

Greater Sydney Operations Report

May 2021

Contents

Key messages	3
Storage Levels	4
Rainfall.....	5
Inflows	6
Environmental releases	7
Water supplied to our customers	7
Forecast	9
More Information.....	10

Key messages

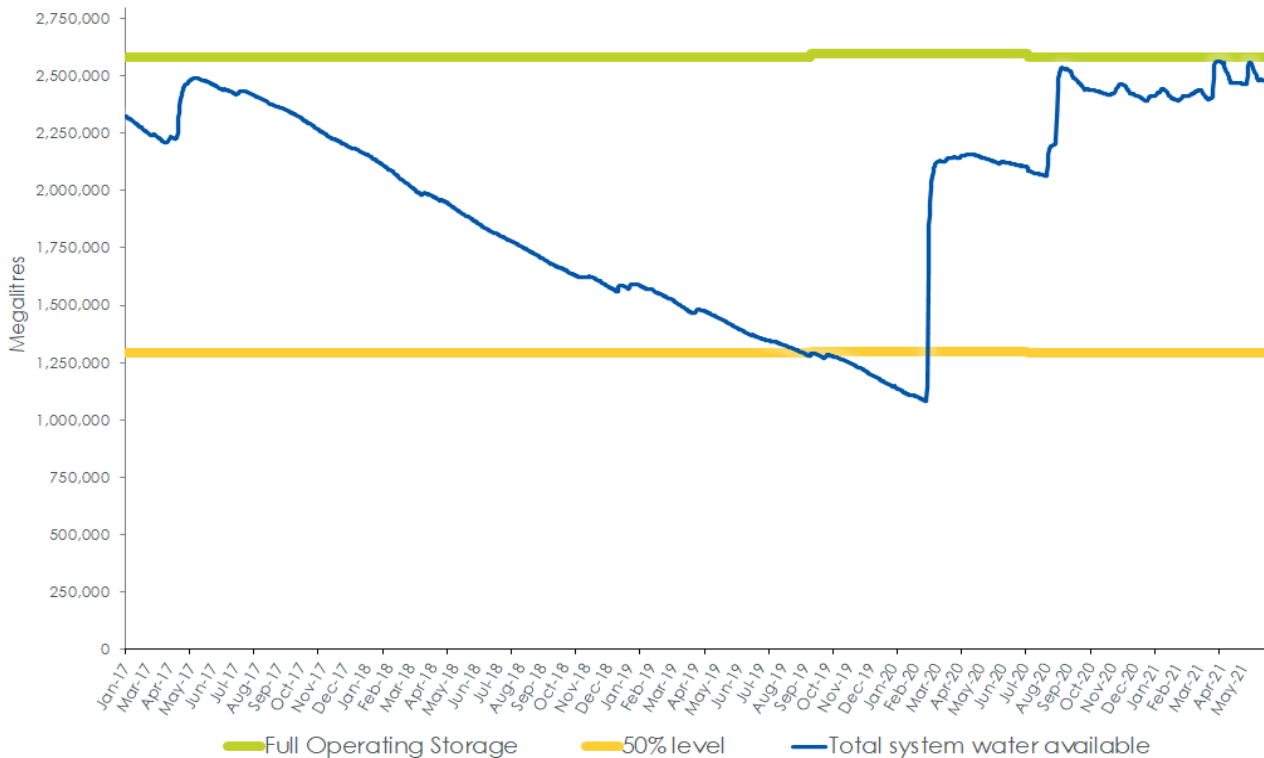
- As at 31 May 2021 the total available water held in Greater Sydney storages was **96.1%**, an increase of 0.6 % from the previous month.
- The Greater Sydney catchments experienced above average rainfall for the month of May except for Woronora.
- Approximately 657GL of water flowed into our dams this month compared to 45GL for the same time last year. Due to heavy rainfall our total inflow this calendar year has reached 3,194GL, which is already 128% 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 March 2022 at the earliest.



