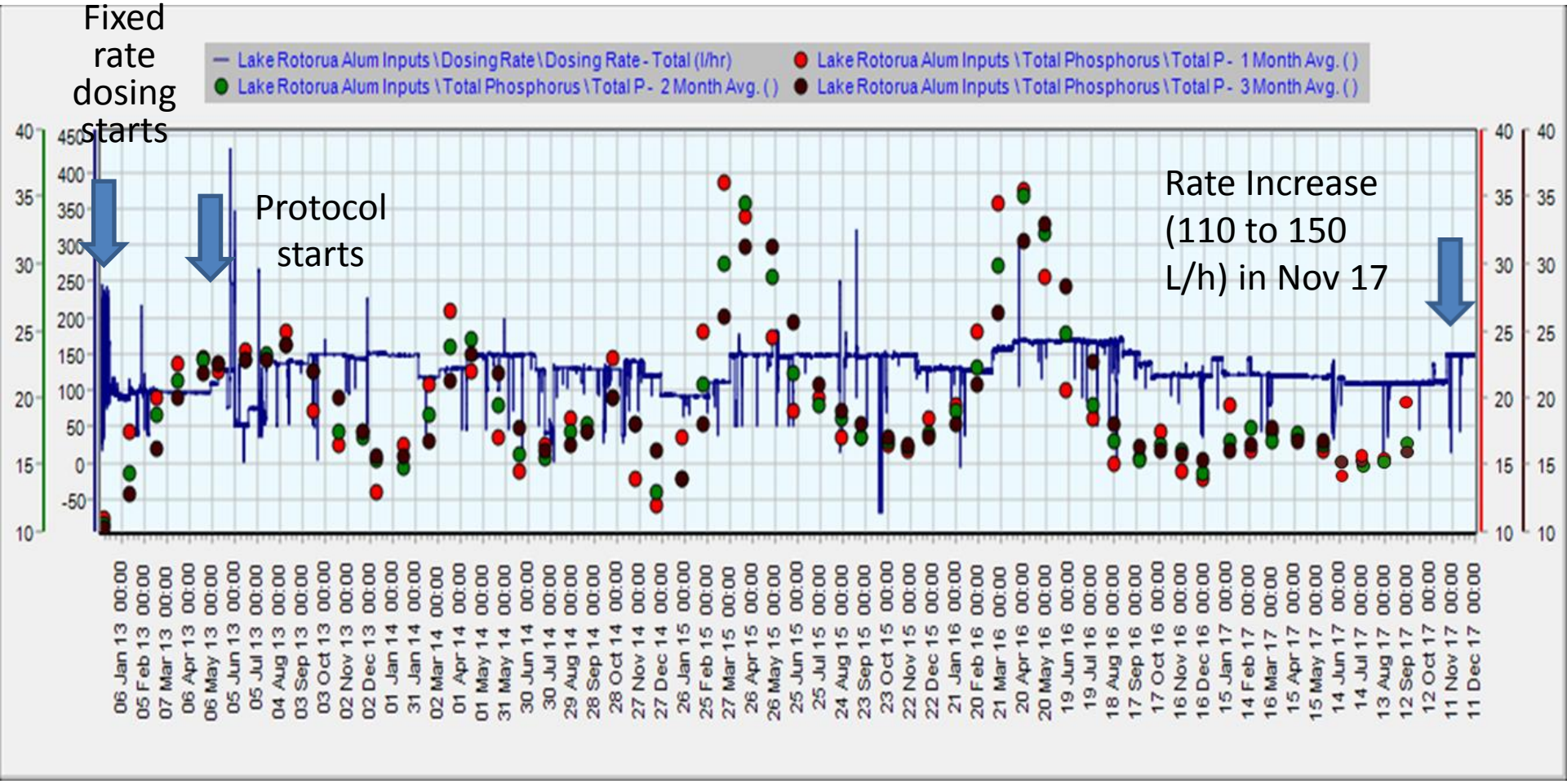
