

# Greater Sydney Operations Report

July 2021

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## Key messages

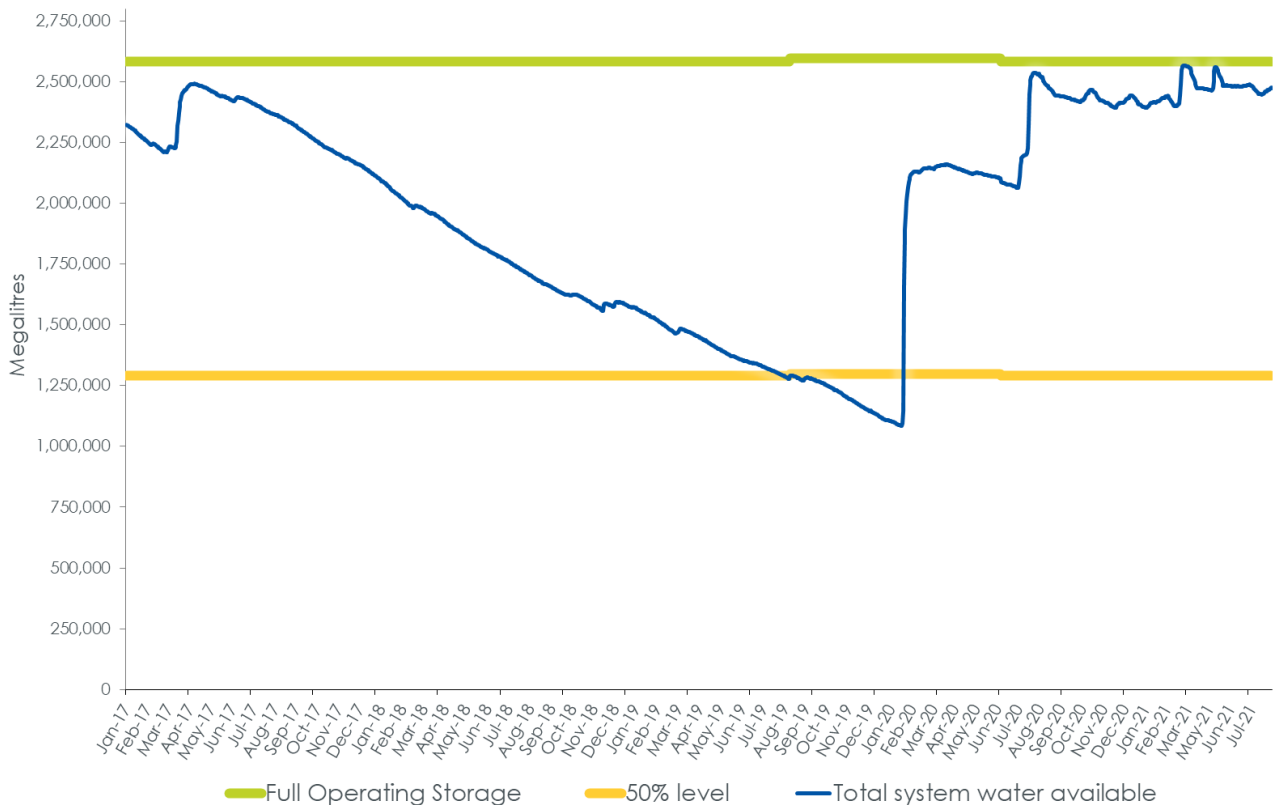
- As at 31 July 2021, the total available water held in Greater Sydney storages was **95.8%**, a decrease of 0.5 % from the previous month.
- The Greater Sydney catchments experienced below average rainfall for the month of July.
- Approximately 141GL of water flowed into our dams this month compared to 398GL for the same time last year. Due to high autumn rainfall, our total inflow this calendar year has reached 3,555 GL, which is already 143% of the annual long-term average.
- With our storages exceeding 75%, there were no transfers from the Shoalhaven System and Water Wise Guidelines are in place across Greater Sydney.
- As total system storage declines with normal supply, it is expected we will reach 75% (the trigger to re-commence Shoalhaven Transfers) in April 2022 at the earliest.



