WATER SENSE

TE WAI TIKANGA

Tukituki Land Care

Summary report to May 2026

DISCLAIMER

Data - The following report is intended to provide a summary of the data received form Tukituki Land Care's sampling programme and does not replace the official IANZ accredited reports in any way shape or form. In some cases, data points will be omitted to allow trending to be displayed more clearly. Please refer to the official lab reports as the primary source of information or for official reporting.

Test Information - Please note this is generalised information only about the tests and not to be used for any other purpose. Much of this information has been taken from the New Zealand Drinking Water Standards as New Zealand does not have Standards for streams, lakes, or rivers. Please treat all information with caution.

TEST INFORMATION

Escherichia Coli (E. coli) - Unlike other bacteria that comprise the total coliform group of organisms, *E. coli* is generally not found growing and reproducing in the environment. Consequently, *E. coli* is considered to be a species within the Coliform group that is the best indicator of recent faecal pollution and the potential for the presence of more dangerous disease-causing organisms (or pathogens).
*Five-year median for all sites in New Zealand: 180 n/100ml**

Nitrate and Nitrite Nitrogen (NO3 + NO2 - N) – The recommended limit in New Zealand is 11.4 mg/L for drinking water. If these limits are exceeded, excessive fertiliser use, human and/or animal waste contamination should be suspected.
*Five-year median for all sites in New Zealand is 0.027 mg/L**

Ammonia (NH4) Nitrate (NO3) and Nitrite (NO2) Nitrogen – The recommended limit in New Zealand is 11.4 mg/L for drinking water. If these limits are exceeded, excessive fertiliser use, human and/or animal waste contamination should be suspected. High Nitrogen levels in water sources can cause excess algae growth and can lower the dissolved oxygen content of the waterway creating a toxic environment for aquatic life.
*Five-year median for all sites in New Zealand is 0.29 mg/L**

Dissolved Reactive Phosphorous – this is a proportion of Total Phosphorus that can readily and immediately support plant growth. High levels of dissolved reactive phosphorous can cause an increased risk of algal bloom.
*Five-year median for all sites in New Zealand is 0.00225 mg/L**

References - Drinking Water Standards for NZ (2005, Revised 2018). Guidelines for Drinking Water Quality (WHO; 4th Edition (2011) and www.lawa.org.nz*

Tukipo White Wetland
May 2026

Metric Name	Value Ave Pre-Wetland excl Jan'21	Value Ave Post-Wetland	Value Latest
Ammonia as N			
Tukipo Trib White Wetland Inflow	0.022	0.009	0.014
Tukipo Trib White Wetland Outflow	0.014	0.009	< 0.005
Dissolved Reactive Phosphorus			
Tukipo Trib White Wetland Inflow	0.006	0.009	0.008
Tukipo Trib White Wetland Outflow	0.008	0.002	0.002
E. coli			
Tukipo Trib White Wetland Inflow	3,440.000	1,040.375	220.000
Tukipo Trib White Wetland Outflow	930.000	490.188	8.000
Nitrate-N			
Tukipo Trib White Wetland Inflow	3.053	1.145	2.450
Tukipo Trib White Wetland Outflow	2.727	0.403	0.907
Nitrite-N			
Tukipo Trib White Wetland Inflow	0.017	0.003	0.001
Tukipo Trib White Wetland Outflow	0.007	0.009	0.001
Total Oxidised Nitrogen (NO2N + NO3N)			
Tukipo Trib White Wetland Inflow	3.055	1.148	2.450
Tukipo Trib White Wetland Outflow	2.758	0.406	0.909