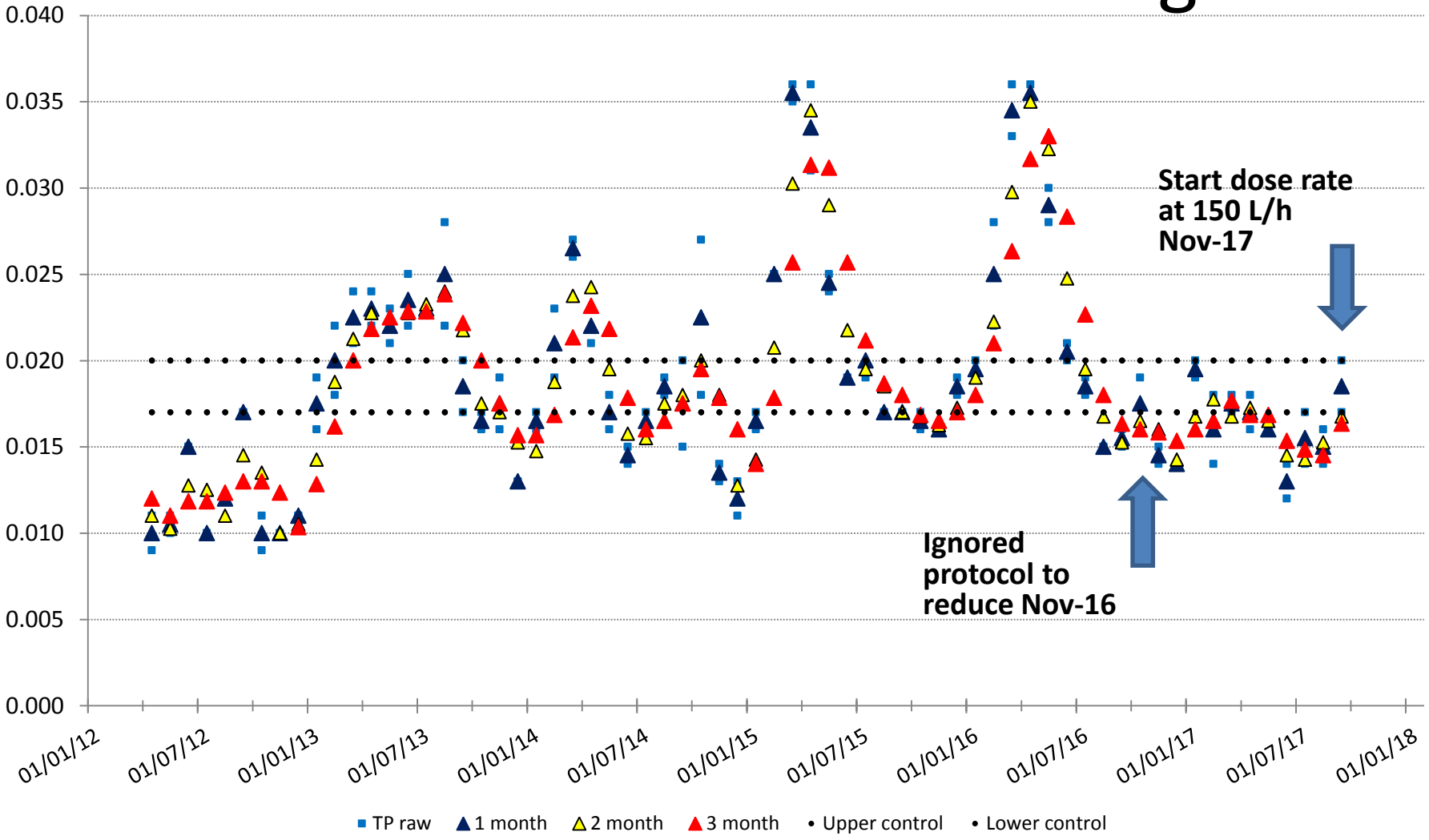
Alum Plant Update

