

Greater Sydney Operations Report

January 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

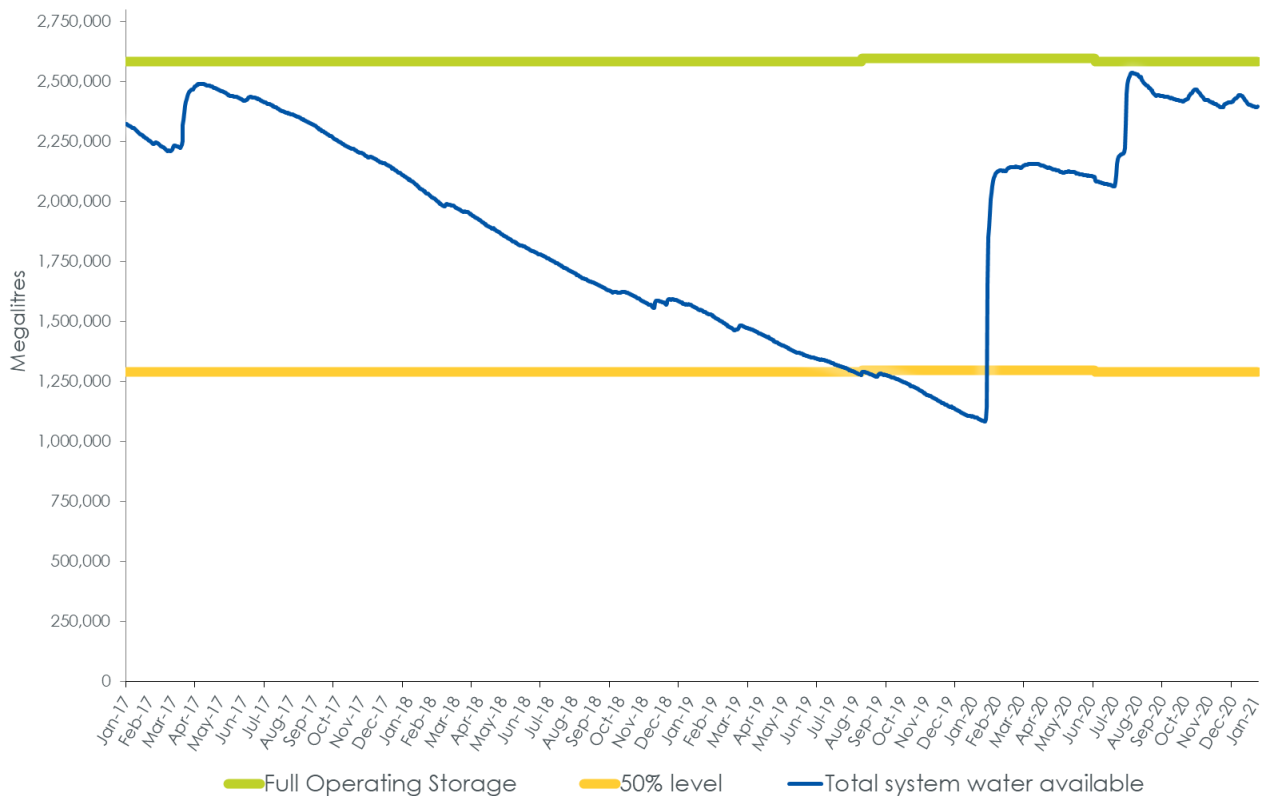
- As at 31 January 2021 the total available water held in Greater Sydney storages was **92.8%**, a decrease of 1.2 % from last month.
- All the Greater Sydney catchments experienced above average rainfall for the month of January.
- Our total inflow a month this calendar year has reached 120 GL, which is 5% 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 November 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 Sunday 31 January 2021 the total available water held in Greater Sydney storages was **92.8%**, an decrease of 1.2% from last month. For more information on Greater Sydney Dam levels please visit www.watersw.com.au/sydneydamlevels

