

Learning from the Past: bushfire CRC



The many uses of fire history mapping

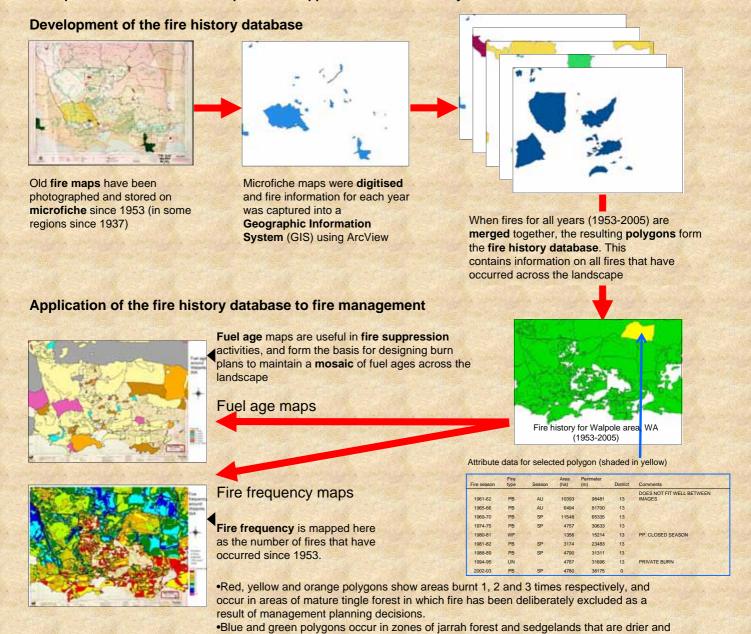
Roy Wittkuhn¹, Tom Hamilton¹, Lachie McCaw¹, Femina Metcalfe² and Craig Carpenter²

(1 Science Division, 2 Fire Management Services, Western Australian Department of Conservation and Land Management)

Bushfire CRC Project B1.1: Managing fires in forested landscapes in south-west Western Australia

Introduction

- •In the past, fires in southwestern Australia were recorded on paper maps by the Department of Conservation and Land Management (CALM) and the Forests Department.
- •Transfer of this information to a Geographic Information System (GIS) is seen as critical to land management in the southwest, particularly for fire planning.
- •This poster describes the development and application of a fire history database for the southwest of WA.



Conclusions and further work

•The fire history database will become a corporate database that can be used by land managers and scientists;

burn more frequently as a result of both prescribed burning and unplanned fires.

- •The database will be updated each year with fire boundaries supplied by District offices;
- •Patchiness within fires will be examined with the use of remote sensing to look at fire mosaics at a finer scale;
- •CALM's Bushfire CRC project is using this fire history database as a first step to identifying sites with contrasting fire regimes within which the diversity and abundance of flora, fauna, invertebrates, fungi and cryptogams will be compared. © Bushfire CRC Limited 2005