

Greater Sydney Operations Report

July 2020

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Key messages

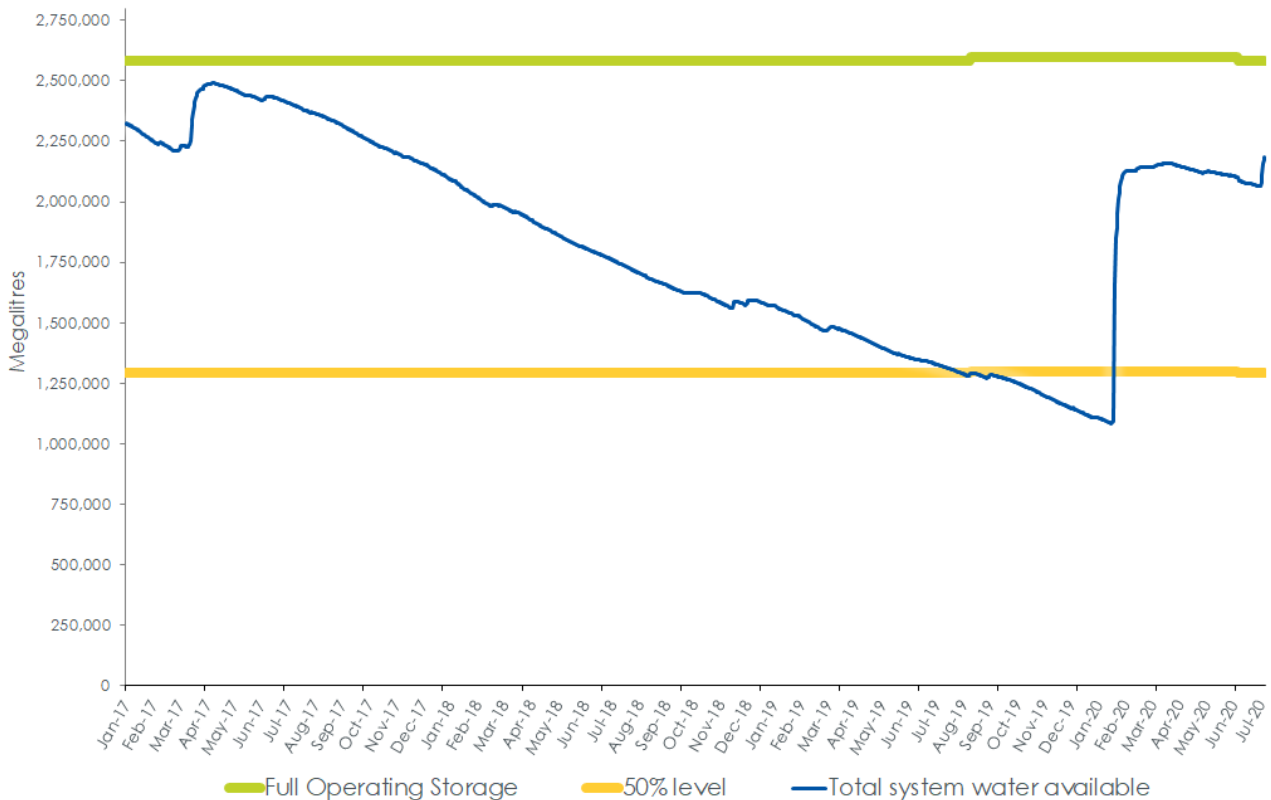
- As at Friday 31 July 2020 the total available water held in Greater Sydney storages was **84.6%**, an increase of 3.2% from last month.
- The month of July experienced well above average rainfall in all catchments except the Oberon catchment which received average rainfall.
- Almost 400 GL of water flowed into our dams across Greater Sydney, compared to 14 GL for the same time last year. Due to the heavy rainfall that fell in February and now July, our total inflows this calendar year have reached 1,880 GL – 75 percent 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 January 2021 at the earliest.
- WaterNSW continues to work closely with Sydney Water and other stakeholders to manage water quality risks associated with the heavy rainfall in February.