December 2017

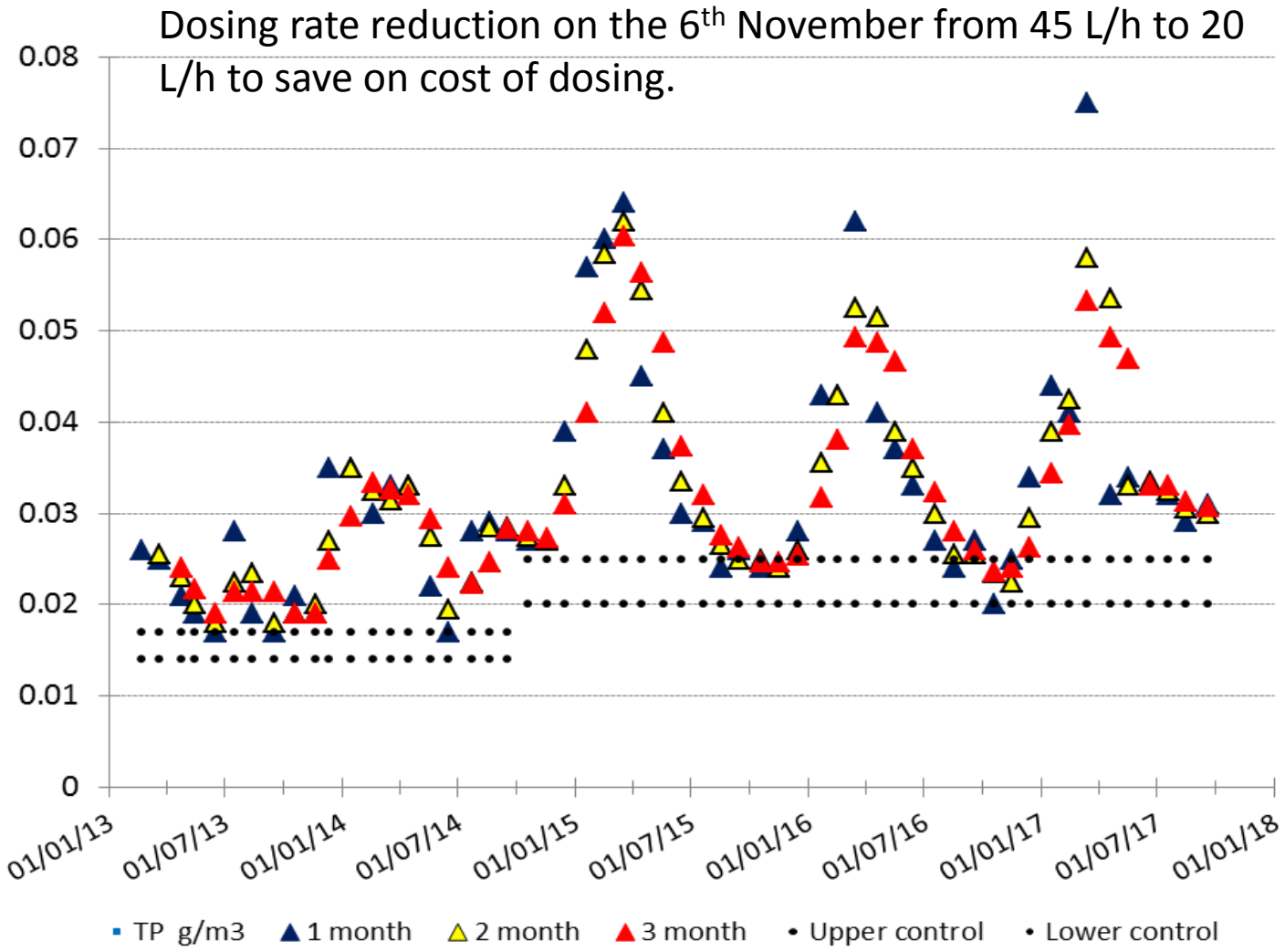
Dec 12 to current – dosing rate and TP concentrations Lake Rotorua



