

# Alum plant update

September 2014

# Dec 12 to current – dosing rate and P concentrations Rotorua

Fixed rate dosing starts



Protocol starts



Puarenga breakdown



Rate reduction (150 to 120 l/h)



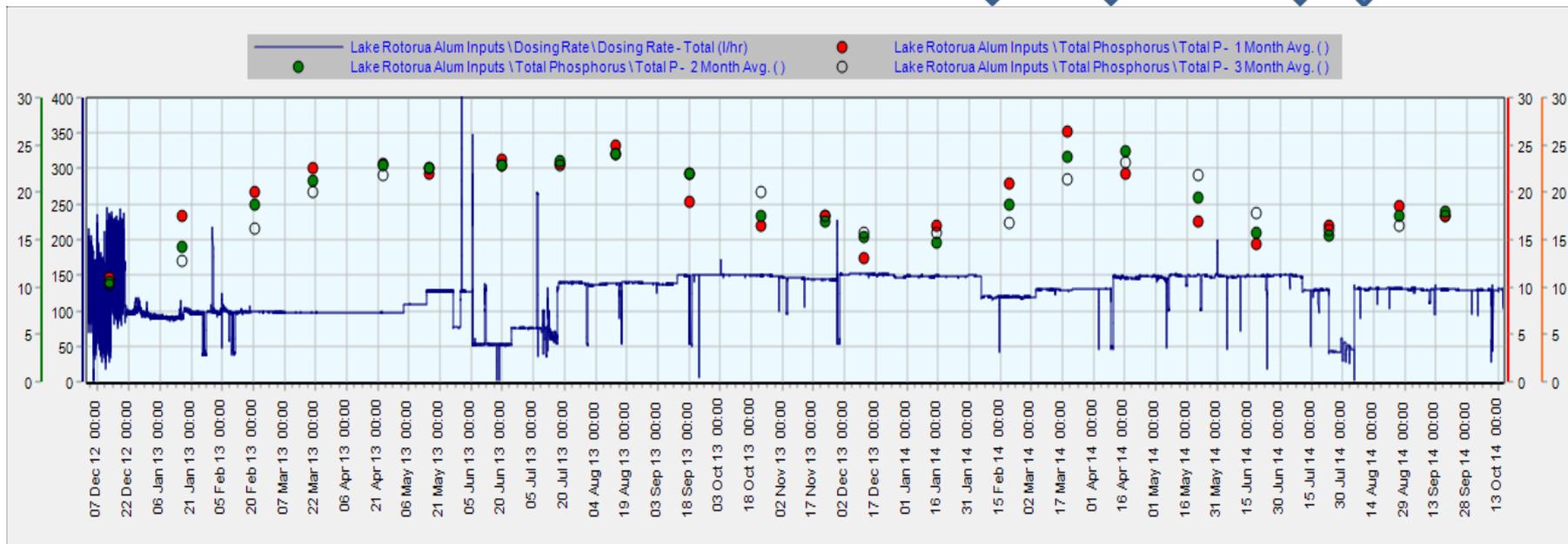
Rate increase (120 to 150 l/h)



Rate reduction (150 to 130 l/h)



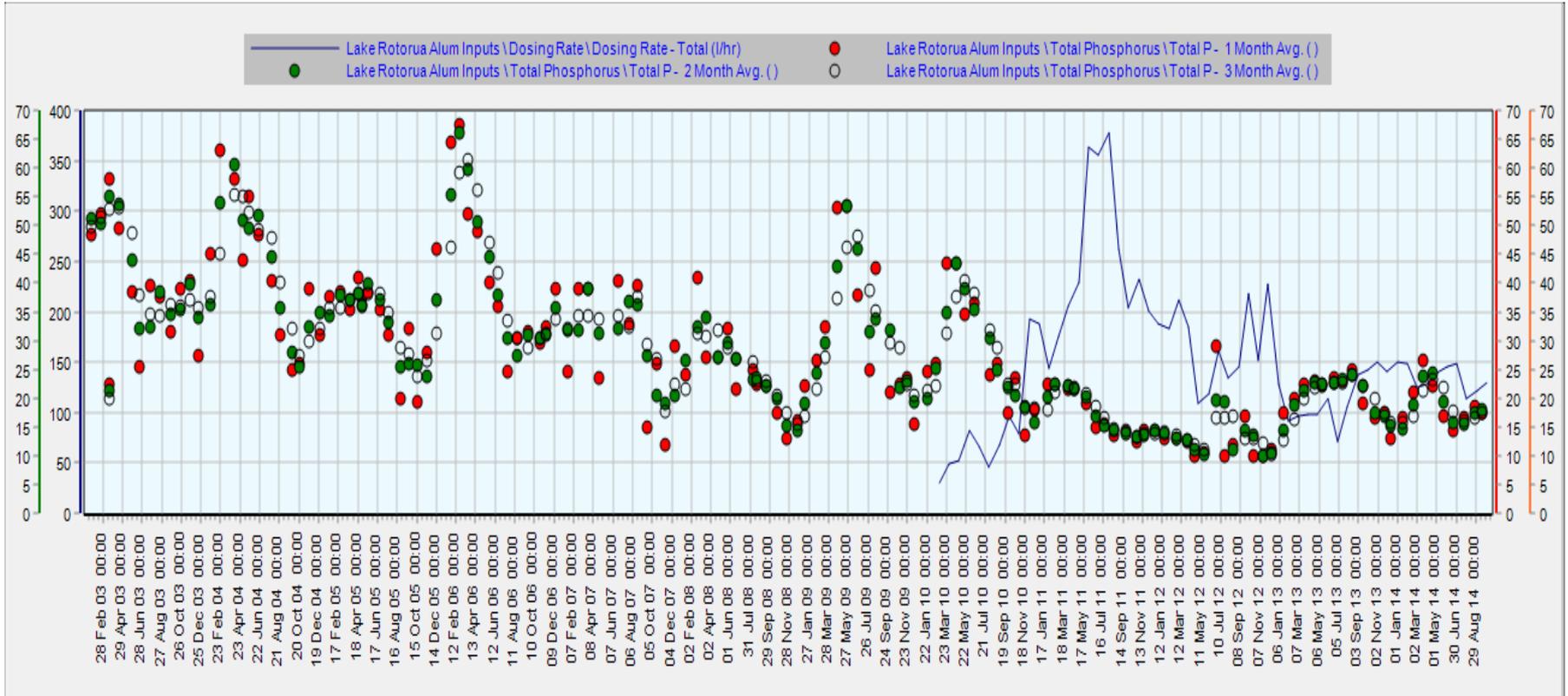
Puarenga breakdown



# Historical TP levels

Utuhina dosing starts

Puarenga dosing starts



# Jan 13 to current- Rotoehu P concentrations

Dosing rate has increased from 40 l/h to 45 l/h in September as per trigger protocol. Stream flow cannot support higher dose rate.

Dosing rate increased to 35 l/h then to 40 l/h

Dosing rate 45 l/h