Storage Levels

As at Friday 31 July 2020 the total available water held in Greater Sydney storages was **84.6%**, an increase of 3.2% from last month. For more information on Greater Sydney Dam levels please visit www.watensw.com.au/sydneydamlevels

Available storage 84.2% on 31 July 2020

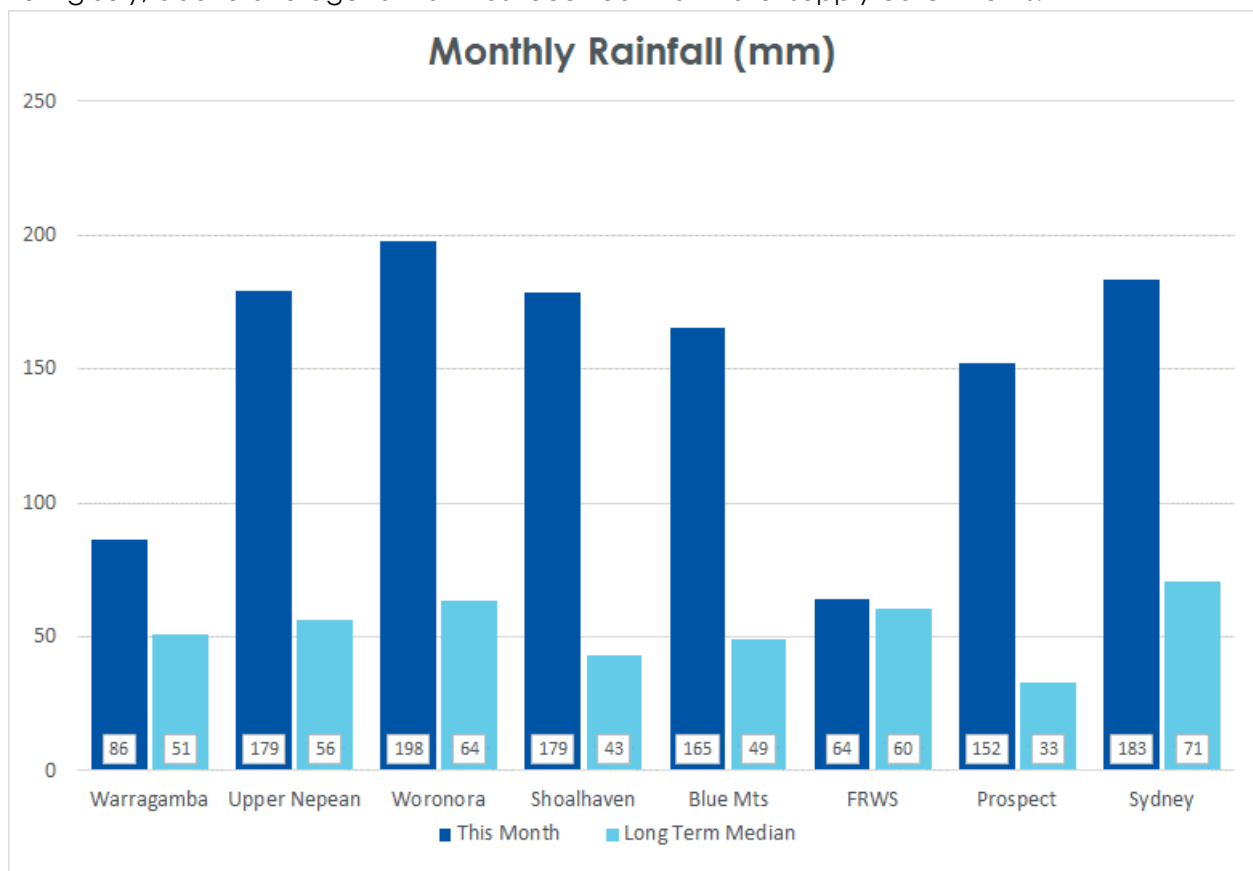


Storage	Capacity (ML)	Friday 31 July 2020			Tuesday 30 June 2020		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-2.20	79,887	82.2	-3.66	69,485	71.5
Cordeaux	93,640	-2.90	73,082	78.0	-3.50	69,206	73.9
Avon	146,700	-2.09	125,366	85.5	-2.22	124,081	84.6
Nepean	67,730	-5.44	51,937	76.7	-8.38	44,488	65.7
