

Greater Sydney Operations Report

October 2020

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Key messages

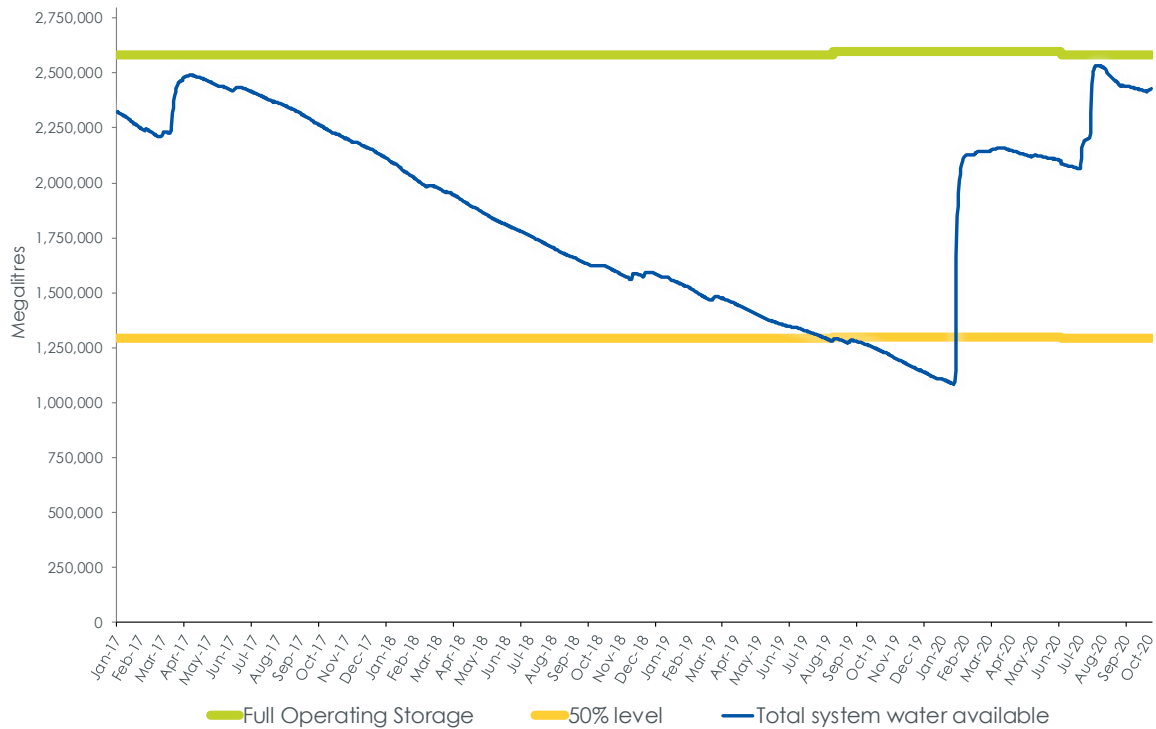
- As at 31 October 2020 the total available water held in Greater Sydney storages was **94.1%**, a decrease of 0.3 % from last month.
- The month of October experienced above average rainfall across the Greater Sydney catchment areas.
- Approximately 71 GL of water flowed into our dams this month compared to 10 GL for the same time last year. Due to heavy rainfall in February, July and August our total inflow this calendar year has reached 3,268 GL, which is 131% of the annual long-term average.
- With our storages exceeding 75%, there were no transfers from the Shoalhaven System and water restrictions across Greater Sydney remain at Level 1.
- As total system storage declines with normal supply, it is expected we will reach 75% (the trigger to re-commence Shoalhaven Transfers) in July 2021 at the earliest.
- WaterNSW continues to work closely with Sydney Water and other stakeholders to manage water quality risks associated with the rainfall in February, July and August.