## Storage Levels

As at Wednesday 31 July 2021 the total available water held in Greater Sydney storages was **95.8%**, a decrease of 0.5% from the previous month. For more information on Greater Sydney Dam levels please visit [www.watersw.com.au/sydneydamlevels](http://www.watersw.com.au/sydneydamlevels)

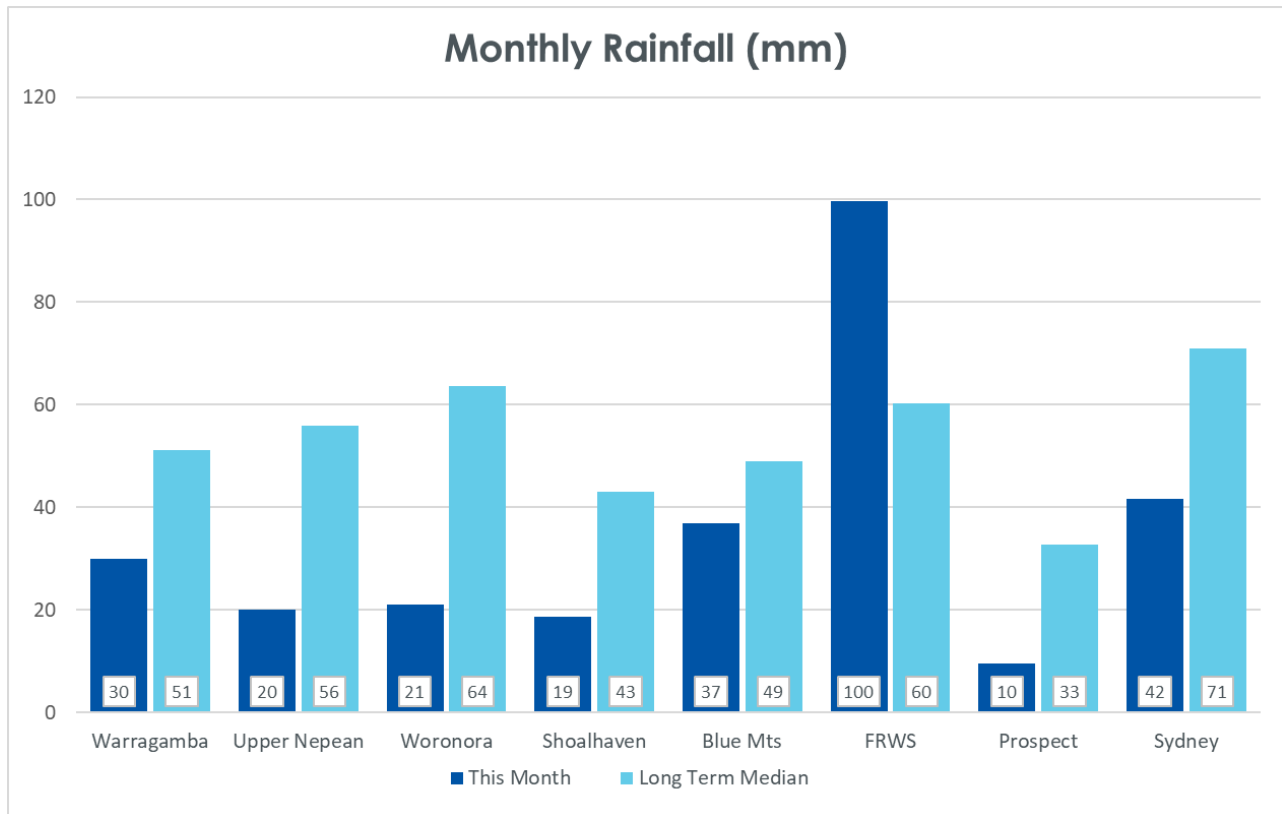
**Available storage 95.8% on 31 July 2021**