Woronora	71,790	-6.14	51,500	71.7	-8.50	45,014	62.7
Warragamba	2,027,000	-4.09	1,730,701	85.4	-4.98	1,669,234	82.3
Prospect	33,330	-0.35	31,688	95.1	-0.79	29,258	87.8
Wingecaribee	24,130	-0.26	23,057	95.6	-1.01	19,717	81.7
Fitzroy Falls	9,950	-0.38	8,131	81.7	-0.36	8,178	82.2
Tallowa	7,500	0.35	7,500	100.0	0.01	21,800	290.7
Blue Mountains	2,890	-	2,533	87.6	-	2,381	82.4
TOTAL	2,581,850		2,185,382	84.6		2,102,842	81.4

Note: Tallowa storage drawdown limit was changed to one metre below FSL on 1st July 2020.

Rainfall

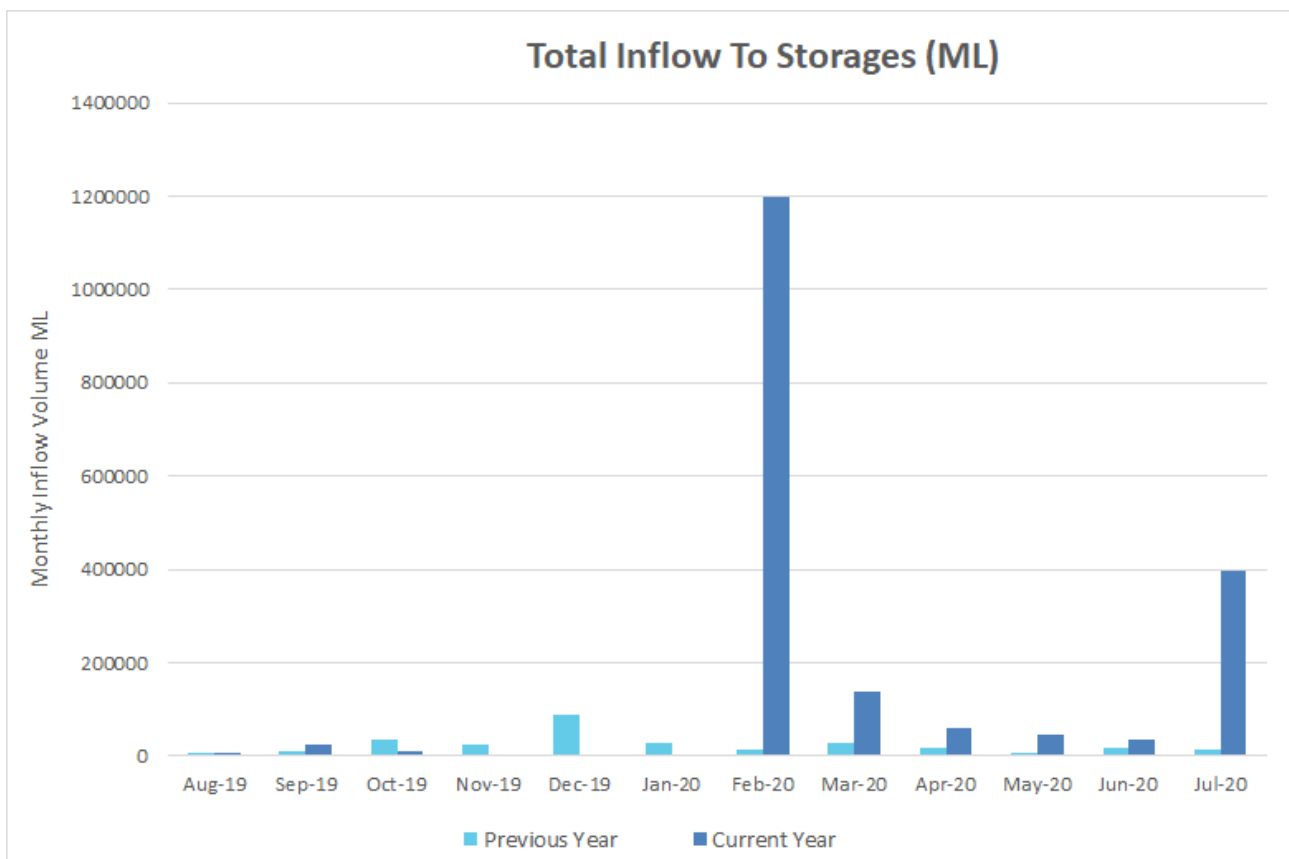
During July, above average rainfall was received in all water supply catchments.



