

Greater Sydney Operations Report

May 2020

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Key messages

- As at Sunday 31 May 2020 the total available water held in Greater Sydney storages was **81.8%**, a decrease of 0.7% from last month.
- The month of May saw above average rainfall for the Warragamba, Upper Nepean and Blue Mountains catchments.
- More than 44.5 GL of water flowed into our dams across Greater Sydney, compared to just 5GL for the same time last year. Due to the heavy rainfall that fell in February, our total inflows this calendar year have already passed 1,400 GL – more than half our annual long term average.
- With our storages now exceeding 80%, transfers from the Shoalhaven system have ceased and water restrictions lifted across Greater Sydney from Level 2 to 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 September 2020 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

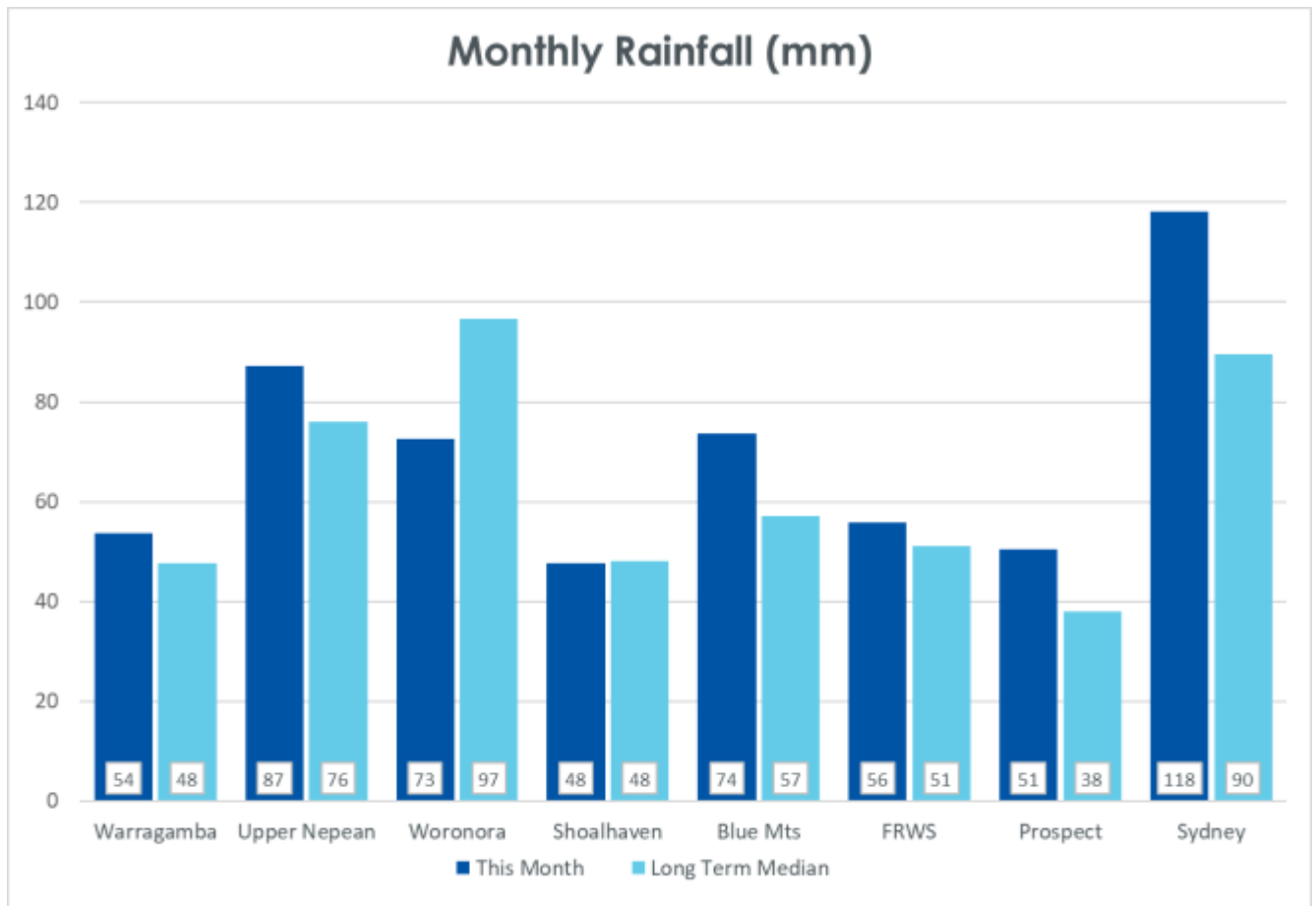
As at Sunday 31 May 2020 the total available water held in Greater Sydney storages was **81.8%**, a decrease of 0.7% since the end of last month. For more information on Greater Sydney Dam levels please visit www.waternsw.com.au/sydneydamlevels



