

Brown Hill Keswick Creek

STORMWATER PROJECT

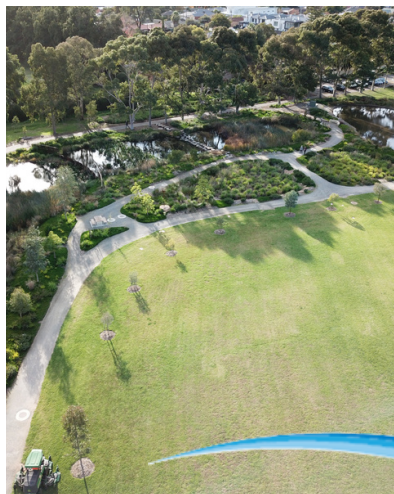
Project Update March 2024



Welcome to our new look newsletter

This project update provides our owner Councils and interested parties information on the current financial performance of the Brown Hill and Keswick Creeks Stormwater Board, an overview of capital works projects, and recent activities of interest.

Prepared by Peta Mantzarapis, Project Director



In This Edition

- Financial Summary
- Project Delivery and Funding Applications
- Lower Brown Hill Creek, Packages 1-3
- Upper Brown Hill Creek, Area 3 Millswood
- Maintenance and Operating Report

Further Information:



1800 934 325



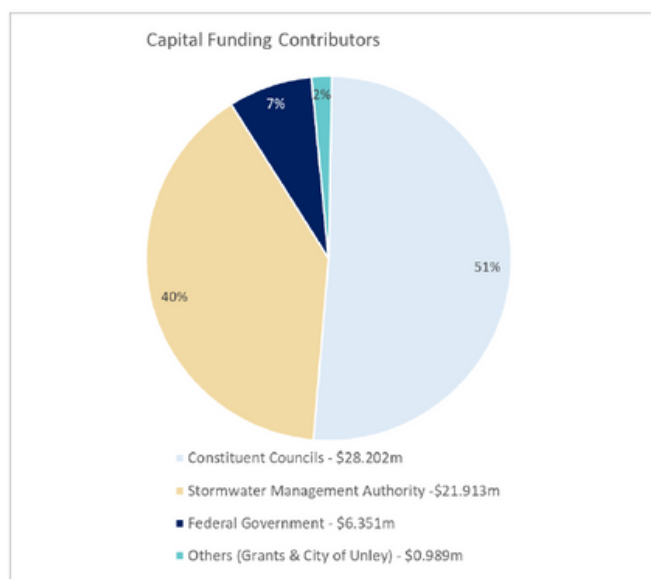
info@bhkcstormwater.com.au

FINANCIAL SUMMARY

Financial Summary as at 29 February 2024

Capital funding is provided by five Constituent Councils – the Cities of Adelaide, Burnside, Mitcham, Unley and West Torrens - and the Stormwater Management Authority. In addition, \$21m in Commonwealth Government funding has been committed to the project, including:

- \$10m under the Preparing Australian Communities Program toward delivery of Lower Brown Hill Creek Upgrades
- \$6.1m under round 1 of the Disaster Ready Fund toward delivery of capacity upgrades in Upper Brown Hill Creek, Forestville and Hawthorn
- \$4.9m under round 1 of the Urban Rivers and Catchments Program toward delivery of creek upgrades to Forestville Reserve, Orphanage Park and Betty Long Gardens.



FY24 YTD Operating Summary

	Actual YTD	Budget YTD	Variance \$
Income	\$1,027,538	\$890,860	\$136,678
Expenses	(\$681,539)	(\$578,892)	(\$102,647)
Net Surplus	\$345,999	\$311,968	\$34,031
Depreciation	(\$112,348)	(\$112,352)	\$4

The only notable variance between budgeted and actual operating expenses relates to asset maintenance. Maintenance works are reported separately herein.

Grant funding applications have been submitted in recent weeks, including:



- \$1.66m under round 2 of the Disaster Ready Fund toward delivery of capacity upgrades in Upper Brown Hill Creek, Millswood along with design services and flood modelling
- \$3.6m under round 2 of the Urban Rivers and Catchments Program toward delivery of capacity upgrades in Upper Brown Hill Creek, Hawthorn



In November 2023, the Department for Infrastructure and Transport committed to progressing Stage 3 – Flow Diversions through to detailed design. Delivery of the Flow Diversions will provide significant flood protection benefits to critical assets including Adelaide Airport, Keswick Army Barracks, Ashford Hospital, ARTC rail network and the North South Corridor Project. Board representatives continue to engage with DIT to provide assistance where required and advocate for delivery of the works.