Inflows

After minor inflows in April, May and June, moderate flows to Sydney storages were recorded during July.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	103,519	42,293	8,350	244,057	398,219

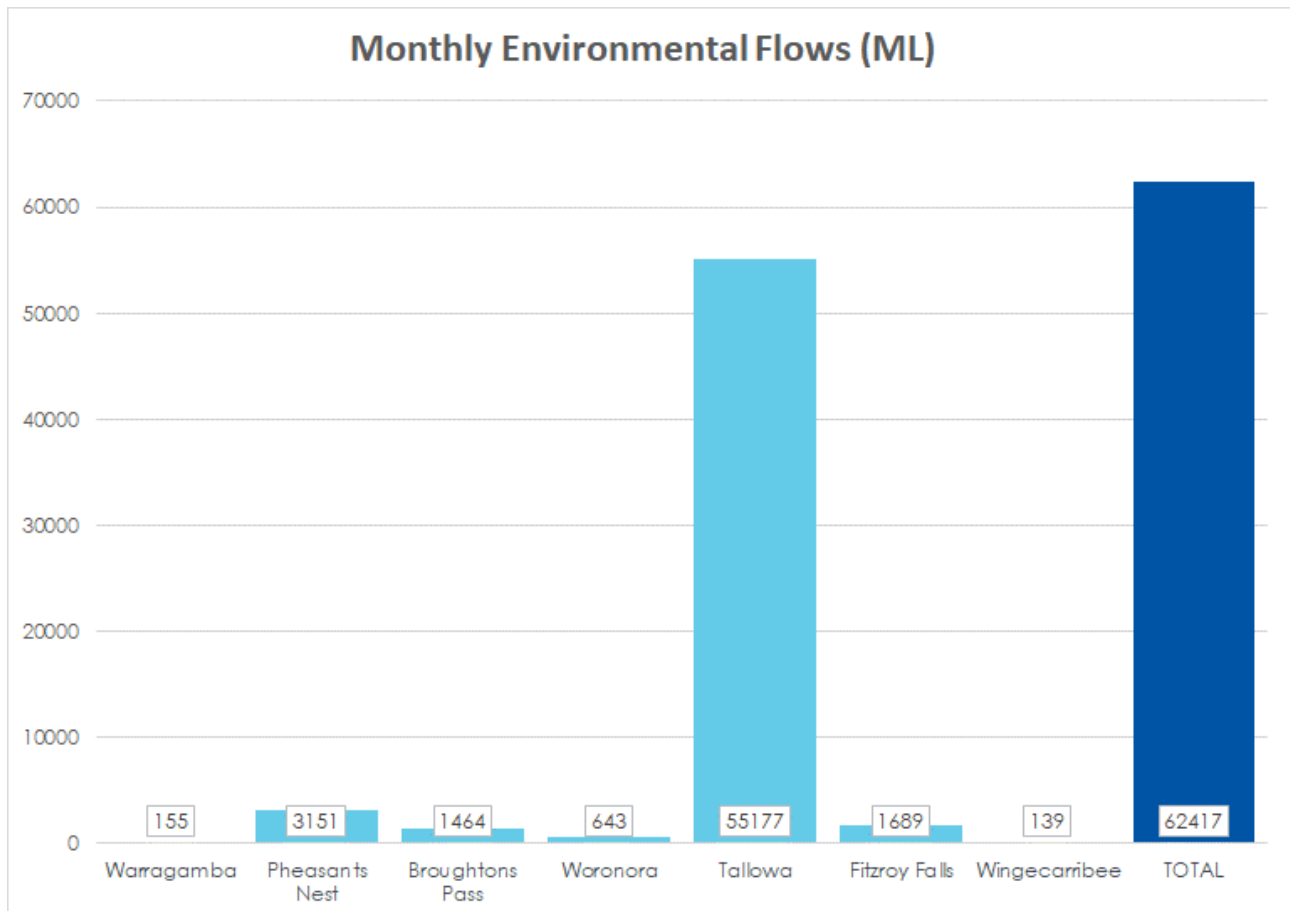


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020 to 31 Jul	1,053,180	151,592	24,161	646,917	1,875,850

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 62,417 ML was released from Sydney water sources for the environment.

