

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

	Value and Location	Risk	Recommended Works
Whole Reserve	Emergency Services	Injury or death during response to a fire event.	WNP 1. Build response capacity through ensuring appropriate levels of training are met by relevant staff. All firefighters will meet DEW Fire Policy and Procedures Manual - 4.4 Fighting Fit Program (DEWNR 2017), with only A & B rated firefighters being deployed. WNP 2. Audit all fire access tracks annually and upgrade/maintain all fire access tracks where necessary. WNP 3. Investigate opportunities to locate and build new strategic fire access tracks to improve access and egress for firefighting appliances where necessary. WNP 4. Investigate opportunities to locate and build new strategic firefighting water sources for prescribed burning activities and response purposes where necessary.
	Aboriginal Cultural Heritage	Impact on or loss of Aboriginal cultural values or assets due to fire management activities, a bushfire, or emergency response activities.	WNP 5. Undertake all fire management activities in accordance with the DEW Fire Policy and Procedures Manual - 5.14 Protection of Cultural Heritage (DEWNR 2017). WNP 6. Ensure all proposed fire management activities are undertaken with approval from the Witjira Co-Management Board, and that culturally important areas, values and assets are not negatively impacted during fire management operations. WNP 7. Utilise classified fire access tracks only. WNP 8. Develop a rolling five year proposed prescribed burn program. WNP 9. Develop maps to display ‘no go’ areas to be used during emergency response.
Whole Reserve	Irrwanyere Aboriginal Corporation/Traditional Owners Visitors/Tour Operators/Research Groups	Bushfire could result in injury or death.	WNP 10. In partnership with the Irrwanyere Aboriginal Corporation support and provide education material about driving in isolated areas and during extreme weather conditions. Provide this information to people traveling to or through Witjira NP. WNP 11. Research groups to comply with the DEW Remote Area Policy on Catastrophic Days and have response plans prepared as part of the required research approvals.
	Finke Floodout Dune Fields Aboriginal Cultural Heritage Emergency Services Staff Neighbours: – 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 or death.– Impact on or loss of Aboriginal cultural values and assets.– Impact on or loss of livestock and feed.– Impact on or loss of ecological integrity.	WNP 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).
	Environmental Assets: – The community of native species dependent on natural discharge of groundwater from the Great Artesian Basin – Finke Floodout and Homelands – Spinifex Country	Impacts from frequent and out season fires may cause changes in habitat diversity and structure, resulting in a loss of ecological integrity. Extinction of an endemic species through an inappropriate fire regime.	WNP 13. Develop and implement a Great Artesian Basin Springs Ecological Fire Management Strategy to guide appropriate fire management. WNP 14. Develop and implement a Finke Floodout and Homelands Ecological Fire Management Strategy to guide appropriate fire management. WNP 15. Develop and implement a Spinifex Country Ecological Fire Management Strategy to guide appropriate fire management. WNP 16. Ensure all fire management related activities are entered through the Fire Information Management System and cultural knowledge and vital attribute data is considered during the planning phase to ensure that impacts to environmental assets are minimised.
Whole Reserve	Environmental Assets	Extinction of an endemic species through an inappropriate fire regime.	WNP 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.
	Environmental Asset - Flora: Spike-rush (<i>Eleocharis geniculata</i>)	Extinction of an endemic species through an inappropriate fire regime.	WNP 18. Ensure occupied habitat is not deliberately burnt without Spike-rush specific fire management considerations. WNP 19. Monitor the effects of bushfire and prescribed burning on the Spike-rush.
	Environmental Asset - Fauna: Rufous-crowned Emu-wren (<i>Stipiturus ruficeps</i>)	Major impacts to sub-populations.	WNP 20. Ensure occupied habitat is not burnt deliberately without Rufous-crowned Emu-wren specific fire management considerations.
	Threats: – Phytophthora – other or unknown pathogens – weeds	Transportation of Phytophthora, other or unknown pathogens or weeds into new areas, with unknown consequences.	WNP 21. Follow the DEW hygiene and maintenance procedures for vehicles and equipment. WNP 22. Investigate opportunities to invest in minor firefighting assets (pumps, hoses, sprinklers, branches) for use only within Witjira NP to reduce the risk of pathogen transportation. WNP 23. Where possible all firefighting appliances will travel via fire access tracks. WNP 24. 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.
Dalhousie Block	Dalhousie Campgrounds and Infrastructure Dalhousie Homestead Ruins Staff Accommodation Kitchen Hutt Water Supply	<ul style="list-style-type: none">– Injury or death to visitors and staff.– Loss of built assets/infrastructure.	WNP 25. Implement and maintain A-zones around campgrounds and infrastructure.
	Dalhousie Springs: – Aboriginal Cultural Heritage – European Heritage – National Heritage – GAB Springs – Whole Block – Endemic Species	Impact or loss of: – Connected spring system – Aboriginal cultural values and assets – Values and assets – Ecological integrity – Endemic species.	WNP 26. Utilise cultural burning and ecological fire management to create a mosaic of vegetation age classes across Dalhousie Springs. WNP 27. Undertake all fire management activities in accordance with the Great Artesian Basin Springs EFMS
Dune Fields Block	Dune Fields Block – Purni Bore Campground and infrastructure	Impact on or loss of built assets/ infrastructure.	WNP 28. Implement and maintain A-zones around campgrounds and infrastructure.
	Neighbours: – Macumba Station – Central Land Council – Simpson Desert – Arabunda Depot	<ul style="list-style-type: none">– Injury or death to neighbours or visitors.– Impact on or loss to vegetation.	WNP 29. Build and maintain relationship with neighbours and work with them to foster tenure-blind landscape-scale fire management. WNP 30. Provide, where appropriate, support to neighbours to develop and implement Bushfire Survival Plans. WNP 31. Investigate opportunities for C-zone mosaic burning across Spinifex Country to reduce fuel loads and diversify age classes.
Finke Floodout Block	Finke Floodout Homelands Dwellings	Impact on or loss of built assets or infrastructure.	WNP 32. Implement and maintain A-zones around dwellings.
	Mount Dare Hotel infrastructure	Impact on or loss of built assets or infrastructure.	WNP 33. Implement and maintain A-zones around Hotel and associated infrastructure. WNP 34. Build and maintain a static water supply (tank) for firefighting purposes.
	Proposed infrastructure: – Alka Seltzer Bore – Finke Depot (built on the Finke).	Impact on or loss of built assets or infrastructure.	WNP 35. Implement and maintain A-zones as required (pending site selection).
	Neighbours: – 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 or death to neighbours or visitors.– Impact or loss to vegetation.	WNP 36. Build and maintain relationship with neighbours and work with them to foster tenure-blind landscape-scale fire management. WNP 37. Provide, where appropriate, support to neighbours to develop and implement Bushfire Survival Plans. WNP 38. Investigate opportunities for mosaic burning across the Finke Floodout and Homelands Country to reduce fuel loads and diversify age classes.
	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).	WNP 39. 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.
Stony Plains Block	3 O’Clock Creek Camp Ground	<ul style="list-style-type: none">– Injury or death to campground visitors.– Impact or loss of water supply and drinking water infrastructure.	WNP 40. Implement and maintain A-zones around campground and associated infrastructure.