Storage	Capacity (ML)	Sunday 31 May 2020			Thursday 30 April 2020		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-3.74	68,864	70.9	-3.88	67,905	69.9
Cordeaux	93,640	-3.13	71,475	76.3	-3.22	70,903	75.7
Avon	146,700	-1.96	126,657	86.3	-1.73	128,943	87.9
Nepean	67,730	-7.39	46,949	69.3	-5.29	52,391	77.4
Woronora	71,790	-8.34	45,429	63.3	-8.20	45,846	63.9
Warragamba	2,027,000	-4.80	1,681,481	83.0	-4.61	1,694,567	83.6
Prospect	33,330	-0.53	30,564	91.7	-0.60	30,210	90.6
Wingecarribee	24,130	-1.10	19,593	81.2	-1.18	19,097	79.1
Fitzroy Falls	9,950	-0.35	8,320	83.6	-0.69	6,672	67.1
Tallowa	21,800	-0.04	21,450	98.4	0.03	21,800	100.0
Blue Mountains	2,890	-	2,510	86.9	-	2,605	90.1
TOTAL	2,596,150		2,123,292	81.8		2,140,939	82.5

Rainfall

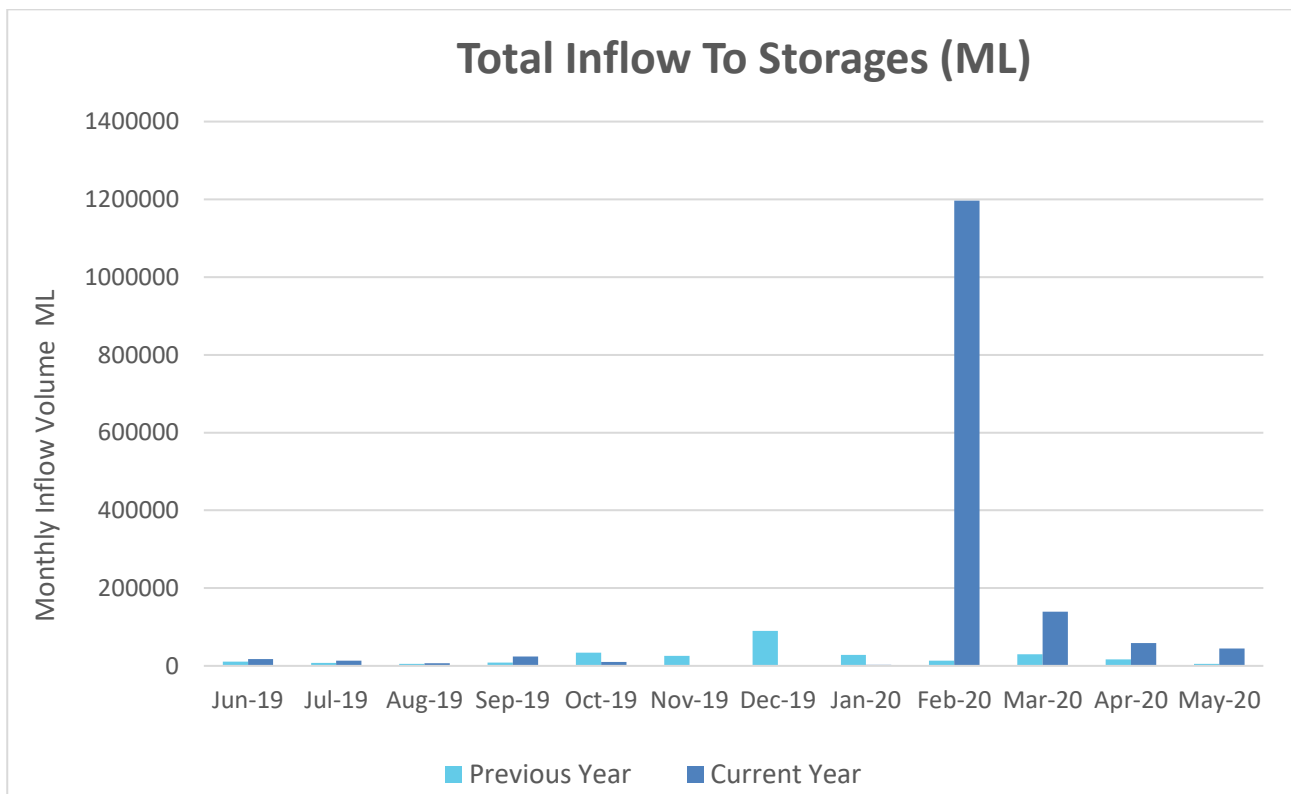
During May, above average rainfall was received in the Warragamba, Upper Nepean and Blue Mountains catchments.



