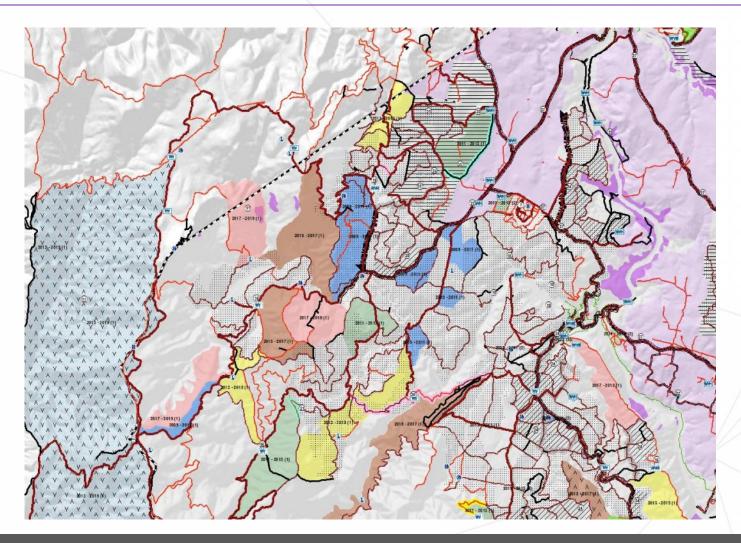


Research Showcase in Prescribed Burning

- Planning: Bradstock group (UoW, UMelb)
- Implementation: Van Dijk, Yebra and Cary (ANU)
- Evaluation: Bell (USyd)

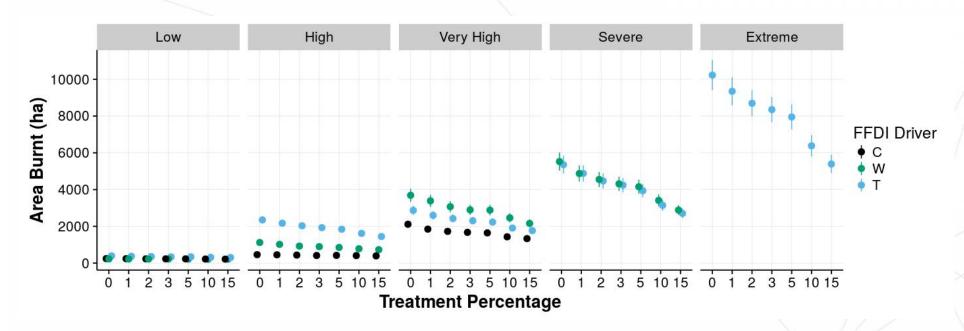








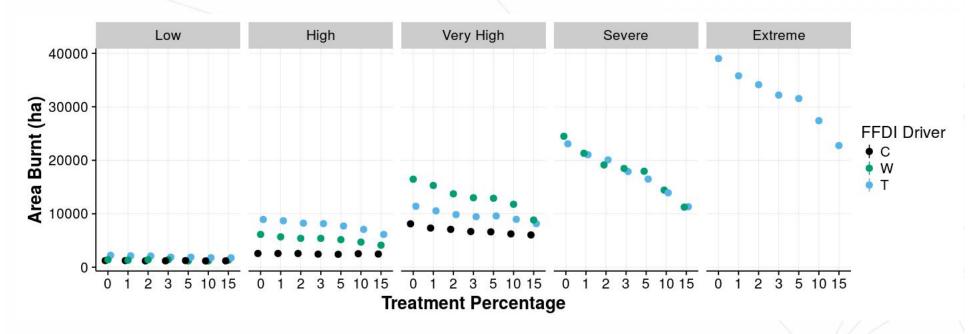
ACT Study: Area Burnt (mean)



C = wind change driven, W = wind driven, T = temperature driven



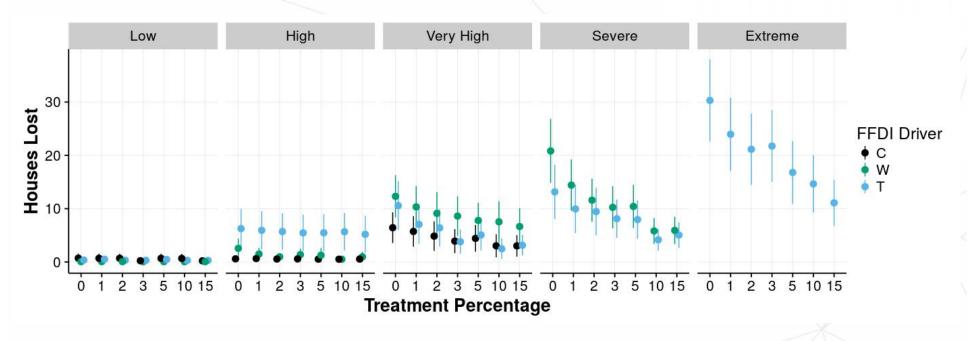
ACT Study: Area Burnt (95th percentile)