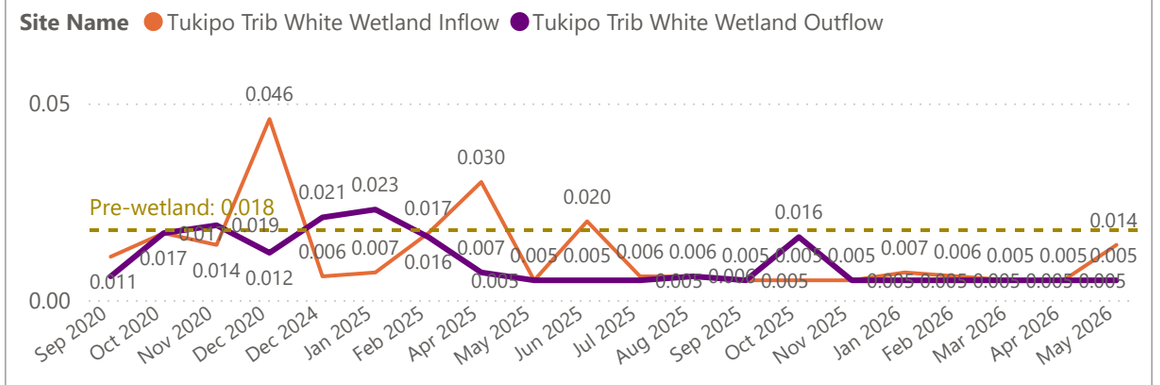
Site Name	Latest Sample DateTime
Tukipo Trib White Wetland Inflow	26/05/2026 10:03:00 a.m.
Tukipo Trib White Wetland Outflow	26/05/2026 9:58:00 a.m.

