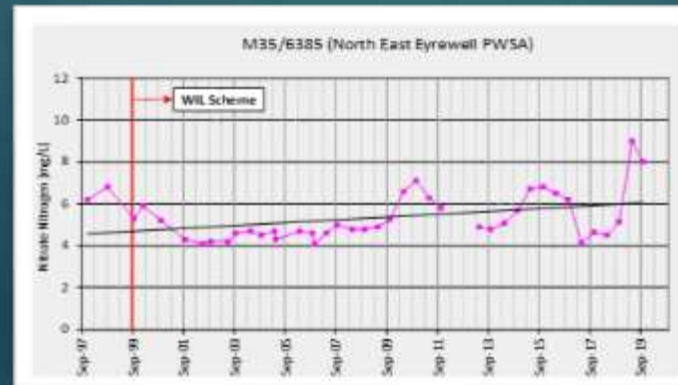
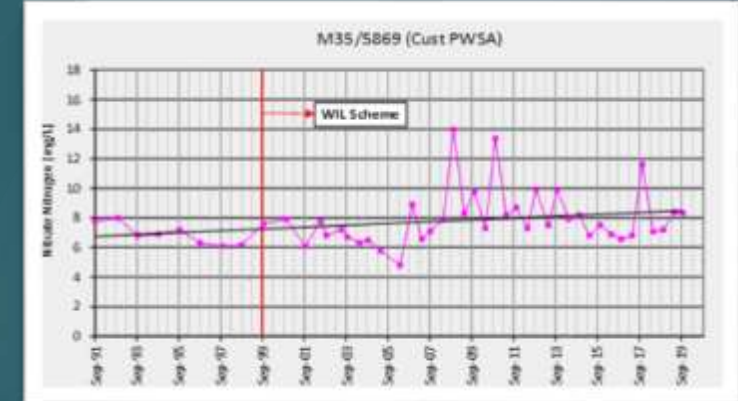
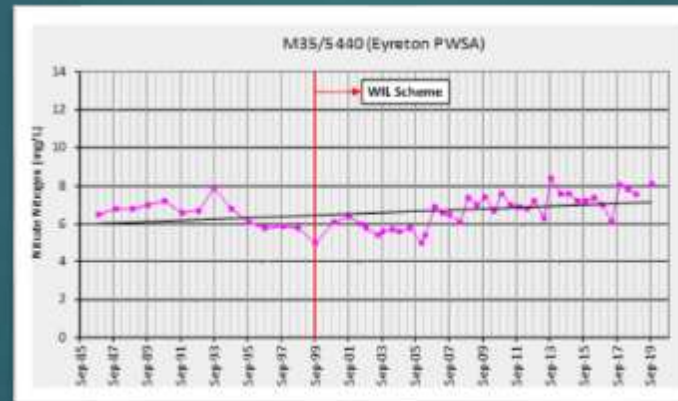
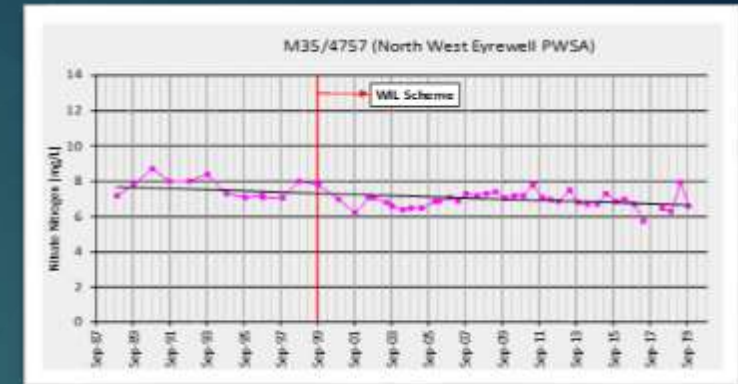
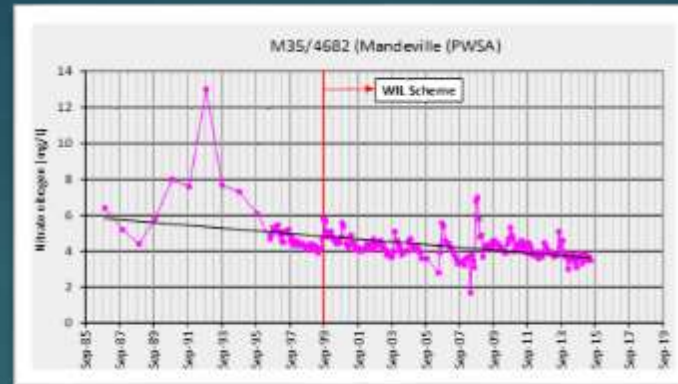
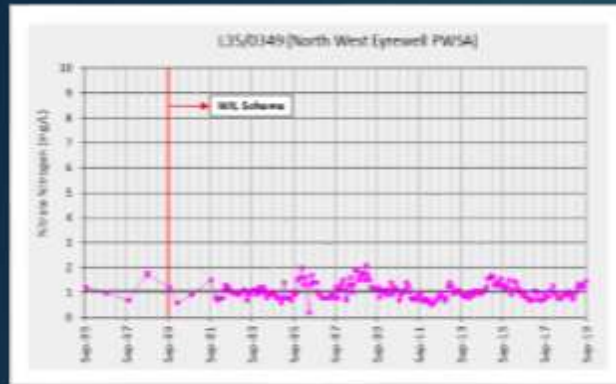


