

Greater Sydney Operations Report

August 2020

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

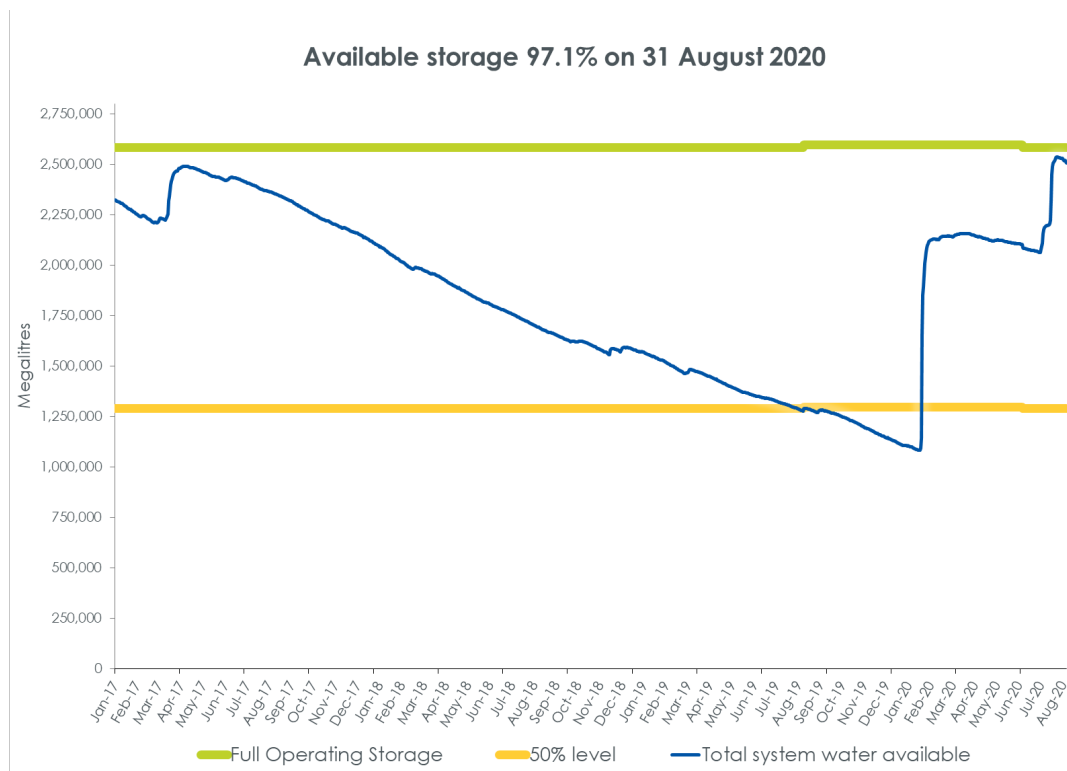
Key messages

- As at Monday 31 August 2020 the total available water held in Greater Sydney storages was **97.1%**, an increase of 12.5 % from last month.
- The month of August experienced significant rainfall across all Greater Sydney catchments, causing spills at Warragamba, Nepean and Tallowa Dam. Last time Warragamba Dam spilled was in 2016.
- A sizeable 1,236 GL of water flowed into our dams across the Greater Sydney water supply catchments, compared to 7 GL for the same time last year. Due to the heavy rainfall that fell in February, July and now August, our total inflow this calendar year has reached 3,112 GL which is already 125% of our 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 June 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 Friday 31 August 2020 the total available water held in Greater Sydney storages was **97.1%**, an increase of 12.5% from last month. For more information on Greater Sydney Dam levels please visit www.watersw.com.au/sydneydamlevels