Available storage 92.8% on 31 January 2021

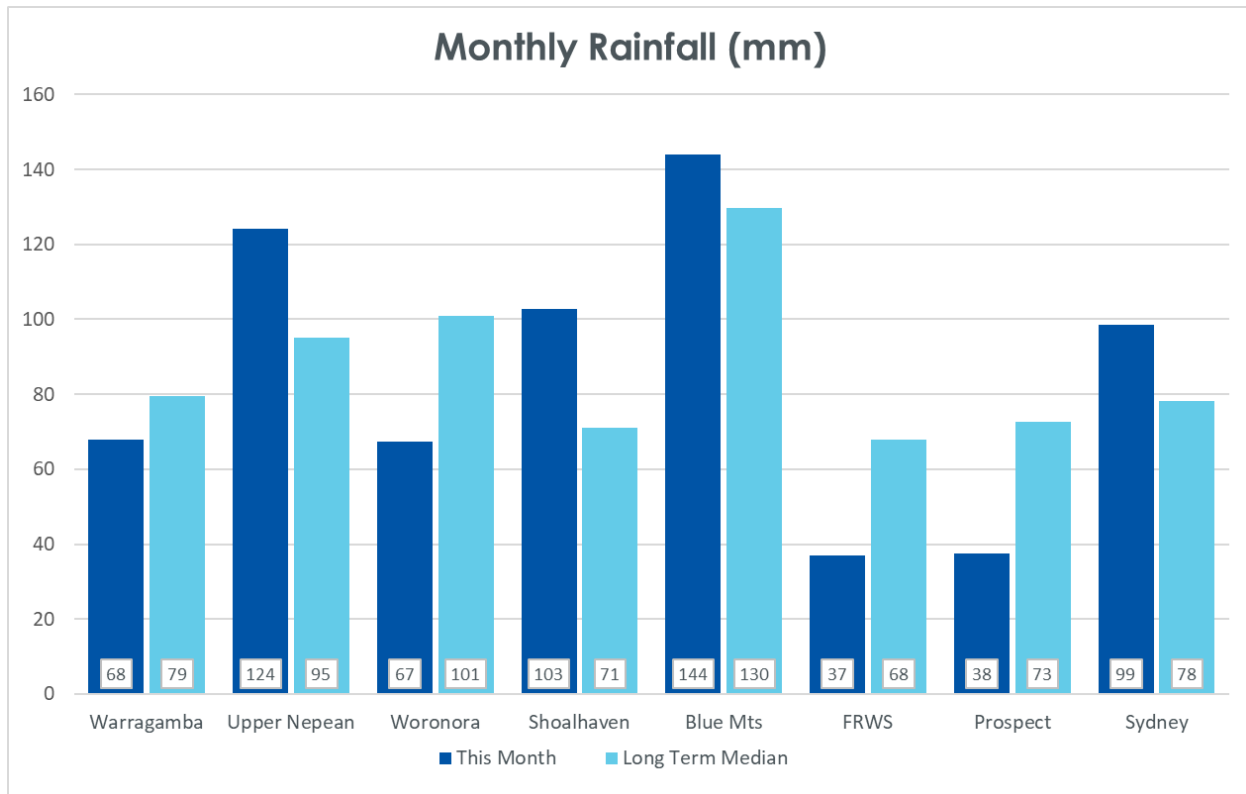


Storage	Capacity (ML)	Sunday 31 January 2021			Thursday 31 December 2020		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-2.40	78,410	80.7	-2.20	79,887	82.2
Cordeaux	93,640	-2.10	78,204	83.5	-2.00	78,888	84.2
Avon	146,700	-2.65	119,771	81.6	-2.60	120,354	82.0
Nepean	67,730	-3.96	55,903	82.5	-3.71	56,599	83.6
Woronora	71,790	-5.88	52,259	72.8	-5.50	53,380	74.4
Warragamba	2,027,000	-1.13	1,943,221	95.9	-0.79	1,968,319	97.1
Prospect	33,330	-0.41	31,175	93.5	-0.39	31,277	93.8
Wingecarribee	24,130	-0.95	20,051	83.1	-0.88	20,387	84.5
Fitzroy Falls	9,950	-0.40	8,131	81.7	-0.26	8,702	87.5
Tallowa	7,500	0.14	7,500	100.0	0.03	7,500	100.0
Blue Mountains	2,890	-	2,258	78.1	-	2,310	79.9
TOTAL	2,581,850		2,396,883	92.8		2,427,603	94.0