Storage Levels

As at Saturday 31 October 2020 the total available water held in Greater Sydney storages was **94.1%**, a decrease of 0.3% from last month. For more information on Greater Sydney Dam levels please visit www.watersw.com.au/sydneydamlevels

Available storage 94.1% on 31 October 2020

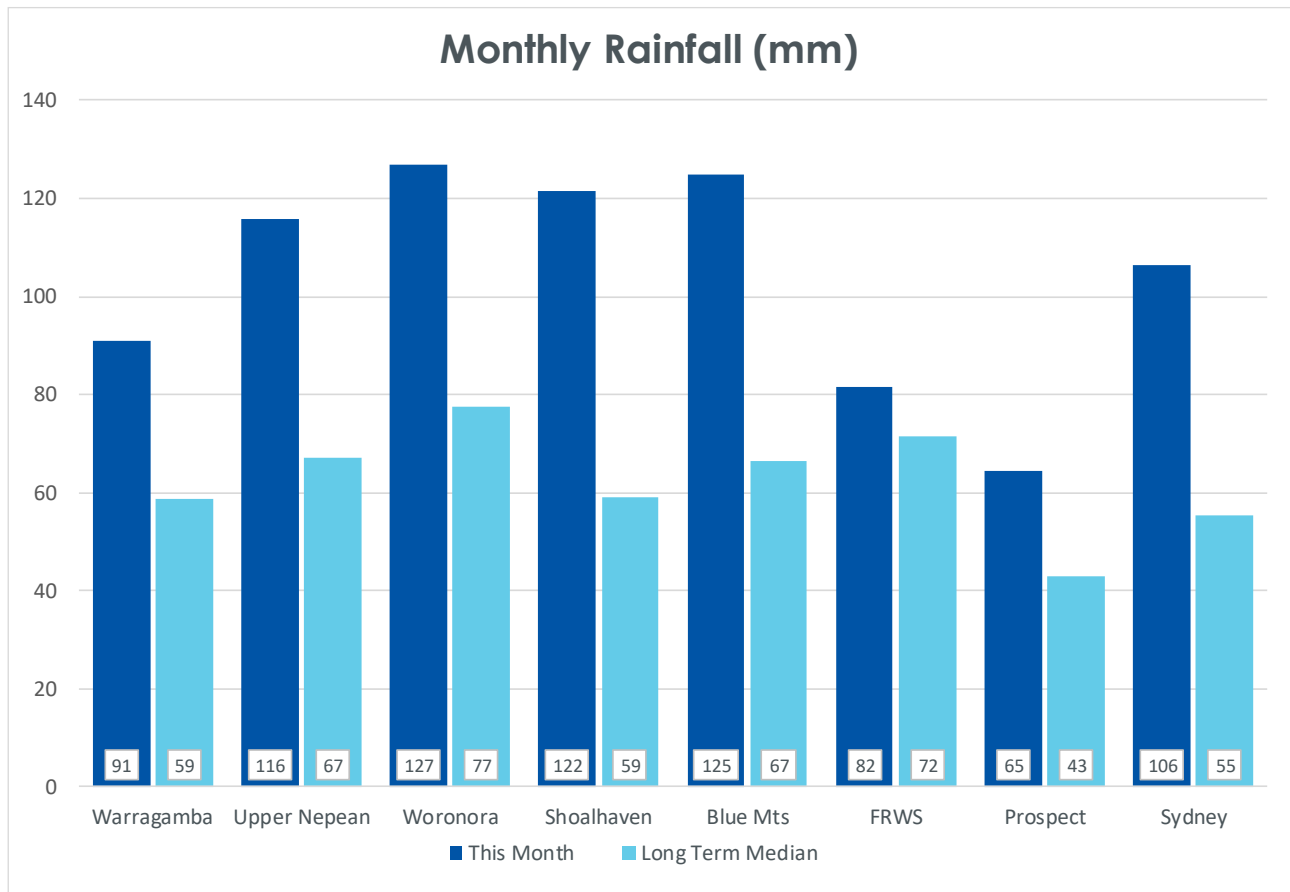


Storage	Capacity (ML)	Saturday 31 October 2020			Wednesday 30 September 2020		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-2.05	80,929	83.3	-1.40	85,848	88.3
Cordeaux	93,640	-1.87	79,924	85.4	-1.77	80,620	86.1
Avon	146,700	-2.08	125,465	85.5	-1.69	129,340	88.2