Inflows

After extremely high inflows in February, moderate inflows to Sydney storages were recorded during May.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	24,027	4,383	695	15,441	44,546

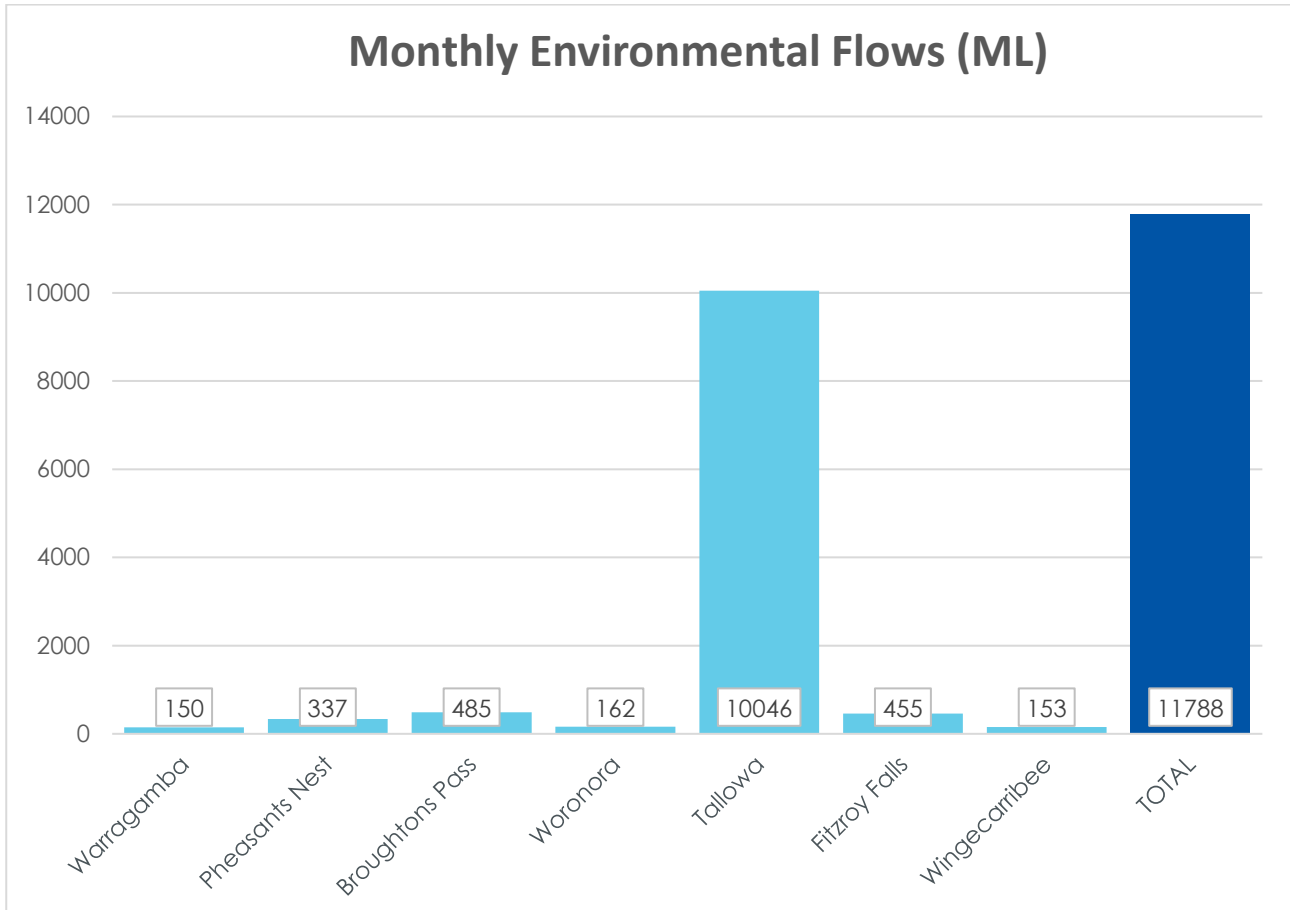


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020 to 31 May	929,104	105,987	15,136	391,524	1,441,750