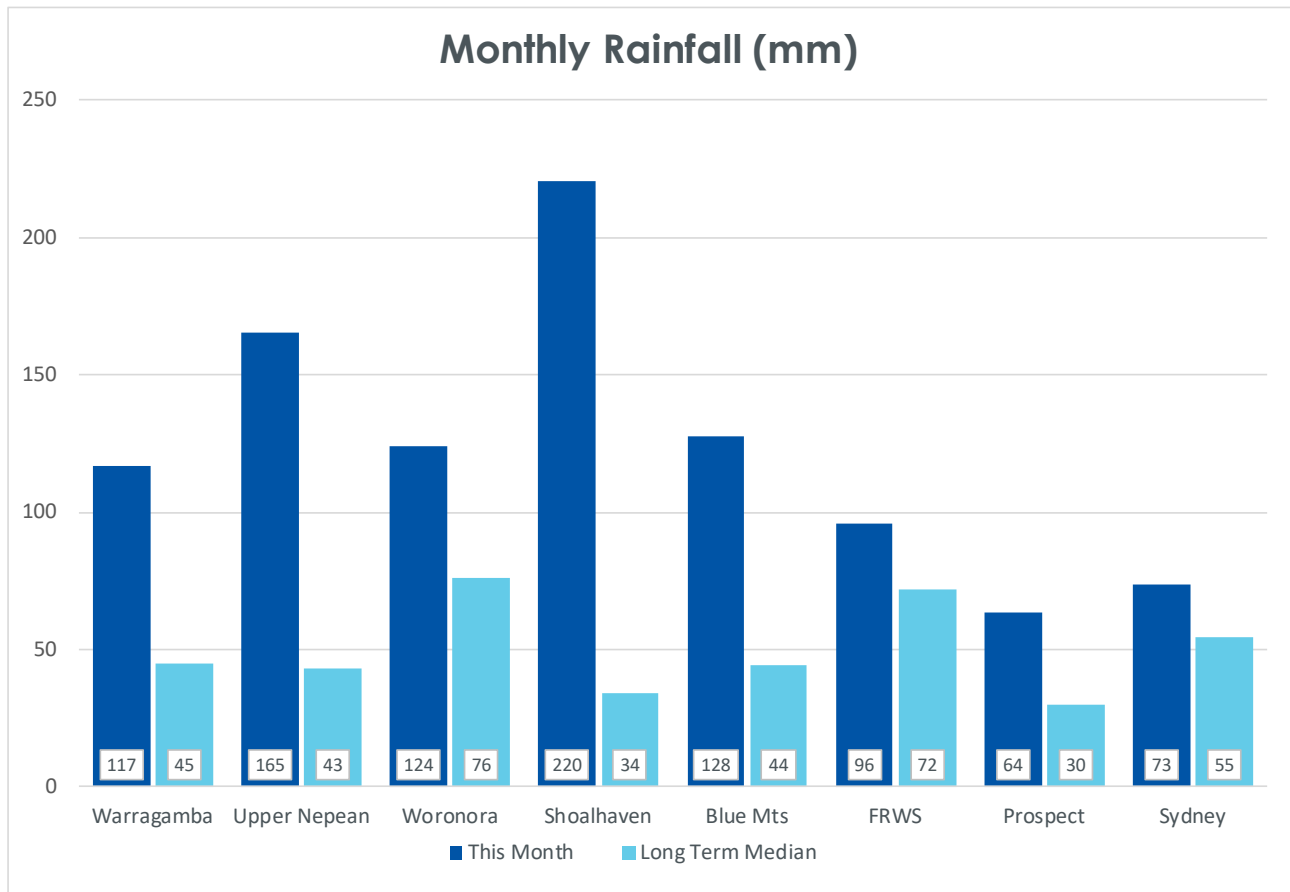


Storage	Capacity (ML)	Monday 31 August 2020			Friday 31 July 2020		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-0.78	90,667	93.3	-2.20	79,887	82.2
Cordeaux	93,640	-1.58	81,954	87.5	-2.90	73,082	78.0
Avon	146,700	-1.01	136,166	92.8	-2.09	125,366	85.5
Nepean	67,730	0.08	67,730	100.0	-5.44	51,937	76.7
Woronora	71,790	-4.60	56,092	78.1	-6.14	51,500	71.7
Warragamba	2,027,000	-0.28	2,003,754	98.9	-4.09	1,730,701	85.4
Prospect	33,330	-0.68	29,808	89.4	-0.35	31,688	95.1
Wingecarribee	24,130	-0.56	21,706	90.0	-0.26	23,057	95.6
Fitzroy Falls	9,950	-0.24	8,797	88.4	-0.38	8,131	81.7
Tallowa	7,500	0.08	7,500	100.0	0.35	7,500	100.0
Blue Mountains	2,890	-	2,725	94.3	-	2,533	87.6
TOTAL	2,581,850		2,506,899	97.1		2,185,382	84.6