Nepean	67,730	-2.09	61,280	90.5	-0.64	65,686	97.0
Woronora	71,790	-5.03	54,697	76.2	-4.72	55,302	77.0
Warragamba	2,027,000	-0.90	1,960,192	96.7	-0.96	1,955,765	96.5
Prospect	33,330	-0.70	29,707	89.1	-1.20	27,309	81.9
Wingecarribee	24,130	-0.95	20,051	83.1	-0.98	19,925	82.6
Fitzroy Falls	9,950	-0.38	8,131	81.7	-0.50	7,611	76.5
Tallowa	7,500	0.14	7,500	100.0	0.05	7,500	100.0
Blue Mountains	2,890	-	2,479	85.8	-	2,634	91.1
TOTAL	2,581,850		2,430,355	94.1		2,437,540	94.4

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

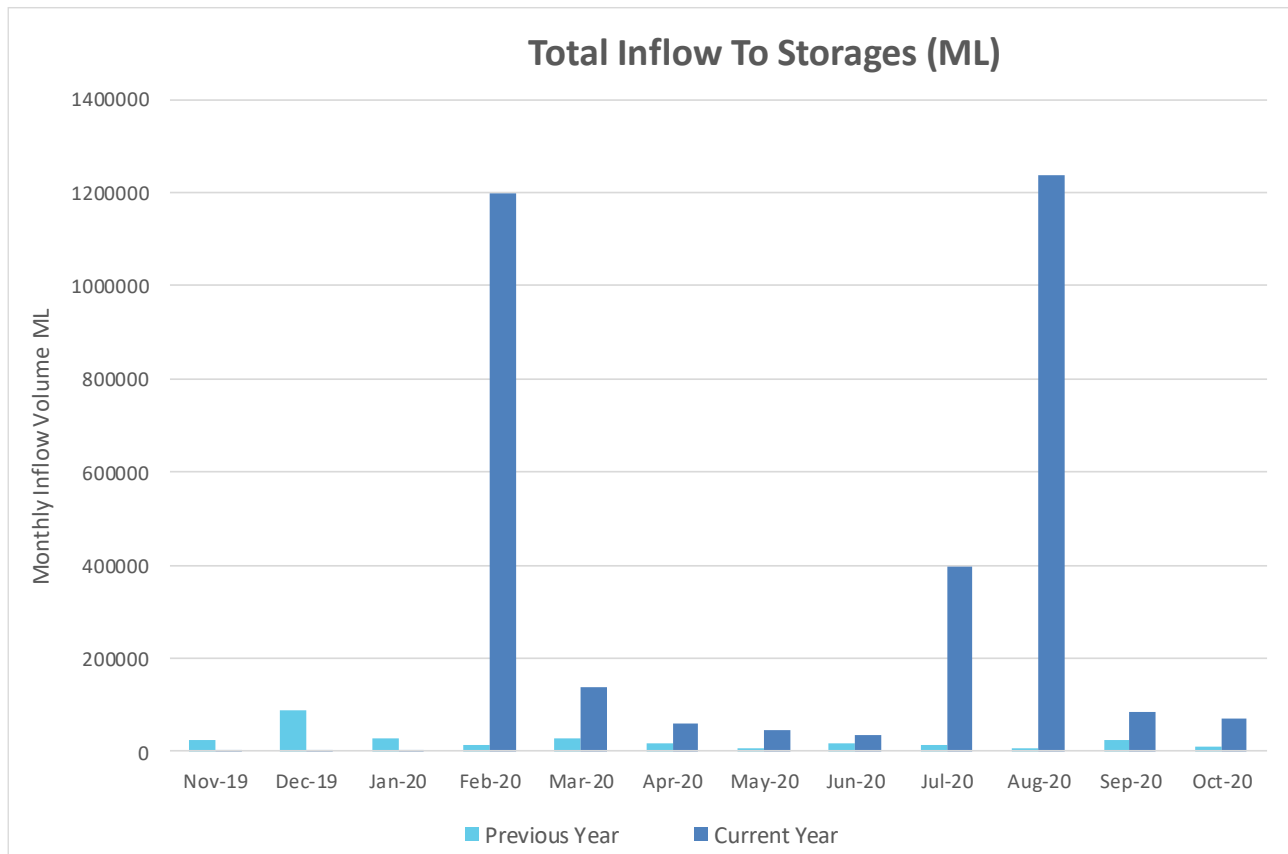
During October 2020, rainfall was above the long term median for the month of October.



