

PARADISE DAM—SECONDARY SPILLWAY IMPROVEMENT PROJECT

RESPONSIBLE AGENCY

SUNWATER

PROPOSAL STAGE OF DEVELOPMENT

PRELIMINARY BUSINESS CASE COMPLETE

PLANNED STAGE END DATE

NOT APPLICABLE

ESTIMATED COST OF DELIVERY

\$160 MILLION*



NEED

Paradise Dam is located approximately 80 kilometres south west of Bundaberg on the Burnett River. It is a key component of the Bundaberg Water Supply Scheme—holding up to 300,000 megalitres of water for the city of Bundaberg and farmland irrigation.

During the 2013 floods, extensive scour occurred downstream of the primary spillway. SunWater immediately repaired the scour and downstream toe. It also investigated options to prevent scour from occurring in future extreme weather events.

This investigation identified necessary improvements to the secondary spillway. Improvement works are being proposed to maintain efficiency and safe operation of the secondary spillway during extreme weather events.

This project represents the highest priority for this storage beyond the works currently under construction.

PROPOSAL

SunWater proposes improvements to the secondary spillway to prevent significant scour in major flood events. Upgrades will include constructing a concrete apron and training wall in the secondary spillway, addressing the potential for scour.

This will ensure the dam continues to function as intended in line with best management practices for large dams. SunWater regularly conducts dam improvement projects in line with national industry guidelines to maintain safe and efficient dam operation.

NEXT STEPS

Commence Detailed Business Case

Building Queensland to lead Detailed Business Case

*Nominal cost in Australian dollars 2015, estimate provided by Responsible Agency.