Witjira Waru Pulka (Fire)

Waru Pulka means big fire

Management Strategy

The Witjira National Park

Witjira was proclaimed a National Park in 1985 under section 43 of the National Parks and Wildlife Act 1972 to protect Australia's largest array of artesian springs, the nationally significant Dalhousie Mound Springs complex (Figure 1). At over 768 850 hectares in size the park also conserves relativity pristine areas of gibber and sandy country, river floodplains, and floodouts (DEH 2009).

The determination of Native Title rights in 2008 for the Lowe Southern Arrente and Wangkangurru people and the declaration of the Writjira National Park Co-management Board formally represents the importance and cultural connectivity to this Country. This Waru Pulka (Fire) Management Strategy was prepared for the Witjira National Park Co-management Board, as recommended in the Witjira National Park Management Plan (DEH 2009). This Strategy identifies:

 natural, built, and cultural heritage values, assets and objects vulnerable to inappropriate fire regimes or damage by fire; a framework for the management of bushfire suppression including the identification of fire management zones and potential strategic access and control lines (as shown on DEW's Fire Management Maps);

• fire management strategies, including prescribed burning, to protect or maintain natural, built, and cultural assets, values and practices; and

 opportunities to explore and implement Aboriginal Cultural Knowledge and fire management methods for ecological management and fuel reduction purposes, and maintaining nnection to Country

Biodiversity significance

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Cultural significance

The Witjira National Park (Witjira NP) holds significant cultural value to both the Lower Southern Arrente people, the Wangkanguru people, and community, and adjoining Aboriginal nations through associated sites and story lines. With over 100 sites and places at Witjira NP that are documented in the Register of Aboriginal Sites and Objects under the Aboriginal Heritage Act 1988, it is the highest reported concentration of cultural heritage i central Australia.

The Lower Southern Arrente and Wangkangurru people place a high value on their lands and view it as a significant cultural asset through which to practice and learn about their culture. Altyerre cultural lore and customs) and its relationship to the land are the foundations of Aboriginal culture. The Dalhousie Mound Springs complex is of particular significance to the Traditional Owners, as many stories are associated with, or pass through the springs. The Homelands, in the north east of the park, is the most culturally significant area within the park. There is no public access to this area. This dedicated area enables Traditional Owners to live on Country. This area also represents the area of highest overall fue hazard across the park, which significantly increases after big rains The 2014 Homelands bushfire (waru pulka) came close to burning two homes and burnt approximately 950 hectares of the park. The Dalhousie Mound Springs complex, Homelands, the Finke River and Floodout, and Spinifex (Awilura) Country. across Witjira NP, provide a diversity of flora, fauna, and natural resources for the Lower Southern Arrente and Wangkangurru people. With the contrast in landscape

features across Witjira NP, an immense array of species are utilised for food, fibre, or medicine. A better understanding of these species and their use by Aboriginal nations can offer important understandings for environmental and cultural management. This Fire Management Strategy seeks to be a teaching resource about culture and land and will assist and facilitate the Witjira NP Co-management Board, the Lower Southern Arrente, and Wangkangurr people utilise fire in managing their Country and

racticing culture.

Ecological-cultural monitoring

Post-contact heritage and culture

Witjira NP also contains sites of non-Aboriginal importance including Dalhousie homestead ruins and European relicts. Dalhousie Springs is also an important tourist sight promoting public use and enjoyment of the park whilst minimising the impact on cultural and European sites, mound springs, and the rounding environment Travel and camping at several

sites across Witjira NP is common place and management of fuel loads around these camping sites is neces particularly after significant rainfa

The importance of fire

Cultural burning and a land management tool

Cultural burning is an important part of caring for Country and Cutural burning is an important part of camp for Country and describes the burning practice developed by Aboriginal nations, used to enhance the health of the land and its people. Cutural burning can include burning (or prevention of burning) for the health of particular plants, animals, and Country. It may involve patch burning to create different if re intervals or used specifically for fixel and hazard reduction purposes. Fire may be used to gain burtes event of Counted used new Jonane that of where, or takes better access to Country, to clean up important pathways, or to maintain cultural responsibilities

This strategy supports the intergenerational transfer of Traditional Ecological Knowledge, which can be facilitated and supported through cultural burning practices. Where possible, employment and capacity building opportunities will be investigated and utilised Aboriginal burning techniques are being more widely regarded as a key management tool; highly valuable in the maintenance and enhancement of biodiversity values. Within the Witjira NP lands many native species have adapted to fire for a variety of reasons. The Common Reed (Phragmites australis) regenerates vigorously post fire. Its rapid growth contributes to large volume of biomass and organic material that build up and can block spring vents and and organic material that build up and can block spiring version tails. Incorporating traditional fire management practices such as burning the Common Reed helps to remove this build-up of biomass and organic matter. This maintains a diversity of aquatic habitat types such as open water, closed flowing channels, and mixed shallow cool water, ensuring that the endemic fish found i the mound springs thrive (DEWNR 2017b).

While little is known about the historical fire regimes of Witiira NP, management and use of the mound springs by Traditional Owners involved regular burning of dead reeds that clogged spring waterholes and restricted access to water (DEH 2009). Spring vent and tails are well suited to cultural burning practices, which can in turn create a mosaic of fire age classes, providing valuable refuge for important plants and animals. Given the isolated nature of Witjira NP and the number of threatened and culturally significant species reliant on the health of the Dalhousie Mound Spri environmental processes, re-introducing cultural fire practices is essential to restoring the balance to these sites.

Cultural burning across the Finke River floodplains and floodouts and Spinifex (Awilura) Country is also important for cultural and environmental management.

There are many similarities and differences between Lowe Southern Arrente and Wangkangurru and western ecological knowledge; to ensure a successful relationship, all parties need to acknowledge and consider these respectfully. There should be an emphasis on encouraging the retention of Cultural Knowledge by Lower Southern Arrente and Wangkangurru people and to develop and maintain sincere relationships with people and their land. This strategy aims to provide high level guidance along with DEW Fire Management Zoning (DEW/NR 2017) to assist and facilitate the Witiira NP Co. management Board and the Lower Southern Arrente and Wangkangurru people to utilise fire in managing Country

Message from the Board

and Lower Southern Arrente people. We will always value the land, water, plants and animals, We're working together to holistically maintain, protect and preserve the park for the betterment of all people, now and

into the future

after the place.

Witjira National Park is the traditional land of the Wangkangurru

This is our Country, our responsibility, so please help us to lool

Witjira National Park Co-management Board, September 2016

Legislative requirements

Fire management strategies

C Jointly owned by the Witiira National

Park Co-management Board, Irrwanyere Aboriginal Corporation, and the Crown in right of the State of South Australia,

Department for Environment and Water.





Users are warned that there may be words and descriptions that may be culturally sensitive and which might not normally be used in certain public or community contexts

Ruby Saltbush (Enchylaena tome

Vinter •