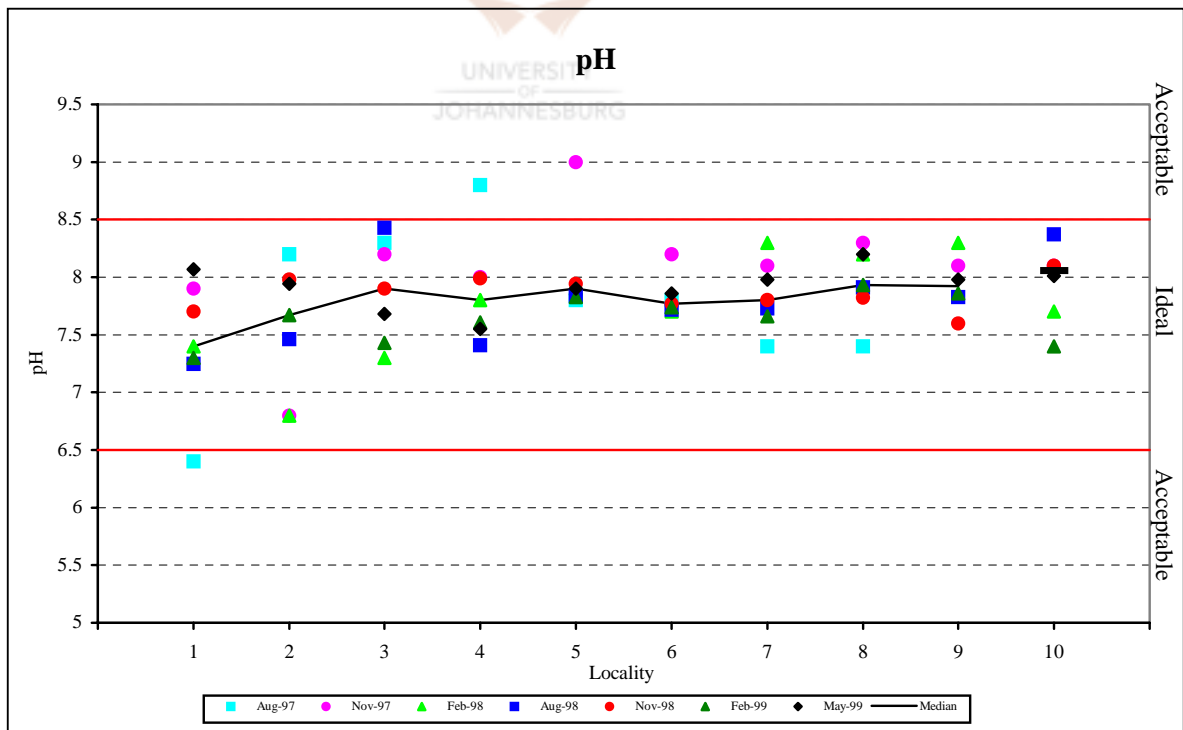
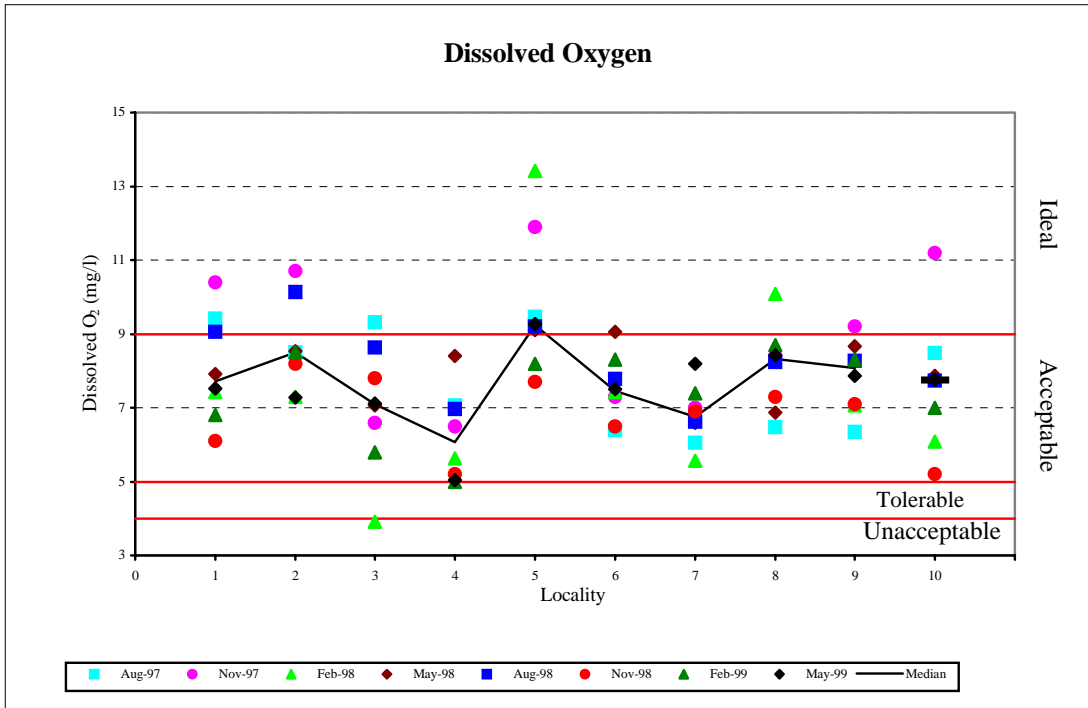