Storage	Capacity (ML)	Saturday 31 July 2021			Wednesday 30 June 2021		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-2.51	77,531	79.8	-2.38	78,705	81.0
Cordeaux	93,640	-0.36	90,855	97.0	-0.14	92,628	98.9
Avon	146,700	-0.80	138,208	94.2	-0.58	140,685	95.9
Nepean	67,730	-2.27	60,779	89.7	-1.24	63,836	94.3
Woronora	71,790	-3.75	58,762	81.9	-3.32	60,140	83.8
Warragamba	2,027,000	-0.65	1,978,872	97.6	-0.67	1,977,345	97.6
Prospect	33,330	-0.95	28,515	85.6	-0.19	32,308	96.9
Wingecarribee	24,130	-0.86	20,387	84.5	-0.74	20,936	86.8
Fitzroy Falls	9,950	-0.03	9,806	98.6	-0.03	9,806	98.6
Tallowa	7,500	0.03	7,500	100.0	0.12	7,500	100.0
Blue Mountains	2,890	-	2,372	82.1	-	2,435	84.3
<b>TOTAL</b>	<b>2,581,850</b>		<b>2,473,587</b>	<b>95.8</b>		<b>2,486,324</b>	<b>96.3</b>

## Rainfall

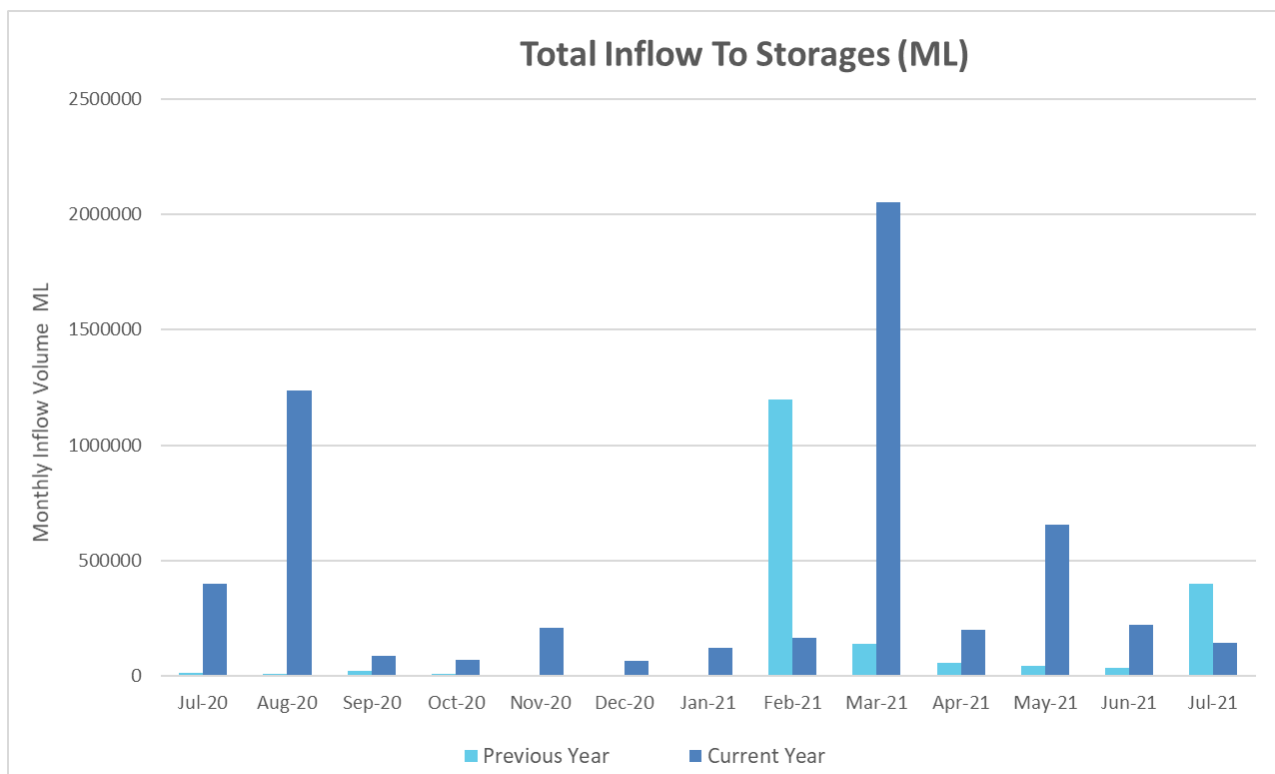
During July 2021, rainfall was below the long-term median for the month of July except for Fish River Water Supply.