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

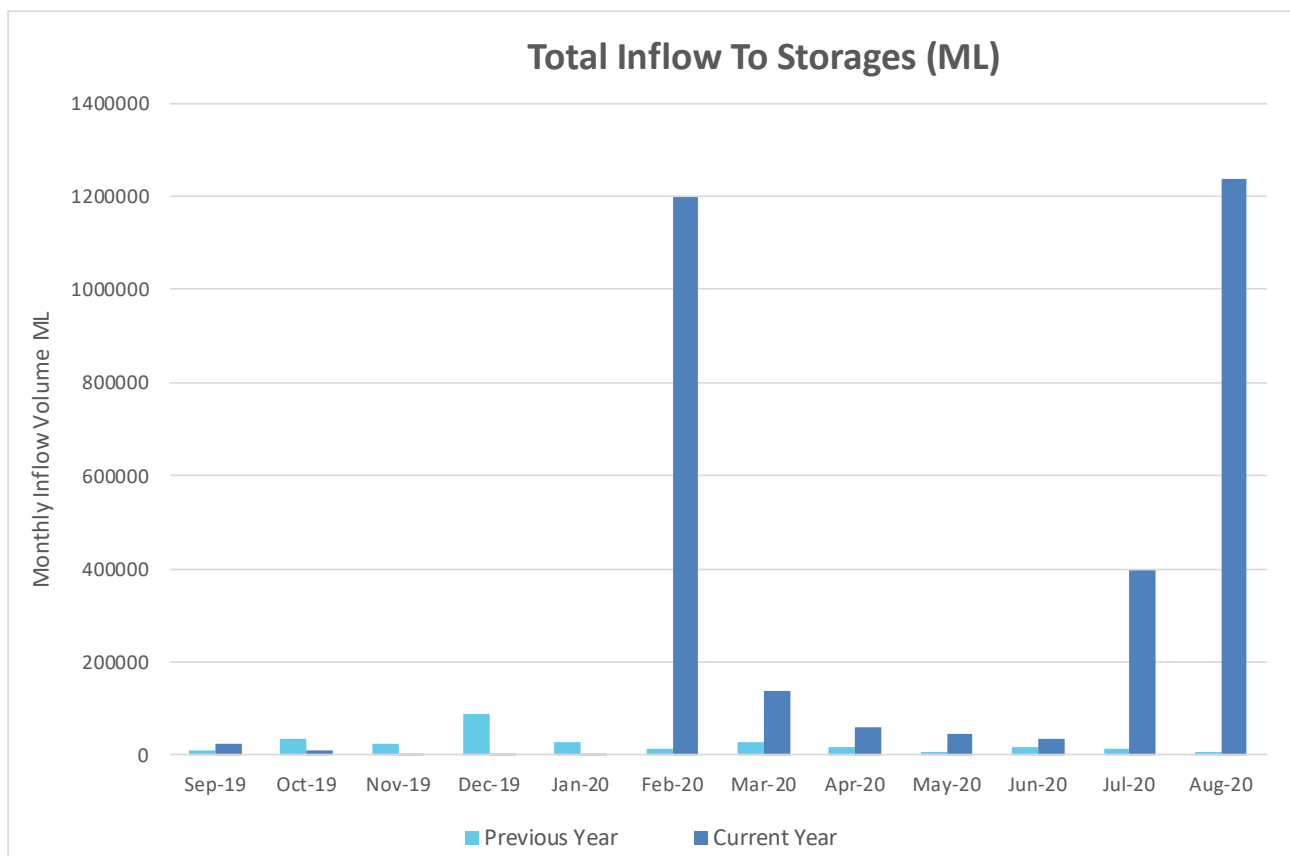
During August 2020, above average rainfall was received in all water supply catchments.