Storage Levels

As at Monday 31 May 2021 the total available water held in Greater Sydney storages was **96.1%**, an increase of 0.6% from the previous month. For more information on Greater Sydney Dam levels please visit www.waternsw.com.au/sydneydamlevels

Available storage 96.1% on 31 May 2021

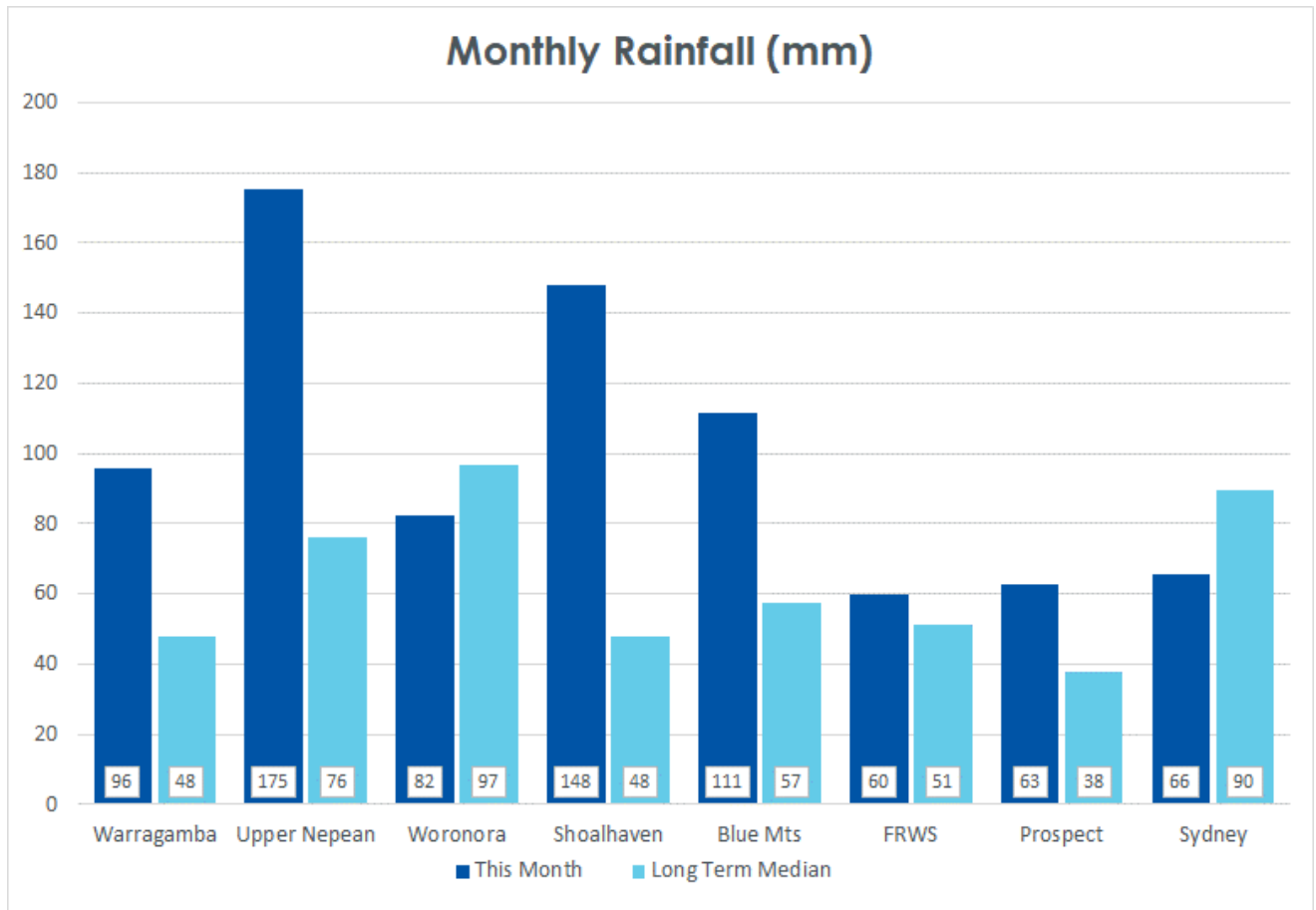


Storage	Capacity (ML)	Monday 31 May 2021			Friday 30 April 2021		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-1.46	85,619	88.1	-1.25	87,157	89.7
Cordeaux	93,640	-0.01	93,640	100.0	-0.04	93,328	99.7
Avon	146,700	-0.16	144,991	98.8	-0.27	143,719	98.0
Nepean	67,730	-0.25	67,002	98.9	-0.43	66,405	98.0
Woronora	71,790	-2.95	61,406	85.5	-2.91	61,507	85.7
