

FACT SHEET

Reservoir Summaries

Coalition Creek Dam



Coalition Creek was constructed in 1895

- 221ML at full storage capacity
- Originally 13m high zoned earthfill embankment with central concrete core wall. The wall was raised by 0.5m in 1924
- Currently operated 1.6m below full capacity (143ML) due to dam safety concerns.
- Catchment area 0.5km²

Access

- Surrounded by Korumburra Golf Club and private land

Dam Safety Issues

- Erosion through the embankment
- Poor condition of crest, upstream concrete wall and spillway
- Low stability of embankment
- Stability of the outlet tower and embankment is under earthquake loading

Estimated Works/Cost to Address Safety Issues

- Downstream filter buttress, embankment raise, upgrade spillway and outlet tower anchorage
- \$6.0M (2015 costs)

Ness Gully Dam



Ness Gully was constructed 1927

- 74ML at full storage capacity
- 11m high zoned earth fill embankment with central concrete core wall
- Licence restrictions to utilise water in June, July and August only
- Catchment area 1.3km²

Access

- Land-locked by private land

Dam Safety Issues

- Erosion through the embankment
- Poor condition of crest and downstream embankment
- Spillway capacity insufficient

Estimated Works/Cost to Address Safety Issues

- Downstream filter buttress, spillway upgrade, embankment improvement. \$4.8M (2015 costs)

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Reservoir Summaries

Bell View Creek Dam



Bell View was constructed 1958

- 362ML at full storage capacity
- 16m high homogeneous earth fill embankment
- Historically high underground water (phreatic) levels within the dam embankment
- Catchment area approx. 4km²

Access

- Land-locked by private land

Dam Safety Issues

- Erosion through the embankment
- Stability of the outlet tower and embankment under earthquake loading
- Spillway remedial works required

Estimated Works/Cost to Address Safety Issues

- Downstream filter buttress, spillway strengthening and tower anchorage; \$4.7M (2015 costs)

Little Bass Dam



Little Bass was constructed 1973

- 182ML at full storage capacity
- 10m high homogeneous earthfill embankment
- Catchment area 7km²

Access

- Adjacent to public roadway

Dam Safety Issues

- Erosion through the embankment and saturated foundation conditions
- Stability of the outlet tower under earthquake loading

Estimated Works/Cost to Address Safety Issues

- Downstream filter buttress, strengthen outlet tower, replace walkway piers, embankment improvement works; \$3.3M (2015 costs)