

Appendix 1 – Witjira NP Fire Management Recommended Works and Mitigating Actions

	Value and Location	Risk	Recommended Works
Whole Reserve	Emergency services	Injury/death during response to a fire event.	<p>DEWNR 1. Build response capacity through ensuring appropriate levels of training are met by relevant staff. All firefighters will meet DEWNR Fire Policy & Procedure Manual - 4.4 Fighting Fit Program, with only A & B rated firefighters being deployed.</p> <p>DEWNR 2. Audit all fire access tracks annually and upgrade/maintain all fire access tracks where necessary.</p> <p>DEWNR 3. Investigate opportunities to locate and build new strategic fire access tracks to improve access and egress for firefighting appliances.</p> <p>DEWNR 4. Investigate opportunities to locate and build new strategic firefighting water sources for firefighting activities and response purposes.</p>
	Aboriginal Cultural Heritage	Impact on, and loss of Aboriginal cultural values and assets due to a fire management activities, bushfire, or emergency response activities.	<p>DEWNR 5. Undertake all fire management activities in line with the DEWNR Fire Policy and Procedure for the Protection of Cultural Heritage (DEWNR 2016). Section 5.14.</p> <p>DEWNR 6. Ensure all proposed and planned fire management activities are undertaken with approval from the Witjira Co-Management Board and that culturally important areas, values and assets are not impacted upon during fire management operations.</p> <p>DEWNR 7. Utilise classified fire access tracks only.</p> <p>DEWNR 8. Develop a rolling 5 year proposed prescribed burn program.</p> <p>DEWNR 9. Develop maps to display 'no go' areas to be used during emergency response.</p>
Whole Reserve	<ul style="list-style-type: none"> Irrwanyere Aboriginal Corporation/Traditional Owners Visitors/Tour Operators/Research Groups 	Bushfire could result injury/death	<p>DEWNR 10. In partnership with the Irrwanyere Aboriginal Corporation support and provide education material on driving in isolated areas and during extreme weather conditions. Provide this information to people traveling to or through Witjira NP.</p> <p>DEWNR 11. Research groups to comply with the Remote Area Policy on Catastrophic Days and have response plans prepared as part of the required research approvals.</p>
	<p>Finke Floodout Dune Fields Aboriginal Cultural Heritage Emergency Services Staff</p> <p>Neighbours:</p> <ul style="list-style-type: none"> New Crown Station Crown Point Station Mount Dare Lease area Andado Station Central Lands Council (Finke Land Claim) 	<ul style="list-style-type: none"> Injury/death Impact on, and loss of Aboriginal cultural values and assets Impact on, and loss of livestock and feed Impact on, and loss of ecological integrity 	<p>DEWNR 12. Maintain the existing fire break along the northern boundary fence line (including sections of Homelands and Binns Track) to a total minimum width of 10 metres (being 5 metres either side).</p>
	<p>Environmental Assets:</p> <ul style="list-style-type: none"> The community of native species dependent on natural discharge of groundwater from the Great Artesian Basin Finke Floodout and Homelands Spinifex Country 	<p>Impacts from frequent and out season fires may cause changes in habitat diversity and structure, resulting in a loss of ecological integrity.</p> <p>Extinction of an endemic species through an inappropriate fire regime</p>	<p>DEWNR 13. Develop and implement the Great Artesian Basin Springs EFMS to guide appropriate fire management.</p> <p>DEWNR 14. Develop and implement the Finke Floodout and Homelands EFMS to guide appropriate fire management.</p> <p>DEWNR 15. Develop and implement the Spinifex Country EFMS to guide appropriate fire management.</p> <p>DEWNR 16. Ensure all fire management related activities are entered through the Fire Information Management System and cultural knowledge and vital attribute data is considered to ensure that impacts to environmental assets are minimised.</p>
Whole Reserve	Environmental Assets	Extinction of an endemic species through an inappropriate fire regime.	<p>DEWNR 17. Monitor the effects of bushfire and prescribed burning on flora and fauna where vital attribute data is lacking, and / or validate known fire response and vital attribute data.</p>
	<p>Flora Environmental Asset: Spike-rush (<i>Eleocharis geniculata</i>)</p>	Extinction of an endemic species through an inappropriate fire regime.	<p>DEWNR 18. Ensure occupied habitat is not burnt without Spike-rush specific fire management considerations.</p> <p>DEWNR 19. Monitor the effects of bushfire and prescribed burning on the Spike-rush.</p>
