

G. Dam improvement programs

Figure G1
Significant Seqwater dam improvement programs

| Project | Status |
|----------------------------|--|
| Lake Macdonald Dam Upgrade | <ul style="list-style-type: none"> Upgrade Stage 2—detailed design completed in October 2019. Early construction activities began in late 2020. |
| Ewen Maddock Dam | <ul style="list-style-type: none"> Upgrade Stage 2A—construction began March 2020. Expected completion is 18 months, subject to weather and site conditions. |
| Somerset Dam | <ul style="list-style-type: none"> Detailed business case in progress and planning work is set to continue through 2021. The detailed business case will determine final delivery methodology; the commencement of any works will be dependent upon government approvals. Construction is expected to take approximately four to five years. |
| North Pine Dam | <ul style="list-style-type: none"> Planning is in place for a dam upgrade to increase capacity to withstand extreme floods. Business case development will commence in 2021. The business case will determine the delivery methodology and construction timeframes. |

Source: Compiled by the Queensland Audit Office from Seqwater information.



Figure G2
Significant Sunwater dam improvement programs

| Project | Status |
|---------------------------|--|
| Burdekin Falls Dam | <ul style="list-style-type: none"> • A detailed business case for Burdekin Falls Dam improvement and raising project is expected to be completed in late 2021. • Detailed planning for construction of the improvement works is scheduled to commence on completion of the detailed business case. • An Environmental Impact Statement (EIS) for the raising project is occurring in parallel to the detailed business case. The EIS is expected to be completed by 2023. |
| Fairbairn Dam | <ul style="list-style-type: none"> • Stage 1—spillway upgrade, completed December 2016. • Stage 2—replication of Stage 1 on the next section of the spillway is in progress, scheduled for completion by late 2020 (weather permitting). • Stage 3—construction of new concrete gravity sidewalls was completed in December 2019. |
| Leslie Dam | <ul style="list-style-type: none"> • Preliminary business case is in progress, with further studies to be completed in 2020–21 to determine the extent of works required. |
| Teemburra Dam | <ul style="list-style-type: none"> • A preliminary business case was started in 2019–20 to review the need for dam improvement works and assess the best options, including a detailed dam safety review and risk assessment. |
| Coolmunda Dam | <ul style="list-style-type: none"> • A preliminary business case was started in 2019–20. Pending the results, the project may involve spillway repairs, wall strengthening, and drainage improvements. |
| Paradise Dam | <ul style="list-style-type: none"> • Detailed business case is underway (led by Building Queensland) to identify the best long-term solution for Paradise Dam. • Essential spillway works started in May 2020 and are expected to reach completion in early 2021, which will significantly reduce the safety risk. |
| Fred Haigh Dam | <ul style="list-style-type: none"> • Stage 1a—was completed in November 2019. It included repairing scour damage from previous flooding. • Stage 1b—is scheduled to be complete in 2020–21. It will build on these works and risk assessments to decide if further work is required. |

Source: Compiled by the Queensland Audit Office from Sunwater information.