



Tasmanian Irrigation

Southern Highlands Irrigation Scheme - June 2016

With Government funding being approved construction of the Southern Highlands Irrigation Scheme (SHIS) has begun. The SHIS is the first of Tasmanian Irrigation's (TI) Tranche Two schemes to progress into construction and is on schedule to provide water to the scheme irrigator's for the 2017/18 irrigation season. Originally planned to provide 6,500ML of high reliability irrigation water to the Bothwell region the SHIS was increased to a 7,215ML scheme after an extremely successful water sales program. Demand for water entitlements was so strong that an increase in scheme size was warranted and TI completed a re-design of the scheme to meet this increase in demand.

Scheme infrastructure includes a 7,600ML storage dam located at Southernfield, a 1MW pump station situated on the Shannon River, 58km of distribution pipeline and two booster pump stations. The scheme will deliver water over a 150-day irrigation season.

Southernfield Dam

Construction of the Southernfield Dam was awarded to Gradco Pty. Ltd. in late 2015 with works on site commencing in March 2016. Gradco is a Tasmanian earth moving company with significant experience in dam building. The Southernfield Dam is a zoned earth filled design with the wall spanning 500m in length and 26m in height. Apart from some filter materials the majority of construction materials are expected to be sourced from the site. Work to date has included the establishment of borrow pits, stripping of the dam footprint and the commencement of the excavation of the keyway. TI's Project Manager Alan Colson says that it is pleasing to see the works progressing to schedule. The below ground works are integral to a successful project and once these are completed then construction of the dam wall will commence. Completion of construction is scheduled for June 2017. Construction of the dam has required the re-routing of the Southernfield Road.

Shannon River Pump Station (SRPS)

Located on the eastern bank of the Shannon River the SRPS will have a dual purpose of extracting winter flows from the Shannon River to be stored at the Southernfield Dam and for boosting scheme water through the distribution pipeline during the irrigation season. In December 2015 Andrew Walter Constructions (AWC) was awarded the construction contract and commenced site works in May 2016. The SRPS is situated on the site of the current TI small pump station constructed in 2008. This pump station along with the associated pipeline will be removed from site and the recovered pipe utilised in the SHIS.

The SRPS is a 1MW pump station with its design driven by the requirement for flexibility during operation. During winter the SRPS will pump up to a rate of 85ML/day, but during summer when the scheme may be pumping small releases from Great Lake this may be reduced down to 2ML/day. To enable this type of pumping scenario pump selection is critical. Netco will supply the pumps.



Shannon River Pump Station (SRPS) Site

Scheme Contacts

TI encourages feedback from the Community in regard to the SHIS. For any other information regarding the scheme please contact TI or the SHIS Working Group.

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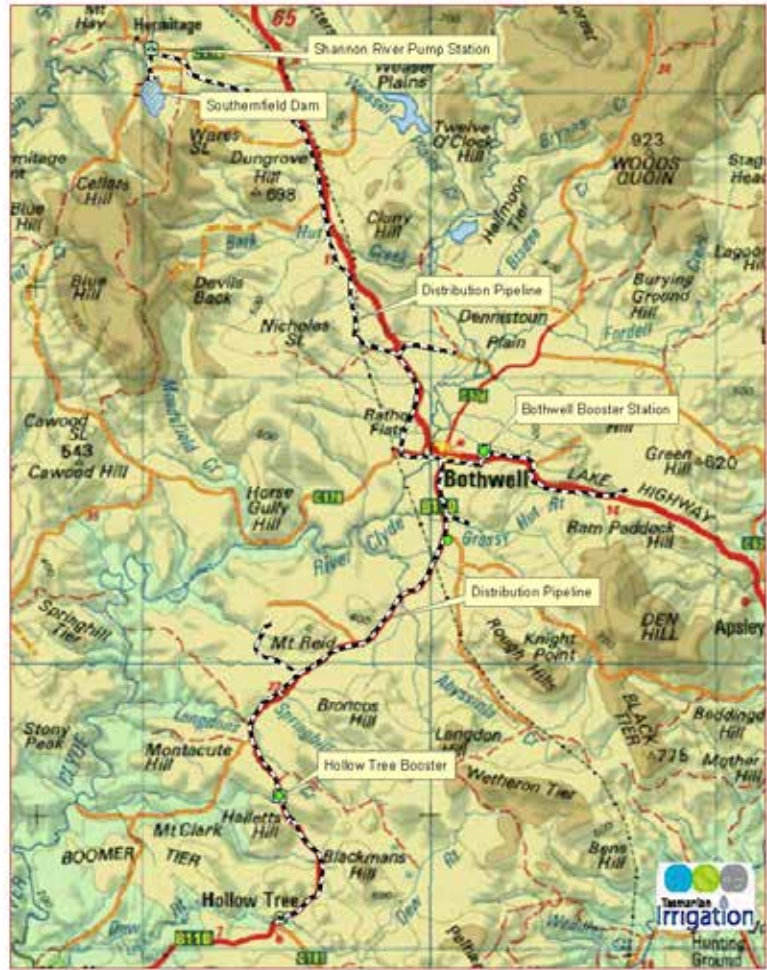
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Distribution Pipeline and Booster Pump Stations

The SHIS will supply high reliability irrigation water for an area commencing near Waddamana Road, south to Bothwell and onto Hollow Tree. Spur lines will provide water to land east of Bothwell and to properties that do not have direct access to the main distribution pipeline. In total 58km of HDPE pipeline is required to be installed. The pipeline diameter ranges from 180mm to 710mm. Andrew Walter Constructions (AWC) will complete the works which are due for completion by June 2017. At full production AWC are likely to have 3 or 4 pipe laying crews. Landowner Access Agreements are required with landowners prior to works commencing on private property and AWC will be contacting landowners throughout the project area to progress these agreements.

Construction of two booster pump stations are required. The Bothwell Booster will be located on the eastern edge of Bothwell and boost water to enable the delivery to properties to the east along Highlands Lake Road. The Hollow Tree Booster will boost water for the delivery to properties south of Halletts Hill down to Hollow Tree.



First deliveries to site of DN630 HDPE pipe

This newsletter contains information of a general nature and reasonable care has been taken to ensure accuracy at the time of publication. Scheme details and policies may change and individual circumstances may vary. This newsletter should not be relied upon as a basis of individual decision-making. For more information and details regarding the articles in this issue, please contact:

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