Tukipo White Wetland Inflow May 2026

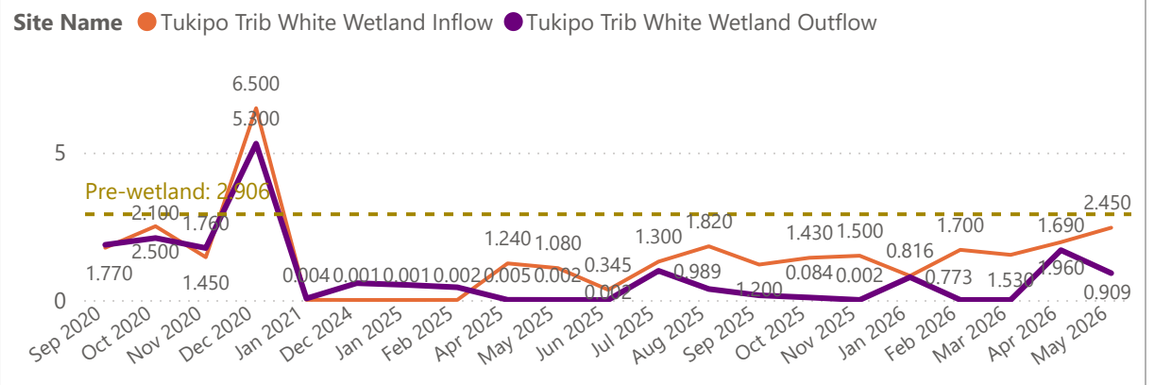
Tukipo White Wetland Outflow May 2026

Tukipo White Wetland pre & post Trends

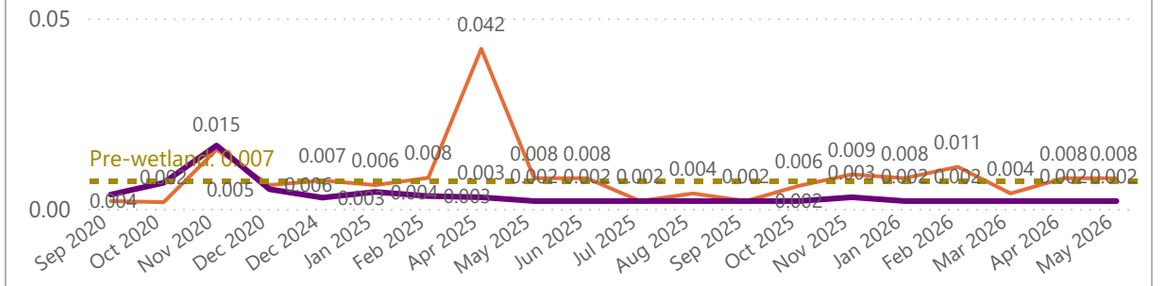
Ammonia as N



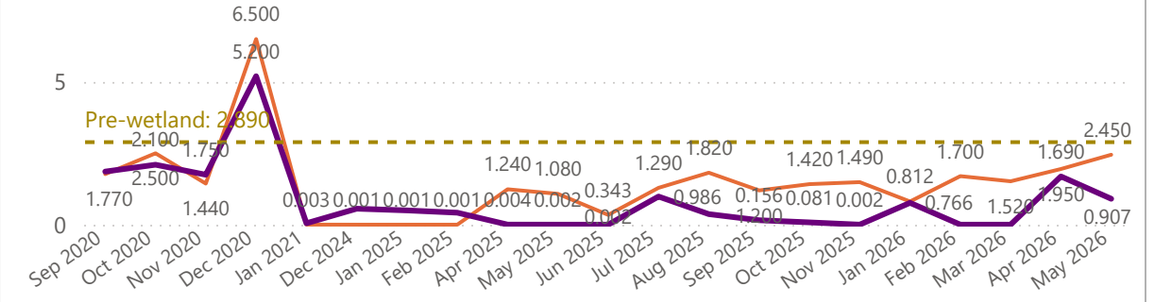
Total Oxidised Nitrogen (NO2N + NO3N)