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 11,788 ML was released from Sydney water sources for the environment.

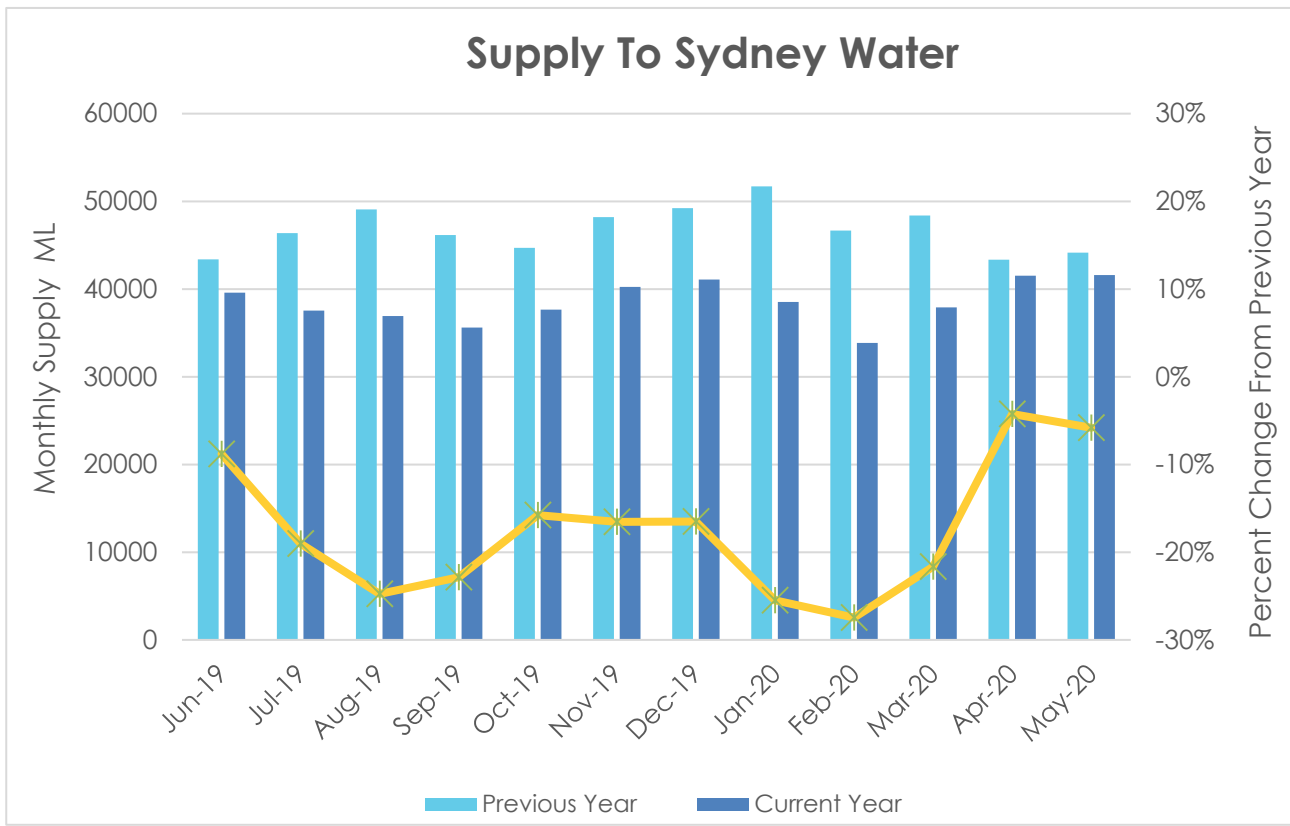


Water supplied to our customers

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 41,588 ML with a daily average supply of 1,342 ML/D. This is a six percent decrease from the same time last year.

