Variation to the *Seasonal Watering Plan 2021-22,*Broken wetlands system

Proposed changes are shown in red text

**Table 5.5.5 Potential environmental watering actions, expected watering effects and associated environmental objectives for the Broken Wetlands.**

|  |  |  |
| --- | --- | --- |
| **Potential environmental watering action** | **Expected watering effects** | **Environmental objective(s)** |
| Black Swamp (Partial Fill in winter/spring and top up as required)  TO Icon  | Promote the growth of planted Red Gum saplings and improve condition of River Red Gum Swamp Ecological Vegetation Class (EVC) including river swamp wallaby-grass  | Vegetation |
| Kinnairds Wetland (Fill in winter/spring) Binoculars icon  TO icon | Promote growth and improve River Red Gum Swamp EVC and Plains Grassy Wetland EVC including rigid water-milfoil   | Vegetation |
| Moodie Swamp (Fill in ~~autumn~~ winter/spring and top up as required) TO icon | Promote the growth and improve the condition of the Cane Grass Wetland EVC Promote the growth of rigid water milfoil Provide habitat for brolga feeding, nesting, breeding and other waterbird species   | VegetationWaterbirds |

**Table 5.5.6 Potential environmental watering for the Broken Wetlands under a range of planning scenarios**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Planning scenario**  | **Drought**  | **Dry**  | **Average**  | **Wet**  |
| Expected river conditions  | * Catchment runoff and natural flow into the wetlands are highly unlikely
 | * Catchment runoff and natural flow into the wetlands are unlikely
 | * Some catchment runoff and natural flow into some of the wetlands is likely, particularly in winter/ spring
 | * Catchment runoff and natural flow into the wetlands may significantly contribute to water levels in the wetlands, particularly during winter/spring
 |
| Potential environmental watering – tier 1 (high priorities)  | * Black Swamp
* Kinnairds Wetland

  | * Black Swamp
* Kinnairds Wetland

  | * Black Swamp
* Kinnairds Wetland
* Moodie Swamp
 | * Black Swamp
* Kinnairds Wetland
* Moodie Swamp
 |
| Potential environmental watering – tier 2 (additional priorities)  | * Moodie Swamp
 | * Moodie Swamp
 | * ~~Moodie swamp~~
 | * ~~Moodie swamp~~
 |
| Possible volume of environmental water required to achieve objectives  | * 680 ML (tier 1)
* 1,000 ML (tier 2)
 | * 680 ML (tier 1)
* 1,000 ML (tier 2)
 | * 1,680 ML (tier 1)
* ~~1,000 ML (tier 2)~~
 | * 700 ML (tier 1)
* ~~700 ML (tier 2)~~
 |