

1. This attachment provides a summary of the Shotover Wastewater Treatment Plant's performance as monitored over the last circa 12 months since the second MLE and clarifier were commissioned.
2. A review of the past 12 months of monitoring data, following the commissioning of the second MLE reactor and clarifier, demonstrates significant improvements in treated wastewater quality, particularly with respect to nutrient removal. This is evident in the consistently reduced concentrations of Total Ammoniacal Nitrogen (TAN), Total Nitrogen (TN), and Total Phosphorus (TP). The MLE upgrade was originally designed to achieve average discharge concentrations of 10 mg/L TN and 8 mg/L TP, based on the previous land-based discharge consent requirements and which it is now consistently achieving.
3. Current treated wastewater quality is consistently within these limits and compares favourably with wastewater treatment plants of a similar size across New Zealand. Figures 1, 2, and 3 below illustrate the sustained and reliable treatment performance achieved since completion of the Stage 3 SWWTP upgrade in 2025. While TP concentrations appear to exhibit a seasonal trend, further monitoring through the 2026/27 summer period is expected to confirm this pattern and help inform any future seasonal optimisation of the proposed chemical dosing to manage elevated phosphorus levels.

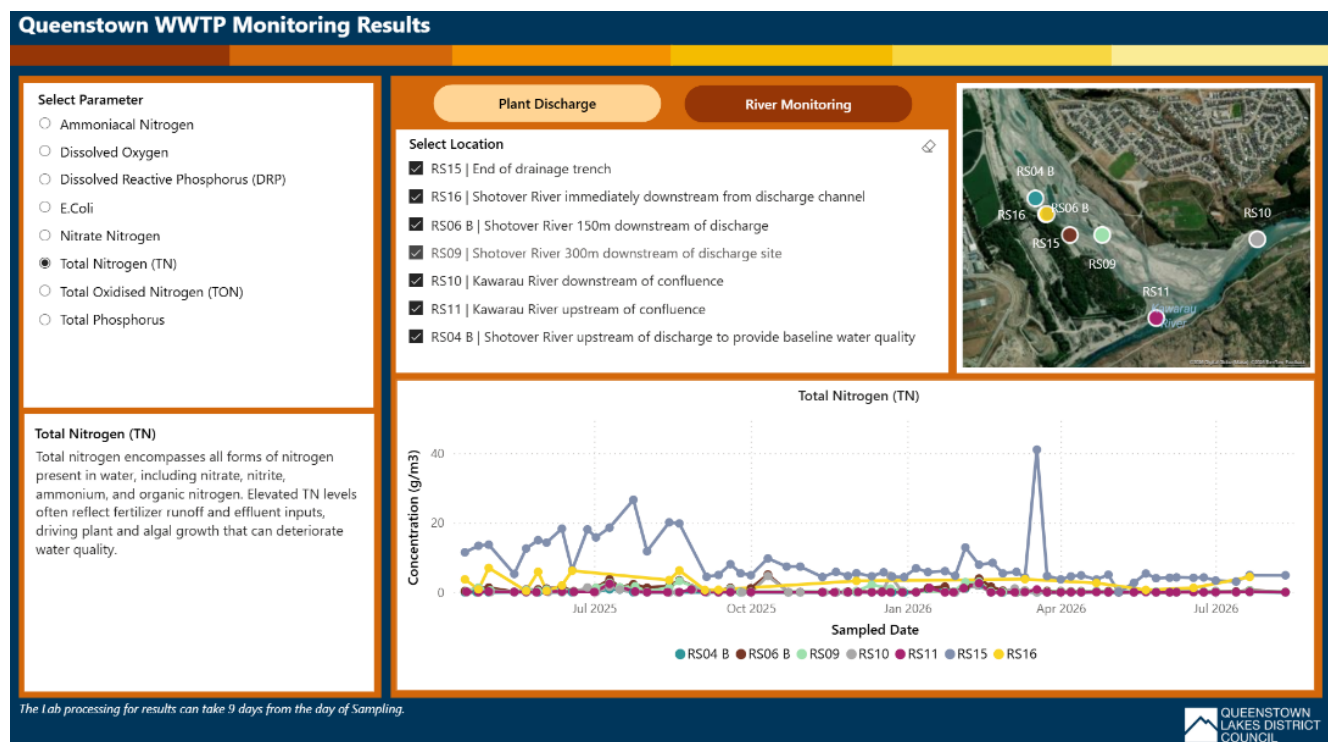


Figure 1: Total Nitrogen (TN) monitoring results over the past 12 months.