Presentation to the PC7 Hearing Panel

NEIL THOMAS, GROUNDWATER SCIENTIST ON BEHALF OF WAIMAKARIRI IRRIGATION
LIMITED

Monitored nitrate concentrations in groundwater

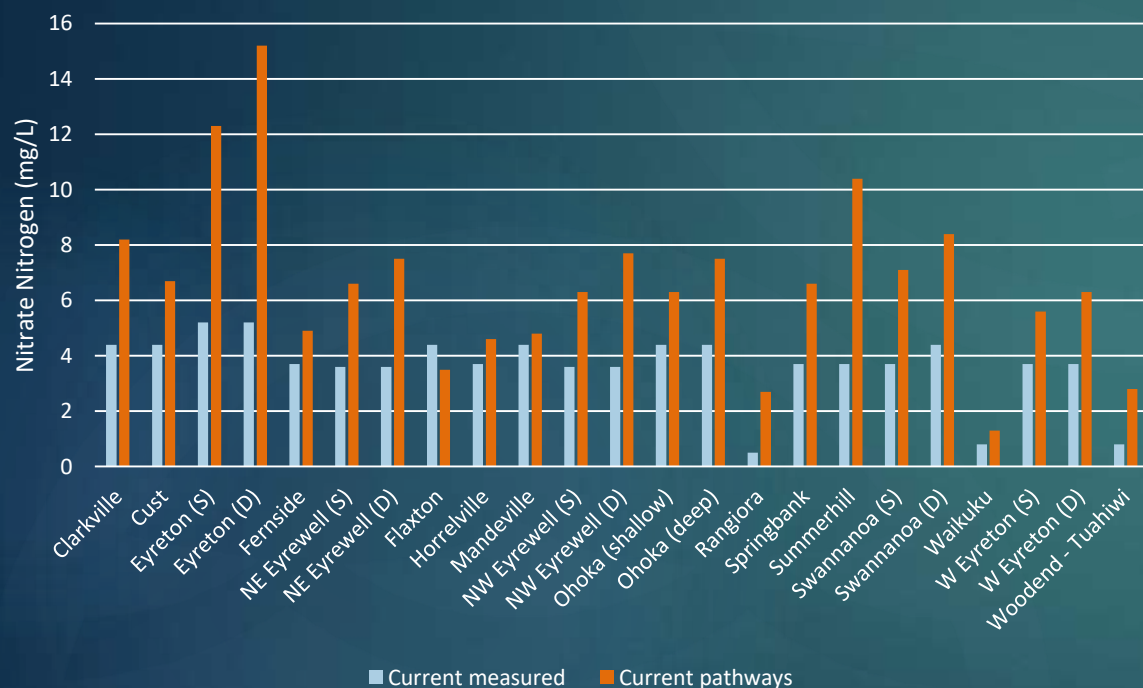
2



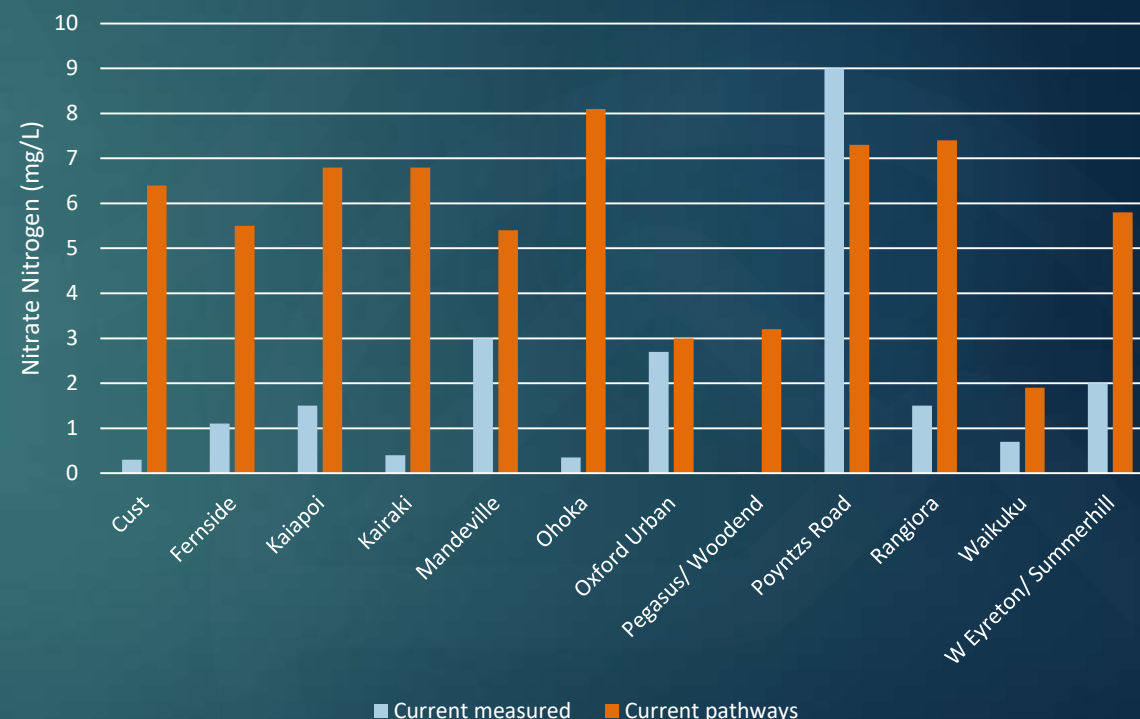
Observed and modelled nitrate concentrations (Private water supply areas and Public water supply areas)

3

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)

