

Appendix A

Water Level Monitoring

Figure 1 - Water Level Survey - Recorded Data for Purewa Creek and Orakei Basin

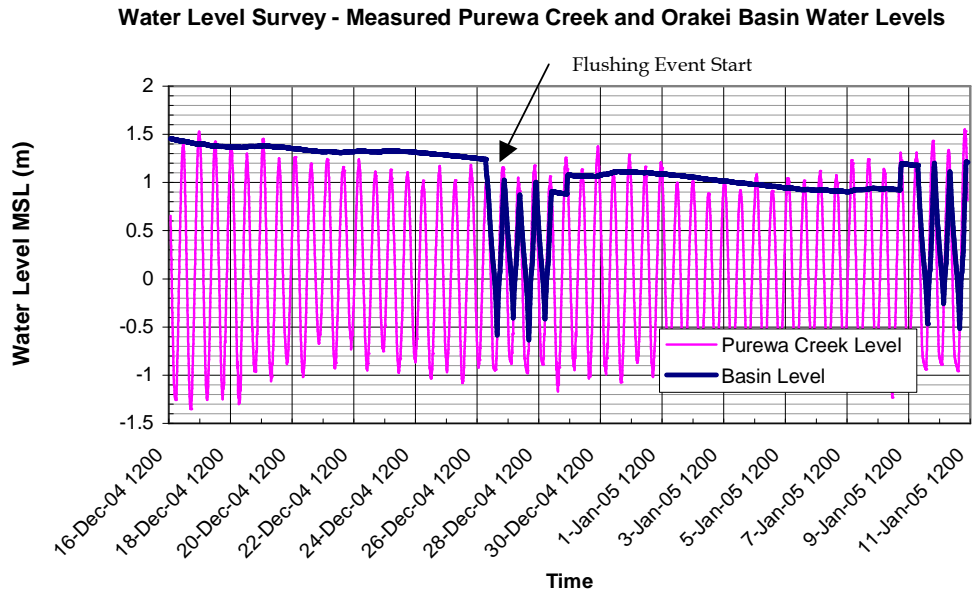


Figure 2 - Plot of Basin monitored drop in water level due to leakage

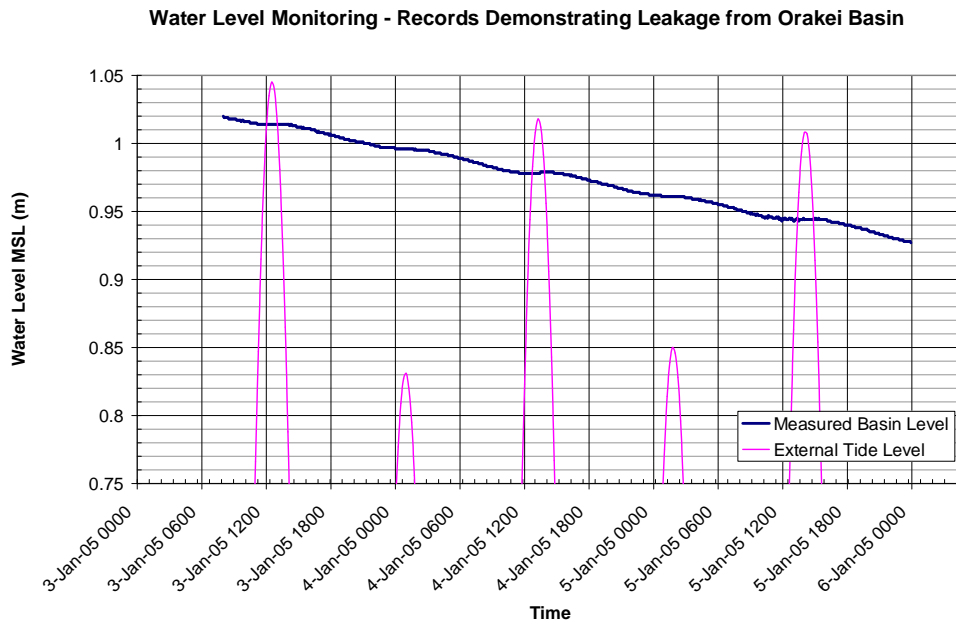
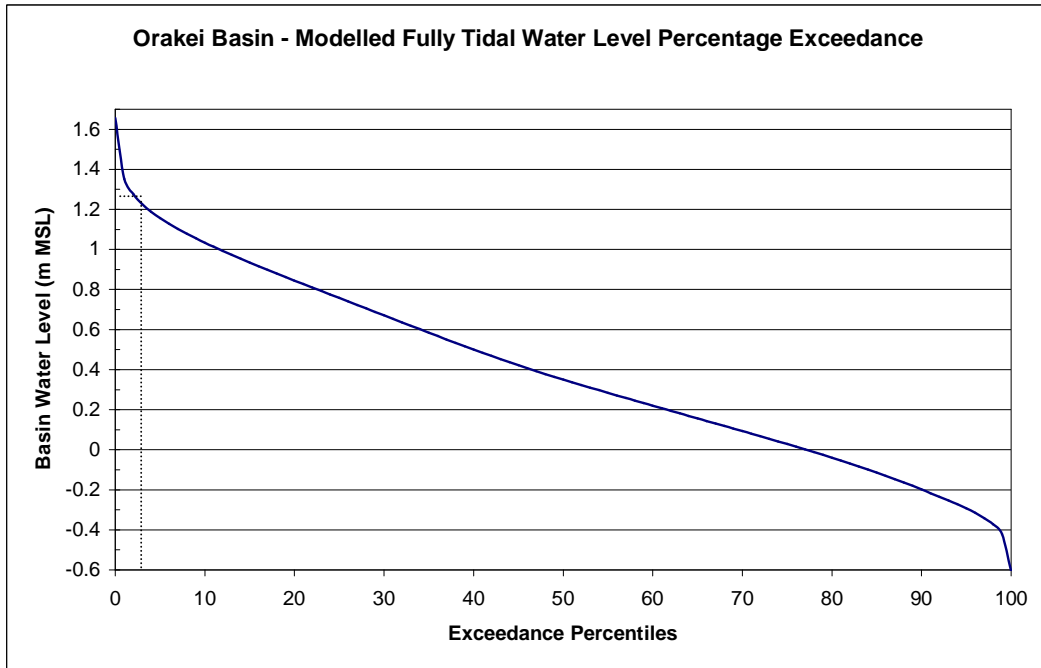


