

Information Bulletin

Nogoa Mackenzie Water Supply Scheme

April 2021

Fairbairn Dam storage volume

Some much-needed inflows were received into Fairbairn Dam during January and March, as a result of these inflow events the storage peaked at 280,914ML (21.59%) on the 28th March 2021. The announced allocation for Medium Priority increased from 66% to 73% as at the 1st of April 2021.







2021/22 start of water year announced allocation predictions

The table below shows what the estimated high and medium priority announced allocations on 1 July 2021 may be, depending on the water use between April and June and volume of water in the water supply scheme storages at 1 July 2021 assuming no inflows. These scenarios are calculated by applying the water sharing rules in the Nogoa Mackenzie Operations Manual to the potential future storage volume held in Fairbairn Dam, Bedford, Bingegang and Tartrus Weirs as projected on 1 July 2021

The below data is an *estimate only* and is intended to provide customers with an indication of what the estimated announced allocation and carryover volumes may be at the start of the new water year.

2021/22 announced allocation estimate

Estimated water usage has been based on customer supplied data and historical water use from Quarter 4 2020.

2020-2021	
 Announced allocations	<ul style="list-style-type: none"> 100% - High Priority 73% - Medium Priority
 Fairbairn Dam storage capacity	Full supply capacity: 1,301,129 ML Current capacity: 278,686 ML (24.4%) EL 194.56M AHD
 Unused carryover	<ul style="list-style-type: none"> 449ML as at 1 April 2021
 Water orders	April 2021 (to date) <ul style="list-style-type: none"> Channel 2,400ML River 2,200ML Pipeline 1,200ML
 Water use data	<ul style="list-style-type: none"> Channel 18,941 ML River 17,143 ML Pipeline 5,412 ML Total 41,496 ML *From 1 July 2020 to 1 April 2021
 Remaining allocation water	<ul style="list-style-type: none"> Channel 78,068ML River 74,977 ML Pipeline 7,149 ML Total 160,195 ML *As at 1 April 2021

Scenario	Estimated Q4 water use by Scenario	Date	Assumed level of Fairbairn Dam - 1 July 2021 from Storage Estimated Model		Estimated Announced Allocation		Estimated Carryover
			mAHD	% of Capacity	HP	MP	ML
Heavy Water Usage	34,000ML	1 July 2021	193.34	15.65	50%	0%	75,000
Average water usage	30,000ML	1 July 2021	193.59	16.77	77%	0%	75,000
Low Water Usage	19,300ML	1 July 2021	193.81	17.79	100%	0%	75,000

Scenario heavy water usage

Based on heavy water usage and Weir levels at 1 July 2020, therefore, Bedford Weir 122.48 m AHD (94%), Bingegang Weir 101.09m AHD (56%) and Tartrus Weir 81.69 m AHD (98%).

Scenario average water usage

Based on average water usage and Weir levels at 1 July 2020, therefore, Bedford Weir 122.48 m AHD (94%), Bingegang Weir 101.09m AHD (56%) and Tartrus Weir 81.69 m AHD (98%).


Scenario low water usage

Based on average water usage and Weir levels at 1 July 2020, therefore, Bedford Weir 122.48 m AHD (94%), Bingegang Weir 101.09m AHD (56%) and Tartrus Weir 81.69 m AHD (98%).

You can access Sunwater's model for forecasting the storage level at Fairbairn Dam at

<http://bit.ly/swstoragelevels>

From 1 July 2021 Sunwater will calculate the actual start of water year Announced Allocations for 2021-2022 and will notify customers by email and/or SMS and will be made available on the Sunwater website. Please call us on 13 15 89 if you need to update your contact details.

Key dates	
 Tuesday 4 May 2021	<ul style="list-style-type: none">• Shed meeting to discuss planned service interruptions for 21/22 water year• Mayfair Tavern, Emerald 12.30pm
Useful links	
Help with Sunwater Online	
Water ordering	
Temporary transfers	
Meter reads	
Updating account information	
Applying for carryover	
Common customer forms	
Temporary transfer application form	
Carryover application form	

Phone: 13 15 89

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Visit: www.sunwater.com.au

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