Inflows

Sydney storages received moderate inflows during October.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	34,710	5,639	497	30,539	71,384

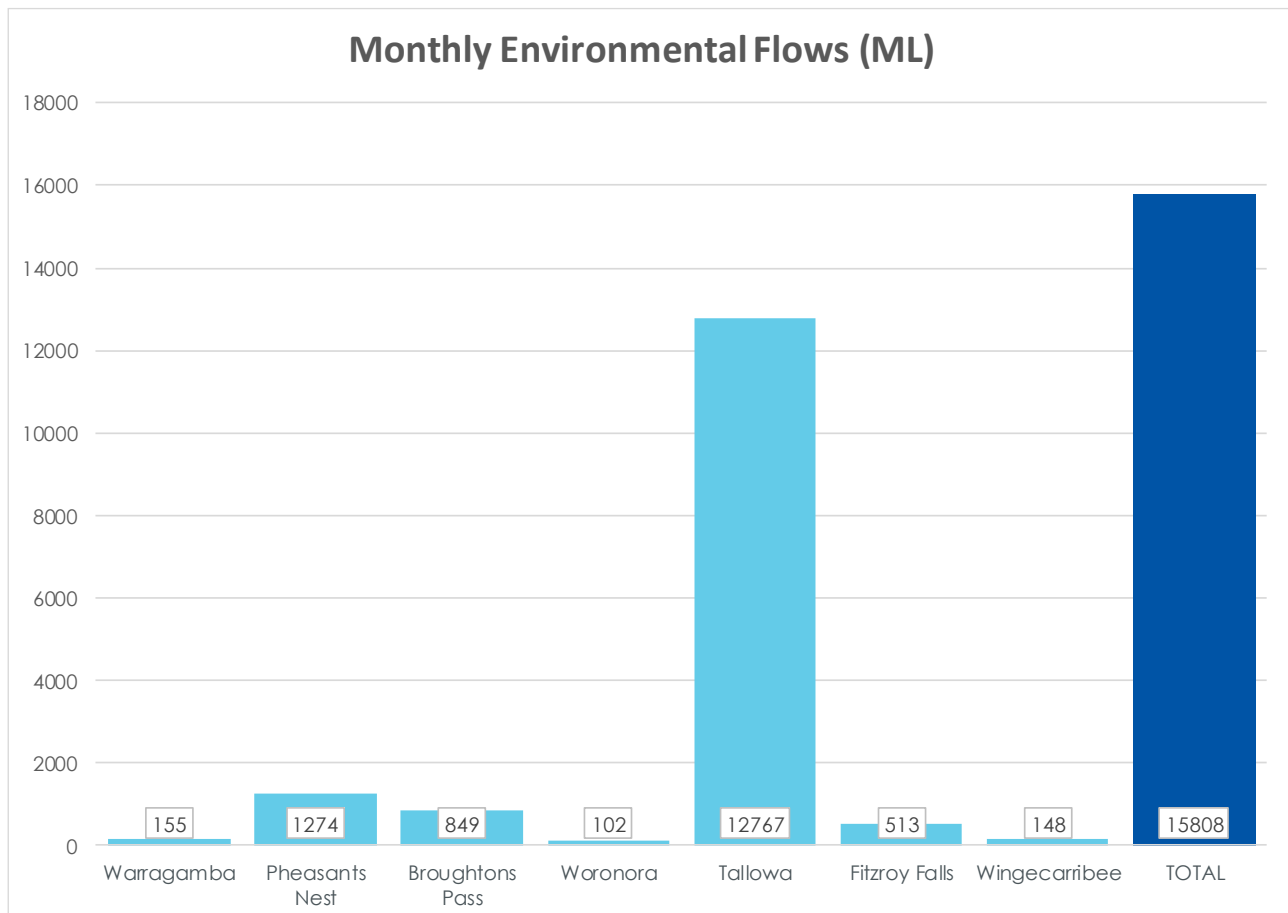


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020 to 31 Oct	1,623,545	263,315	33,084	1,348,361	3,268,304

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

Environmental releases

During October a total of 15,808 ML was released from Sydney water sources for the environment.

