

Presentation to the PC7 Hearing Panel

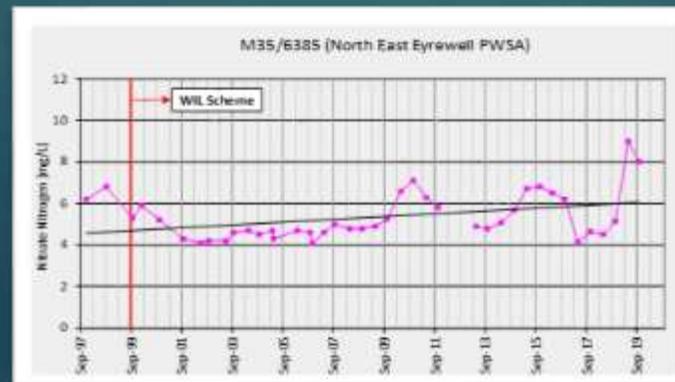
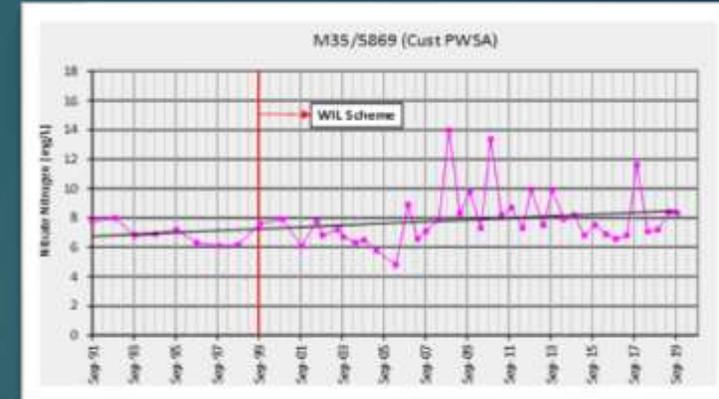
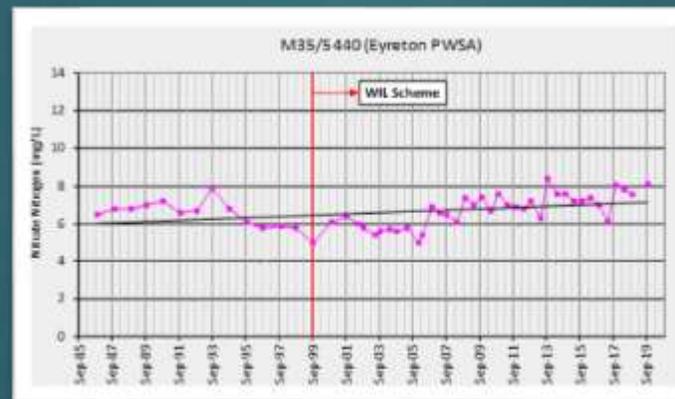
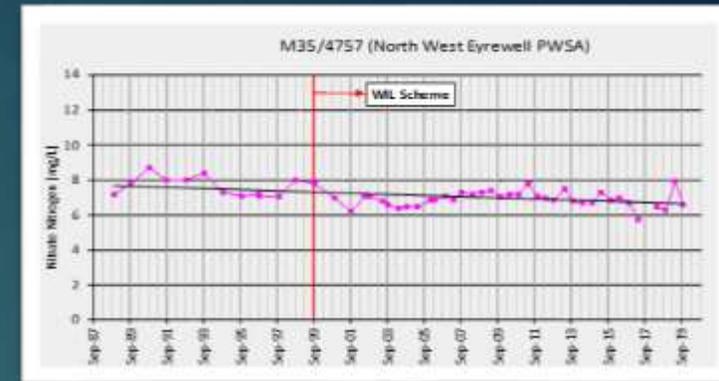
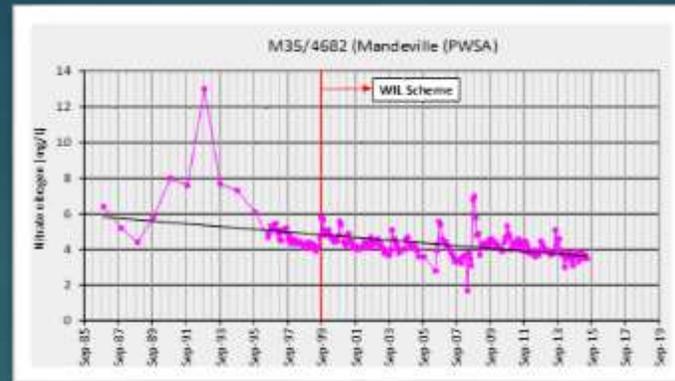
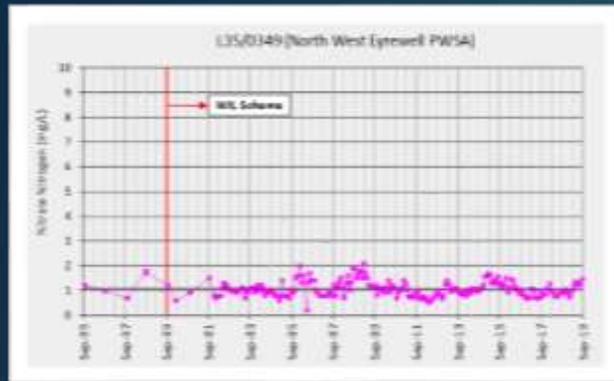
NEIL THOMAS, GROUNDWATER SCIENTIST ON BEHALF OF WAIMAKARIRI IRRIGATION
LIMITED