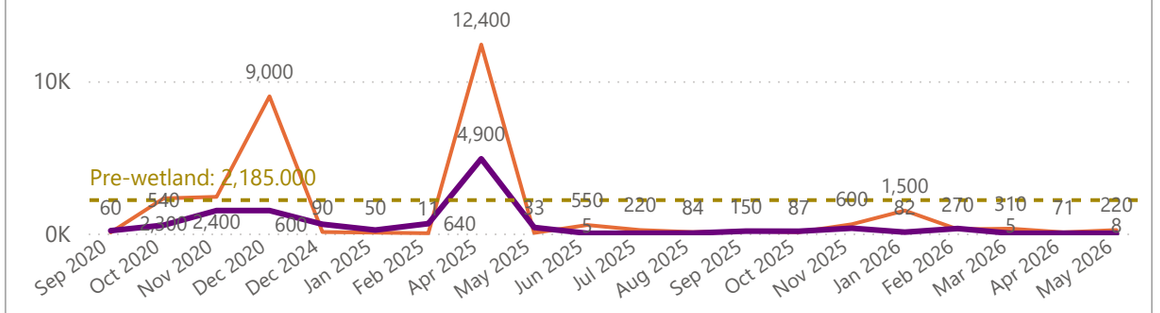
Dissolved Reactive Phosphorus



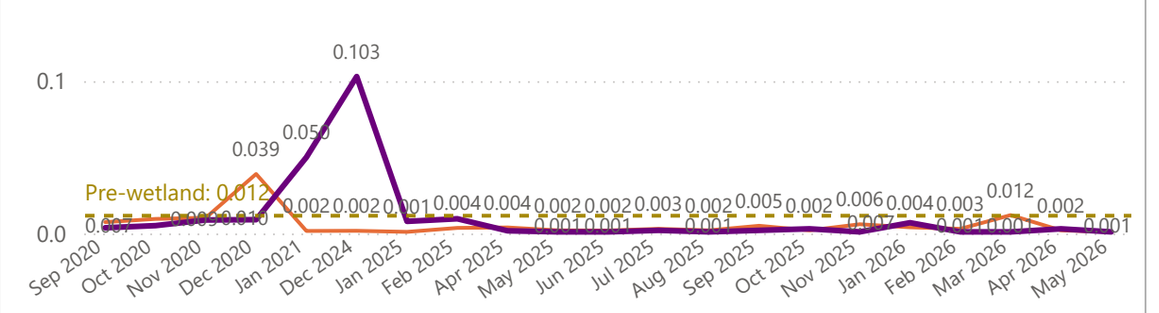
Nitrate-N



E. coli



Nitrite-N

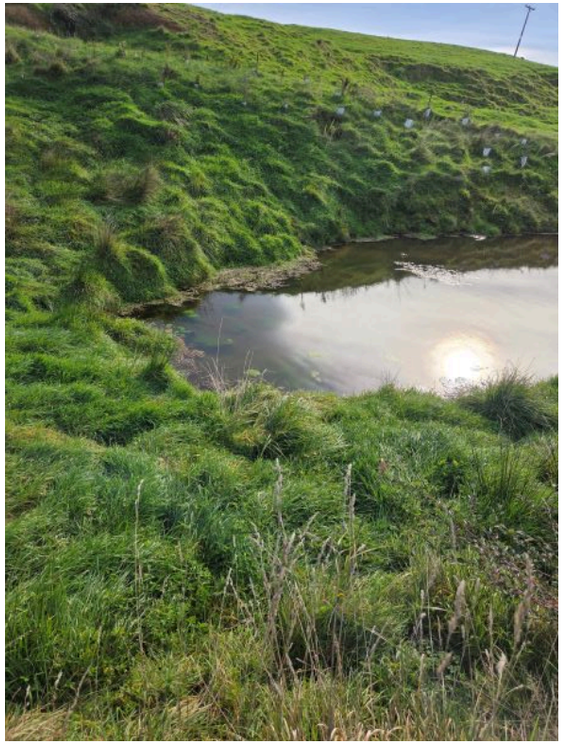


Severinsen Road Wetland
May 2026

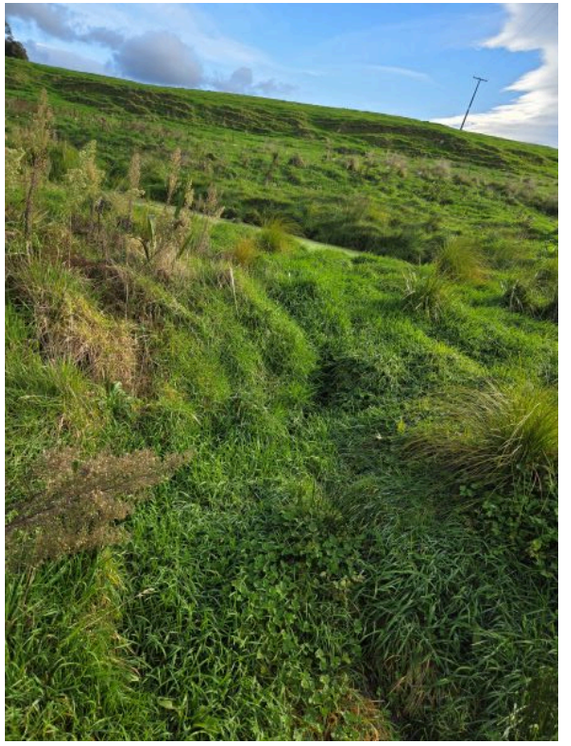
Metric Name	Value Ave Post-Wetland	Value Latest
Ammonia as N		
Severinsen Road Wetland Inflow	0.011	< 0.005
Severinsen Road Wetland Outflow	0.021	0.011
Dissolved Reactive Phosphorus		
Severinsen Road Wetland Inflow	0.008	0.012
Severinsen Road Wetland Outflow	0.022	0.031
E. coli		
Severinsen Road Wetland Inflow	72.667	11.000
Severinsen Road Wetland Outflow	1,127.750	50.000
Nitrate-N		
Severinsen Road Wetland Inflow	0.008	0.044
Severinsen Road Wetland Outflow	0.008	0.014
Nitrite-N		
Severinsen Road Wetland Inflow	0.002	0.001
Severinsen Road Wetland Outflow	0.002	0.003
Total Oxidised Nitrogen (NO2N + NO3N)		
Severinsen Road Wetland Inflow	0.009	0.045
Severinsen Road Wetland Outflow	0.008	0.017

Site Name	Latest Sample DateTime
Severinsen Road Wetland Inflow	26/05/2026 10:26:00 a.m.
Severinsen Road Wetland Outflow	26/05/2026 10:28:00 a.m.