	<p>Fauna Environmental Asset: Rufous-crowned Emu-wren (<i>Stipiturus ruficeps</i>)</p>	Major impacts to sub-populations	<p>DEWNR 20. Ensure occupied habitat is not burnt without Rufous-crowned Emu-wren specific fire management considerations.</p>
	<p>Threats:</p> <ul style="list-style-type: none"> Phytophthora other or unknown pathogens weeds 	Transportation of Phytophthora, other or unknown pathogens and / or weeds into new areas, with unknown consequences.	<p>DEWNR 21. Follow the DEWNR hygiene and vehicle maintenance procedures.</p> <p>DEWNR 22. Ensure all firefighting appliance stick to fire access tracks.</p> <p>DEWNR 23. All water for fire management activities is to be sourced from the affected spring or connected wetlands, or the 3 O'Clock Creek Bore. Under no circumstances is water from outside the region or from a disconnected spring system within the Dalhousie Complex to be used.</p>
Dalhousie Block	<ul style="list-style-type: none"> Dalhousie Campgrounds and Infrastructure Dalhousie Homestead Ruins Staff Accommodation Kitchen Hutt Water Supply 	<ul style="list-style-type: none"> Injury/death to visitors loss of built assets/infrastructure 	<p>DEWNR 24. Implement and maintain A-zones around campgrounds and infrastructure.</p>
	<p>Dalhousie Springs:</p> <ul style="list-style-type: none"> Aboriginal Cultural Heritage European Heritage National Heritage – GAB Springs Whole Block Endemic Species 	<p>Impact on, and loss of:</p> <ul style="list-style-type: none"> Connected spring system Aboriginal cultural values and assets values and assets ecological integrity endemic species 	<p>DEWNR 25. Utilise cultural burning and ecological fire management to create a mosaic of vegetation age classes across Dalhousie Springs as per C-zone standards and the Great Artesian Basin Springs EFMS.</p> <p>DEWNR 26. Undertake all fire management activities in line with the Great Artesian Basin Springs EFMS.</p>
Dune Fields Block	<p>Purni Bore Campground and associated infrastructure</p>	Impact or loss of built assets/ infrastructure	<p>DEWNR 27. Implement and maintain A-zones around campgrounds and infrastructure.</p>
	<p>Neighbours:</p> <ul style="list-style-type: none"> Macumbar Station Central Land Council Simpson Desert Arabunda Depot 	<ul style="list-style-type: none"> Injury/death to neighbours/visitors Loss/impact to vegetation 	<p>DEWNR 28. Build and maintain relationship with neighbours and work with them to foster tenure-blind landscape-scale fire management.</p> <p>DEWNR 29. Provide, where appropriate, support to neighbours to develop and implement Bushfire Survival Plans.</p> <p>DEWNR 30. Investigate opportunities for C-zone mosaic burning across Spinifex Country to reduce fuel loads and diversify age classes.</p>
Finke Floodout Block	Finke Floodout Homelands Dwellings	Impact or loss of built assets/ infrastructure	<p>DEWNR 31. Implement and maintain A-zones around dwellings.</p>
	Mount Dare Pub infrastructure	Impact or loss of built assets/ infrastructure	<p>DEWNR 32. Implement and maintain A-zones around Pub and associated infrastructure.</p> <p>DEWNR 33. Build and maintain a water supply (tank) for firefighting purposes.</p>
	<p>Proposed infrastructure:</p> <ul style="list-style-type: none"> Alka Seltzer Bore Finke Depot (built on the Finke). 	Impact or loss of built assets/ infrastructure	<p>DEWNR 34. Implement and maintain A-zones as required (pending site selection).</p>
	<p>Neighbours:</p> <ul style="list-style-type: none"> New Crown Station Crown Point Station Mount Dare Lease area Andado Station Central Lands Council (Finke Land Claim) 	<p>Injury/death to neighbours/visitors</p> <p>Loss/impact to vegetation</p>	<p>DEWNR 35. Build and maintain relationship with neighbours and work with them to foster tenure-blind landscape-scale fire management.</p> <p>DEWNR 36. Provide, where appropriate, support to neighbours to develop and implement Bushfire Survival Plans.</p> <p>DEWNR 37. Investigate opportunities for mosaic burning across the Finke Floodout and Homelands Country to reduce fuel loads and diversify age classes.</p>
Stony Plains Block	Aboriginal Cultural Heritage	Impacts to perimeter fence could allow neighbouring cattle on Country and this could significantly impact on Aboriginal cultural assets and values (e.g. stone arrangements).	<p>DEWNR 38. Identify, as soon as possible, any post-bushfire remediation works that are required e.g. reinstating boundary fence. Work with neighbours and pastoralist, where necessary to implement any actions.</p>
	3 O'Clock Creek Camp Ground	Injury/death to campers Impact/loss of water supply and a drinking water	<p>DEWNR 39. Implement and maintain A-zones around campground and associated infrastructure.</p>