Warragamba	2,027,000	-0.94	1,957,241	96.6	-0.95	1,956,503	96.5
Prospect	33,330	-0.63	30,059	90.2	-1.86	24,428	73.3
Wingecarribee	24,130	-0.71	21,106	87.5	-1.82	16,634	68.9
Fitzroy Falls	9,950	0.05	9,950	100.0	-0.64	6,906	69.4
Tallowa	7,500	0.08	7,500	100.0	0.04	7,500	100.0
Blue Mountains	2,890	-	2,575	89.1	-	2,506	86.7
TOTAL	2,581,850		2,481,089	96.1		2,466,593	95.5

Note: The weekly percentage change is based on the total variation in volume measured in megalitres. Percentages are rounded to the nearest 0.1 percent.

Rainfall

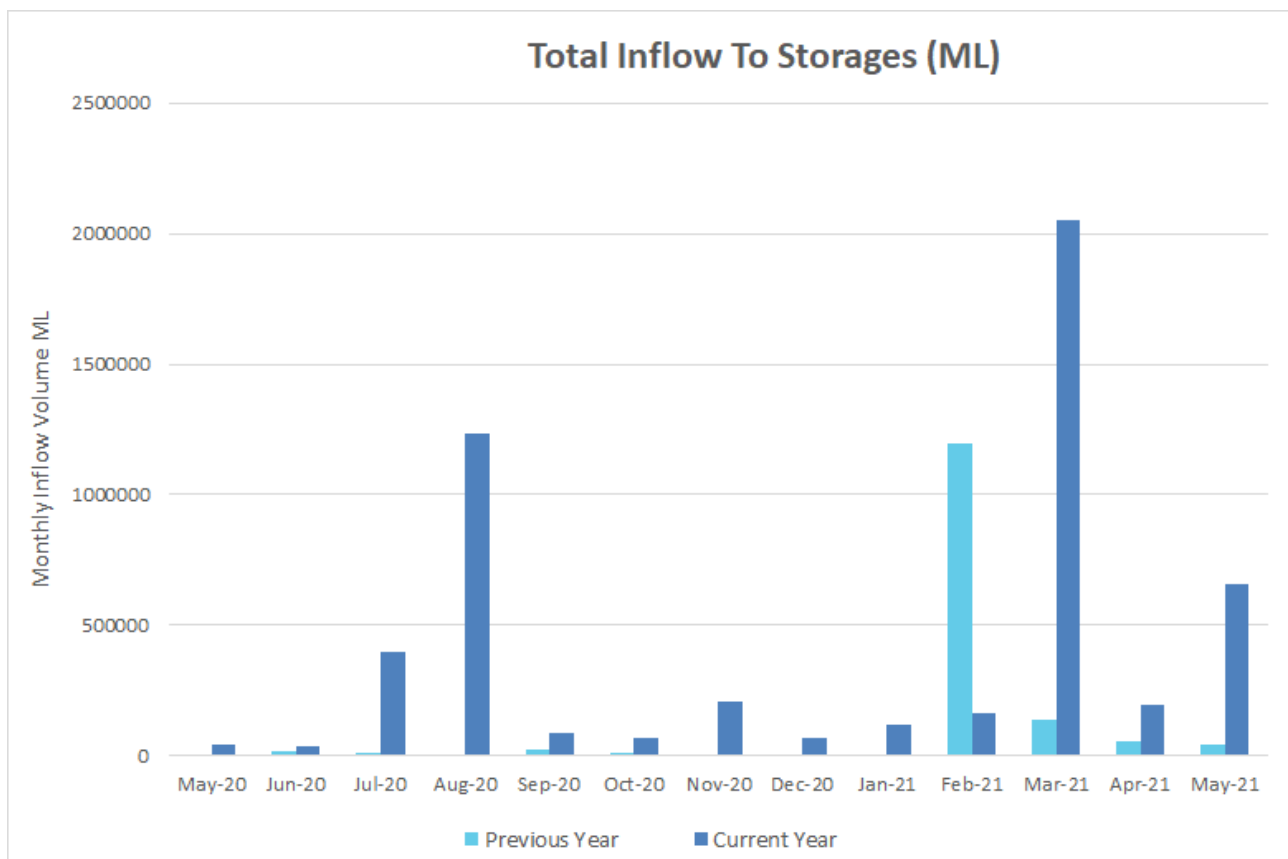
During May 2021, rainfall was above the long term median for the month of May except for Woronora.