C = wind change driven, W = wind driven, T = temperature driven

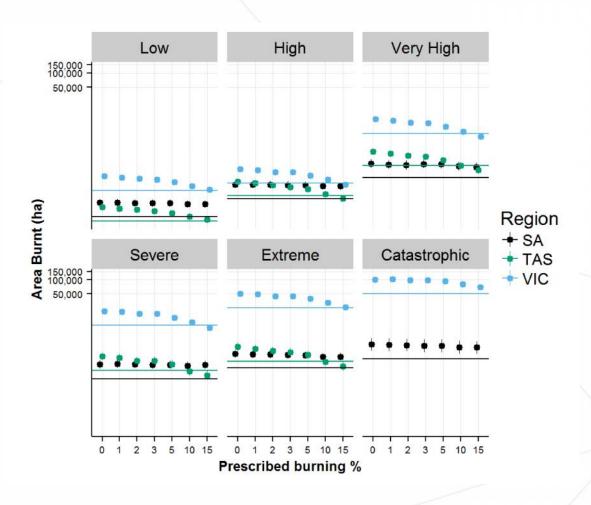


ACT Study: House Loss (mean)

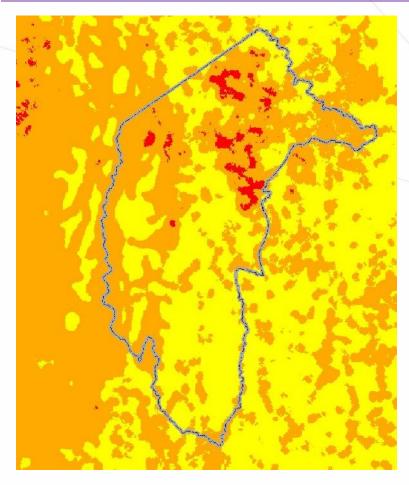


C = wind change driven, W = wind driven, T = temperature driven

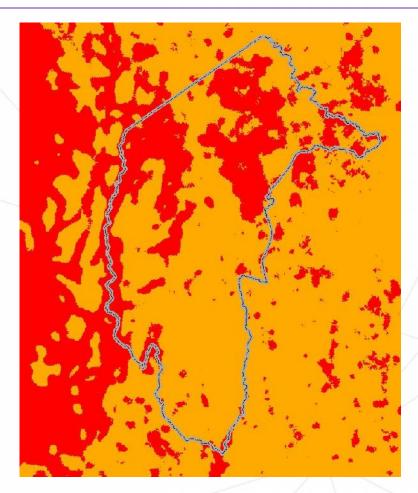








Ignition Probability – FFDI 25



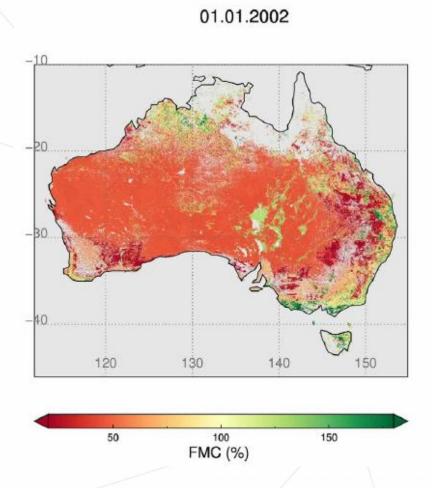
Ignition Probability – FFDI 135



Prescribed Burning - Implementation

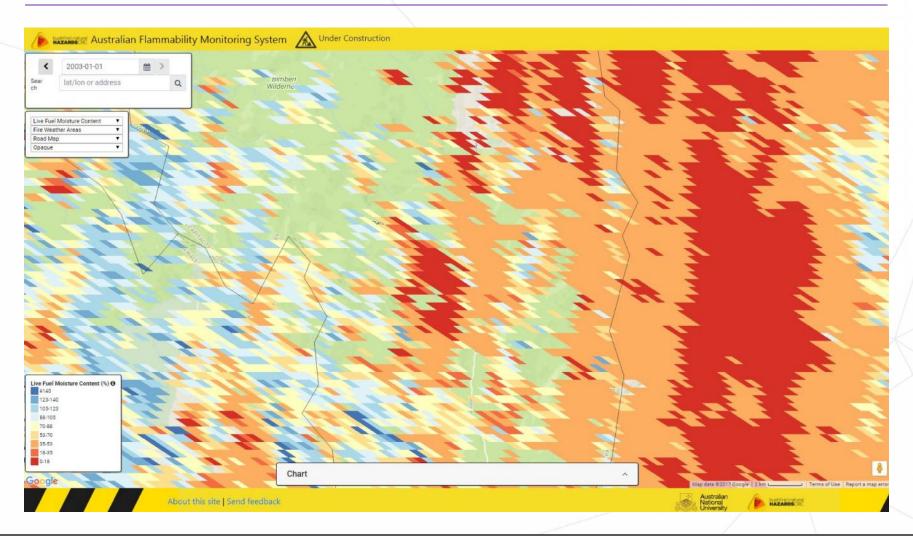
Australian Flammability Monitoring System

