

Intermediate Remediation of the Lower Murray Reclaimed Irrigation Area Levees



Background

The Lower Murray Reclaimed Irrigation Area (LMRIA), located between Mannum and Wellington in South Australia, is protected by 27 agricultural levees that span 107 km.

During the 2022-2023 River Murray flood event, 20 of these levees overtopped or breached, causing damage to the levee network and inundating large areas of agricultural land.

As part of the short-term flood recovery, the Government of South Australia undertook immediate stabilisation works to the damaged levee sections, and dewatered inundated agricultural areas to enable primary producers to access their land. Due to the urgent and short-term nature of these works, the methods employed did not return the levees to their pre-flood height or condition.

Intermediate Remediation of the LMRIA Levees

The Intermediate Remediation of the LMRIA Levees will deliver remediation works that will return the levees' flood-damaged sections to their pre-flood height, until longer-term engineered solutions can be completed.

The works will help to mitigate the effects of high-flow events on agricultural land in the LMRIA and provide primary producers the confidence to fully return to agricultural production, until such time the longer-term engineered solutions can be implemented. The works will also provide further protection and mitigate effects on essential infrastructure assets such as those used for power and water supplies, and wastewater and transport routes that are protected by the levees.

Out of scope

Levee banks along the River Murray that are located upstream of Mannum are part of the \$6 million Improving Levee Bank Management project (announced in June 2023), and are not part of the Intermediate Remediation of the LMRIA Levees.

Longer-term engineered solutions or rebuild options for the levees are also excluded from this stage.



The LMRIA agricultural levee located at Long Flat.

Related activities

Several additional activities will operate in parallel:

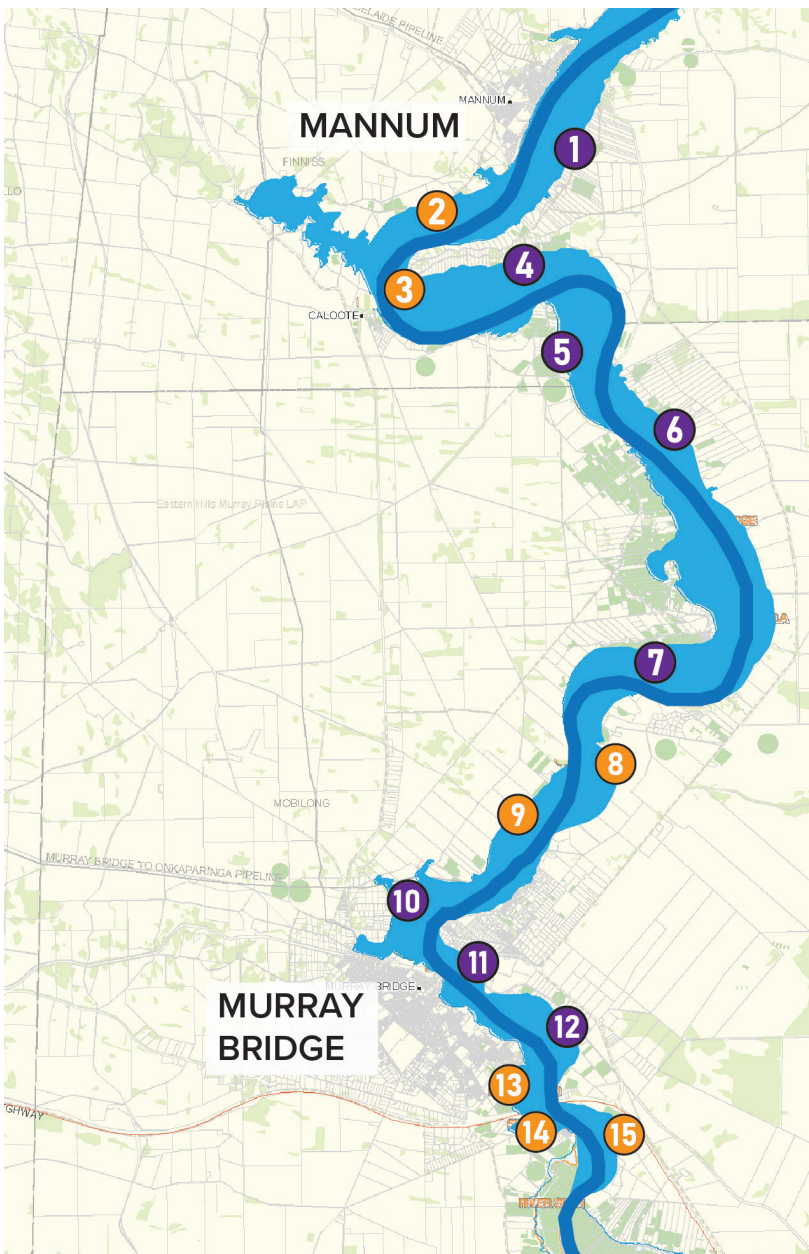
- Full condition assessments and cultural heritage surveys for all government and privately owned LMRIA levees.
- A LMRIA Levee Resilience Investment Strategy, to be developed by the Department for Environment and Water, will make recommendations on longer-term repair and/or rebuild options for the levees, including a proposed minimum design specification and indicative costings. The strategy will be informed by full condition assessments of the levees.
- A LMRIA Levee Governance and Management Strategy, to be developed by the Department for Environment and Water, will clarify longer-term arrangements for the ownership, management, operations and maintenance of the levees, and will be developed in consultation with key stakeholders.

More information

For more information about the Intermediate Remediation of the Lower Murray Reclaimed Irrigation Area Levees, please email dew.wiocommunications@sa.gov.au

environment.sa.gov.au/lmria

Lower Murray Reclaimed Irrigation Area Agricultural levees damaged during 2022-23 River Murray flood



- | | |
|---------------|----------------|
| 1 Cowirra | 11 Burdett |
| 2 Baseby | 12 Long Flat |
| 3 Neeta North | 13 Long Island |
| 4 Neeta | 14 Swanport |
| 5 Wall Flat | 15 Yiddinga |
| 6 Pompoota | 16 Kilsby |
| 7 Mypolonga | 17 Westbrook |
| 8 Glen Lossie | 18 Placid |
| 9 Toora | 19 McFarlane |
| 10 Mobilong | 20 Wellington |

NB: Wellington Marina is excluded as it is not managed as an irrigation area.

Key

- Government levee
- Private levee

