

kanamaluka/Tamar estuary

TasWater update

August 2022

We have two major initiatives in the Launceston region:

- **Tamar Estuary River Health Action Plan** - Improvements to our pipelines, network storage and pumping capacities to help divert sewage and stormwater away from kanamaluka/Tamar estuary
- **Launceston Sewerage Improvement Plan** - Significant upgrades to our sewage treatment plants

Preparing a barge for geotechnical drilling



TasWater proudly acknowledges the Tasmanian Aboriginal people as the Traditional Owners and Custodians of lutruwita – Aboriginal land, sea and waterways. We pay our deep respects to the Elders past and present and acknowledge today's Tasmanian Aboriginal community.

Tamar Estuary River Health Action Plan (TERHAP)

The Tamar Estuary River Health Action Plan (TERHAP or the Plan) is an initiative of the Tamar Estuary Management Taskforce (TEMT) and the Launceston City Deal, to improve the health of kanamaluka/Tamar estuary.

TERHAP is jointly funded by the Australian and Tasmanian governments, the City of Launceston and TasWater.

Improvements

We're delivering projects to improve the operation of Launceston's combined system which manages the flow of both sewage and stormwater. The projects will help to divert sewage and stormwater flows away from kanamaluka/Tamar estuary, reducing the frequency and volume of overflow events.

These improvements include:



Upgrades of existing and construction of new pump stations to increase pumping capacities



Constructing new network storages to reduce overflows



Building additional pipelines to transfer greater flow volumes

TAMAR ESTUARY RIVER
HEALTH ACTION PLAN IS
A PARTNERSHIP BETWEEN



Benefits

Delivery of these projects will provide measurable benefits to kanamaluka/Tamar estuary.

These forecast benefits include:



Targeting a 66 per cent reduction in combined sewage and stormwater overflow volumes in an average rainfall year



Reducing the presence of human waste-related bacteria concentrations in Tamar Estuary Zone 1 in an average rainfall year by up to 36 per cent

Together with the Tamar Estuary Management Taskforce and the Launceston City Deal, we're improving the health of our waterways.

Works undertaken to date

We're making good progress on the TERHAP combined system improvement projects.

Activities undertaken to date include:



Site investigations to enable design and construction activities related to:

- Aboriginal cultural and European heritage
- Flora and fauna assessments
- Scoping of environmental approvals
- Geotechnical works
- River crossing investigations
- Surveys



Designing new infrastructure for pipelines, storage facilities and pump stations



Construction of a new pipeline at Esplanade/St John Street

Upcoming works

We have a significant number of major projects scheduled for implementation.

Project	Status
Esplanade/St John Street rising main pipeline upgrade	Design - Completed Construction - Commenced
Margaret Street diversion works	Design - Commenced Construction - Late 2022
Rising main pipeline from the new Eastern Sewage Pump Station to Ti Tree Bend Sewage Treatment Plant	Design - Commenced Construction - 2023
10 megalitre covered storage at Ti Tree Bend Sewage Treatment Plant and improvements to the incoming rising main pipelines	Design - Commenced Construction - 2023
Margaret Street Sewage Pump Station upgrade	Design - Commenced Construction - 2023
Rising main pipeline from the Margaret Street Sewage Pump Station to Ti Tree Bend Sewage Treatment Plant	Design - Commenced Construction - 2023
Eastern Sewage Pump Station	Design - 2023 Construction - 2024

For more information about other kanamaluka/Tamar Estuary River Health Action Plan projects [click here](#).

For more information about the Tamar Estuary Management Taskforce [click here](#).



Esplanade/St John Street pipeline works

Launceston Sewerage Improvement Plan (LSIP)

The Launceston Sewerage Improvement Plan (LSIP) will deliver a number of projects involving significant upgrades to our sewage treatment plants in the Launceston region.

LSIP represents a once-in-a-generation opportunity to improve the way we treat Launceston's sewage. We've already begun our significant program of planning, analysis, and design work to confirm the preferred approach.

While planning for LSIP is well under way, we have also continued to invest in improvements to our existing sewage treatment plants at the following locations:

- Legana
- Newnham
- Riverside
- Ti Tree Bend
- Hoblers Bridge
- Norwood
- Prospect

Delivered Improvements

Some of the works we've already completed at these plants to improve our treatment processes include:

Aeration - adding air into wastewater to allow biodegradation of the organic materials

Inlet screening - removal of solids, grit and other debris in the pre-treatment phase

Odour controls - chemical treatments to help reduce odour

Peak-flow management - improvements to better manage higher flow periods


New chlorine analysers and control systems - improving the effectiveness of our disinfection processes as the last step of treatment

Digester upgrades - replacement of digester tank pipework and lids

Solids handling - major upgrade to solids handling infrastructure at Ti Tree Bend Sewage Treatment Plant

Improvements on all our sewage treatment plants have include flow monitoring and upgrades of hydraulic modelling.

For more information about these projects visit us at taswater.com.au

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Ti Tree Bend Sewage Treatment Plant