Figure 3 - Plot of Exceedance Percentiles for the Fully Tidal Option



The Graph shows the percentage of time during daylight hours for 2004 that a given water level in the Basin is exceeded for the Fully tidal regime. (eg. The preferred minimum user level of 1.25 MSL is exceeded only 2% of the daylight hours.)

Figure 4 - Plot of Basin volumes and surface area based on bathymetry data

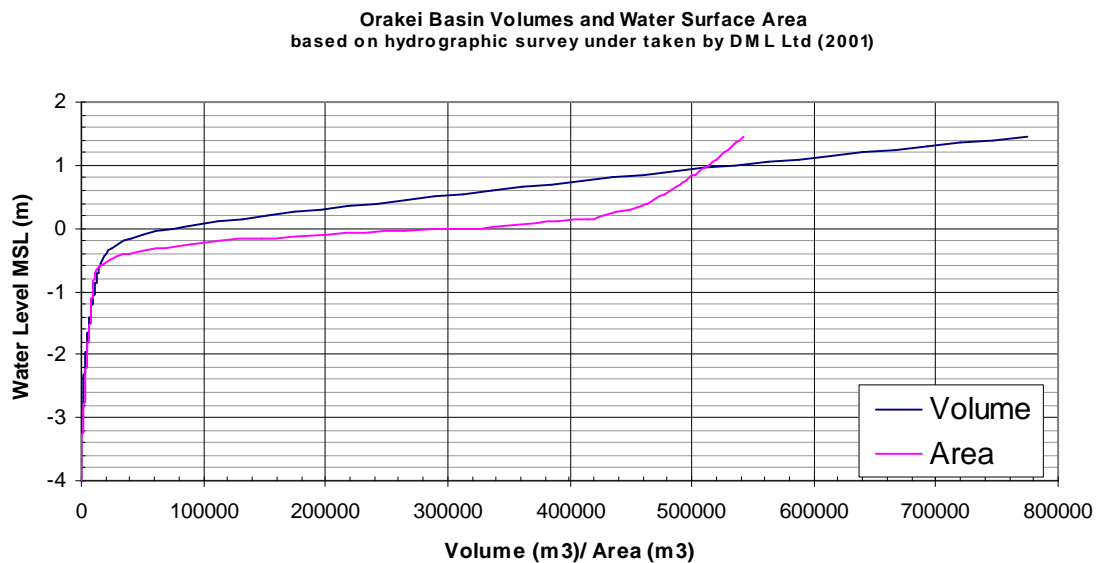


Figure 5 - Verification of modelled Basin level against Dec. 04 recorded Basin level data Flushing event

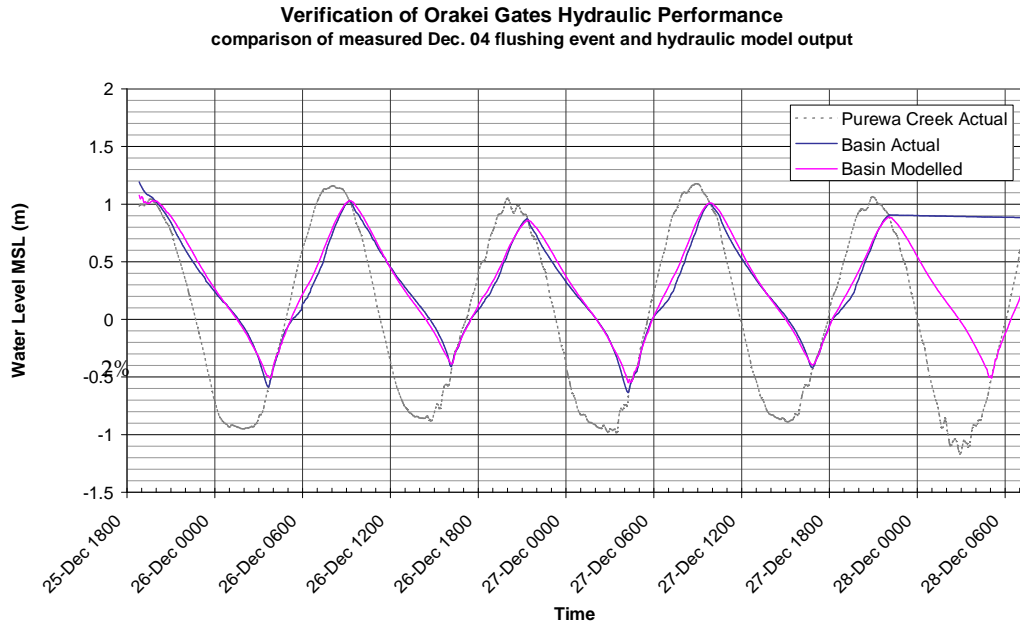


Figure 6 - Verification of modelled Basin level against Jan '05 recorded Basin level data. Flushing event

