



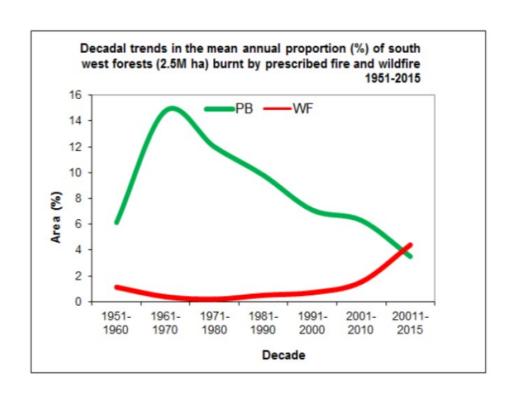
Topics of discussion

- Bushfire risks in the south-west corner.
- Time since fire, fuel age and fire behaviour?
- Vulnerable communities what do they look like?
- Aerial suppression detection and response.
- Prescribed burn planning
- Seasonality and considerations
- Biodiversity requirements
- Prescribed burns in the local area actual examples.
- Cultural fire management.
- Adaptive management.





So how did we get here?







Bushfire risk - context



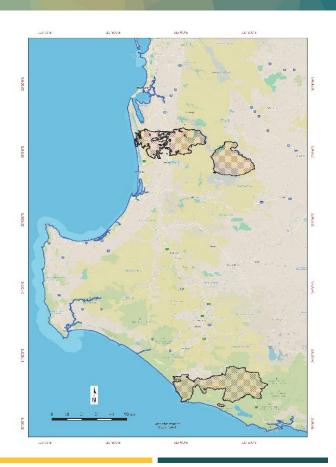
- O Sullivan fire in Northcliffe -98,000 Ha
- Lower Hotham Boddington-52,373 Ha
- Yarloop Waroona -69,000 hectares





Summer bushfires 2015/2016 in the South West.

220,000 Ha







February 2021



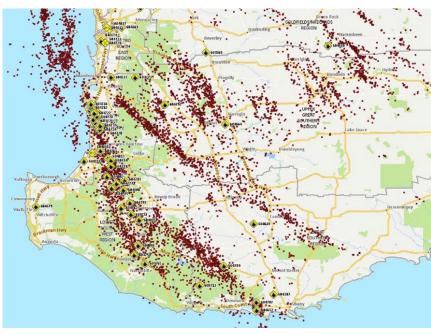






10/01/2023 Preston Bushfire









Arson Events - 08/12/2021















Proximity to community









Bushfire vs Prescribed burn



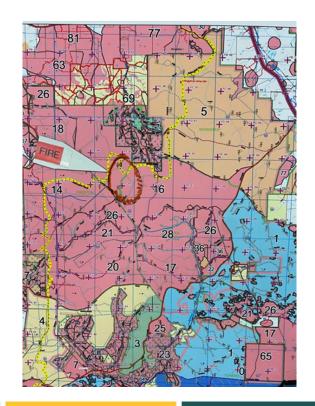






Role of prescribed burning in fire development





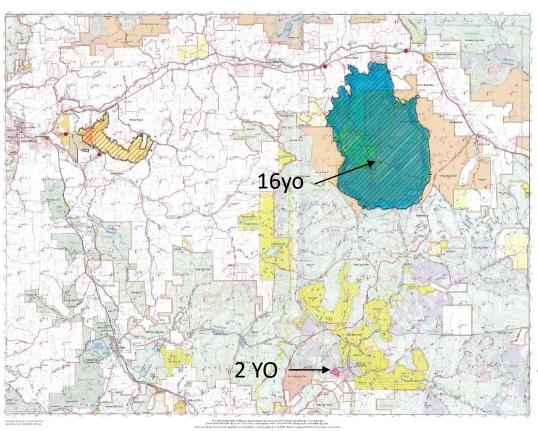






GOVERNMENT OF WESTERN AUSTRALIA





Donnybrook Complex Overview + Munro

BF NAMED REPORT BOYCE CO

PORT

II team

O bandinas

Consider
Consider
Consider
Consider

Kno/Dobry Adler
Kno/Dobry Adler
Know Code (Data)

A X X Community Congressor

30













Fuel age & fire behaviour



















On the left, green forest that escaped the flames. On the right, the blackened destruction of a heavy-fuel inferno. And in the centre, a fuel-reduced strip where the fire simply ran out of puff.





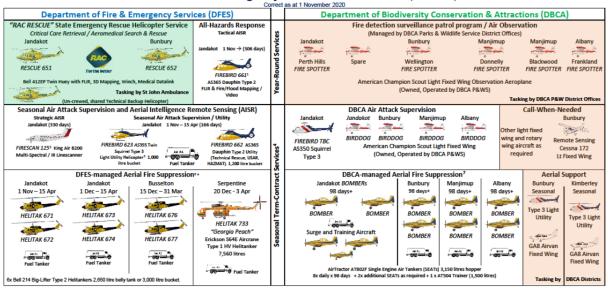


WESTERN AUSTRALIA





Fire & Emergency Aviation Fleet 2020-21 (detailed)



¹ FIREBIRD 661: two service periods: (1) 1 Nov - 15 April 7 days/week; and (2) for the remainder of the year, business days (5 days/week).

² FIRESCAN 125: 330-day service period with extension options.

³ DFES AAS helicopters are fitted with an airborne public address system and crewed by government aircrew officers with handheld tablet computers for mission management and incident mapping.

⁴ With sufficient lead-time, and subject to availability joint Aviation Services can acquire additional resources from WA and the Eastern States.