Satellite-based fuel moisture content and flammability

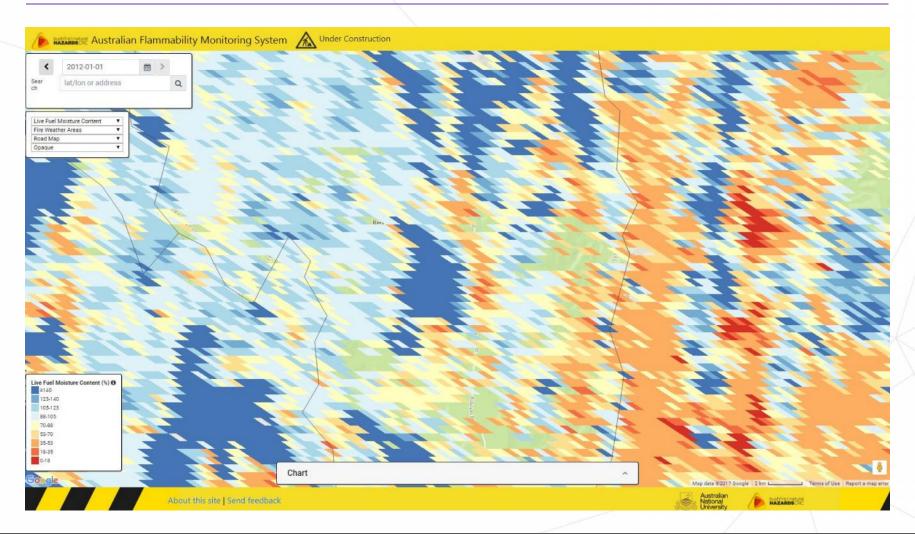




January 2003



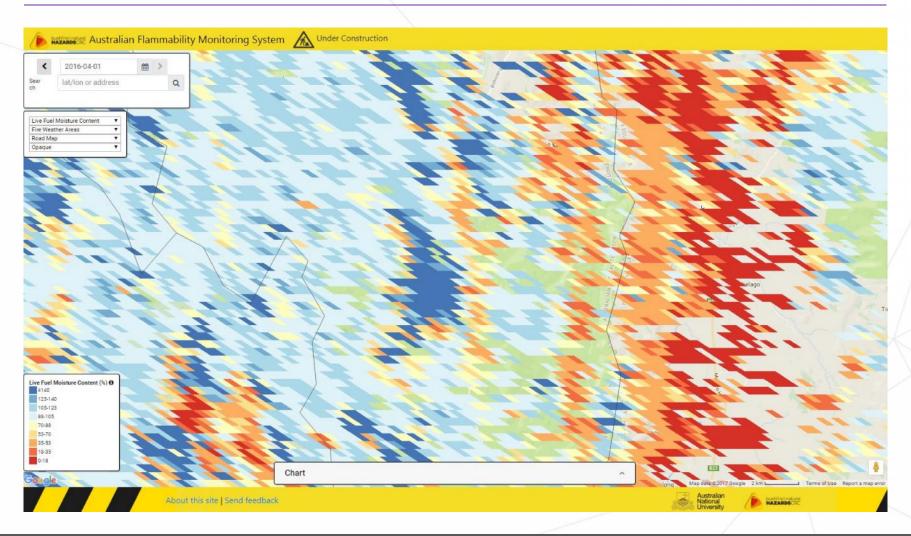






Prescribed Burning - Implementation

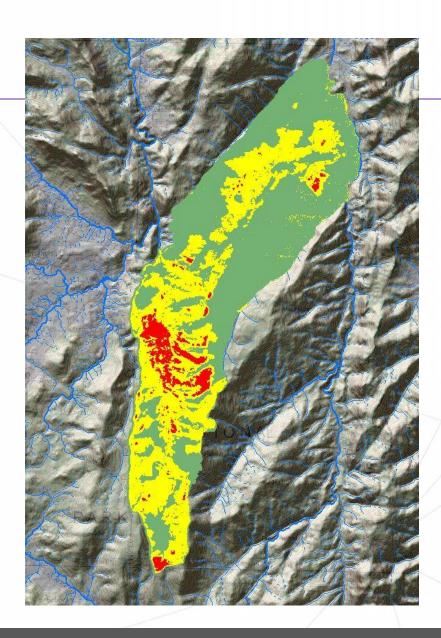
Brandy Flat HR April 2016





Implementation

