

Greater Sydney Operations Report

December 2020

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Key messages

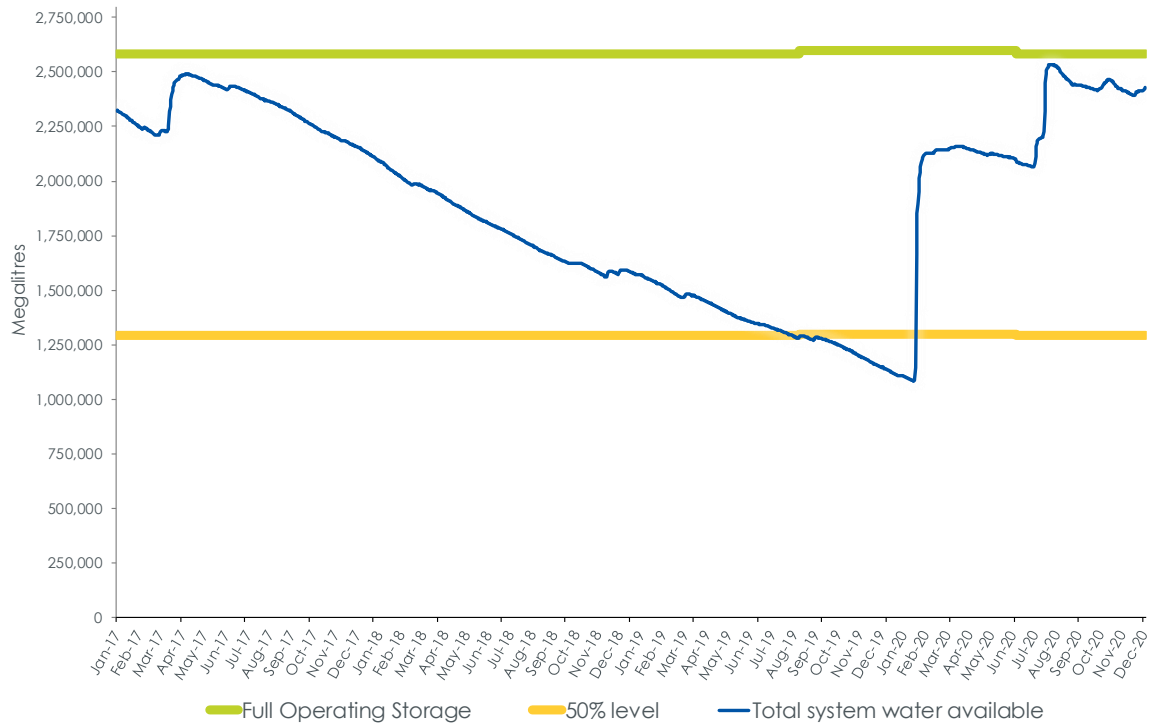
- As at 31 December 2020 the total available water held in Greater Sydney storages was **94.0%**, an increase of 0.5 % from last month.
- All the Greater Sydney catchments experienced above average rainfall for the month of December.
- Approximately 67 GL of water flowed into our dams this month compared to 0.5 GL for the same time last year. Due to heavy rainfall in February, July and August our total inflow this calendar year has reached 3,544 GL, which is 143% 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 August 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 Thursday 31 December 2020 the total available water held in Greater Sydney storages was **94.0%**, an increase of 0.5% from last month. For more information on Greater Sydney Dam levels please visit www.watersw.com.au/sydneydamlevels