Severinsen Road Wetland Inflow May 2026

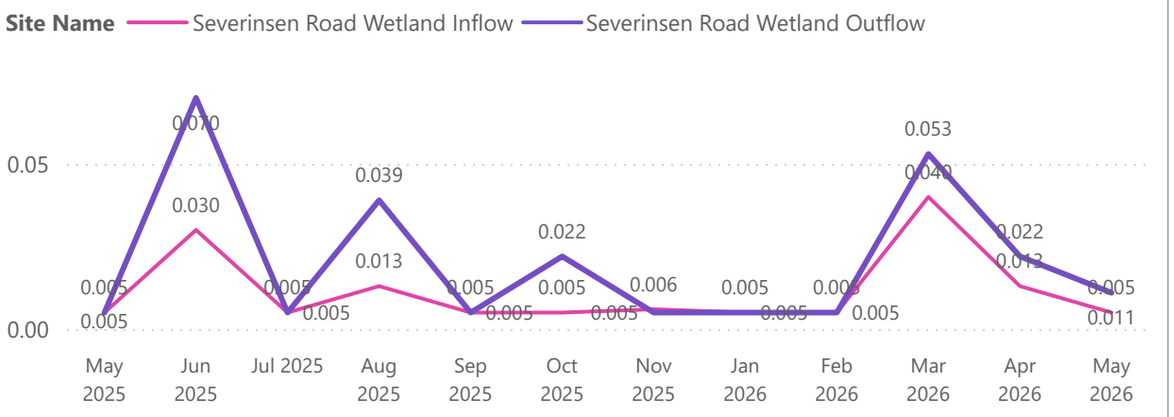


Severinsen Road Wetland Outflow May 2026

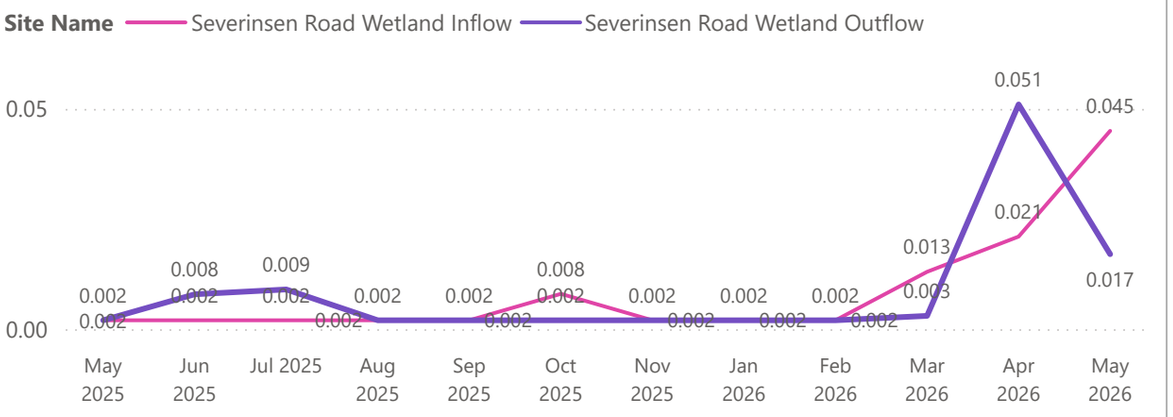


Serverinsen Latest Trends

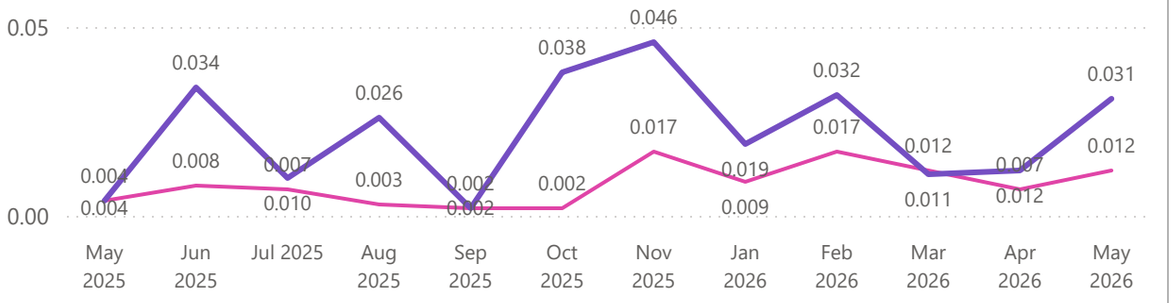
Ammonia as N



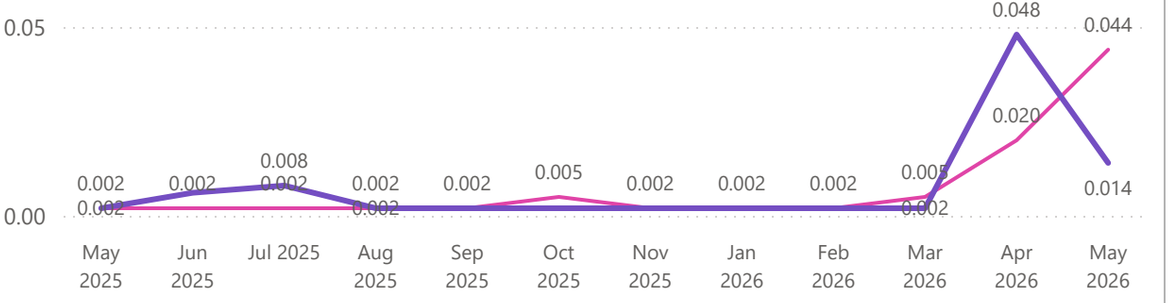
Total Oxidised Nitrogen (NO2N + NO3N)