PROJECT DELIVERY

The Stormwater Management Plan outlines a whole of catchment flood mitigation strategy that comprises 4 stages:



Stage 1 – Flood detention **(Complete)**
Detention storages in the upper catchment that will reduce the downstream flow rates.



Stage 2 – Lower Brown Hill Creek **(In Progress)**
Upgrading the flow capacity of Lower Brown Hill Creek so that it can receive the diverted flows from Keswick Creek.



Stage 3 – Flow Diversions **(On Hold and Unfunded)**
Diversion of flows from Keswick Creek to Brown Hill Creek before they can 'break-out' of the channel.



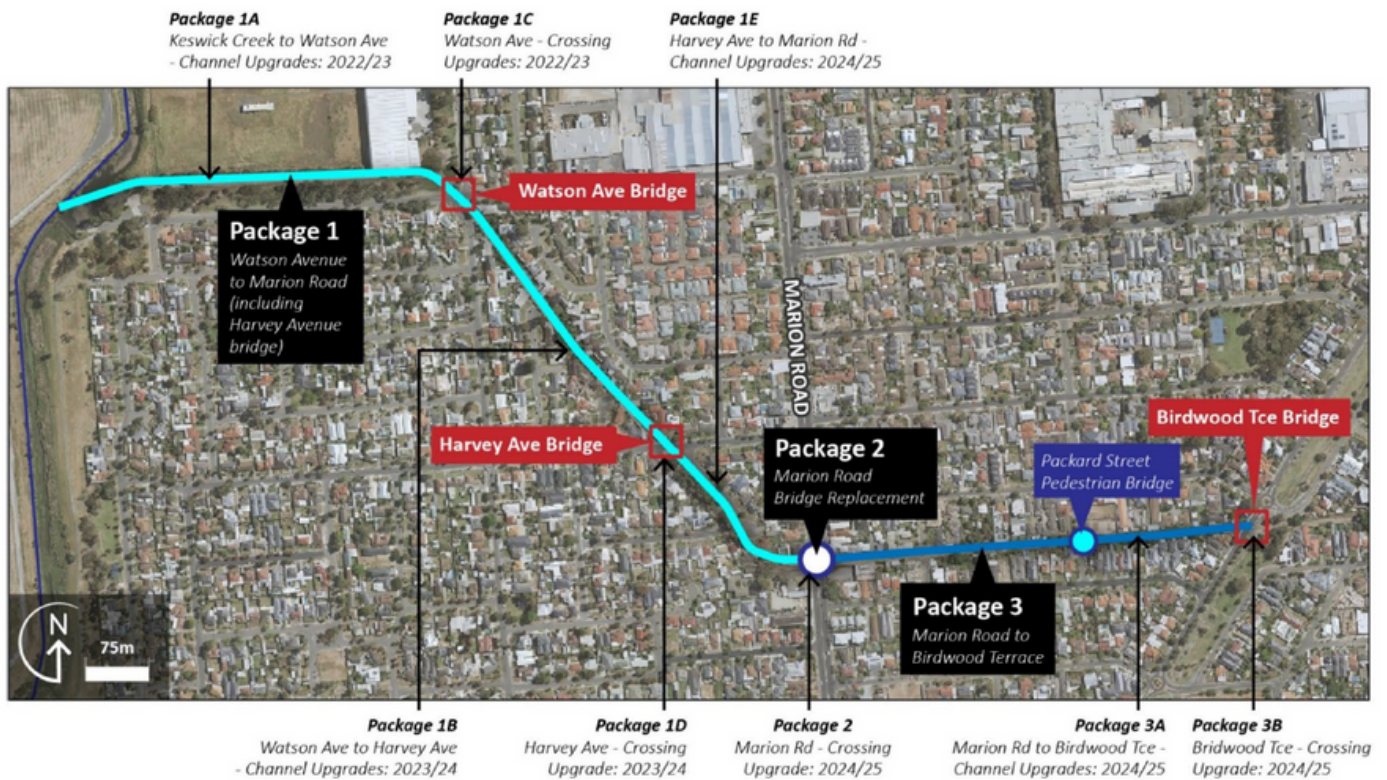
Stage 4 – Upper Brown Hill Creek **(In Progress)**
Upgrading the flow capacity of Upper Brown Hill Creek and Glen Osmond Creek to prevent 'break-outs' and flooding of private property.