Available storage 94.0% on 31 December 2020

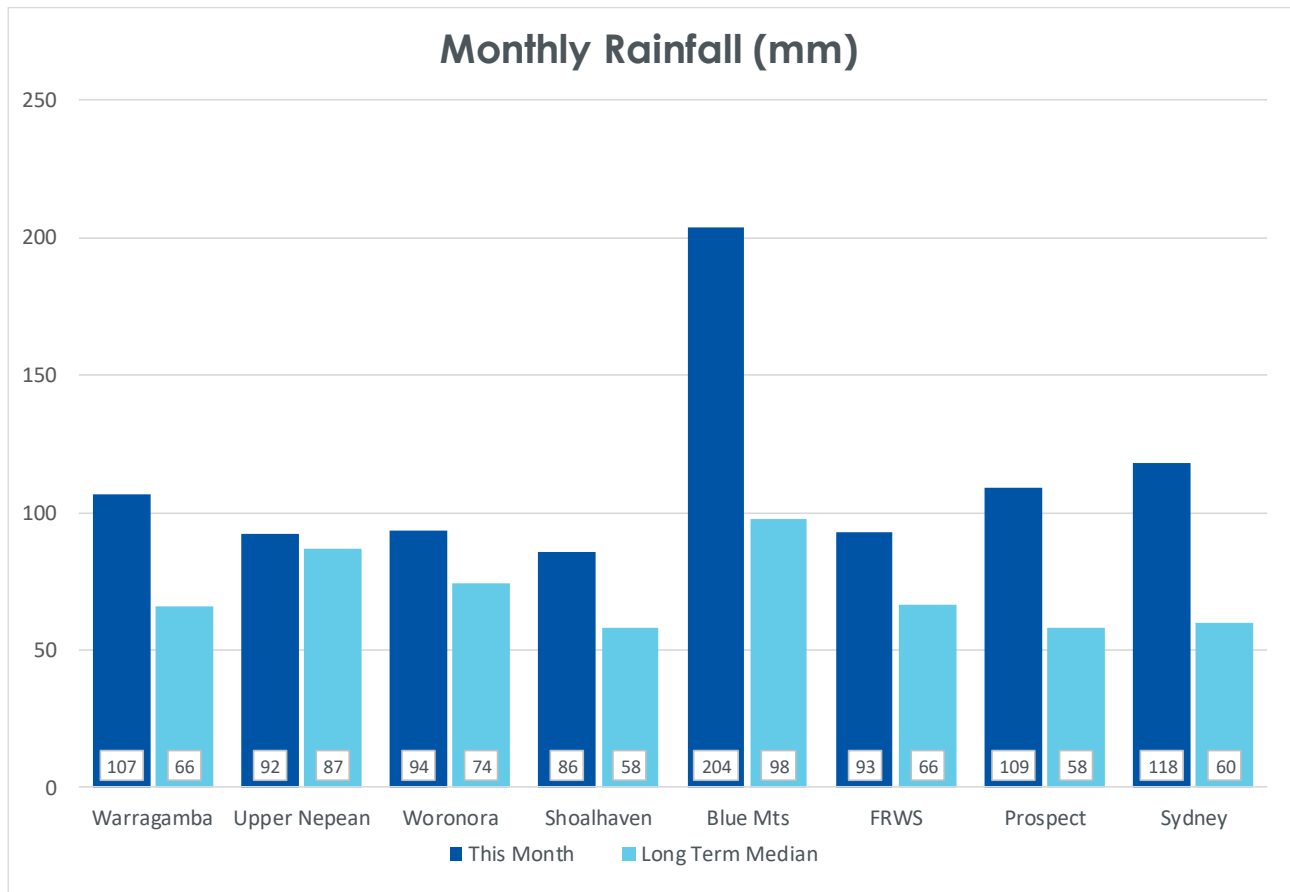


Storage	Capacity (ML)	Thursday 31 December 2020			Monday 30 November 2020		
		Level (m)	Available (ML)	Available (%)	Level (m)	Available (ML)	Available (%)
Cataract	97,190	-2.20	79,887	82.2	-1.94	81,752	84.1
Cordeaux	93,640	-2.00	78,888	84.2	-1.76	80,620	86.1
Avon	146,700	-2.60	120,354	82.0	-2.34	122,899	83.8
Nepean	67,730	-3.71	56,599	83.6	-3.10	58,378	86.2
Woronora	71,790	-5.50	53,380	74.4	-5.20	54,306	75.6
Warragamba	2,027,000	-0.79	1,968,319	97.1	-1.07	1,947,649	96.1
Prospect	33,330	-0.39	31,277	93.8	-0.54	30,514	91.6
Wingecarribee	24,130	-0.88	20,387	84.5	-0.83	20,682	85.7
Fitzroy Falls	9,950	-0.26	8,702	87.5	-0.55	7,328	73.6
Tallowa	7,500	0.03	7,500	100.0	0.05	7,500	100.0
Blue Mountains	2,890	-	2,310	79.9	-	2,272	78.6
TOTAL	2,581,850		2,427,603	94.0		2,413,900	93.5