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

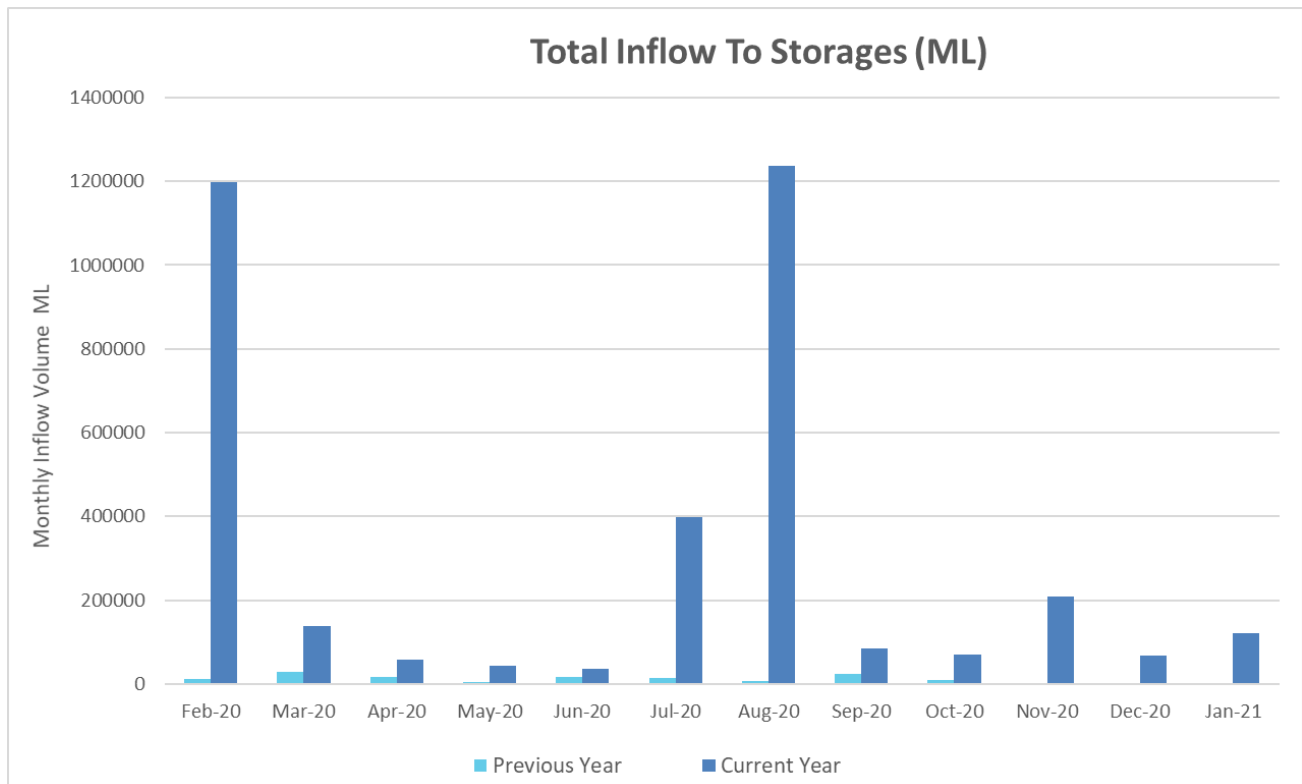
During January 2021, rainfall was above the long term median for the month of December.