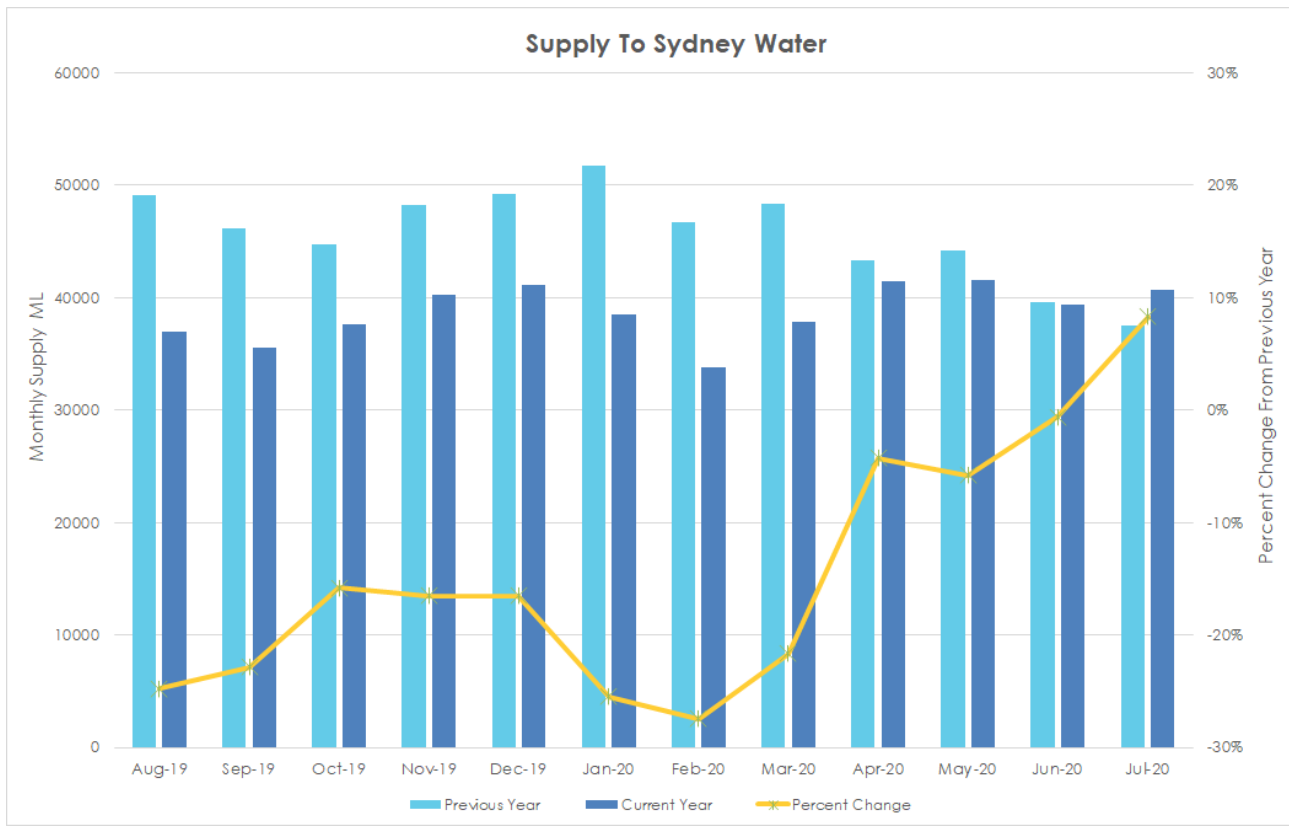


Water supplied to our customers

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 40,670 ML with a daily average supply of 1,312 ML/D. This is an eight percent increase from the same time last year.