Inflows

Sydney storages received high inflows during May 2021. After only 5 months into 2021, the inflow for Warragamba has surpassed its long term average annual inflow by 41%.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	169,626	60,004	3,628	423,918	657,176

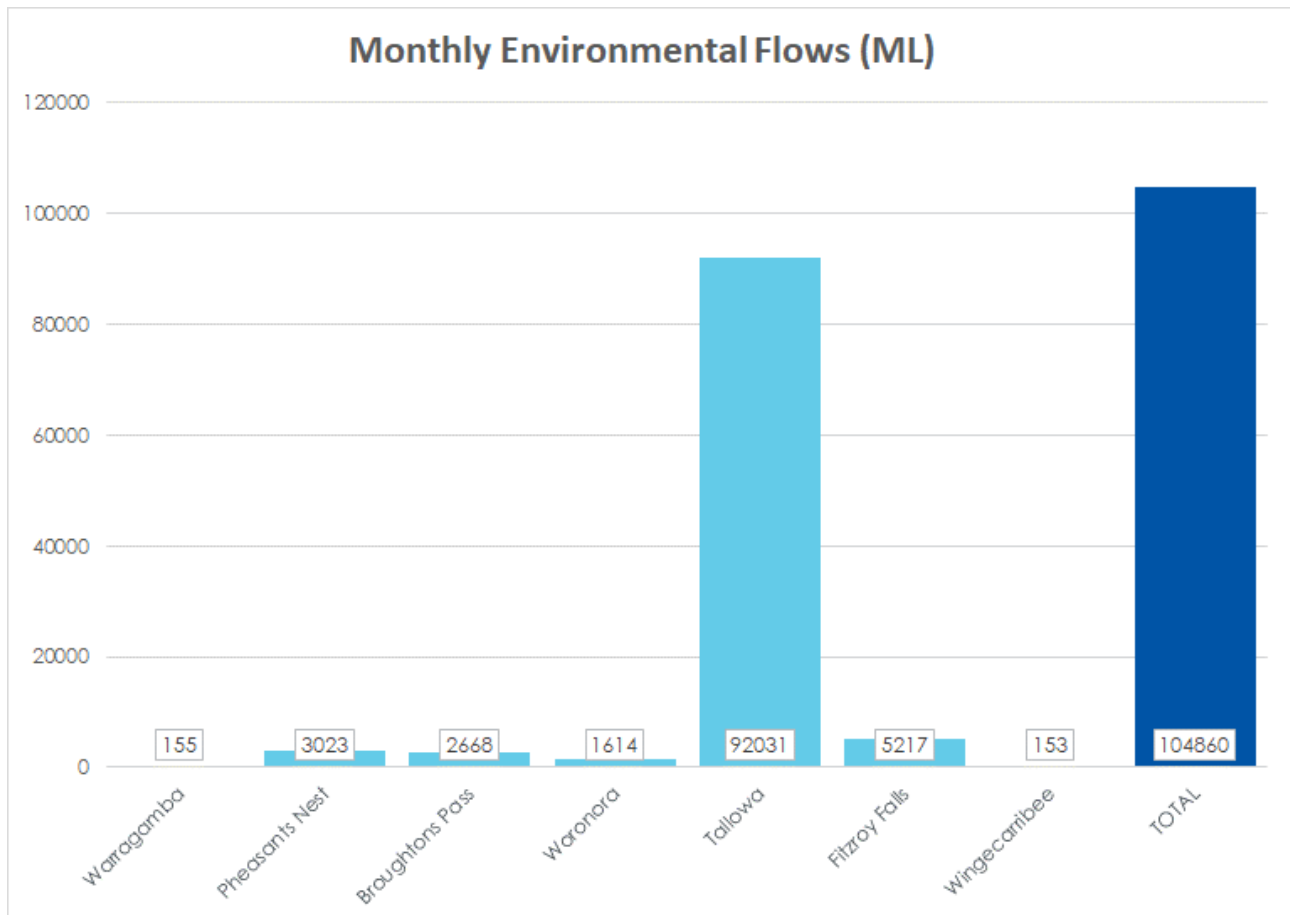


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020	1,745,619	276,838	34,570	1,487,432	3,544,459
2021 to 31 May	1,507,558	229,460	14,159	1,442,643	3,193,820

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 May a total of 104,860ML was released from Sydney water sources for the environment.