Inflows

Sydney storages received moderate inflows during January 2021.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	69,557	11,680	233	38,803	120,273

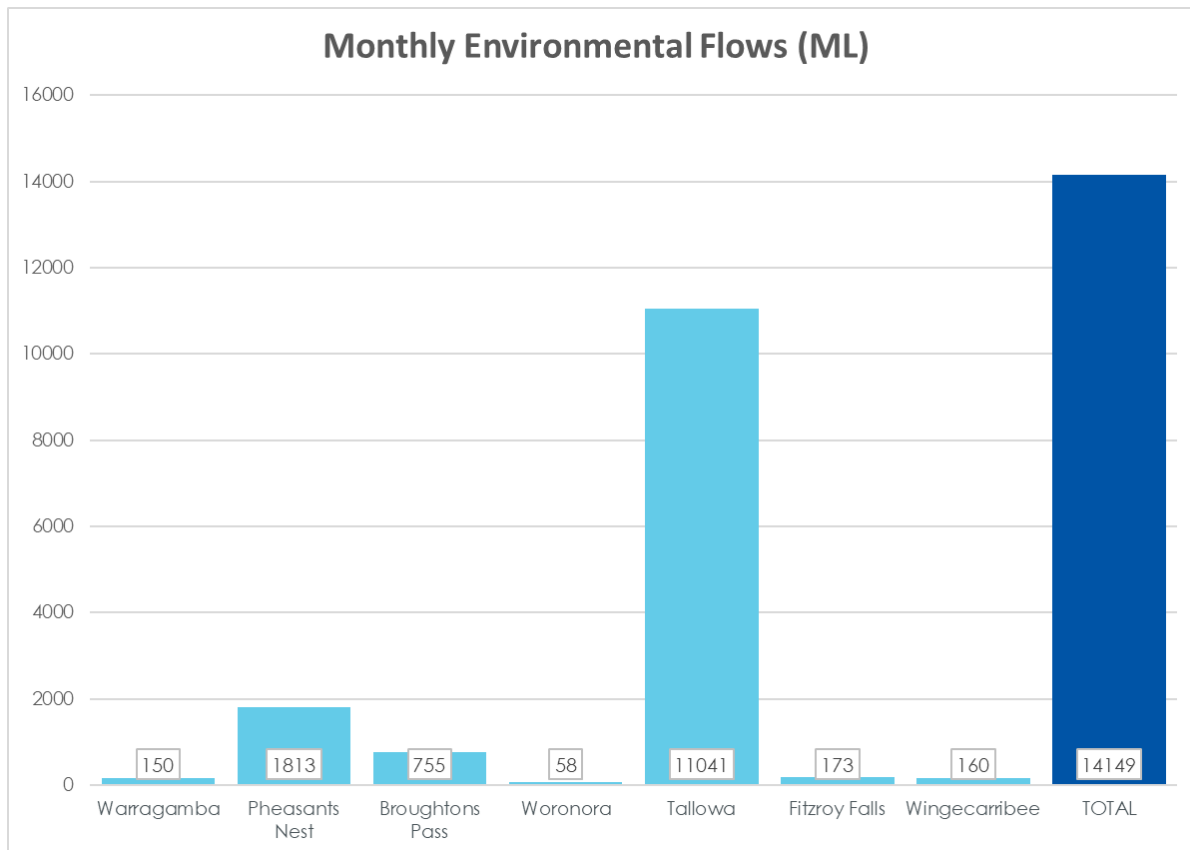


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020 to 31 Jan	1,815,176	288,518	34,803	1,526,234	3,664,732

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 December a total of 14,149 ML was released from Sydney water sources for the environment.