Brandy Flat HRB fire severity assessment





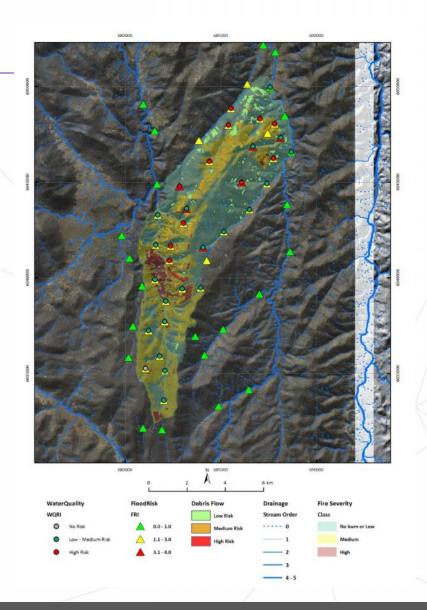
Prescribed Burning - Evaluation



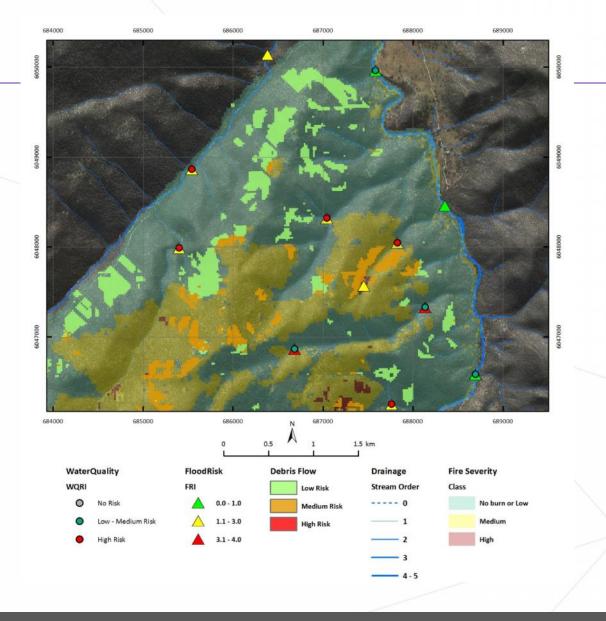


Evaluation

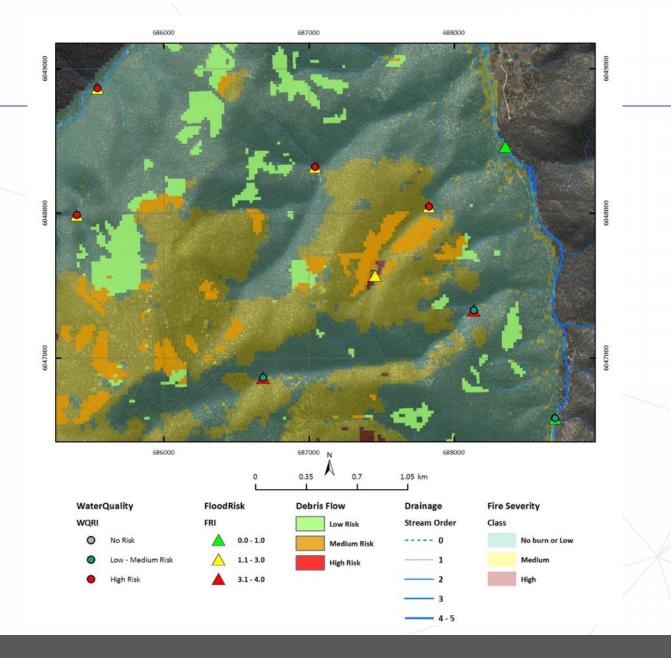
Post-burn hydrological risk – Brandy Flat HRB























Eroded material from