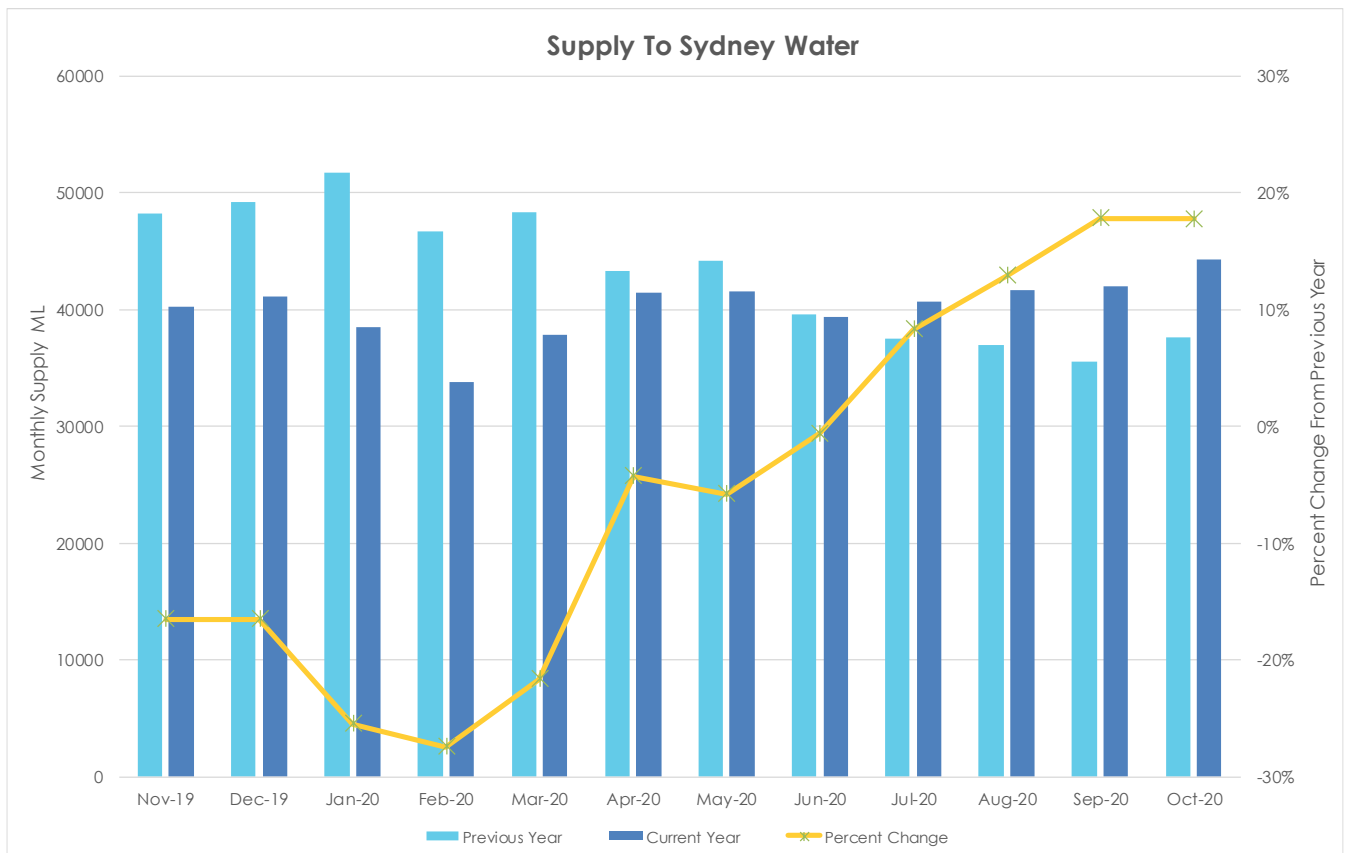


Water supplied to our customers

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 44,326 ML with a daily average supply of 1,430 ML/D. This is an 18% increase from the same time last year.

