

# Case Study: Reimagining Arnold's Creek, on ground revegetation and establishing a native vegetation profile for Melbourne Water

Image: Revegetation of Arnold's Creek within the Urban section of the creek. Planted by Acacia Environmental.

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**Company Name**  
Acacia Environmental Management

**Service Provided**  
Revegetation, On Ground Service Delivery

Acacia Environmental Management deliver strategic planning and service delivery in partnership with primary land managers. Acacia can assist agencies tasked with land management understand their regulatory requirements, site values and threatening processes impacting their site/s. A tailored plan can be developed to suit the specific needs of your organisation – we can even deliver the on-ground works.



For more information, visit [acaciaenvironmental.com.au](https://www.acaciaenvironmental.com.au) or call (03) 9710 1166

## Situation

Flowing from the northern hills of Melton, Arnold's Creek travels through agricultural land and into the urban township of Melton where it eventually meets the Werribee River. Constructed alongside initial housing development the urban stretch of the creek has acted as a grassed floodway with a concrete channel invert. That is, however, until now.

Melbourne Water has decided to reimagine the creek, by upgrading a 1400 metre section with a contemporary, community centric urban design, and a goal of achieving a more natural amenity within the environment.

## Brief

Acacia was approached by Melbourne Water to implement on-ground works to establish a native vegetation profile, in support of their goals. These included: Establishing 'wet habitat' to cater for and heavily expand existing flora to attract new fauna; the planting of an adapted urban forest and groundcover to combat the urban heat island effect and to establish an aesthetic, healthy place for people to enjoy

## Solution

Following earthworks, Acacia initiated necessary weed removal (incl. CaLP listed noxious species) at inception of the project, to maintain remnant native grasslands as well as in preparation for urban planting. Planting began in May 2020, and is still underway, with plant numbers anticipated to reach 240,000 at project close. Acacia's team of educated and knowledgeable planters (most with science and land conservation backgrounds) have been able to feed through relevant on-ground suggestions to help support Melbourne Water's landscaping plans and facilitate any necessary alterations where beneficial.

## Result

Acacia has been able to closely follow project specifications for relevant land managers and undertake a project of substantial scale. We are beginning to establish a proven ability to manage largescale planting projects and fit them into the necessary timelines expected by land managers. We hope this reimagination bolsters our relationship with Melbourne Water and acts as a forerunner to indicate our potential for the future.

## Case Study: Reimagining Arnold's Creek



More than 240,000 plants will be added to promote the growth of natural flora and attract wildlife. A native ecosystem will also help to promote a quiet, reflective environment where the community can relax, play or explore.



Establishing 'wet habitat' to create a native vegetation profile and promote new floral growth.



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