



Ourimbah Catchment Water Monitoring Results (PFAS)

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Standards for Australian Drinking Water as set by the Australian National Health and Medical Research Council. The below table shows the current and proposed new PFAS guidelines for Australian Drinking Water. The proposed new guidelines are expected to take effect later this year.

PFAS Type	Current Limits (ADWG, 2011)	New Proposed Limits (ADWG, TBD)
PFOS	Less than 0.07 micrograms / L (ug/L)	Less than 0.004 ug/L
PFHxS	Less than 0.07 micrograms / L (ug/L)	Less than 0.03ug/L
PFOA	0.56 micrograms / L (ug/L)	Less than 0.2 ug/L
PFBS	N/A	Less than 1.0 ug/L

Results for Ourimbah Catchment

*Sites are ordered from bottom of catchment to the upper reaches of the catchment

** Units are in micrograms per litre

Site	Month	PFAS Substance	Notes
1	8 August 2024	N/D	
6		N/D	
2		N/D	
3		N/D	
5		N/D	
7		N/D	
8		N/D	
1			N/D

Site	Month	PFAS Substance	Notes
6	13 November 2024	PFHxS (0.002) PFBS (0.001)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines
2		N/D	
3		N/D	
5		PFHxS (0.002) PFBS (0.002)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines
8		N/D	
7		PFOS (0.006) PFHxS (0.047) PFOA (0.019) PFBS (0.065)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS below current Guidelines only.
1		12 December 2024	N/D
6	PFOS (0.002) PFHxS (0.002) PFOA (0.002) PFBS (0.001)		Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines
2	N/D		
3	N/D		
5	PFHxS (0.002) PFOA (0.002) PFBS (0.001)		Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines
8	N/D		
7	PFOS (0.007) PFHxS (0.039) PFOA (0.039) PFBS (0.04)		PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>below</u> current Guidelines only.
1	15 January 2025		N/D
6		PFHxS (0.002)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines

Site	Month	PFAS Substance	Notes	
2		N/D		
3		N/D		
5		PFHxS (0.002) PFBS (0.002)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines	
8		N/D		
7		PFOS (0.007) PFHxS (0.046) PFOA (0.015) PFBS (0.048)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>below</u> current Guidelines only.	
9		PFOS (0.033) PFHxS (0.211) PFOA (0.086) PFBS (0.145)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>above</u> both current and proposed Guidelines.	
10		PFOS (0.023) PFHxS (0.157) PFOA (0.074) PFBS (0.121)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>above</u> both current and proposed Guidelines.	
1		23 January 2025	N/D	
6		PFOS (0.001) PFHxS (0.003) PFOA (0.001) PFBS (0.002)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines	
2		N/D		
3	N/D			
5	PFHxS (0.003) PFOA (0.001) PFBS (0.002)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines		
6	N/D			
8	N/D			

Site	Month	PFAS Substance	Notes
7		PFOS (0.007) PFHxS (0.039) PFOA (0.018) PFBS (0.039)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>below</u> current Guidelines only.
9		PFOS (0.061) PFHxS (0.254) PFOA (0.139) PFBS (0.175)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>above</u> both current and proposed Guidelines.
10		PFOS (0.031) PFHxS (0.163) PFOA (0.093) PFBS (0.134)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>above</u> both current and proposed Guidelines.
11		PFOS (0.051) PFHxS (0.297) PFOA (0.168) PFBS (0.22)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>above</u> both current and proposed Guidelines.
12		PFOS (0.068) PFHxS (0.234) PFOA (0.197) PFBS (0.168)	PFOA and PFBS <u>below</u> both current Australian Drinking Water Guidelines. PFOS and PFHxS <u>above</u> both current and proposed Guidelines.
13		N/D	
14		N/D	
15		PFOS (0.005)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines

Site	Month	PFAS Substance	Notes
Mangrove Creek Dam Catchment	17/12/2024	N/D	
Mooney Dam Catchment	17/12/2024	N/D	
Mangrove Creek Weir Catchment	17/12/2024	PFHxS (0.002) PFBS (0.001)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines
Wyong River	2/12/2024	N/D	

Treated Water

Site	Month	PFAS Substance	Notes
Mannering Park	20/6/2024	N/D	
Chain Valley Bay	20/6/2024	N/D	
Gwandalan	20/6/2024	N/D	
Summerland Point	20/6/2024	N/D	
Crangan Bay	20/6/2024	N/D	
Budgewoi	20/6/2024	N/D	
Magenta	20/6/2024	N/D	
Terrigal	20/6/2024	N/D	
MacMasters Beach	20/6/2024	N/D	
Somersby	20/6/2024	N/D	
Mardi	20/6/2024	PFHxS (0.001) PFOA (0.001)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines
Tuggerah	20/6/2024	N/D	
Kanwal	20/6/2024	PFOA (0.001)	Detection <u>below</u> both current and proposed Australian Drinking Water Guidelines
Woongarrah	26/9/2024	N/D	
Wyongah	26/9/2024	N/D	
Kanwal	26/9/2024	N/D	
Wyong	26/9/2024	N/D	
Mardi	26/9/2024	N/D	
Avoca Beach	26/9/2024	N/D	
Wamberal	26/9/2024	N/D	
Copacabana	26/9/2024	N/D	
MacMasters Beach	26/9/2024	N/D	
Somersby	26/9/2024	N/D	
Hamlyn Terrace	2/12/2024	N/D	
Budgewoi	2/12/2024	N/D	
Blue Haven	2/12/2024	N/D	

Lake Haven	2/12/2024	N/D	
Lisarow	2/12/2024	N/D	
Narara	2/12/2024	N/D	
Wyoming	2/12/2024	N/D	
Erina	2/12/2024	N/D	
Somersby	2/12/2024	N/D	
Mardi	2/12/2024	N/D	