solutions for your environment

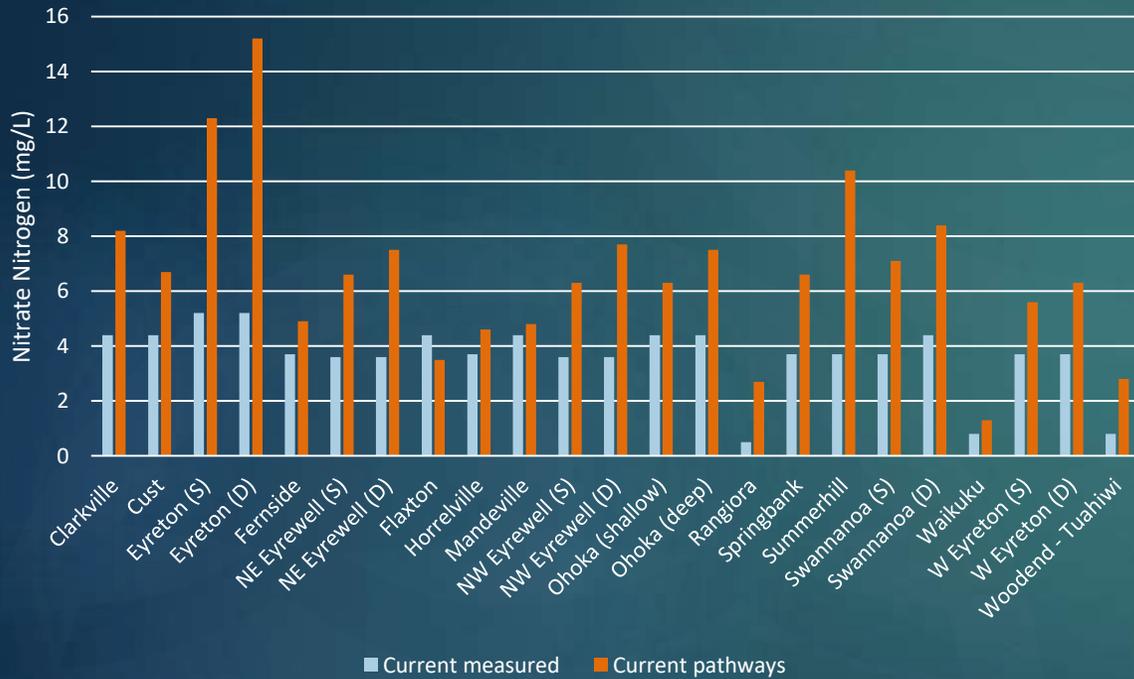


Monitored nitrate concentrations in groundwater

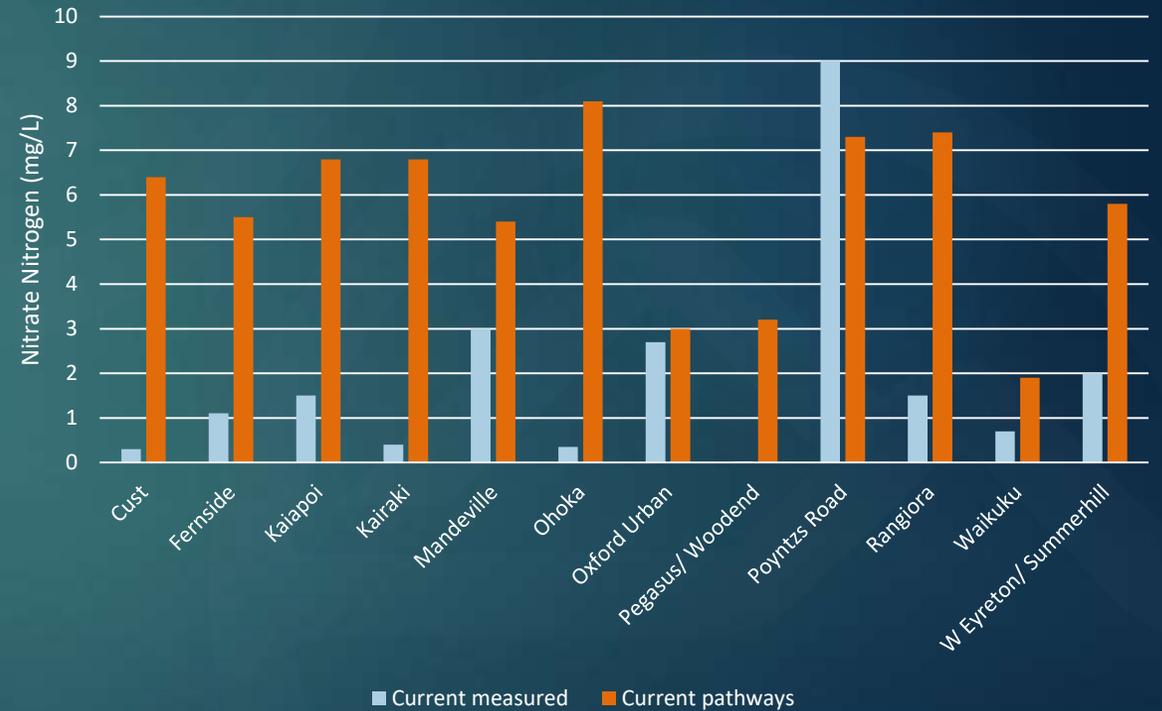


Observed and modelled nitrate concentrations (Private water supply areas and Public water supply areas)

Nitrate Modelling Results for PWSAs



Nitrate Modelling Results for WDC Drinking Water Supply Wells



Observed and monitored nitrate concentrations (from Kreleger and Etheridge, 2019, Figure 3-11)