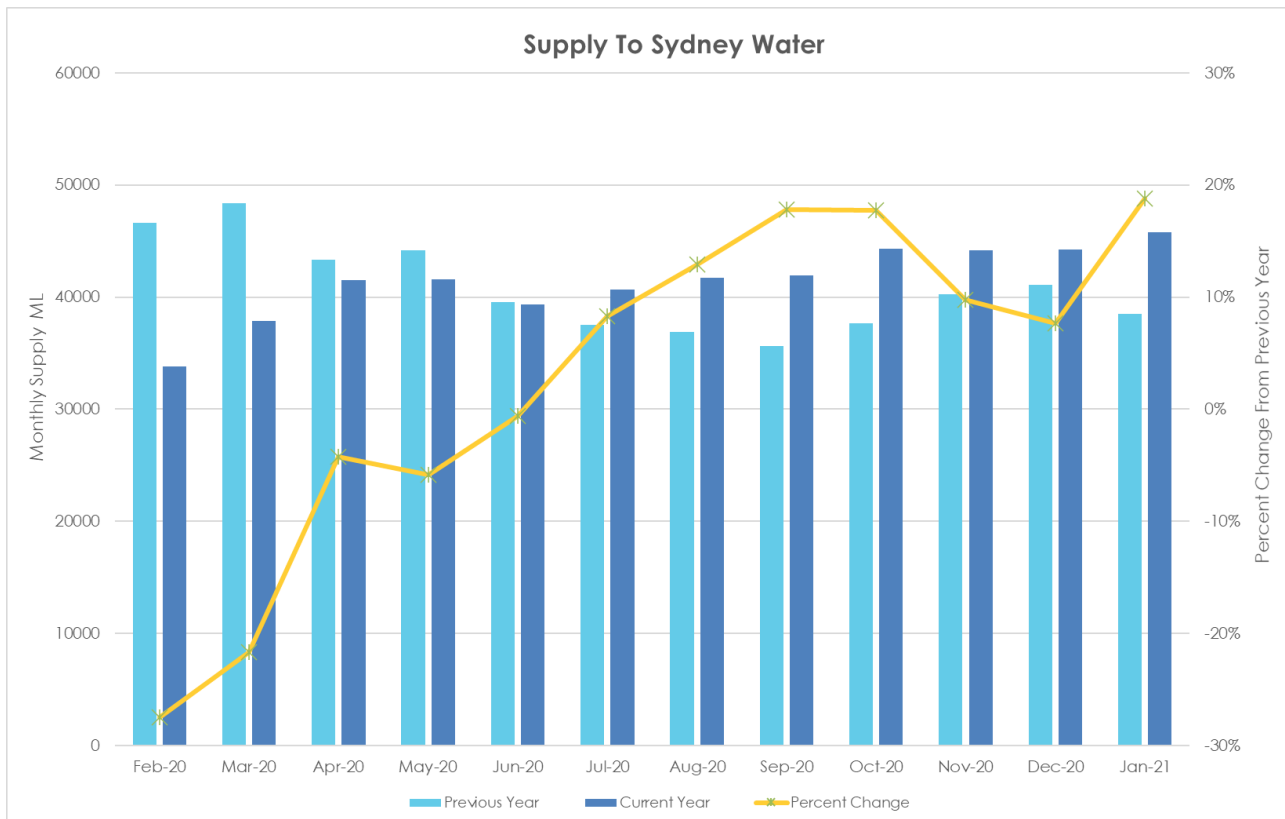


Water supplied to our customers

In the Greater Sydney area, WaterNSW supplies raw water to over 60 customers including Sydney Water Corporation, Wingecaribee 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 45,783 ML with a daily average supply of 1,477 ML/D. This is an 19% increase from the same time last year.