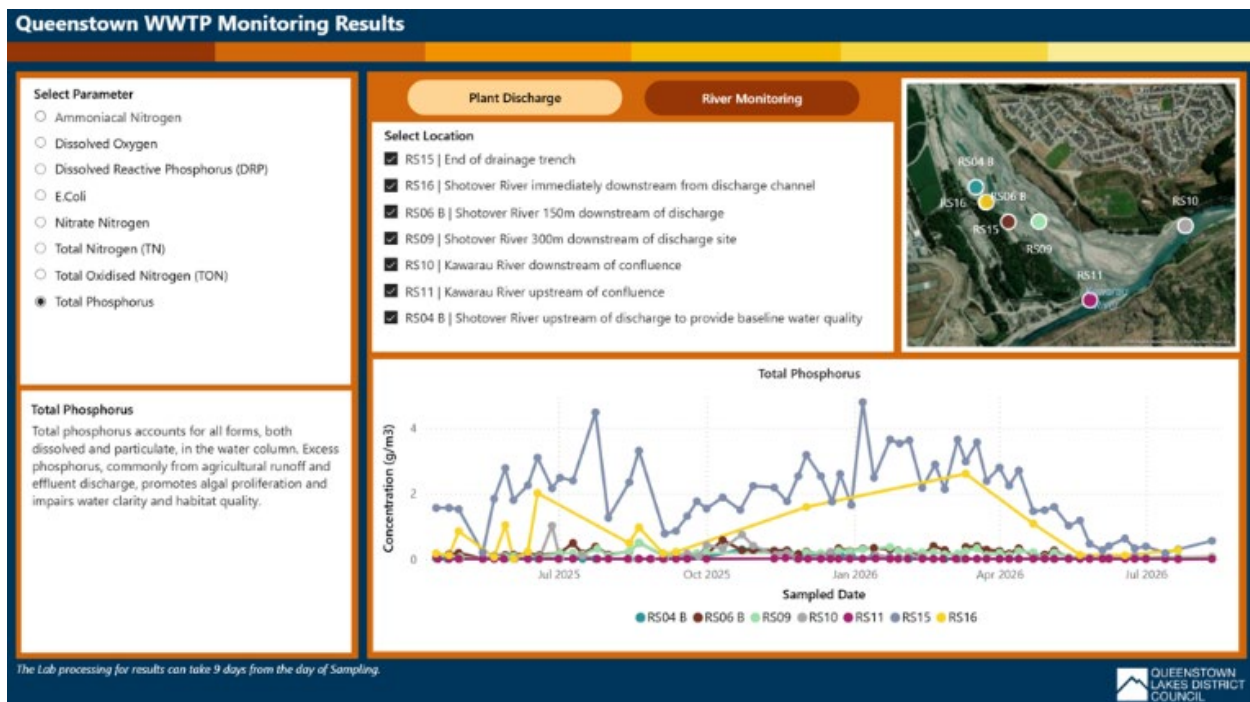


Figure 2: Total Phosphorus (TP) monitoring results over the past 12 months.

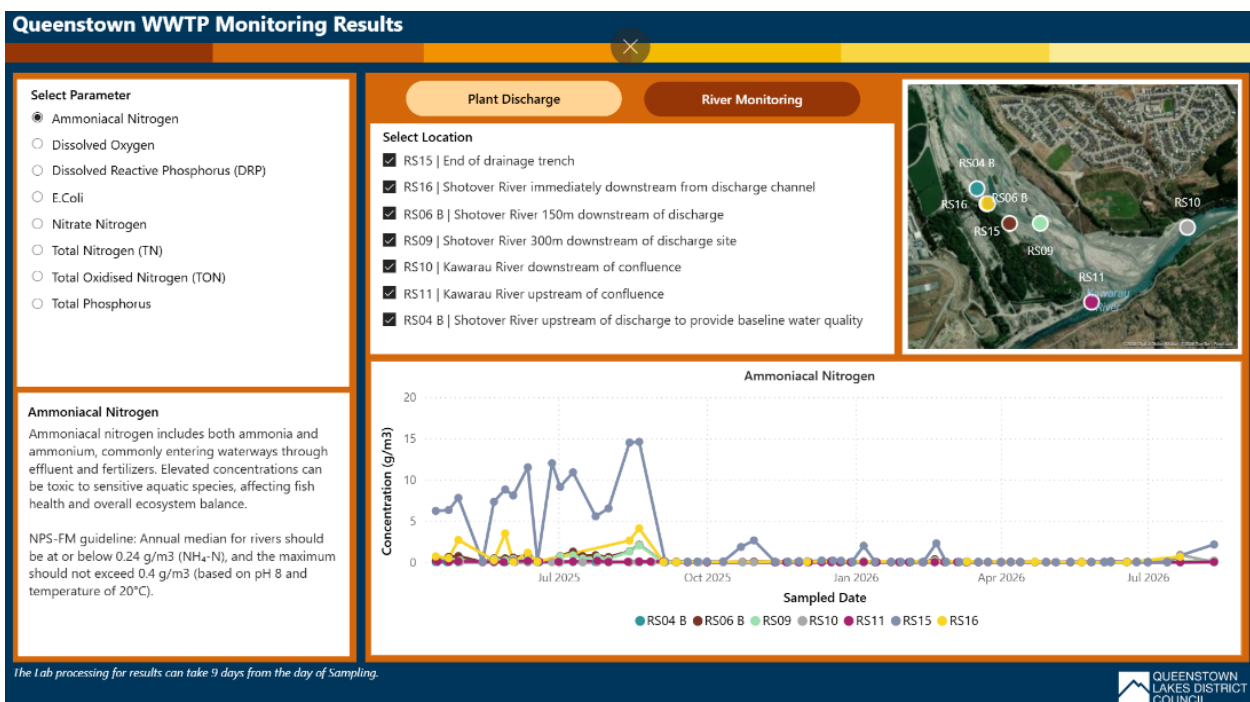


Figure 3: Total Ammoniacal Nitrogen (TAN) monitoring results over the past 12 months.