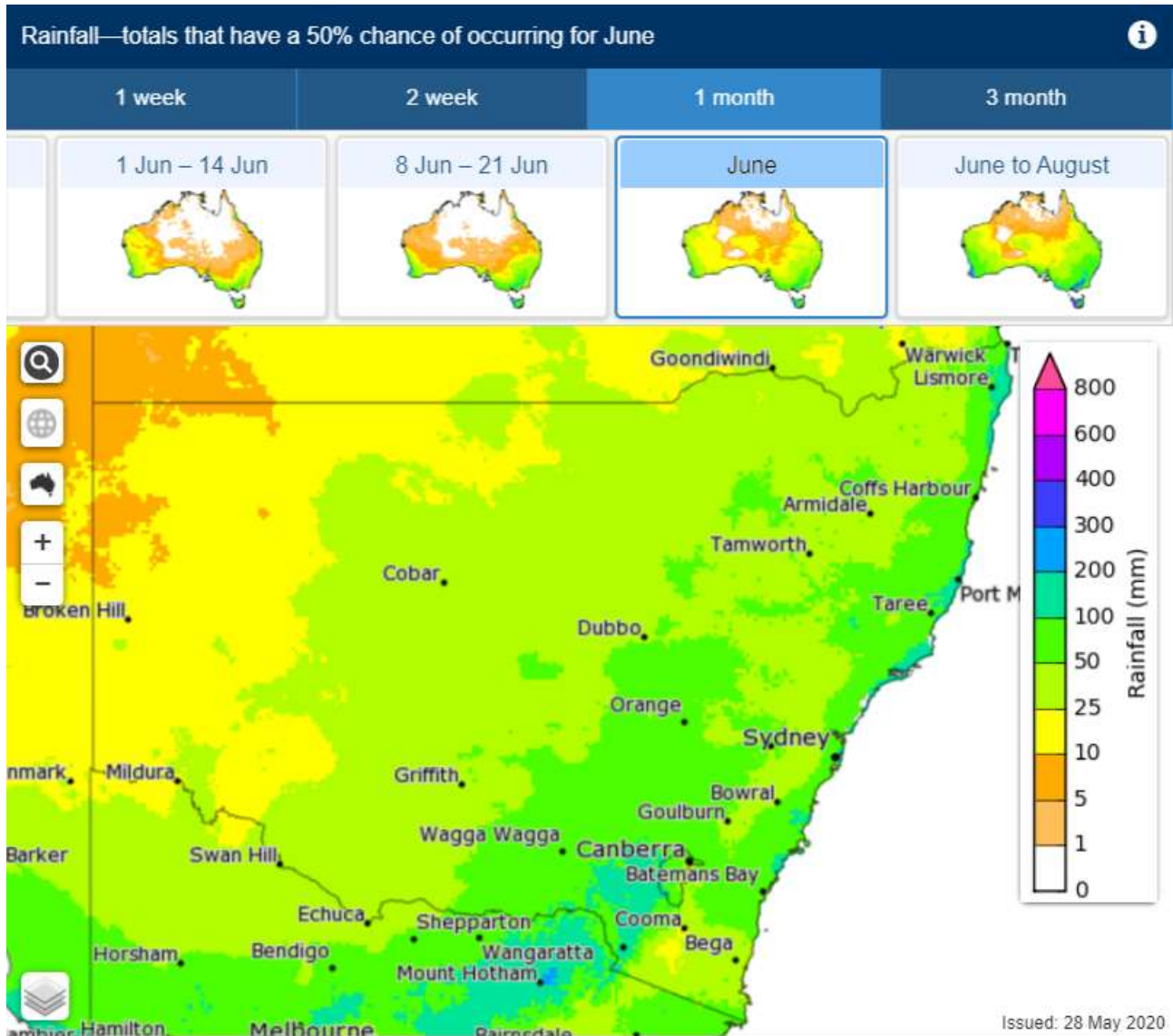


WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	218	7
Illawarra	2418	78
Macarthur	2306	74
Nepean	360	12
North Richmond	527	17
Orchard Hills	1936	62
Prospect	32969	1064
Warragamba	97	3
Woronora	757	24
TOTAL	41588	1342

Forecast

According to the Bureau of Meteorology, the likelihood of a wetter or drier June is roughly equal 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>