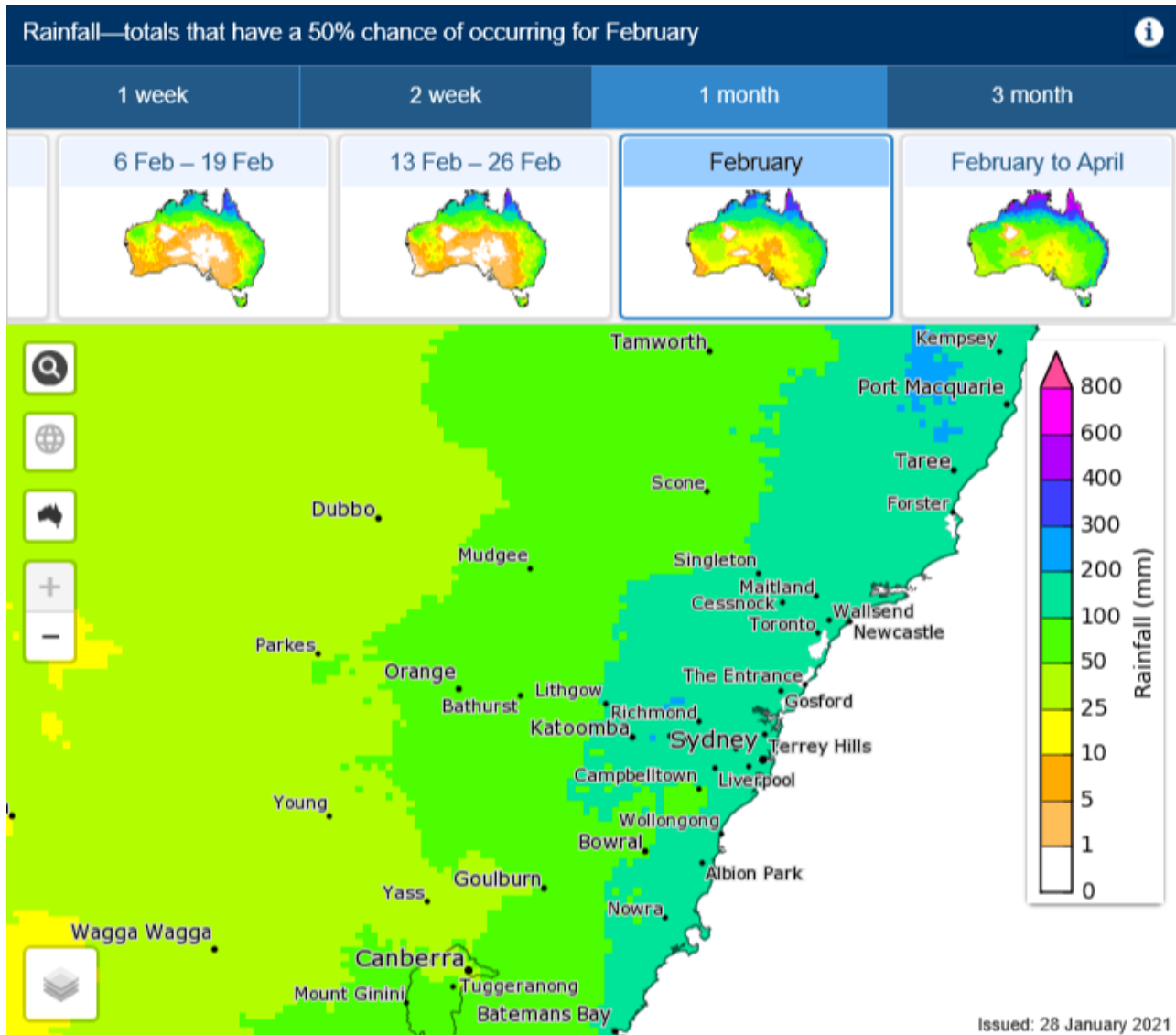


WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	280	9
Illawarra	2647	85
Macarthur	3016	97
Nepean	503	16
North Richmond	598	19
Orchard Hills	2185	70
Prospect	35204	1136
Warragamba	112	4
Woronora	1238	40
TOTAL	45783	1477

Forecast

According to the Bureau of Meteorology, the remainder of February 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 Kilotitre (KL) = 1000 litres

1 Megalitre (ML) = 1000 Kilotitres

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.watersw.com.au/greatersydney>