

Start of Water Year Announced Allocations

Bundaberg Water Supply Scheme Prediction Graph

Purpose

This prediction graph has been calculated using the water sharing rules (approved 20 March 2020) in the Bundaberg Water Supply Scheme (WSS) Operations Manual for the Burnett River Sub-scheme and the Kolan River Sub-scheme. It can be used as a tool to assist customers in providing an indication of what the announced allocations may look like at the start of the next water year (1 July).

Important points

- This tool is a guide, many variables can influence the announced allocation predictions and they should be considered as an estimate only.
- This tool is based on the Fred Haigh Dam bulk capacity share ratio of 15:85 in all scenarios.
- If you rely on the predicted announced allocations for any purpose, you do so at your own risk.
- From 1 July, Sunwater will calculate the actual start of water year announced allocations using the volume held in storage at the time and publish the announcements accordingly.

Background information

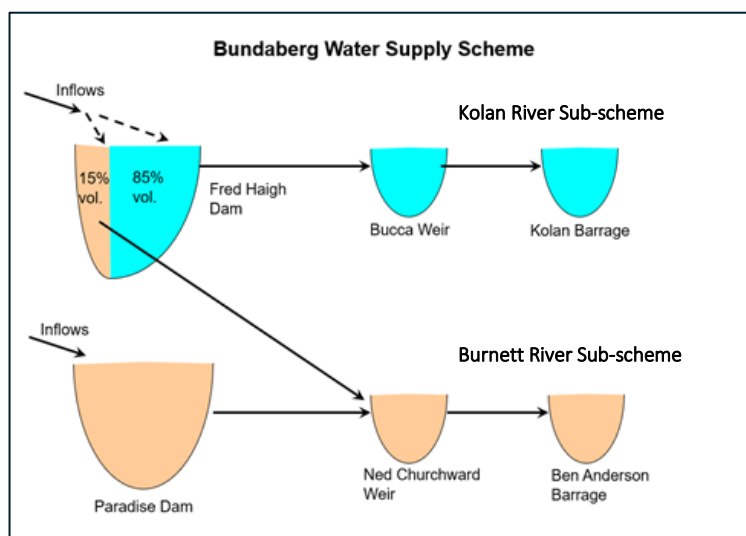
The storages that are associated with the announced allocation prediction are:

Kolan River Sub-scheme

- Fred Haigh Dam (Kolan Bulk Capacity Share only)
- Bucca Weir
- Kolan Barrage

Burnett River Sub-scheme

- Paradise Dam
- Ned Churchward Weir
- Ben Anderson Barrage
- Fred Haigh Dam (Burnett Bulk Capacity Share only)



Bulk Capacity Share explained

Fred Haigh Dam has the ability to supply both the Kolan River Sub-scheme and Burnett River Sub-scheme. As per rules introduced into the Bundaberg WSS Operations Manual in 2014, Fred Haigh Dam is managed as two separate accounts for supply and announced allocation purposes. Up to 15 per cent of the capacity of Fred Haigh Dam is for the purpose of supplying water to the Burnett River Sub-scheme with up to 85 per cent of the capacity for the purpose of supplying water to the Kolan River Sub-scheme.

Sunwater maintains a record of the volumes associated with each account online along with the current announced allocations (<http://bit.ly/BundScheme>). This information is not required for using the announced allocation prediction graphs.

How the prediction graph works

- You will need to firstly access the current storage volume of each of the storages in each sub-scheme, which can be found at this link: <http://bit.ly/swstoragelevels>. The storages in each sub-scheme are listed in the figure on the previous page.
- Next, you will need to calculate the current combined storage volume for the relevant sub-scheme:
 - For the **Burnett River Sub-scheme**, you need to add the volumes for:
 - Paradise Dam
 - Ned Churchward Weir
 - Ben Anderson Barrage
 - Fred Haigh Dam¹
 - For the **Kolan River Sub-scheme** you need to add the volumes for:
 - Fred Haigh Dam¹
 - Bucca Weir
 - Kolan Barrage
- Next, locate the current sub-scheme combined storage volume on the “Combined Sub-Scheme Storage Capacity” horizontal axis on the graph (on the next page) and find the corresponding “Start of Water Year Announced Allocation” percentage on the vertical axis on the graph.
- A worked example for the Burnett River Sub-scheme is shown below:

Example Only

Current volume from Sunwater website:

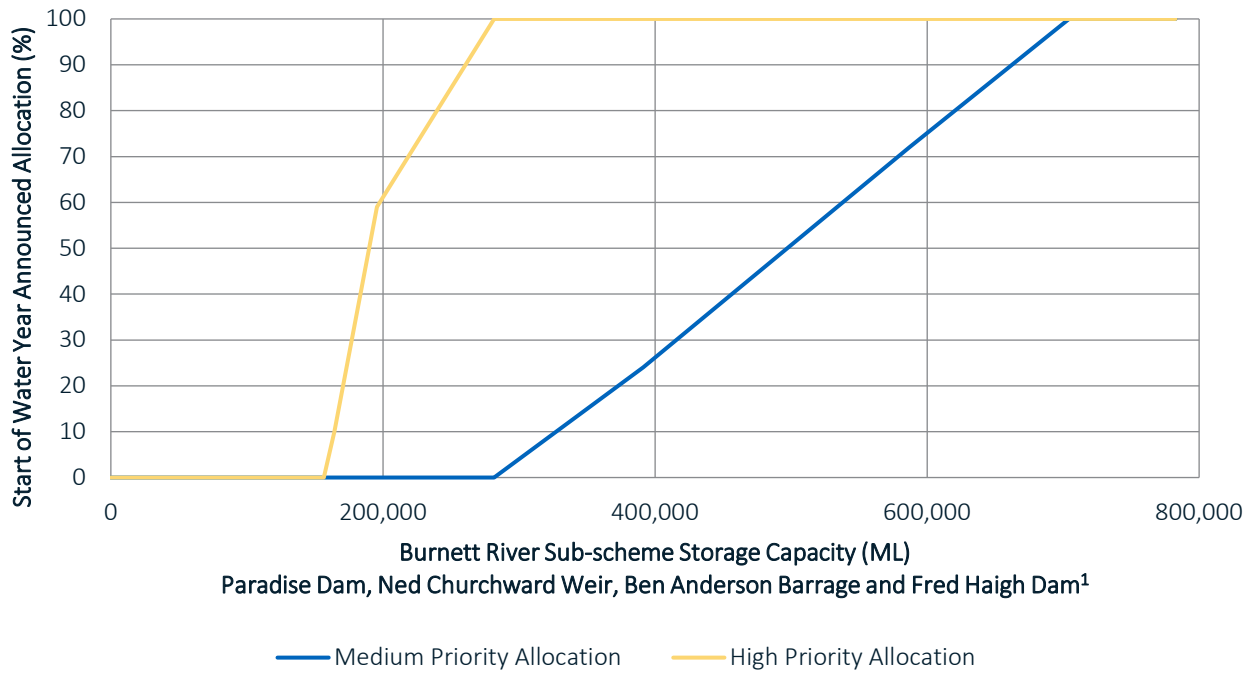
- Paradise Dam = 56,000 ML
- Ned Churchward Weir = 16,000 ML
- Ben Anderson Barrage = 21,000 ML
- Fred Haigh Dam = 307,000 ML

Total (current combined storage volume) = 400,000 ML

If this volume occurred on 1 July, find 400,000 ML on the horizontal axis and see that it equates to a HP AA of 100% and a MP AA of approximately 25% on the y axis.

¹ The prediction graph for each sub-scheme is based on the 15%:85% bulk capacity share. For simplicity, these graphs have been designed to be used with the current total volume of Fred Haigh Dam applied in each sub-scheme. The announced allocations in the graphs are based on the water sharing rules in the Bundaberg WSS Operations Manual.

Bundaberg Water Supply Scheme (Burnett River Sub-scheme)



Bundaberg Water Supply Scheme (Kolan River Sub-scheme)