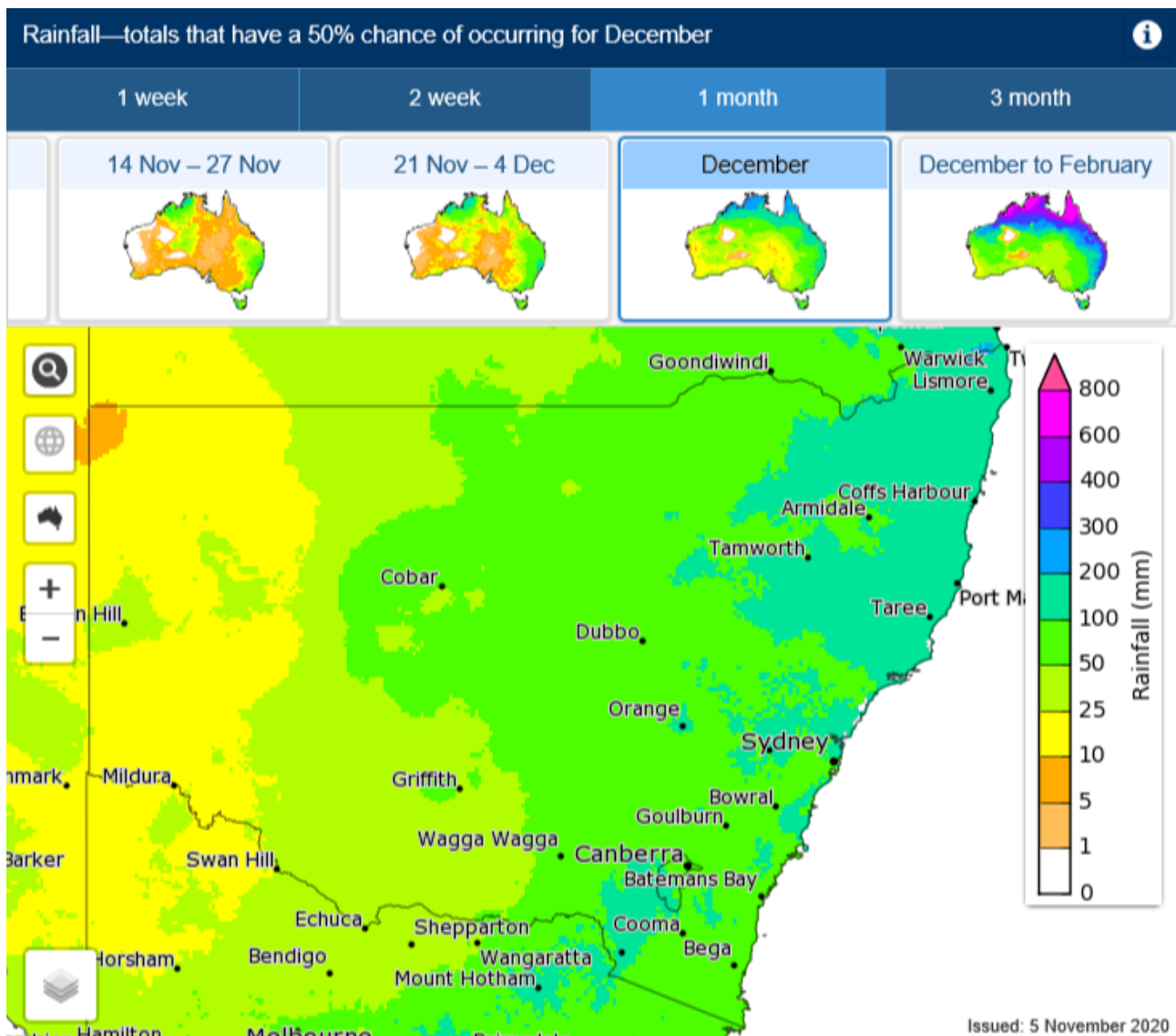


WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	265	9
Illawarra	2576	83
Macarthur	2759	89
Nepean	389	13
North Richmond	715	23
Orchard Hills	2159	70
Prospect	34195	1103
Warragamba	113	4
Woronora	1155	37
TOTAL	44326	1430

Forecast

According to the Bureau of Meteorology, the remainder of November and December 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>