Project Closure SP 2012-036

Fire behavior and fuel dynamics in coastal shrublands

Fire Science

Project Core Team

Supervising Scientist	Lachie Mccaw
Data Custodian	
Site Custodian	

Project status as of Nov. 30, 2020, 11:31 a.m.

Closure pending approval of closure form

Document endorsements and approvals as of Nov. 30, 2020, 11:31 a.m.

Project Team	granted
Program Leader	granted
Directorate	required

Fire behavior and fuel dynamics in coastal shrublands

Closure goal

terminated

Closure reason

Staff no longer available to complete this project.

Key publications and documents

Scientific journals:
No journal publications from this project.
Project reports: copies lodged in DBCA Library as pdfs.
Knox KJE (2018) Fire behaviour in coastal shrubland: a reconstruction of the Two Peoples Bay Nature Reserve fire (November 2015). Manuscript submitted to Ecological Management and Restoration.
Knox K (2018) Remote sensing of shrubland fuel moisture for fire danger assessment.
Knox K (2013) Techniques for determining fuel load in shrub dominated communities.

Knowledge Transfer

Reconstruction of the Two Peoples Bay bushfire of November 2015 was completed, and used to verify fire behaviour predictions from current fire behaviour models. Differences in fire severity between unplanned fire runs and backburning operations were compared and found to not be significantly different.

Live fuel moisture content of shrub foliage and soil moisture content were sampled regularly over two consecutive fire seasons and compared with satellite imagery and values predicted by the Australian Flammability Monitoring System developed by the Bushfire and Natural Hazards CRC. These data may be made available to the CRC for further model verification purposes and to inform a project reconstructing the spread and behaviour of the December 2019 Yanchep bushfire.

Dataset links

Links to be established as data is migrated from Manjimup office server to the MS Sharepoint environment.

Hardcopy location

Hard copy files held at Manjimup Research Centre.