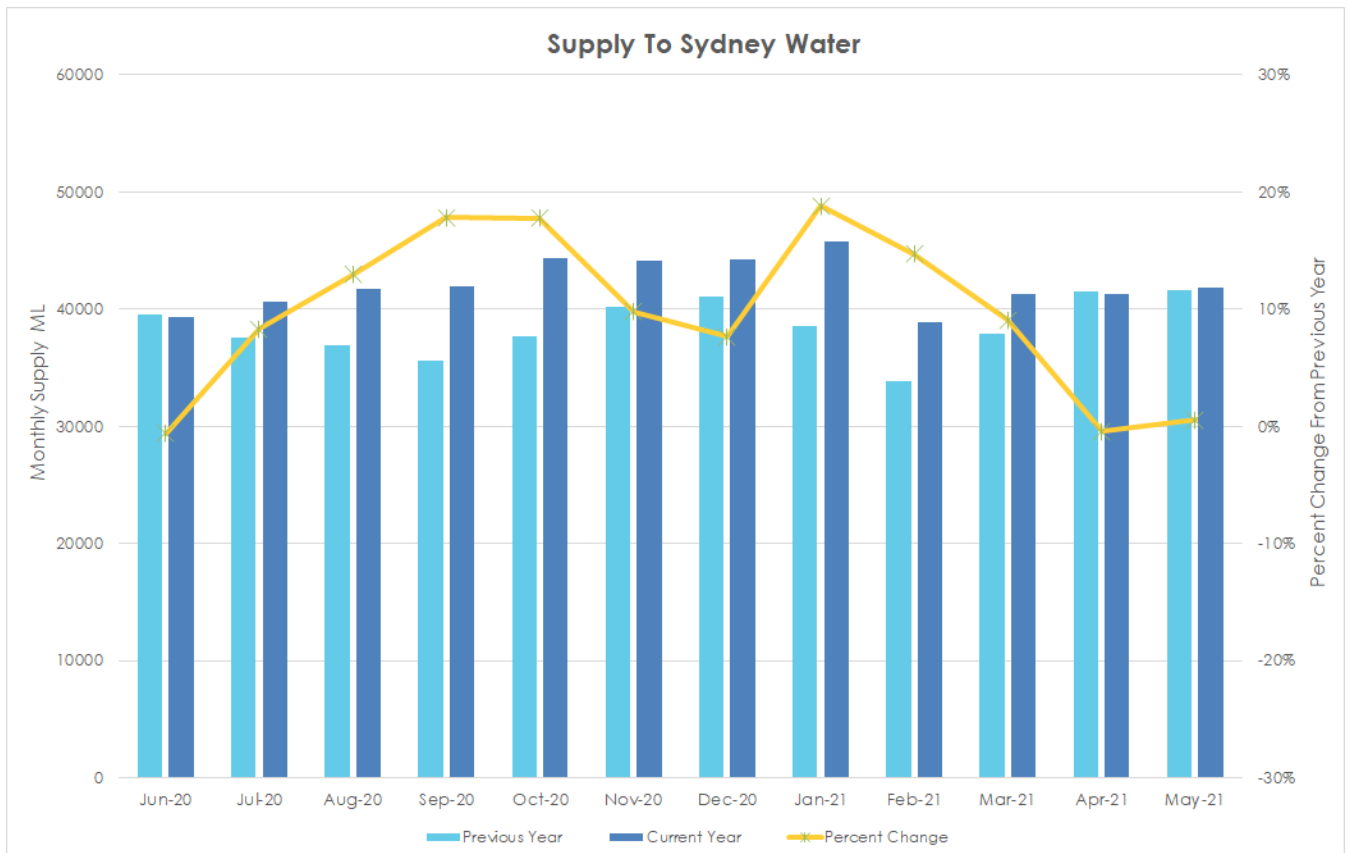


Water supplied to our customers

In the Greater Sydney area, WaterNSW supplies raw water to over 60 customers including Sydney Water Corporation, Wingecaribbee 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 41,819ML with a daily average supply of 1,349ML/D. This is a one percent increase from the same time last year.