Inflows

Following moderate flows in July, significant inflows to Sydney storages were recorded during August.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	480,823	100,710	7,915	646,688	1,236,136

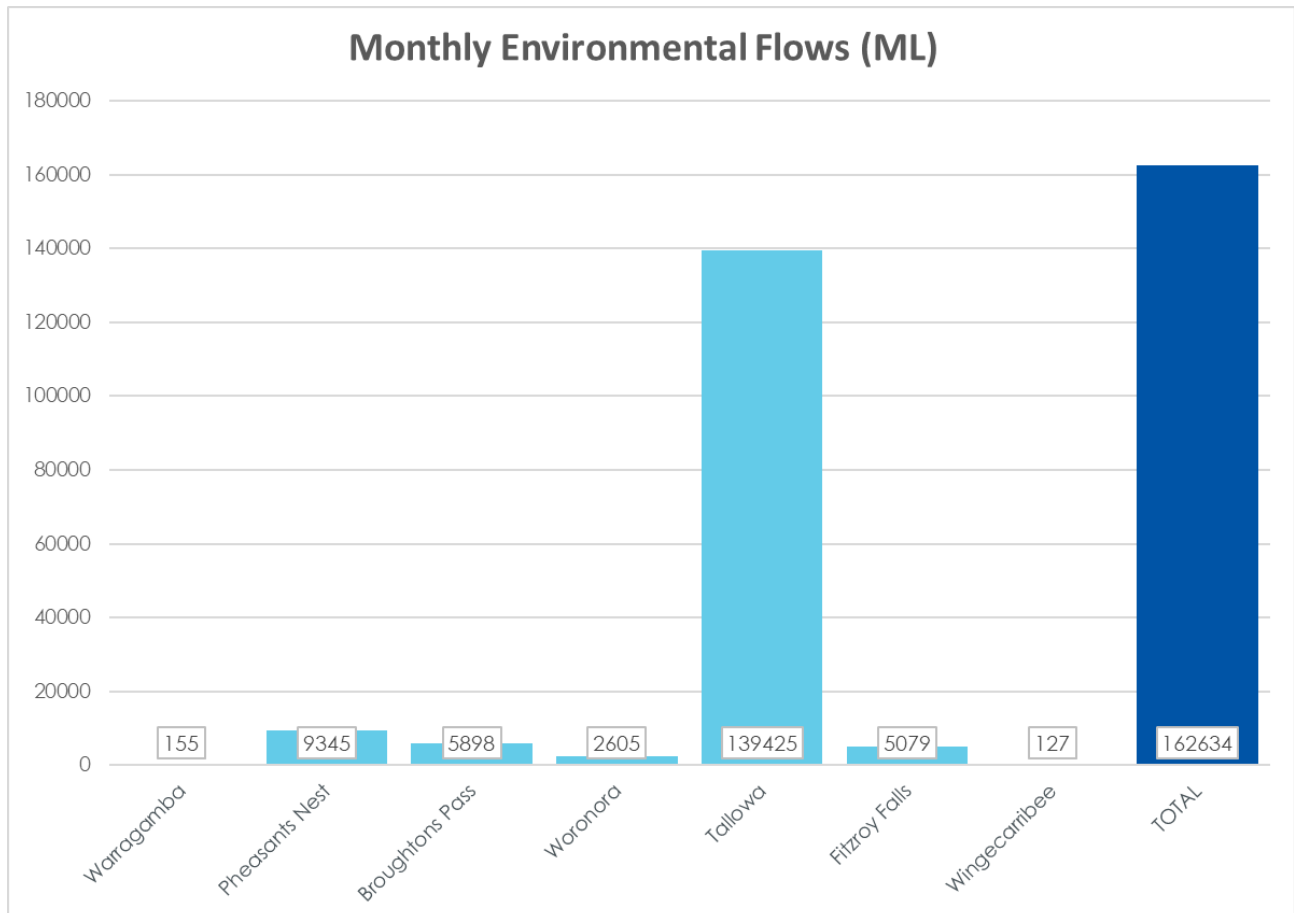


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020 to 31 Aug	1,534,004	252,302	32,076	1,293,604	3,111,985

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 the month a total of 162,634 ML was released from Sydney water sources for the environment.

