

LOWER FITZROY RIVER INFRASTRUCTURE PROJECT

OTHER PROJECT INFRASTRUCTURE

Access to Eden Bann Weir

Existing access to Eden Bann Weir is via the left (northern) bank along the Bruce Highway, local gravel roads (Atkinson Road, Mona Vale Road and Eden Bann Road) and a private road. The Bruce Highway/Atkinson Road intersection will be upgraded to accommodate construction traffic.

A new 12 km access road will be constructed to the right (southern) bank of the Eden Bann Weir off Ridglands and Marble Ridges roads providing access through to Rockhampton.

Access to Rookwood

The proposed Rookwood Weir site is currently accessible via public roads from the right (eastern) bank, along Third Street, Riverslea Road and Thirsty Creek Road from Gogango .

Thirsty Creek Road and the Capricorn Highway/Third Street intersection will be upgraded to accommodate construction traffic.

Gauging stations

The relocation of existing and/or installation of new gauging stations is proposed as part of the Project as follows:

- SunWater's existing gauging station downstream at Wattlebank will be retained
- SunWater's existing gauge at The Gap immediately upstream of Eden Bann Weir will be recalibrated
- A new gauging station will be installed on a rock bar directly downstream of Rookwood Weir
- The existing Department of Natural Resources and Mines gauging station at Riverslea will be recalibrated

Crossings

River crossing upgrades aim to maintain the connectivity and function of the existing road network and provide improved flood immunity.

The project proposes to:

- Upgrade Glenroy Crossing to single lane bridge
- Upgrade Riverslea Crossing to single lane bridge
- Upgrade Foleyvale Crossing to double lane bridge (Rookwood Weir Stage 2 only)
- Install new culverts at Hanrahan Crossing to accommodate operational releases downstream of Rookwood Weir (flows up to 50 m³/s).

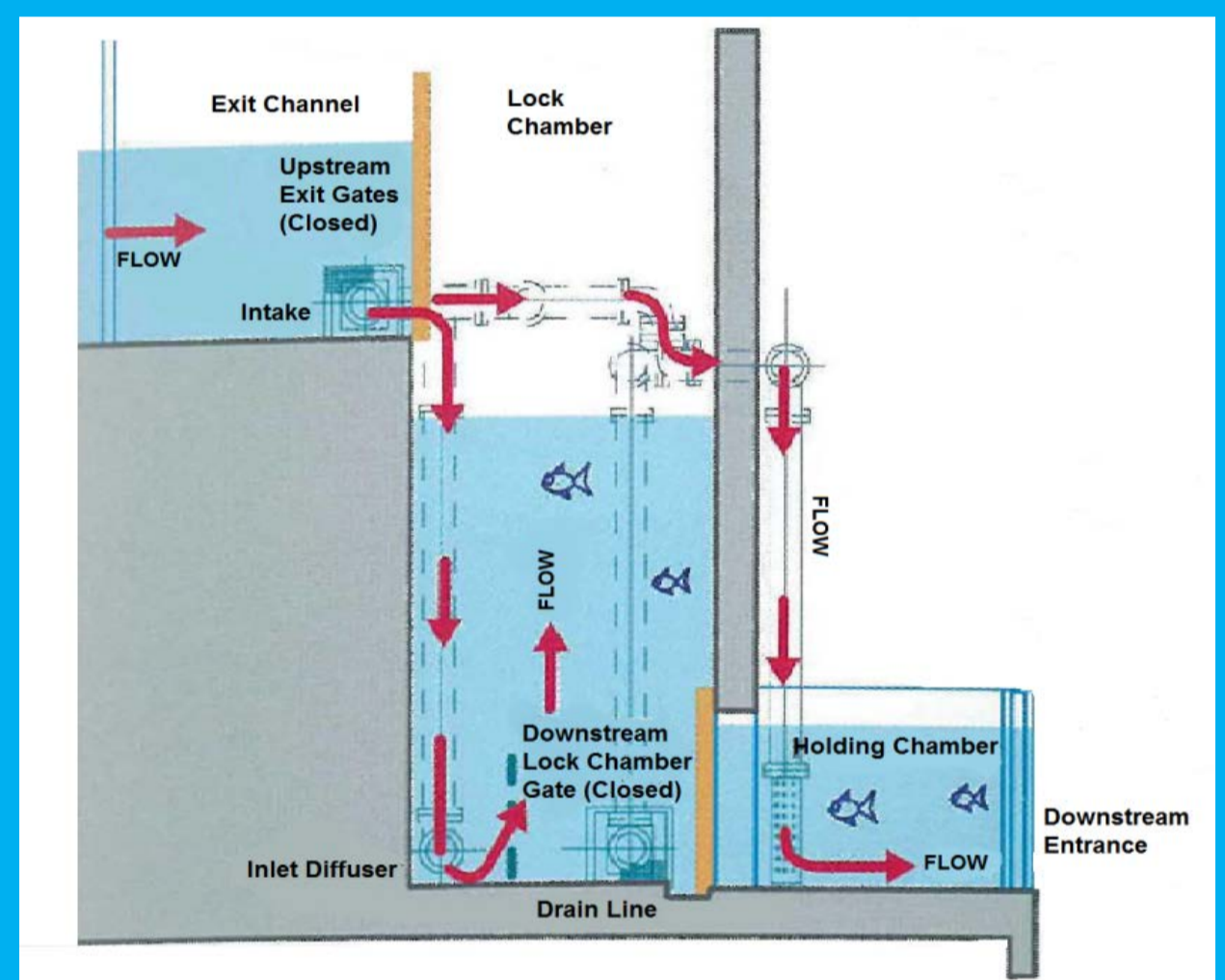


Photograph 1: Riverslea Crossing

Fish locks

Fish passage infrastructure has been designed to preliminary design stage

- Eden Bann Weir fish passage infrastructure:
 - An upgraded fish lock on the left (northern) bank
 - A new fish lock located on the right (southern) bank
 - Caters for high and low reservoir levels for flows from zero to 2700 m³/s.
- Rookwood Weir fish passage infrastructure:
 - A right bank fish lock to cover low and high reservoir levels
 - Cater for flows from a minimum operating level up to 500 m³/s.



Turtle passage

A turtle ramp is proposed for the right (northern) bank at Eden Bann Weir and the right (western) bank at Rookwood Weir.

Turtle ramp comprises a purpose built and appropriately graded concrete lined channel with resting pools and attraction flows.



Photograph 2: Foleyvale Crossing