While the Board continues to prioritise the pursuit for additional project funding, the current delivery schedule focusses on completion of Lower Brown Hill Creek upgrades and targeted priority areas within Upper Brown Hill Creek.

The significant flow event in November 2023 provided a recent reminder of the impact of flooding in the catchment with extensive damage in some locations. This event also highlighted the previously flood affected properties that are now protected following recent creek upgrades in their location.

LOWER BROWN HILL CREEK PACKAGES 1 -3

Packages 1 to 3 of the Lower Brown Hill Creek Upgrade involves doubling the flow capacity of a 1.7-kilometre-long section of channel between the south-eastern corner of Adelaide Airport and Birdwood Terrace. The channel is primarily situated within a 12-metre-wide drainage corridor owned by City of West Torrens.



Key Messages

A major flow event occurred in the catchment on 28 November 2023 resulting in relatively short-term impacts to construction progress for Packages 1A and 1C.

Package 1A

The new outfall to Keswick Creek has just commenced (having been scheduled to follow Green Adelaide’s clean-out of the sediment basin).

Package 1B

Construction commenced for Package 1B in January 2024. Rapid progress has been made since, aided by both the period of dry weather and the occupation (under Licence Agreement) of vacant privately owned land next to the channel. An accelerated delivery program is now being pursued for this package.

Package 1D

Construction commenced for Package 1D in January 2024. Harvey Avenue was closed on 12 February 2024. The precast culverts for this package are being stored at a nearby Council facility ready for deployment.

Package 1C - Has reached Practical Completion.

LOWER BROWN HILL CREEK PACKAGES 1 -3 CONTINUED

Recent Works and Focus Areas

November 2023 to February 2024 activities included:

- Substantial completion of construction for Package 1A and completion of construction for Package 1C.
- Completion of gas and telecommunication relocations at Harvey Avenue (Package 1D).
- Commencement of construction for Package 1B and Package 1D.
- One-on-one engagement with property owners that are directly affected by Packages 2, 3A and 3B for construction in 2024/25.
- Detailed design of remaining work packages, including the relocation of the SA Water trunk main in Marion Road.

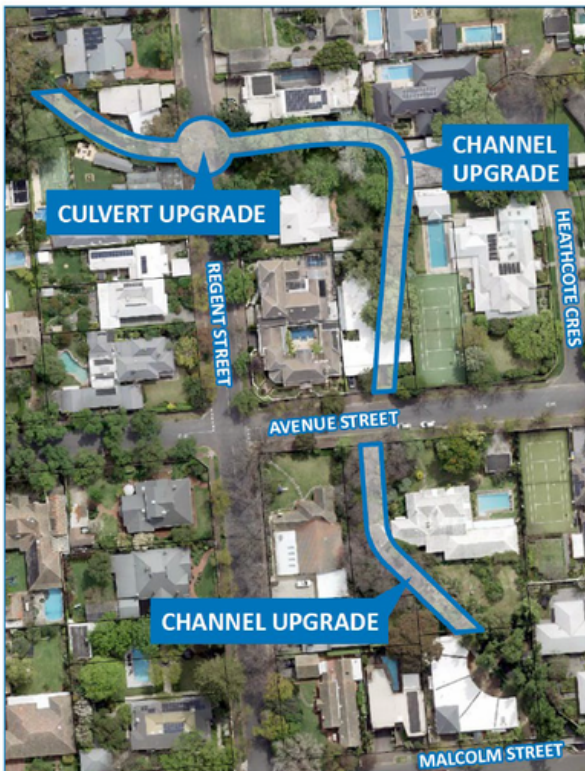


March and April activities will include:

- Completion of construction for Package 1A.
- Continuation of channel works for Package 1B.
- Culvert installation for Package 1D.
- Progress detailed design and approvals with DIT and SA Water for Package 2.
- Prepare tender documents for Packages 3A and 3B.
- One-on-one engagement with property owners that are directly affected by Packages 2, 3A and 3B for construction in 2024/25.

UPPER BROWN HILL CREEK AREA 3, MILLSWOOD

The capacity of the section of Brown Hill Creek from just downstream of Regent Street to just upstream of Avenue Street Millswood is being upgraded, including upgrade of the Regent Street culvert. The creek passes through several privately owned properties and the project team have been engaging closely with owners over the course of the design development and during construction.