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

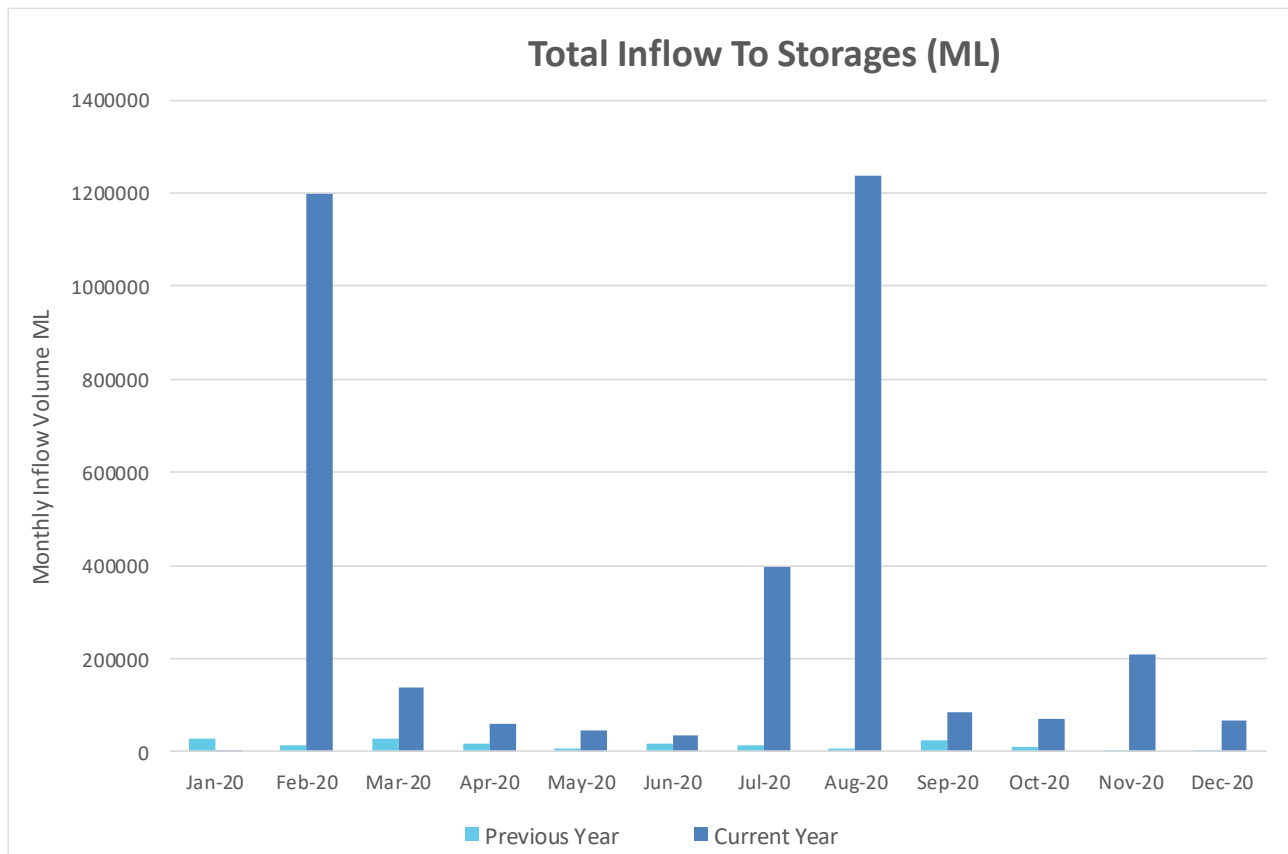
During December 2020, rainfall was above the long term median for the month of December.



Inflows

Sydney storages received moderate inflows during December 2020.