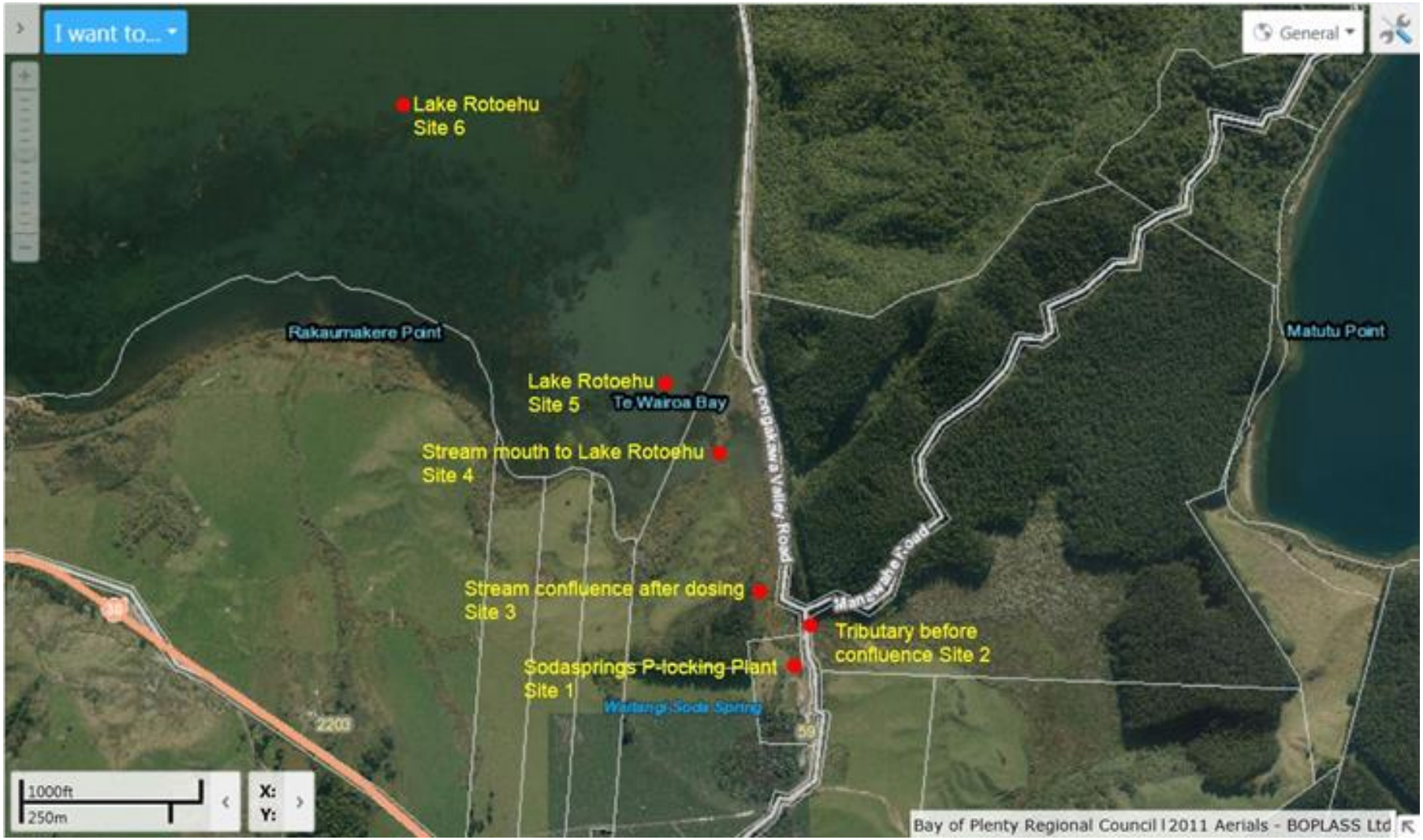
April 12 to current- Rotorua P concentrations vs control target