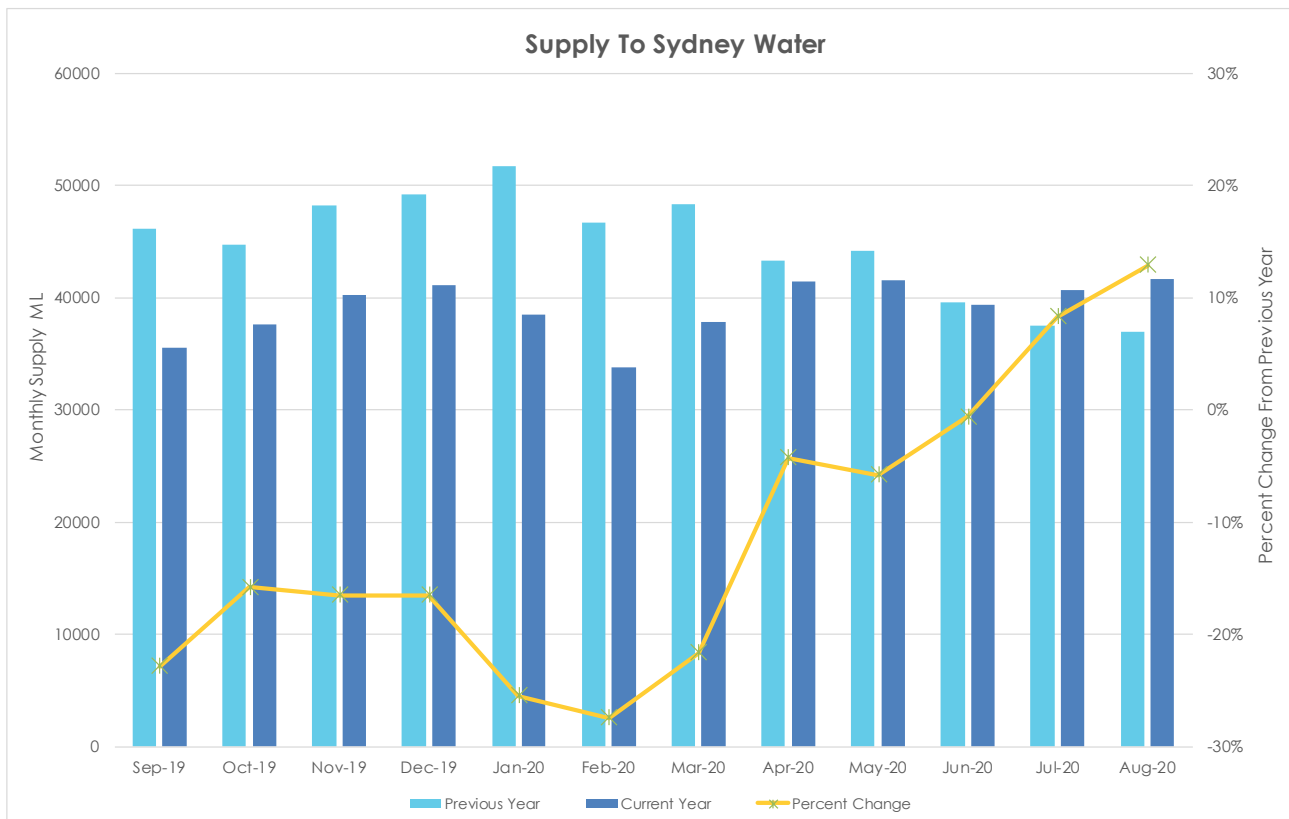


Water supplied to our customers

In the Greater Sydney area, WaterNSW supplies raw water to over 60 customers including Sydney Water Corporation, 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 41,698 ML with a daily average supply of 1,345 ML/D. This is a thirteen percent increase from the same time last year.