Monthly Inflow (ML)	Warragamba	Upper Nepean	Woronora	Tallowa	TOTAL
	44,579	4,129	231	18,146	67,086

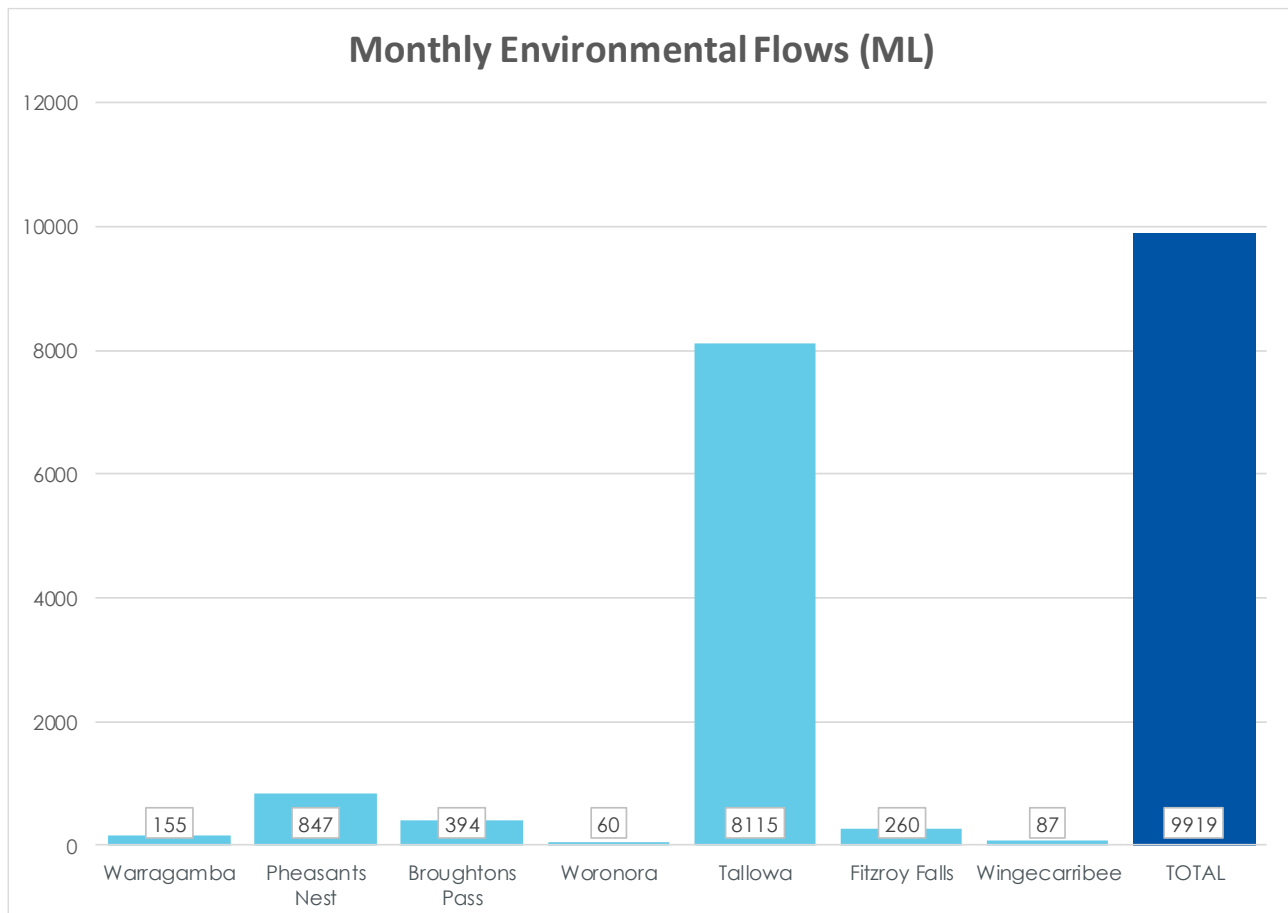


Calendar Year	Warragamba Inflow (ML)	Upper Nepean Inflow (ML)	Woronora Inflow (ML)	Tallowa Inflow (ML)	TOTAL (ML)
Average Annual	1,069,000	316,000	30,000	1,071,000	2,486,000
2018	103,234	32,199	2,433	136,559	274,425
2019	50,350	35,828	2,755	78,024	166,956
2020 to 31 Dec	1,745,619	276,838	34,570	1,487,432	3,544,459

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 9,919 ML was released from Sydney water sources for the environment.

