

Mount Bold Dam Safety Upgrade

Reference Group Meeting 1

Thursday 28 May 2020



Government of
South Australia



SA Water

Mount Bold Reservoir

- Situated in southern Mount Lofty Ranges approx. 25 kms south-east of Adelaide near Clarendon, is SA's largest reservoir
- It has approx. capacity of 46,000 mega litres - enough to fill Adelaide Oval more than 93 times!
- It was constructed between 1932 and 1938, and upgraded in 1962 with the dam wall raised 16 metres to provide further storage capacity of additional 16,000 mega litres
- Mount Bold dam was designed and built as a water supply dam purposed to maximise storage levels, as a critical source of water supply for metropolitan Adelaide



Project overview

- Upgrades will be made to Mount Bold to meet the Australian National Committee on Large Dam's (ANCOLD) guidelines to better withstand flood and earthquake events
- Much planning has been undertaken to date including design investigation, environment surveys and condition assessment to inform further work ahead
- While SA Water does not hold responsibility for flood mitigation in our regulated business, there is opportunity to include a design option with increased downstream flood mitigation as part of project works
- Currently, design options include considerations with respect to:
 - strengthening the dam
 - spillway management
 - improving the level of flood mitigation downstream
 - maintaining existing storage capacity

Environment and heritage

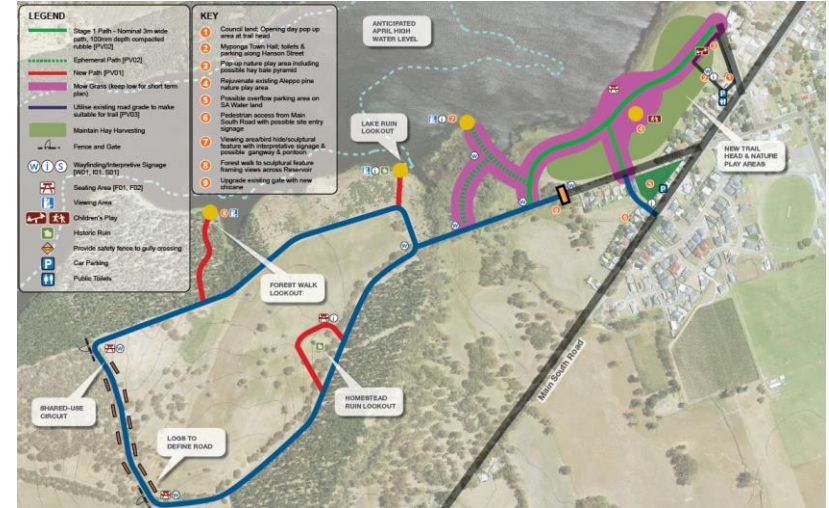
- The reservoir is surrounded by more than 5,500 ha of land and much native vegetation that has conservation significance and biodiversity value
- Preliminary environment and heritage assessments including flora and fauna studies, have been undertaken to understand potential impacts associated with the dam safety project
- Assessments will help inform strategies to minimise environmental and construction impacts and vegetation offsets required



Vegetation showing *Eucalyptus leucoxylon* ± *Eucalyptus* spp. woodland over an open shrub and grassy/herbaceous understorey

Community engagement

- We are working with other government agencies including Stormwater Management Authority, Department for Environment and Water, City of Onkaparinga and Natural Resources Management
- Long term recreational facilities for Mount Bold will be incorporated in our planning as well as opportunities to maintain access during construction
- We will continue engagement with the community to communicate project information and to address interest areas through stakeholder meetings, mailouts and information sessions, online materials and the Reference Group



Example of recreational access masterplan – Myponga

Approvals

- Once the preferred design is chosen, we will continue with detailed design and project planning work
- The project needs to follow a number of approval pathways and consideration to legislation such as:
 - ESCOSA, Cabinet and Public Works Committee
 - Planning and Infrastructure Act, SCAP
 - Native Vegetation Act, EPBC Act
 - Aboriginal Heritage Act, Native Title Act
 - EPA Act, Natural Resources Management Act
 - National Parks and Wildlife Act, Fisheries Management Act
- Depending on necessary approvals, we expect construction to begin around 2022/2023 and take approximately three and a half years
- ABC News SA: <https://www.msn.com/en-au/video/sport/south-australias-largest-reservoir-emptied/vp-BB14tUho>

Project questions.



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