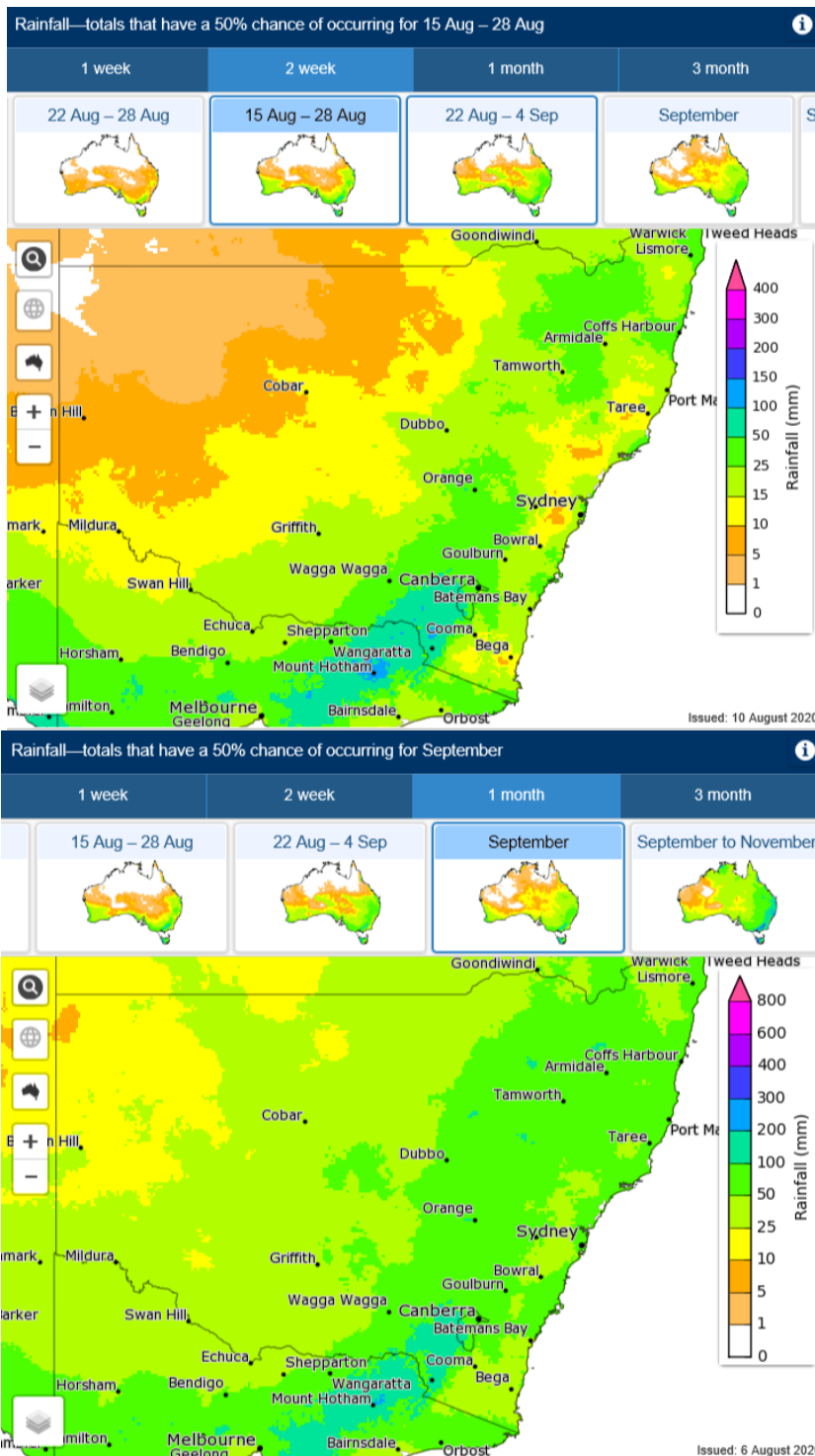


WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	262	8
Illawarra	2345	76
Macarthur	2248	73
Nepean	307	10
North Richmond	526	17
Orchard Hills	1880	61
Prospect	32289	1042
Warragamba	88	3
Woronora	725	23
TOTAL	40670	1312

Forecast

According to the Bureau of Meteorology, the remainder of August and September are likely to be wetter than average for Sydney's catchment areas. Rainfall amounts are forecast 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>