Feb 13 to current- Rotoehu P concentrations vs control target

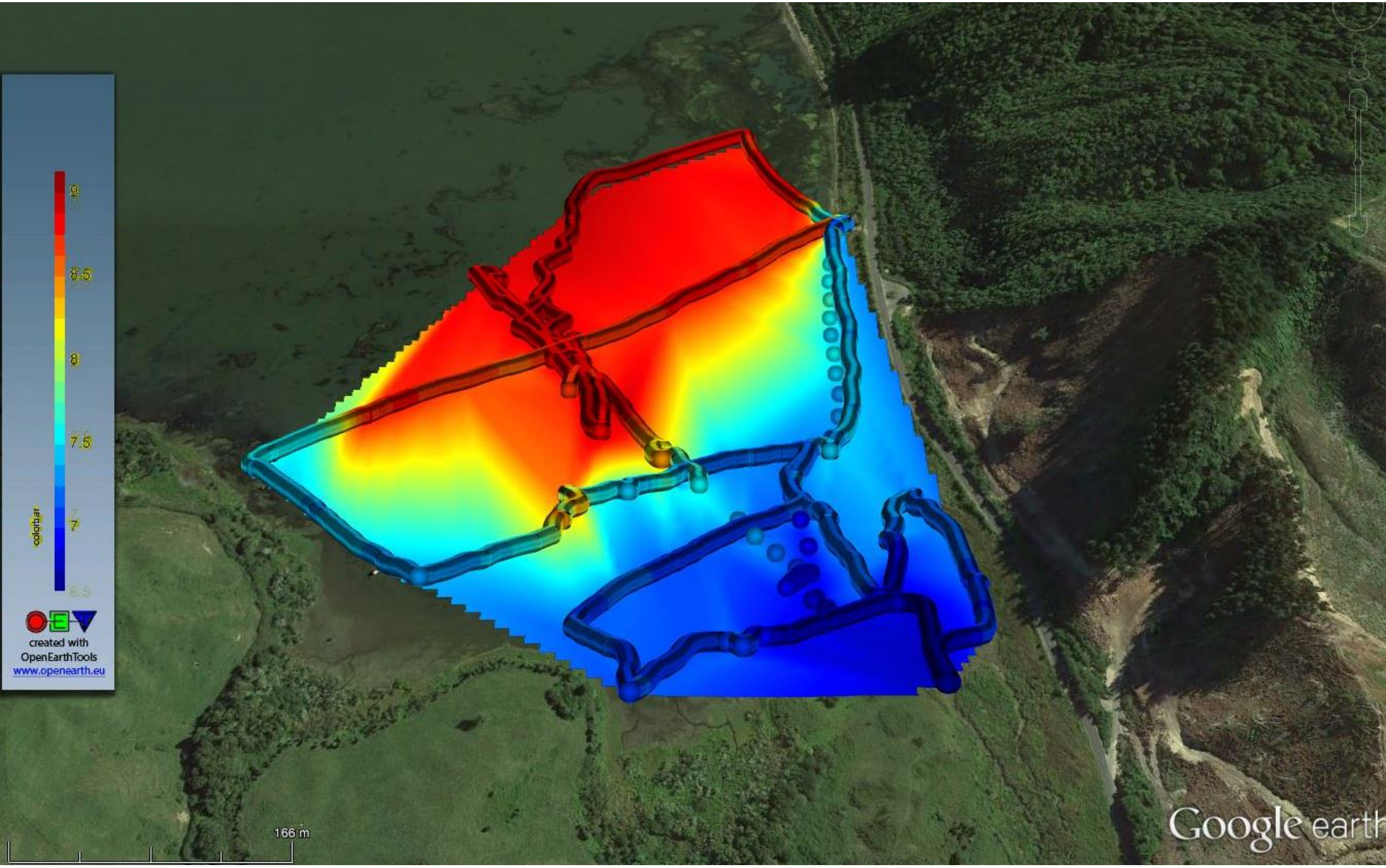


Understanding pH Driver and Complexities



- Week of continuous monitoring of pH at site 4 Lake Rotoehu (2-8th Feb 17) (Paul Scholes)
- Area shallow 0.7m with thick unconsolidated sediment (0.8m).
- At end of monitoring equipment had hornwort and Iron oxide covering it.
- pH ranged from 9.1 to 12.7 with a mean of 11.5 over the week of installation.

- Chris Eager (UoW Masters Student) is approaching completion of his study regarding the alum dispersal in this area.
- Using DGT moorings and CTD logging using Kayak.
- Generally site 4 values were around pH 6 – 7
- Into April weed beds very mobile dependent on wind speed and direction.
- To shallow to harvest, turbidity makes Diquat ineffective for spraying.



Credit: Chris Eager