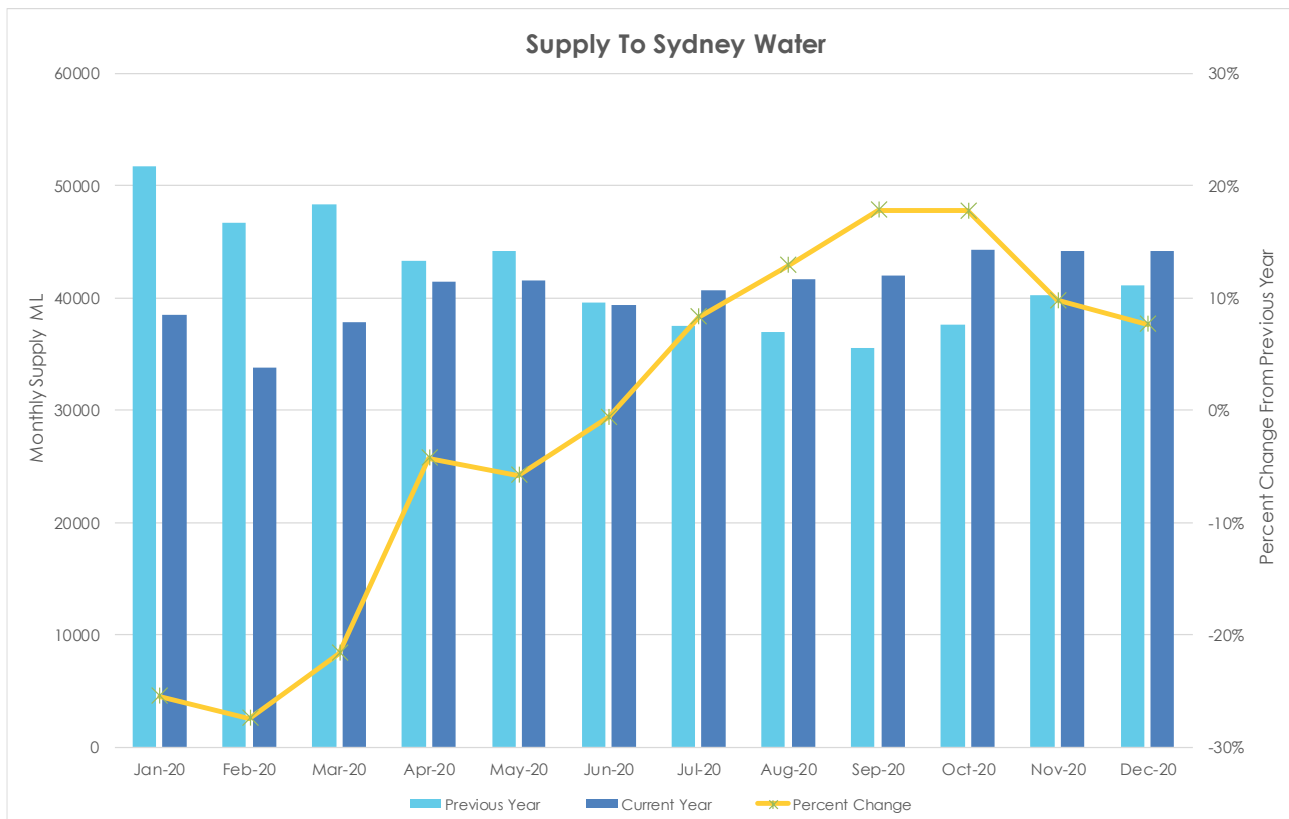


Water supplied to our customers

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 44,224 ML with a daily average supply of 1,427 ML/D. This is an 8% increase from the same time last year.