## Inflows

Sydney storages received minor inflows during July 2021. However, after only 7 months into the calendar year, the inflow for Warragamba has surpassed its long-term average annual inflow.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	83,404	4,734	393	52,830	141,360

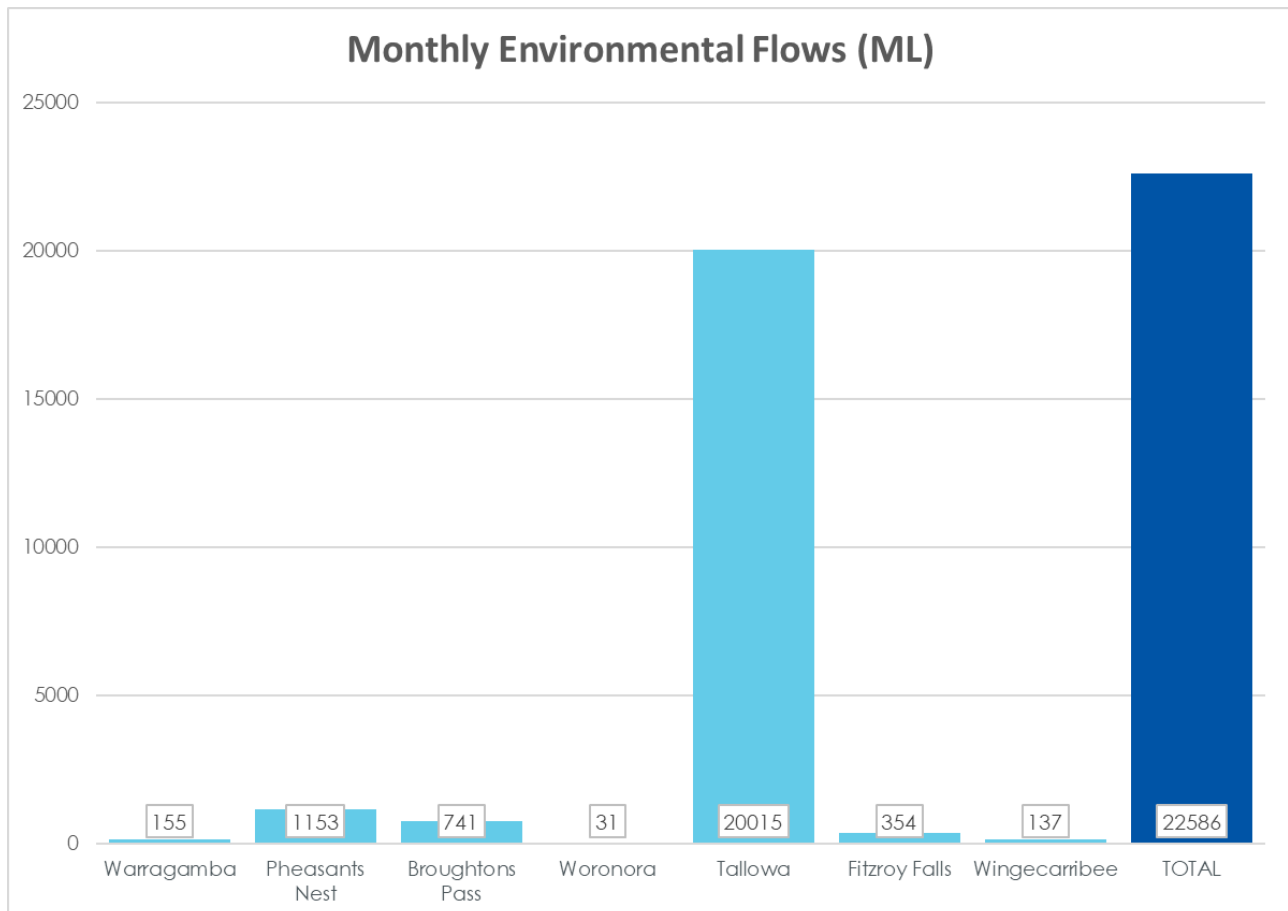


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020	1,745,619	276,838	34,570	1,487,432	3,544,459
<b>2021 to 31 Jul</b>	<b>1,643,475</b>	<b>240,957</b>	<b>15,050</b>	<b>1,656,441</b>	<b>3,555,922</b>

Note: The tables above do not include smaller inflows into storages such as Wingecarribee, Fitzroy Falls, Prospect and the Blue Mountains Dams.

## Environmental releases

During July, a total of 22,586 ML was released from Sydney water sources for the environment.

