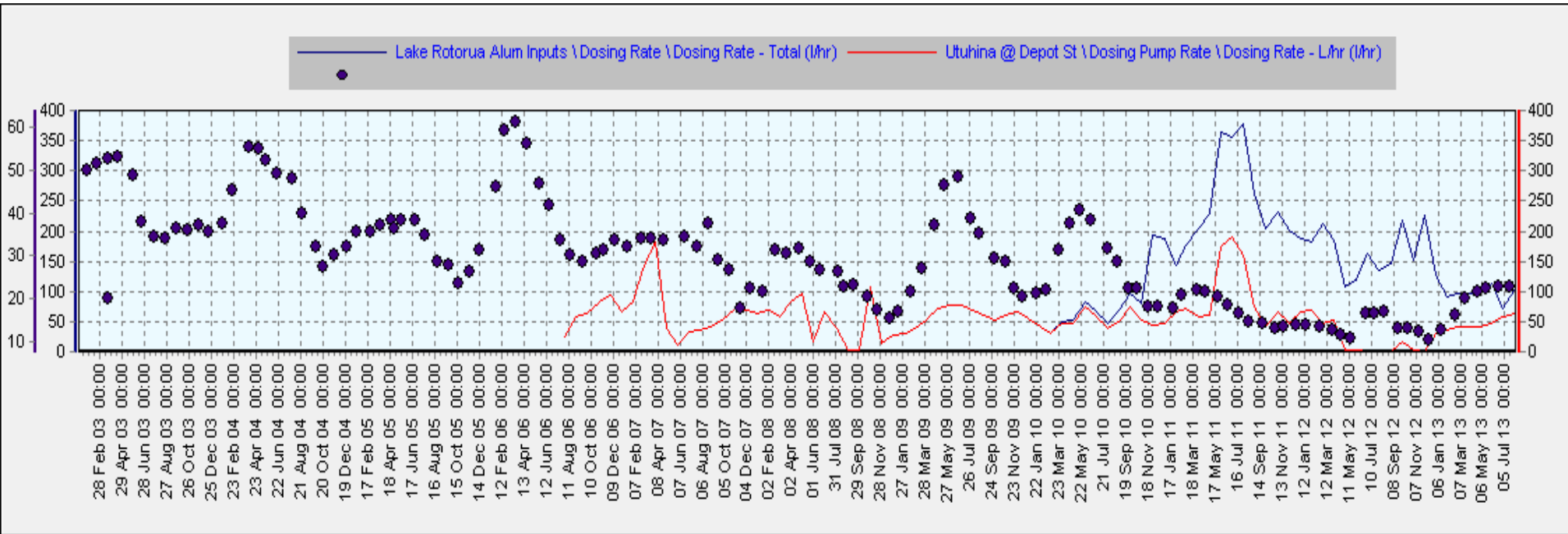


# Rotorua alum dosing update

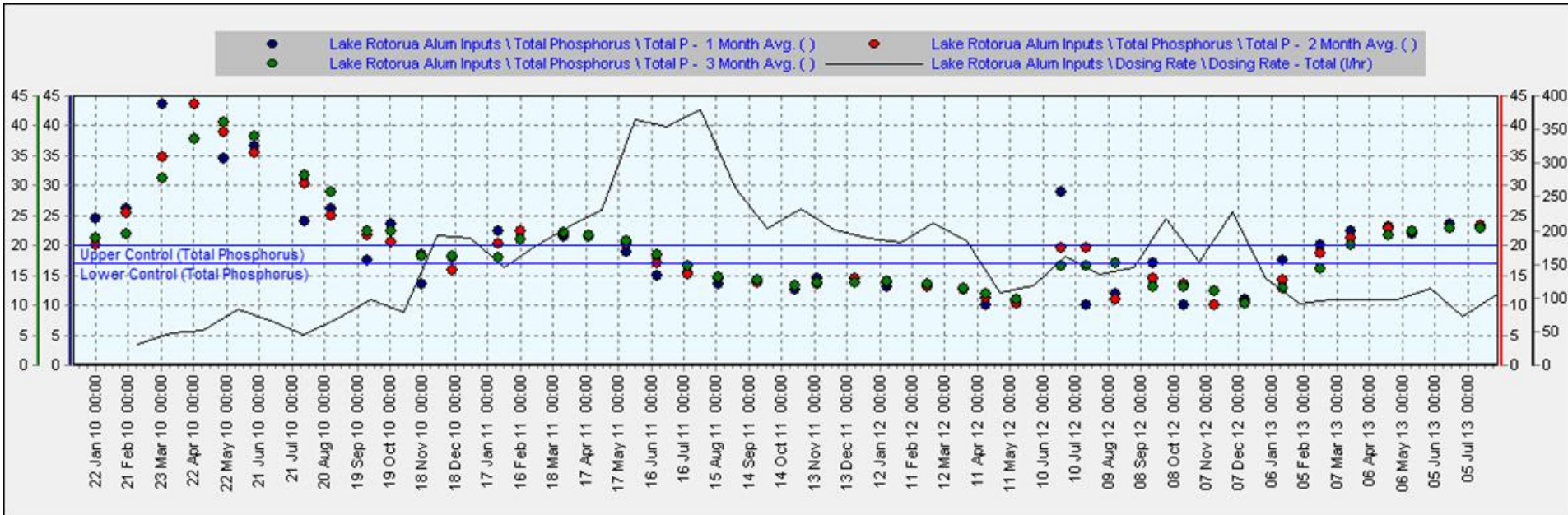
2/8/2013

# Total alum dose compared to lake