Nominated operational bases (NOBs) are located Jandakot, Serpentine, Bunbury, Busselton, Manjimup and Albany.

⁶ DFES manages a further 70 HELITAK FOBs which are mostly community football ovals and public open spaces.

⁷ DEES and DBCA maintain more than 40 fixed wing remote regional forward operating bases (FOBs) that can be mobilised at very short notice. FOBs have prepositioned water supply, reloading pumps and ground crews and other aerial firefighting support services.











Striking the balance



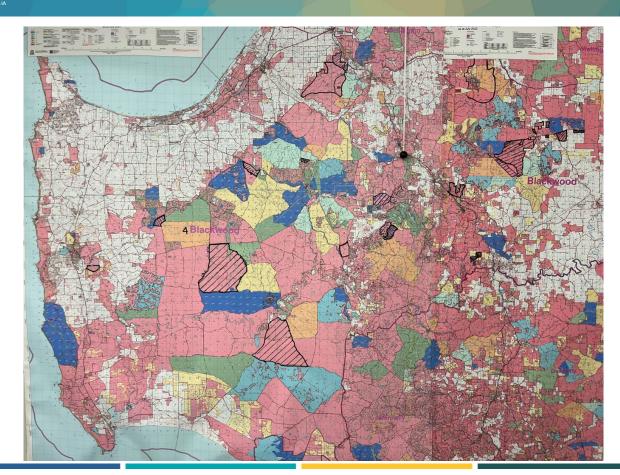








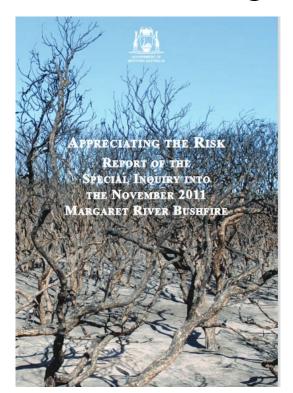








Margaret River 2011

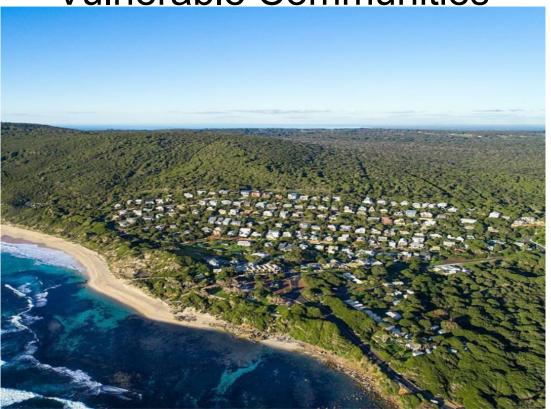








Vulnerable Communities







Community protection























Spring Vs Autumn



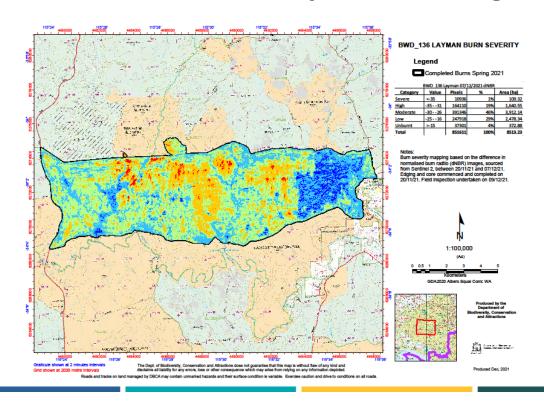




Fire Frequency WESTERN AUSTRALIA



Burn Severity Mapping

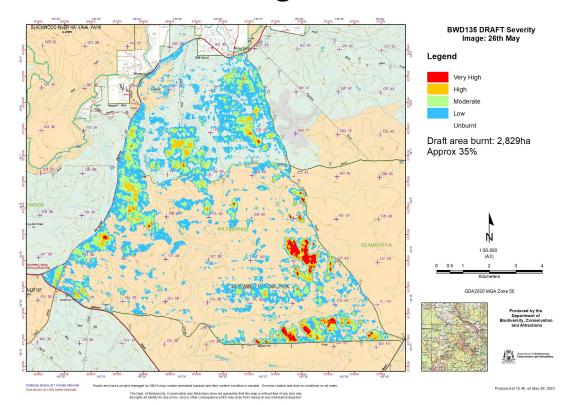




WESTERN AUSTRALIA



Soft Edge Mosaics









Cultural Fire Management





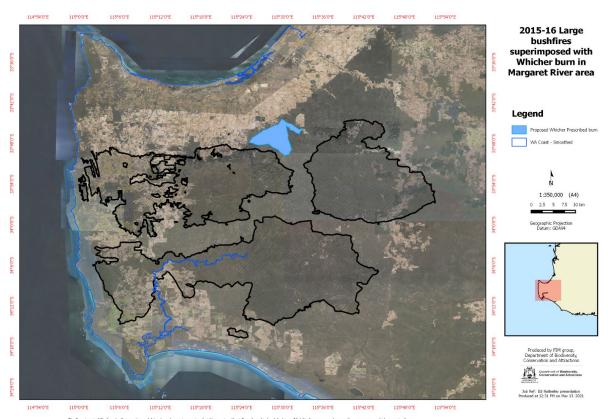








WESTERN AUSTRALIA



The Department of Biodiversity, Conservation and Attractions does not guarantee that this map is without flaw of any kind and disclaims all liability for any errors, loss or other consequence which may arise from relying on any information depicted. Roads and tracks on land managed by DBCA may contain unmarked hazards and their surface condition is variable. Exercise caution and drive to conditions on all roads.