4

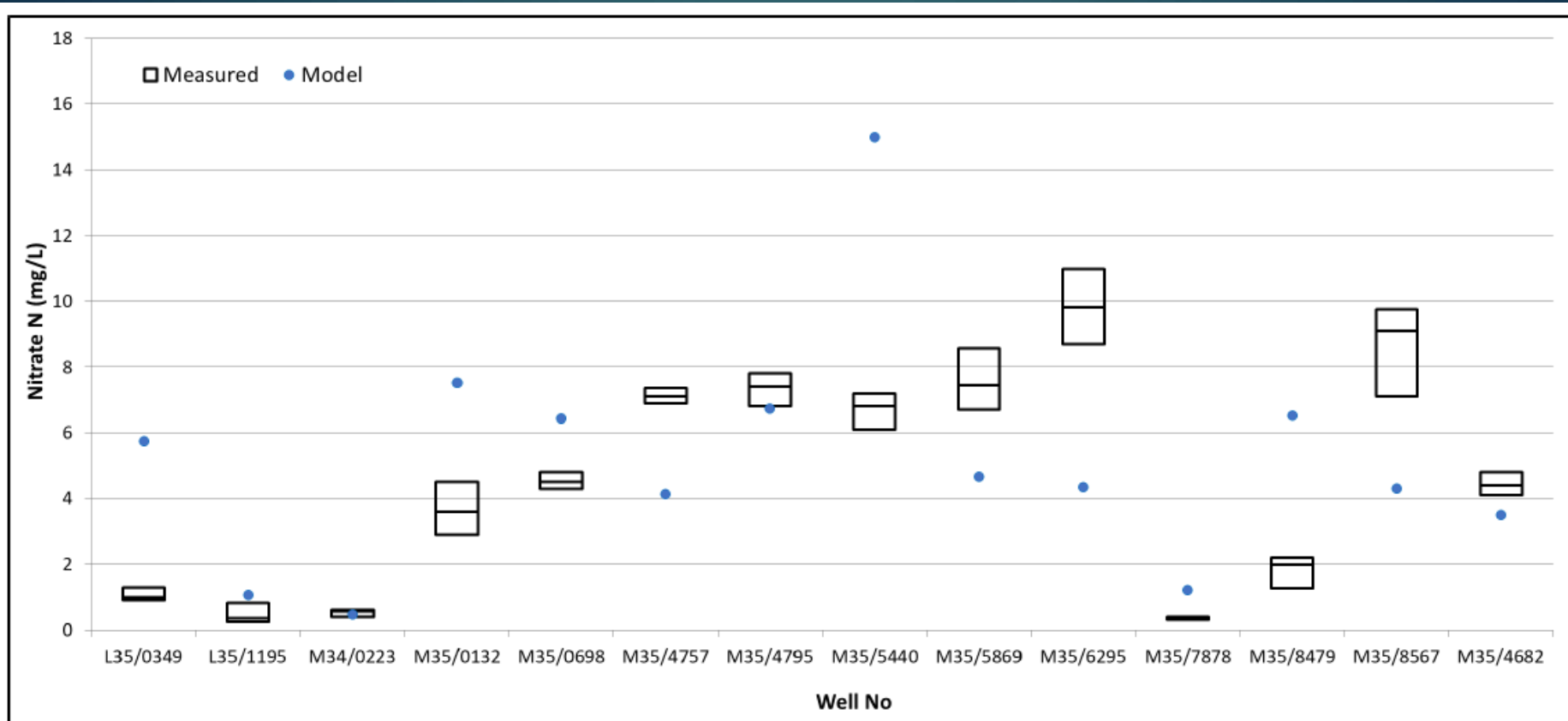
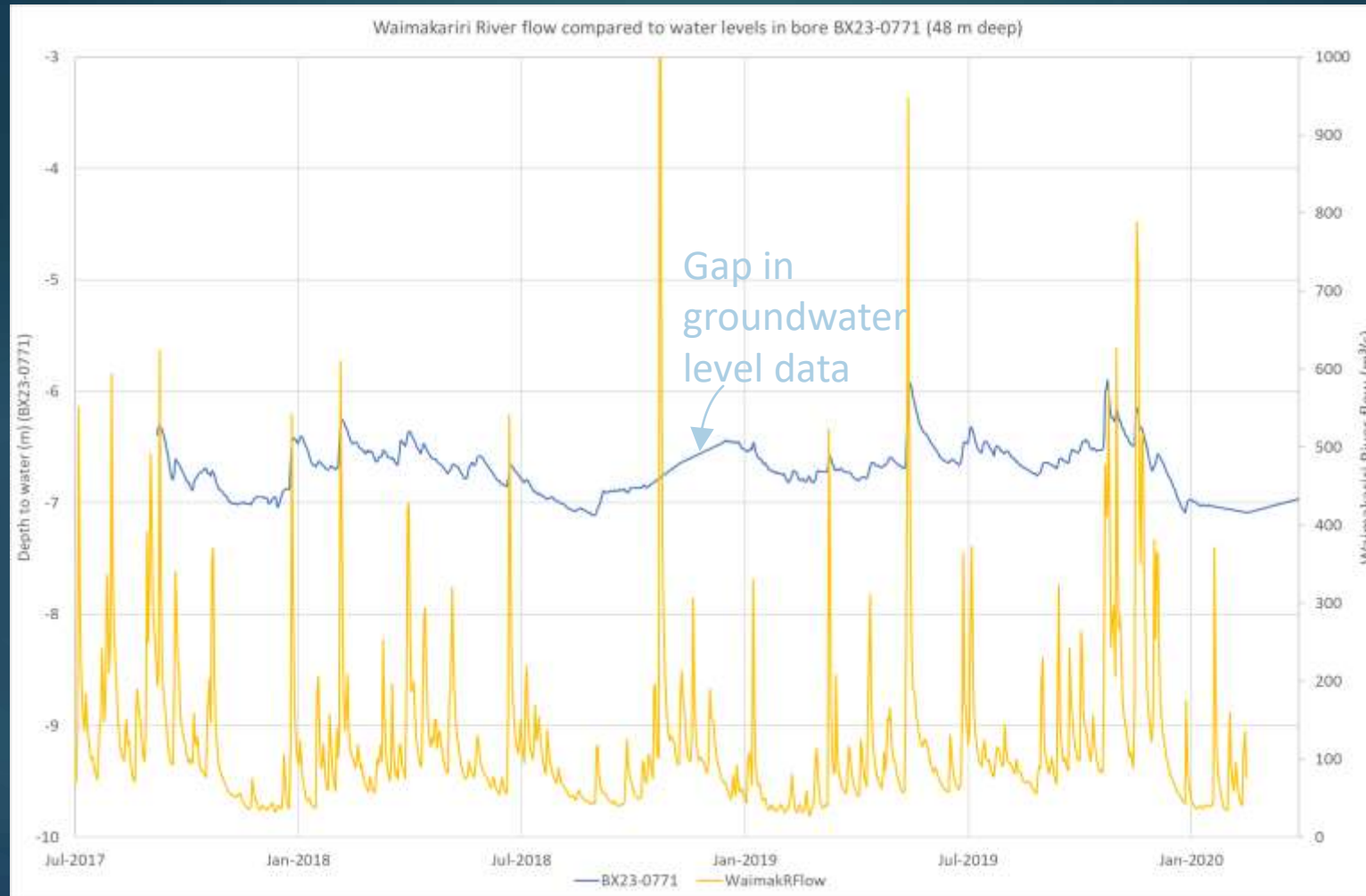


Figure 3-11: Measured and modelled (CMP, median) groundwater Nitrate in shallow wells

Groundwater levels compared to Waimakariri River flows

5



Observed and modelled flow directions