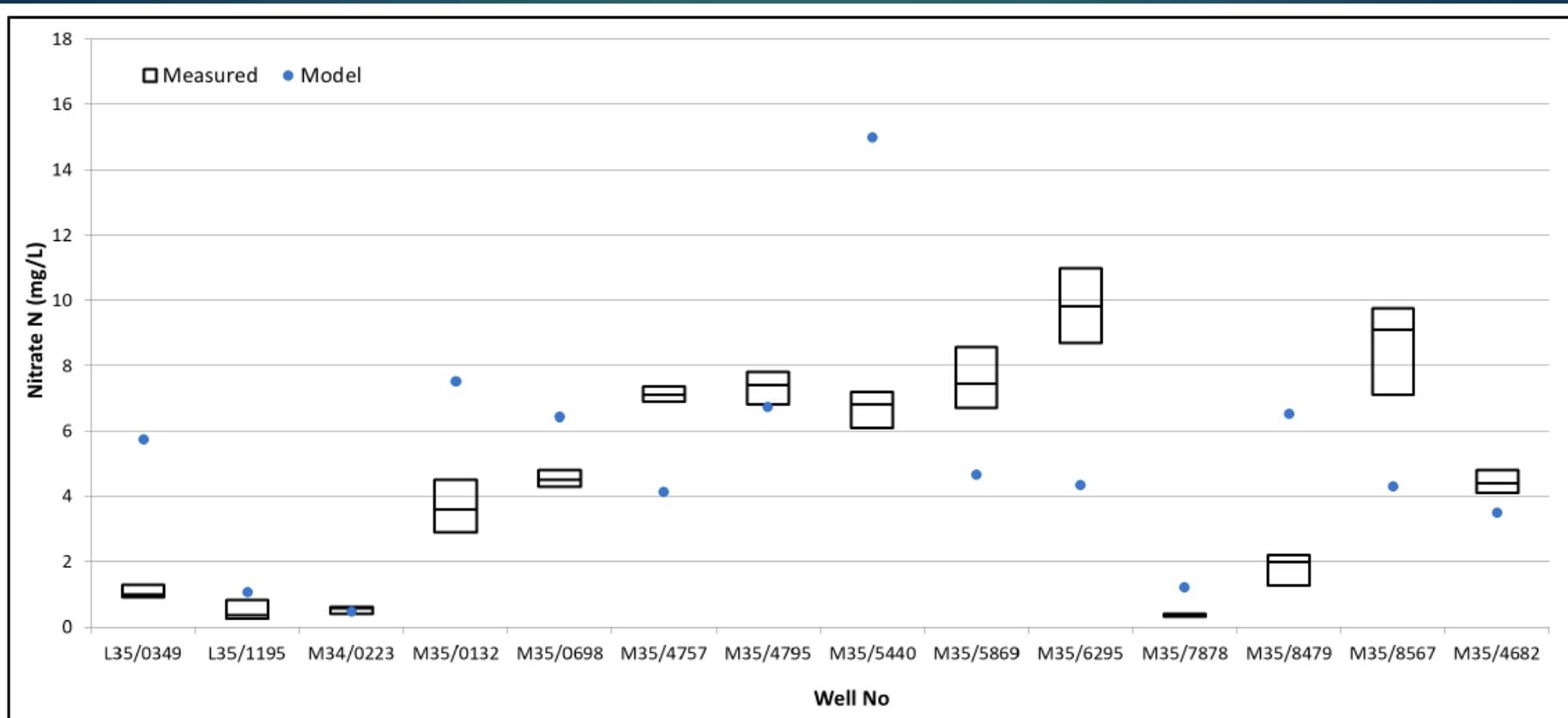
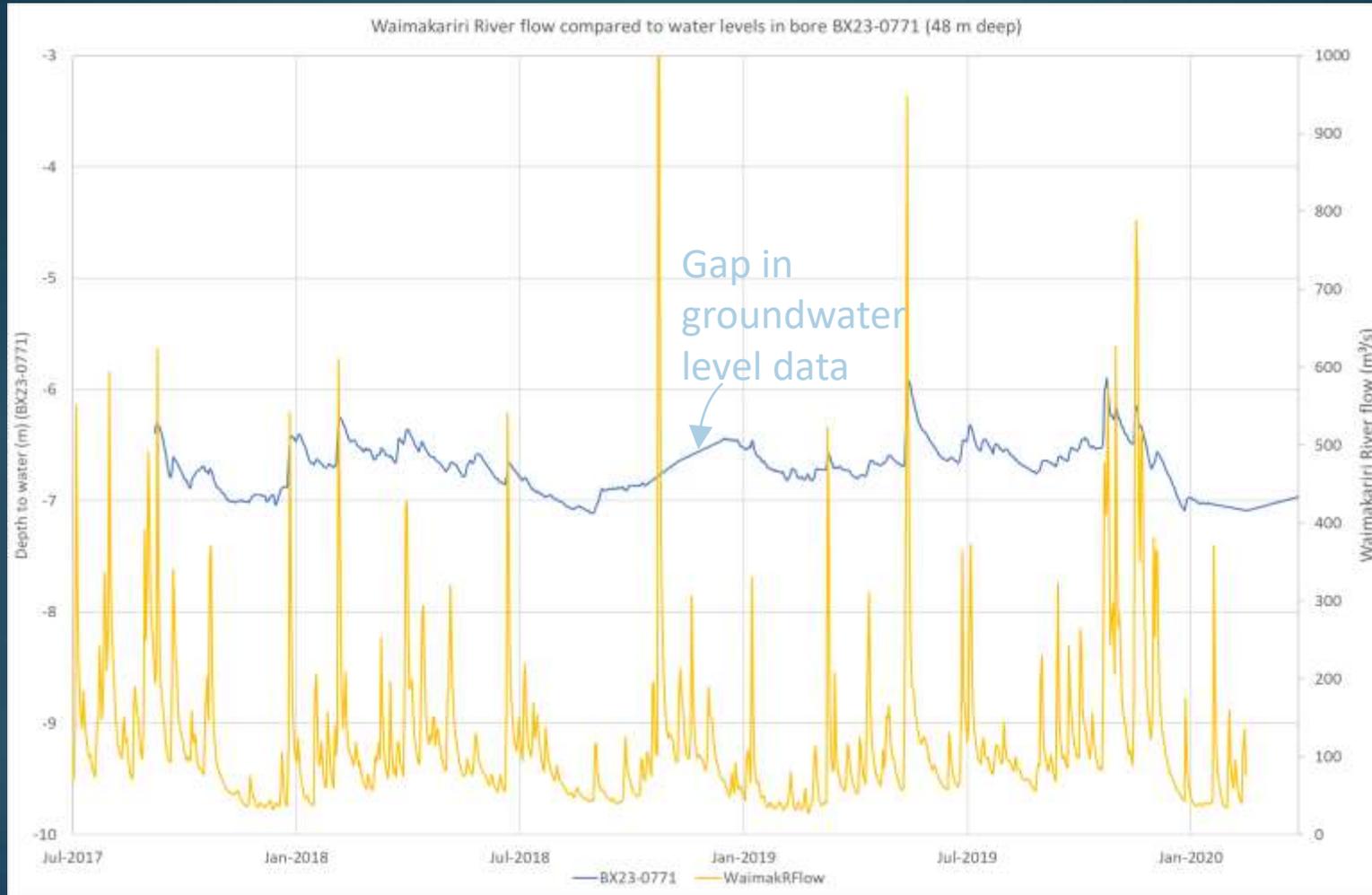


Figure 3-11: Measured and modelled (CMP, median) groundwater Nitrate in shallow wells

Groundwater levels compared to Waimakariri River flows



Observed and modelled flow directions