P concentration



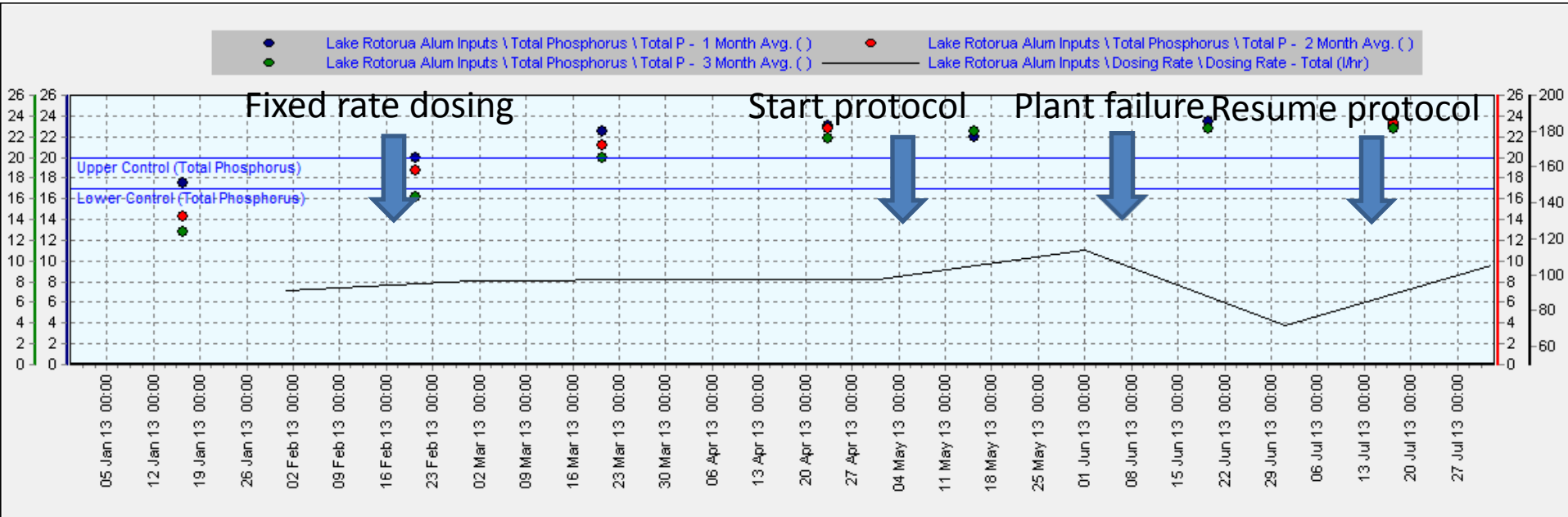
- Lake P 3 month rolling average
- Utuhina dosing rate (red)
- Utuhina and Puarenga combined (blue)