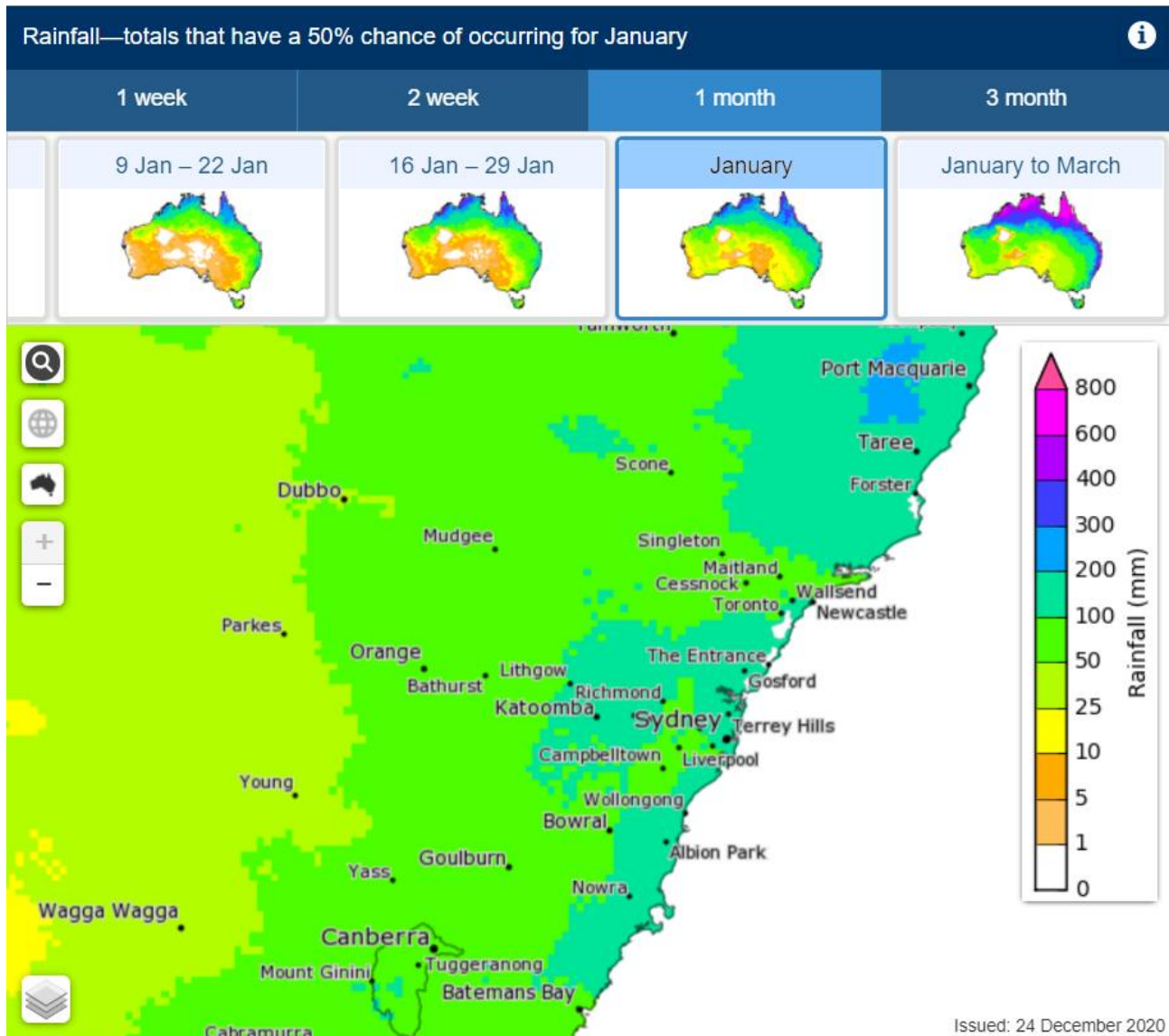


WaterNSW supplies raw, untreated water from our dams to the water filtration plants below:

Filtration Plant	Monthly Supply (ML)	Average Daily Supply (ML)
Cascade	295	10
Illawarra	2625	85
Macarthur	2753	89
Nepean	548	18
North Richmond	576	19
Orchard Hills	2014	65
Prospect	34122	1101
Warragamba	104	3
Woronora	1187	38
TOTAL	44224	1427

Forecast

According to the Bureau of Meteorology, the remainder of January and 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 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.watensw.com.au/greatersydney>