Key Messages

- Substantial progress has been made on-site since works resumed in January 2024 and the channel upgrades are nearing completion, including the stone veneer amenity finish.
- The focus is now on completing the pavement and kerb reinstatement in Regent Street and the installation of fences and safety barriers.
- Camco expect to demobilise from the Licence Area at Regent Street by the end of March 2024,
- Camco will retain a small presence on the Licence Area at Avenue Street while the remaining landscape reinstatement works are completed (mostly plantings scheduled for April and May 2024).

A major flow event occurred in the catchment on 28 November 2023, followed by a high wind event on 11 December 2023 resulting in significant impacts to construction progress in the lead-up to the Christmas shut-down.



UPPER BROWN HILL CREEK AREA 3, MILLSWOOD CONTINUED

Recent Works and Focus Areas

November 2023 to February 2024 activities included:

- Completed culvert installation at Regent Street.
- Substantially completed the remaining block walls for Avenue Street to Regent Street – Channel Upgrades and the stone veneer installation for properties that have opted for high amenity finishes.
- Commenced replenishment of cobbles to the creek base and landscape reinstatement works for overbank areas.
- Continued liaison with the affected property owners regarding construction scheduling, site matters and landscape reinstatement.



March and April activities will include:

- Reinstate road pavement and kerbs and re-open Regent Street to through traffic.
- Reinstate boundary fences that were removed to facilitate construction access and install new safety fences and barriers alongside the channel.
- Continue landscape reinstatement on private property including irrigation and plantings.
- Clean up and demobilise from the Regent Street Licence Area.
- Continue liaison with the affected property owners regarding construction scheduling, site matters and landscape reinstatement.

MAINTENANCE AND OPERATING REPORT FOR COMPLETED WORKS

Summary of Completed Works as at 29 February 2024

Stage	Sub-project	Responsibility for Maintenance ¹
Flood Detention	Ridge Park Flood Control Dam	City of Unley
	Glenside Flood Detention Basin	BHKCSB – stormwater infrastructure delivered under the plan. City of Burnside – all non-stormwater assets located on site.
	South Park Lands Pakapakanthi Wetland & Creek Works	BHKCSB – stormwater infrastructure delivered under the plan. City of Adelaide – all existing infrastructure and non-stormwater assets located on site.
LBHC	LBHC – Daly Street Bridge	BHKCSB – stormwater infrastructure delivered under the plan. City of West Torrens – road components of the project.
UBHC	UBHC Area 1 Everard Park	BHKCSB – stormwater infrastructure delivered under the plan (culvert). City of Unley – ground level improvements associated with the shared use path.
	UBHC Diversion – DPTI Culvert	DPTI
	UBHC Hawthorn Reserve	BHKCSB – stormwater infrastructure delivered under the plan. City of Mitcham – all existing infrastructure and non-stormwater assets located on site

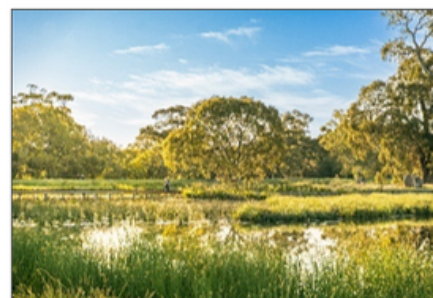
¹ Responsibility for clearing blockages within the creek is always the responsibility of the property owner.



1 Ridge Park Dam



2 Glenside Detention Basin-Channel



3 Pakapakanthi Wetland



4 LBHC Daly Street Bridge



5 UBHC Everard Park



6 UBHC Hawthorn Reserve

MAINTENANCE AND OPERATING REPORT FOR COMPLETED WORKS CONTINUED

YTD Annual Maintenance Budget vs Actual

	Actual to 29 February 2024	Budget to 29 February 2024	Variance \$
Glenside Detention Basin ¹	\$99,150	\$88,000	\$11,150
Pakapakanthi Wetland ²	\$180,643	\$92,000	\$88,643
Other Works	\$0	\$6,667	(\$6,667)
Total	\$279,793	\$186,667	\$93,126

¹ Glenside actuals include once a year clean behind screens which was undertaken in August 2023.

² Wetland actuals include targeted algae and weed (Eragrostis and Kikuyu) removal in October-November. This requirement is likely to reduce as the wetland establishes. The defects period expires in May 2024 and discussions are underway regarding FY25 maintenance costs with the proposal to include a set monthly fee. This will provide increased certainty regarding expected costs and will remove the need for multiple layers of administrative oversight. The wetland maintenance expense overrun is being funded using surplus operating funds held by the Board.