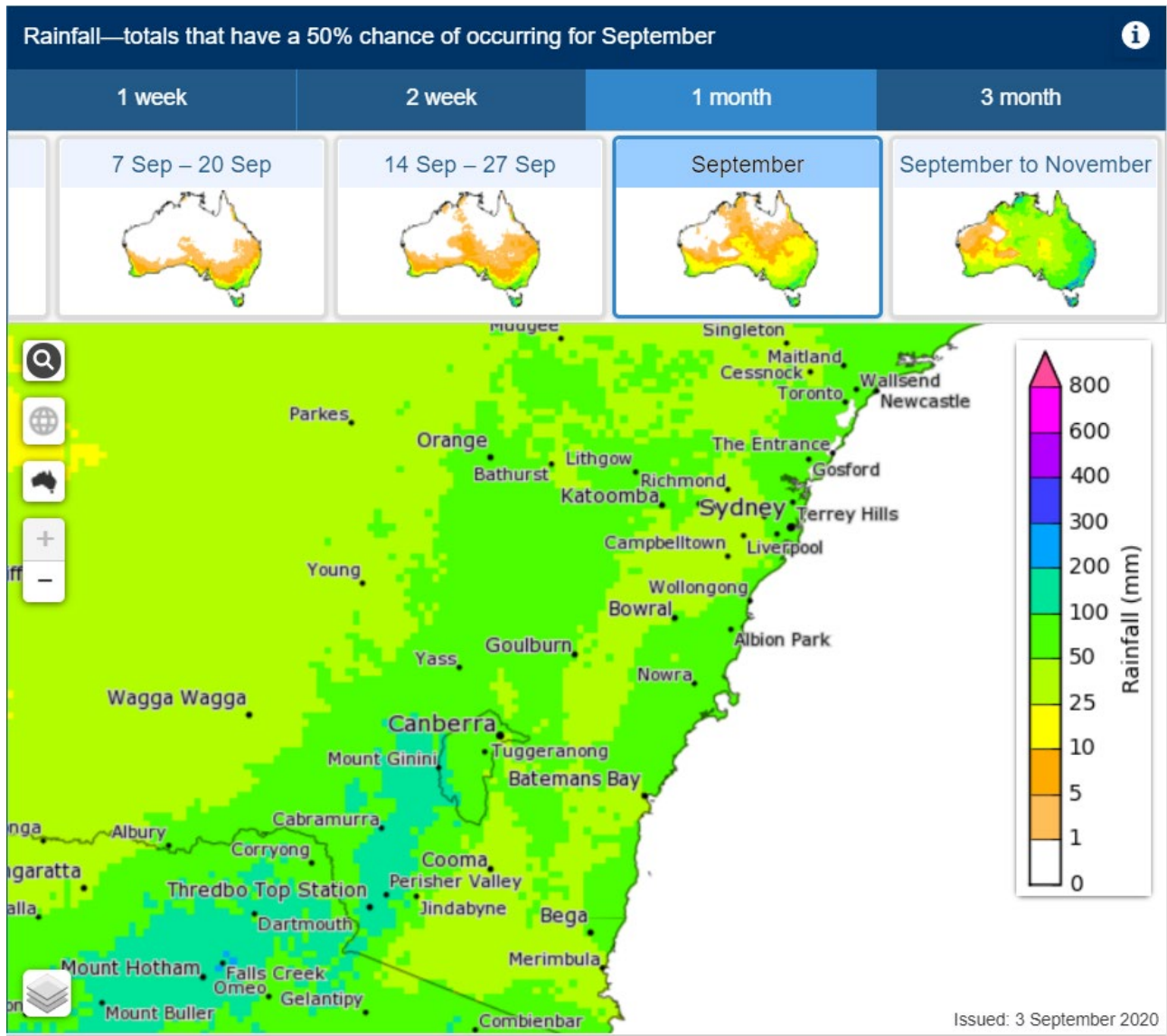


WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	299	10
Illawarra	2467	80
Macarthur	2277	73
Nepean	316	10
North Richmond	509	16
Orchard Hills	1908	62
Prospect	33101	1068
Warragamba	87	3
Woronora	734	24
TOTAL	41698	1345

Forecast

According to the Bureau of Meteorology, the remainder September 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):
2,596,150 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>