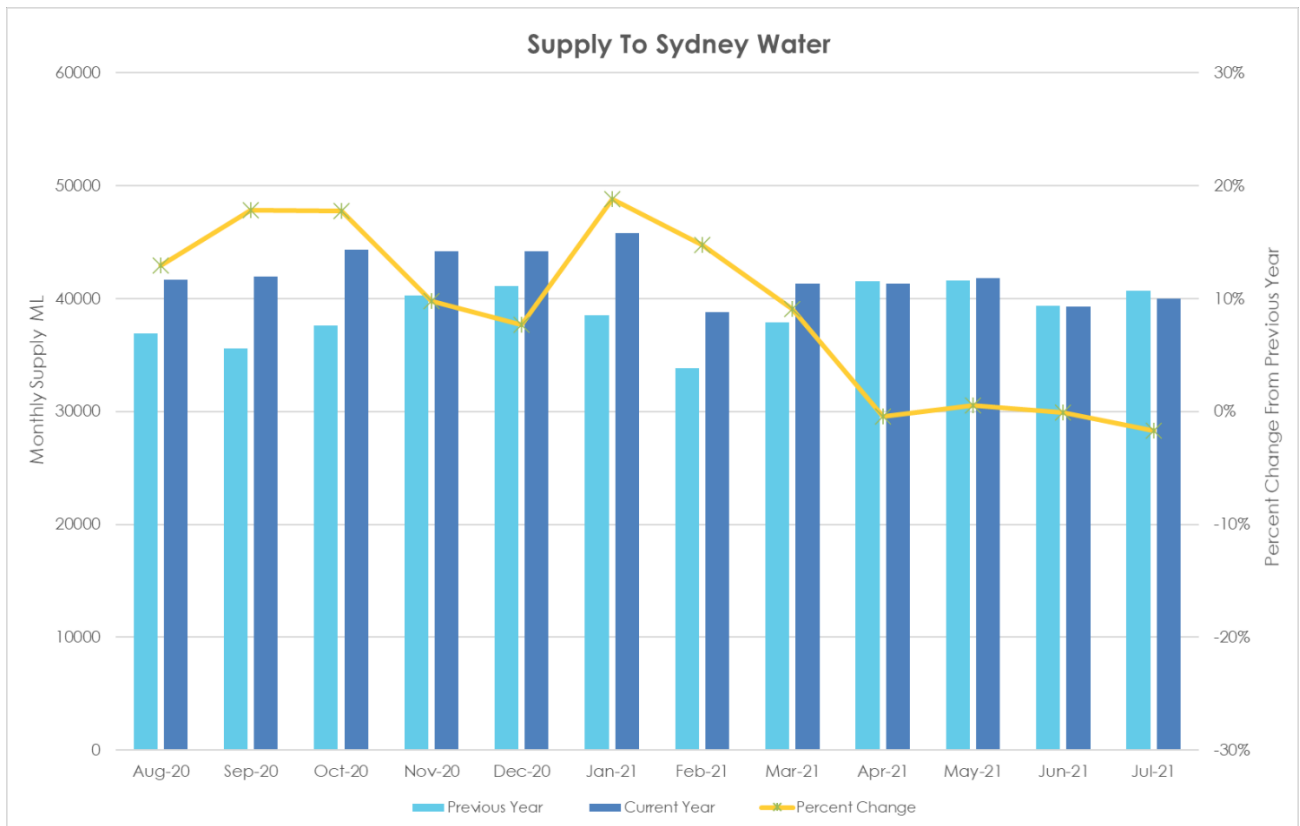


## Water supplied to our customers

In the Greater Sydney area, WaterNSW supplies raw water to over 60 customers including Sydney Water Corporation, Wingecarribee Shire Council, Shoalhaven City Council, Goulburn Mulwaree Council and other minor customers.

Sydney Water supplies treated drinking water to the people of Sydney, Illawarra and the Blue Mountains and is our largest customer accounting for more than 99% of the total volume supplied from the Sydney system.

The volume supplied to Sydney Water this month was 39,978ML with a daily average supply of 1,290ML/D, which is a decrease of 2% this time last year.



