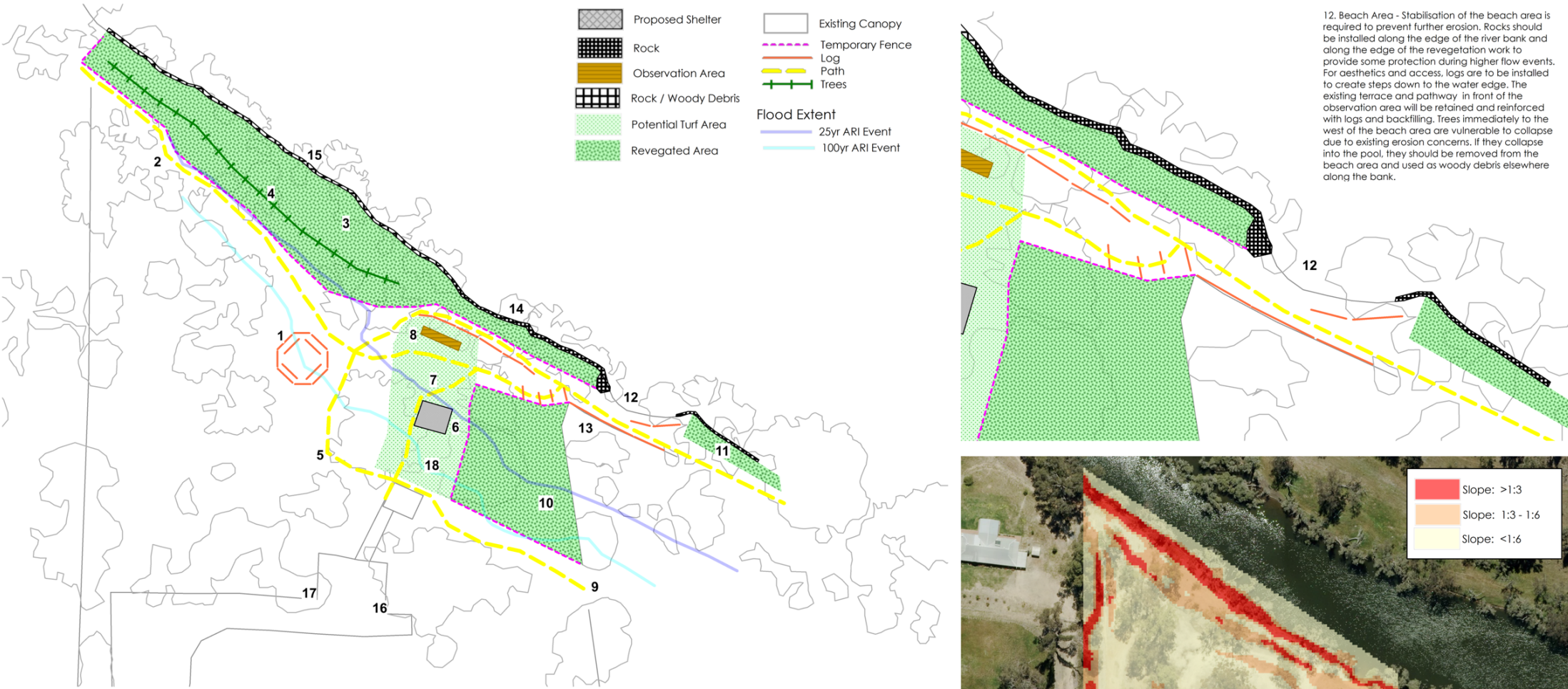


Friends of the Reserve - Boddington (Inc.): Ranford Pool (Darminning Pool) Restoration

Figure 1 - Proposed Layout



12. Beach Area - Stabilisation of the beach area is required to prevent further erosion. Rocks should be installed along the edge of the river bank and along the edge of the revegetation work to provide some protection during higher flow events. For aesthetics and access, logs are to be installed to create steps down to the water edge. The existing terrace and pathway in front of the observation area will be retained and reinforced with logs and backfilling. Trees immediately to the west of the beach area are vulnerable to collapse due to existing erosion concerns. If they collapse into the pool, they should be removed from the beach area and used as woody debris elsewhere along the bank.

- 1. Conversation Pit - located away from existing canopy, fire pit surrounded by logs (final design to be confirmed).
- 2. Pathway Alignment - realignment further up the bank (approximate elevation 211.2 mAHD) to allow for bank stabilisation.
- 3. Revegetation - planting (species list TBC) to assist in stabilising the banks. A temporary fence installed to prevent access during vegetation establishment.
- 4. Larger Tree Planting - long term bank stabilisation will be assisted by larger tree species be planted on the unstable banks, back from areas susceptible to immediate collapse.
- 5. Pathway Alignment - formal alignment of the pathways are required. Paths to be 2m wide and be delineated with rocks on either side of the pathway
- 6. Second Shelter - a second shelter could be considered at this location depending on funding available. BBQ facilities could also be considered at this location.
- 7. Potential Turf Area - turf planted here to define an area for picnics and recreation, subject to funding availability for installation, establishment and maintenance.
- 8. Observation Area - existing pathways create a terrace that provides a suitable observation point, with benches or logs installed. The terrace is susceptible to further erosion from river flows and will need to be reinforced with logs at the base, backfilled with available material to prevent scour. Wheelchair access will be available to this location.

- 9. Existing Gate - Vehicle access should be limited to emergency only. Recreation access should be prevented.
- 10. Revegetation - Area previously used for vehicle access and is degraded (erosion). The steeper areas towards the river (see inset) will be regarded to a gentler slope to provide a stable base for revegetation. Planting will prevent further erosion. Temporary fencing is required during establishment.
- 11. Revegetation - Planting in this area will assist in stabilising the banks upstream of the beach area.
- 12. See inset.
- 13. Existing Fence Alignment - Extension of the beach area (12) and realignment of the path may be considered depending on the land owner.
- 14. Rock Pitching - Large rocks installed along the existing bank edge (at or above the summer water level) to impede scour. Some steeper banks are still prone to collapse. Following collapse, the rocks and trees will create a barrier on the edge of the bank and further prevent scour.
- 15. Rock Pitching or Installation of Large Woody Debris - Depending on material availability or installation practicality, large tree logs could be installed instead of rocks at these locations.
- 16. Existing Emergency Access Gate
- 17. Signage
- 18. Potential table and bench locations, dependent on final design and budget considerations.



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