# Total alum dose compared to lake P concentration



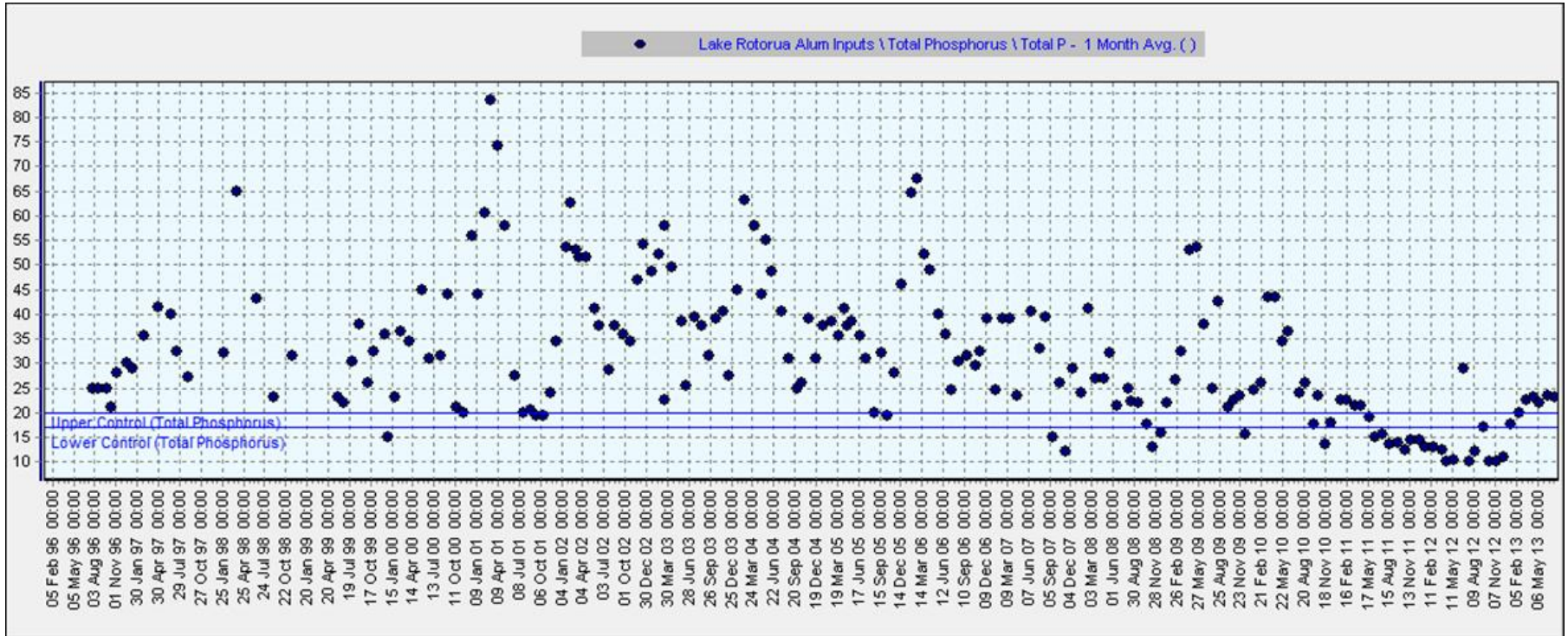
- Total alum dosing rate averaged monthly (lt/hr)
- 1, 2 and 3 month rolling averages total P (mg/m<sup>3</sup>)
- 1/1/2010 – 1/8/2013

# Last 8 months



- Total alum dosing rate averaged monthly (lt/hr)
- 1, 2 and 3 month rolling averages total P (mg/m<sup>3</sup>)
- 1/1/2013 – 1/8/2013

# Lake Rotorua total P concentration



- Monthly total P (mg/m<sup>3</sup>)-sites 2 and 5 averaged
- 1/1/1996 – 1/8/2013



# 1, 2 and 3 month rolling averages



- 1/1/10 – 1/8/2013