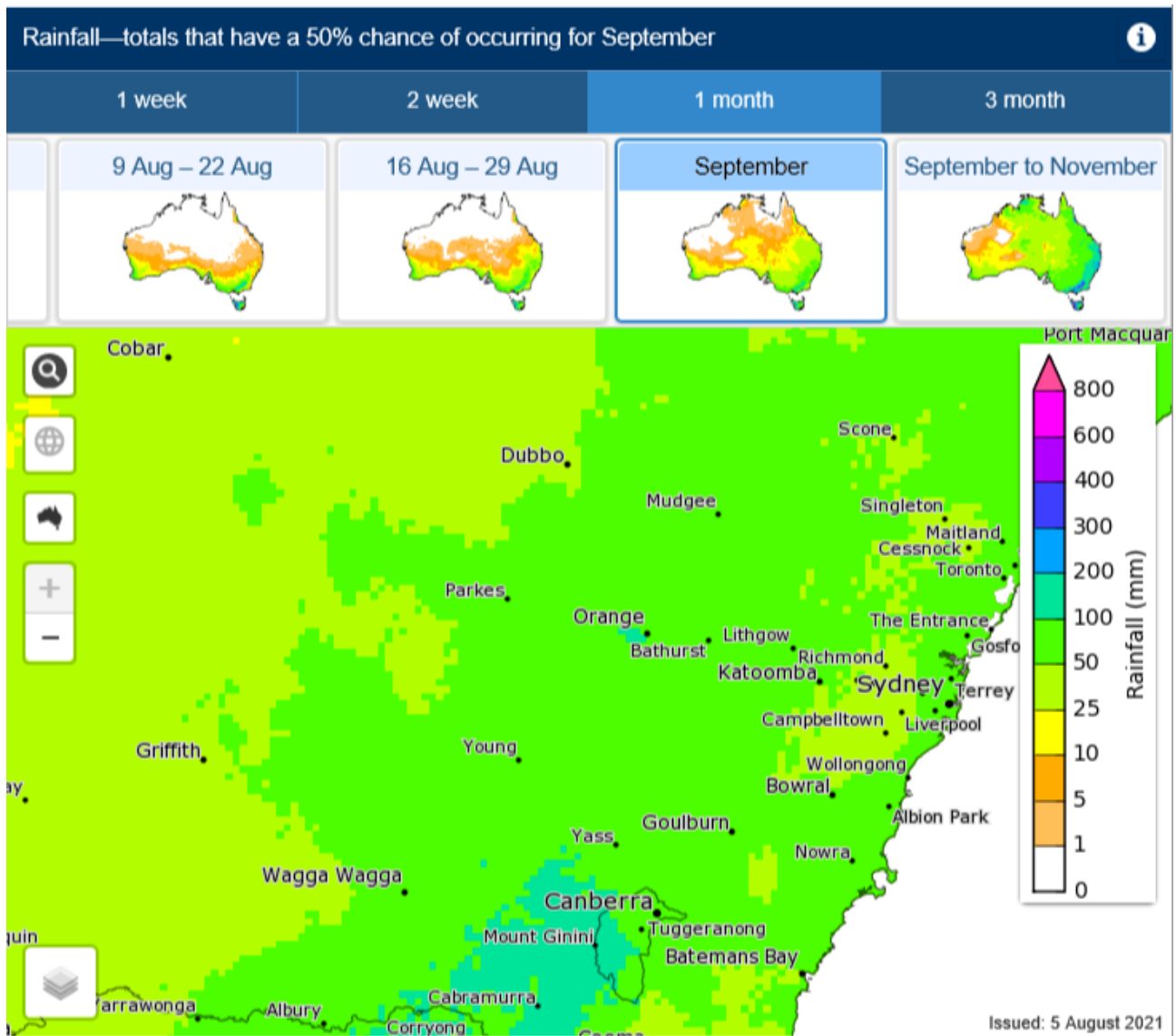
WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	283	9
Illawarra	2416	78
Macarthur	2389	77
Nepean	318	10
North Richmond	508	16
Orchard Hills	1878	61
Prospect	30859	995
Warragamba	87	3
Woronora	1240	40
<b>TOTAL</b>	<b>39978</b>	<b>1290</b>



## Forecast

According to the Bureau of Meteorology, the remainder of August and the month of September are likely to be wetter than average for Sydney's catchment areas. BOM forecast rainfall amounts are shown below:



For more information on weather in NSW please visit the BoM <http://www.bom.gov.au/nsw/>

## More Information

WaterNSW is a state-owned corporation established under the *Water NSW Act 2014* and operates under an Operating License issued and monitored by the Independent Pricing and Regulatory Tribunal (IPART).

WaterNSW operate the state's rivers and water supply systems in accordance with the rules set out by regulators. With more than 40 dams across the state, we supply two-thirds of water used in NSW to regional towns, irrigators, Sydney Water Corporation and local water utilities. We also own and operate the largest surface and groundwater monitoring network in the southern hemisphere and build, maintain and operate essential infrastructure.

The Greater Sydney system includes 15 major dams that are interconnected by a complex system of rivers, weirs, canals and pipelines. WaterNSW manages this system in the most efficient way to provide the best quality raw water to our customers, whilst also ensuring long-term security of supply is maintained for the future.

Warragamba Dam is the largest dam in the system and provides around 80% of Sydney's water supply. When the total system storage falls below 75%, WaterNSW can transfer water from the Shoalhaven system into the Upper Nepean Dams or Warragamba Dam.

The total system storage for Greater Sydney (all our Dams combined):  
2,581,850 ML (approximately 2 600 GL)

1 Kilolitre (KL) = 1000 litres

1 Megalitre (ML) = 1000 Kilolitres

1 Gigalitre (GL) = 1000 Megalitres

For more information, or to view our daily and weekly Greater Sydney catchment updates, please visit our website at <https://www.waternsw.com.au/greatersydney>