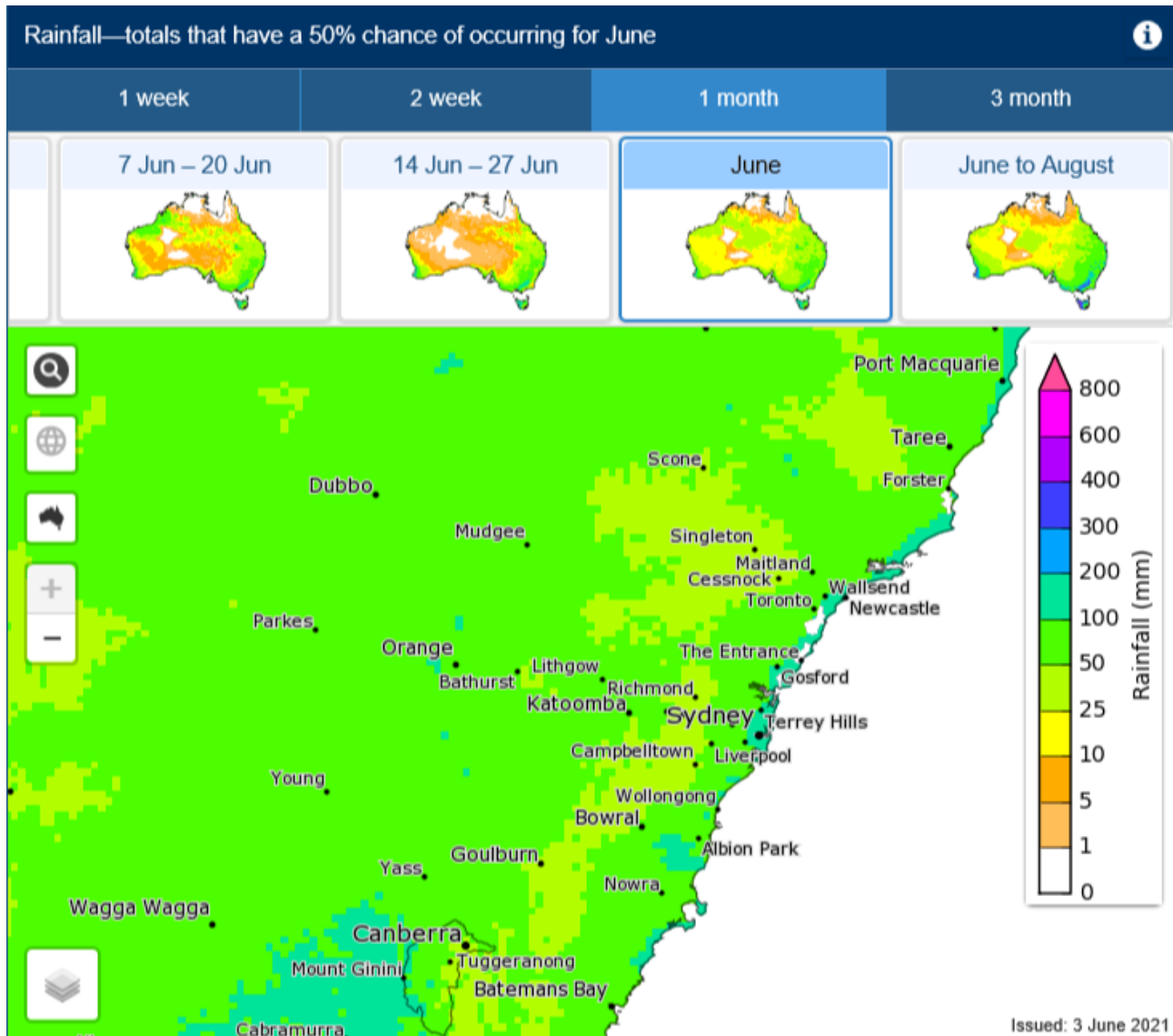


WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	331	11
Illawarra	2561	83
Macarthur	2498	81
Nepean	391	13
North Richmond	510	16
Orchard Hills	1902	61
Prospect	32292	1042
Warragamba	91	3
Woronora	1243	40
TOTAL	41819	1349

Forecast

According to the Bureau of Meteorology, the month of June is 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>