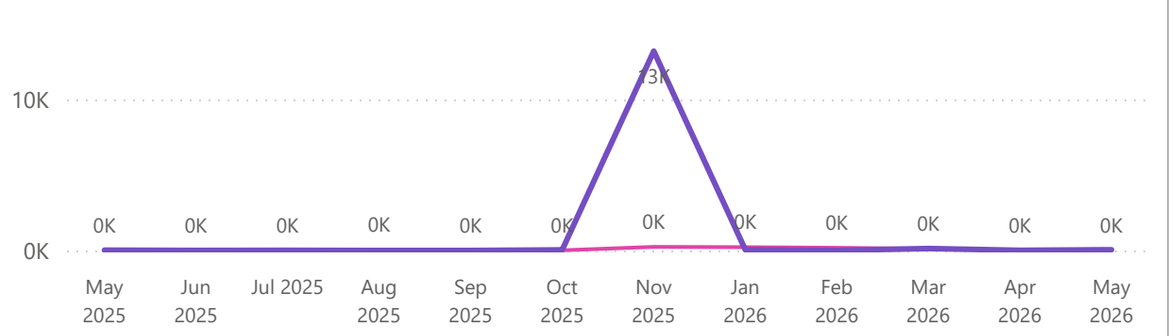
Dissolved Reactive Phosphorus



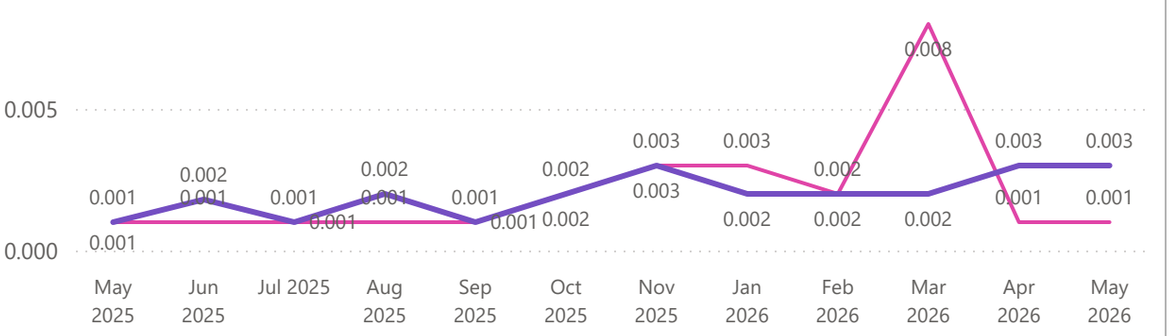
Nitrate-N



E. coli



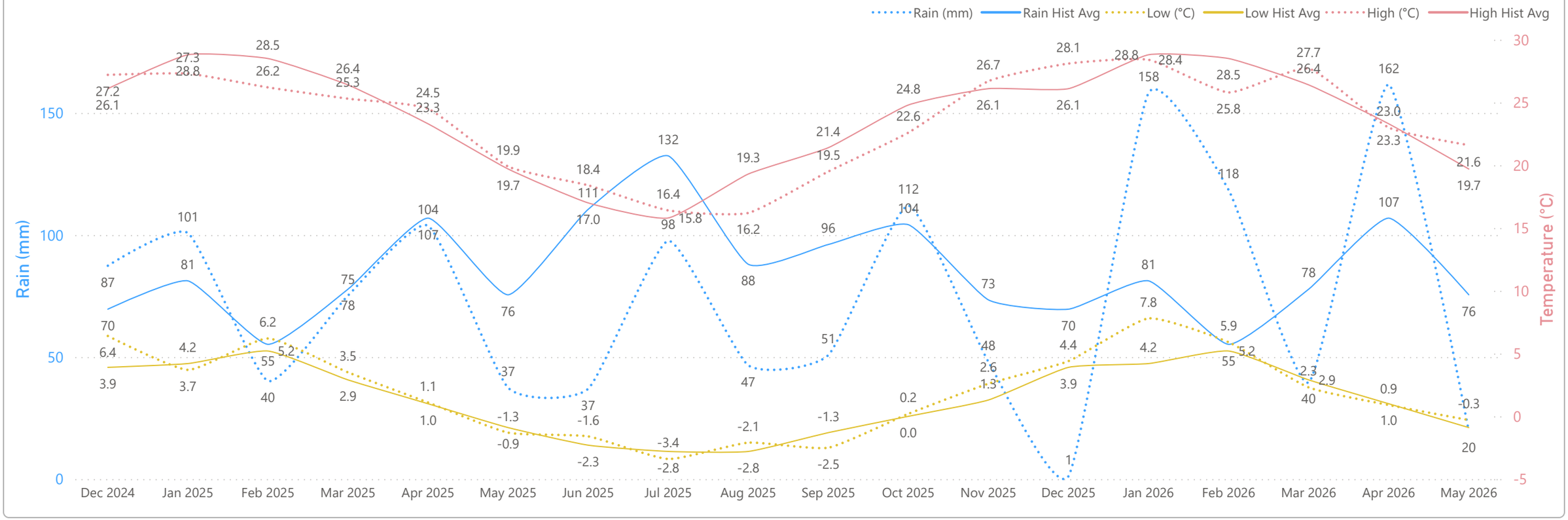
Nitrite-N



Weather Data

Weather Trends

Monthly total mm rain and average high & low temperatures vs historical averages



Weather Data

	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Jan 2026	Feb 2026	Mar 2026	Apr 2026	May 2026
High (°C)	27.20	27.30	26.20	25.30	24.50	19.90	18.40	16.40	16.20	19.50	22.60	26.70	28.10	28.40	25.80	27.70	23.00	21.60
High (°C) Hist Avg	26.10	28.80	28.50	26.40	23.30	19.70	17.00	15.80	19.30	21.40	24.80	26.10	26.10	28.80	28.50	26.40	23.30	19.70
Low (°C)	6.40	3.70	6.20	3.50	1.10	-1.30	-1.60	-3.40	-2.10	-2.50	0.20	2.60	4.40	7.80	5.90	2.30	0.90	-0.30
Low (°C) Hist Avg	3.90	4.20	5.20	2.90	1.00	-0.90	-2.30	-2.80	-2.80	-1.30	0.00	1.30	3.90	4.20	5.20	2.90	1.00	-0.90
Rain (mm)	87.40	100.80	40.20	75.20	103.80	37.40	37.00	97.60	46.60	50.80	112.00	48.00	1.20	158.20	118.40	39.60	161.60	19.60
Rain (mm) Hist Avg	69.60	81.20	55.20	77.80	106.90	75.50	110.50	132.40	88.00	96.10	104.20	73.40	69.60	81.20	55.20	77.80	106.90	75.50