**Figure 3.2:** Spatial and temporal variation in surface water temperature (°C).

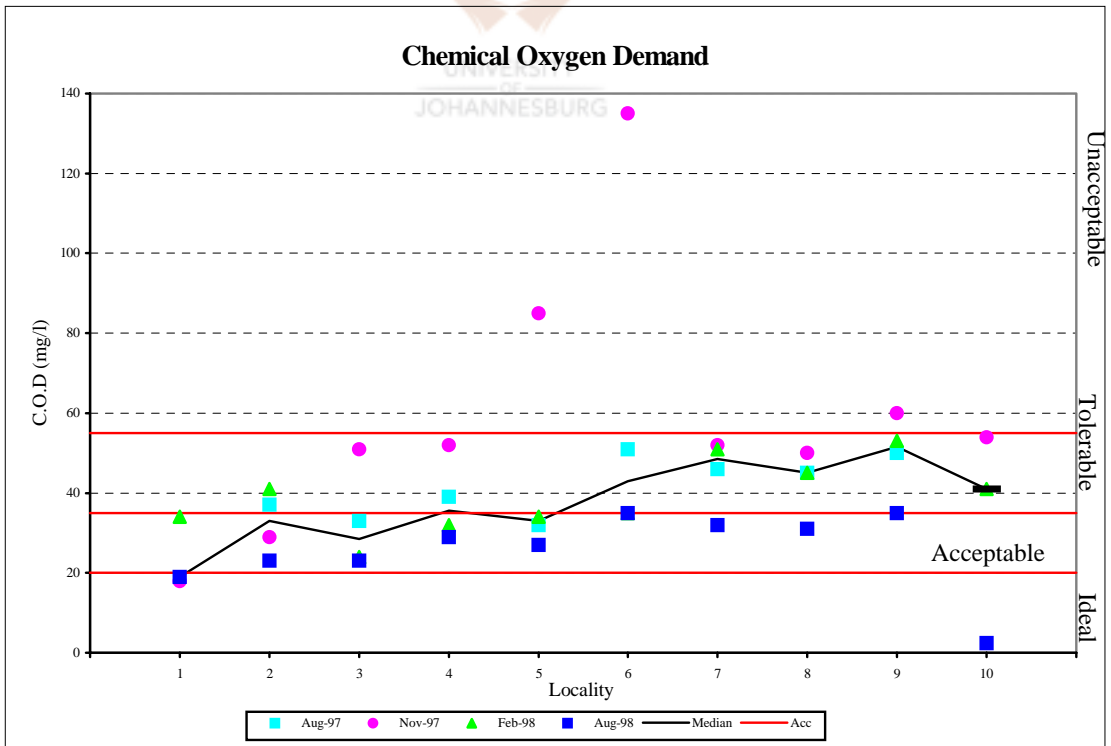


**Figure 3.3:** Spatial and temporal variation in surface water pH.

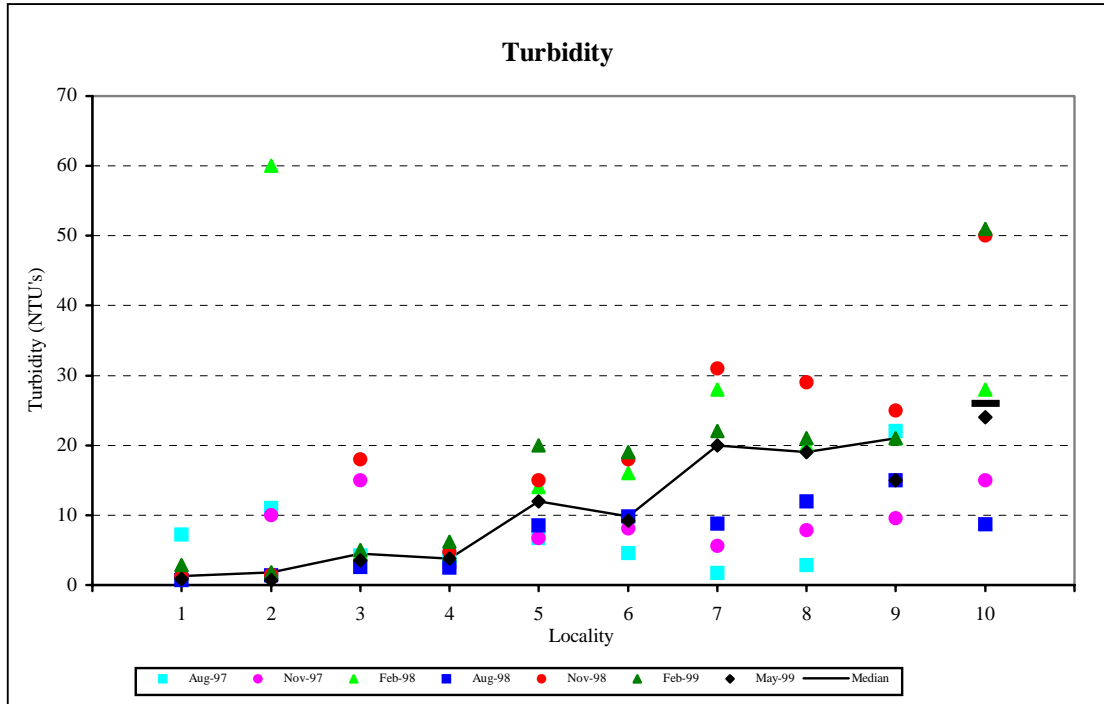




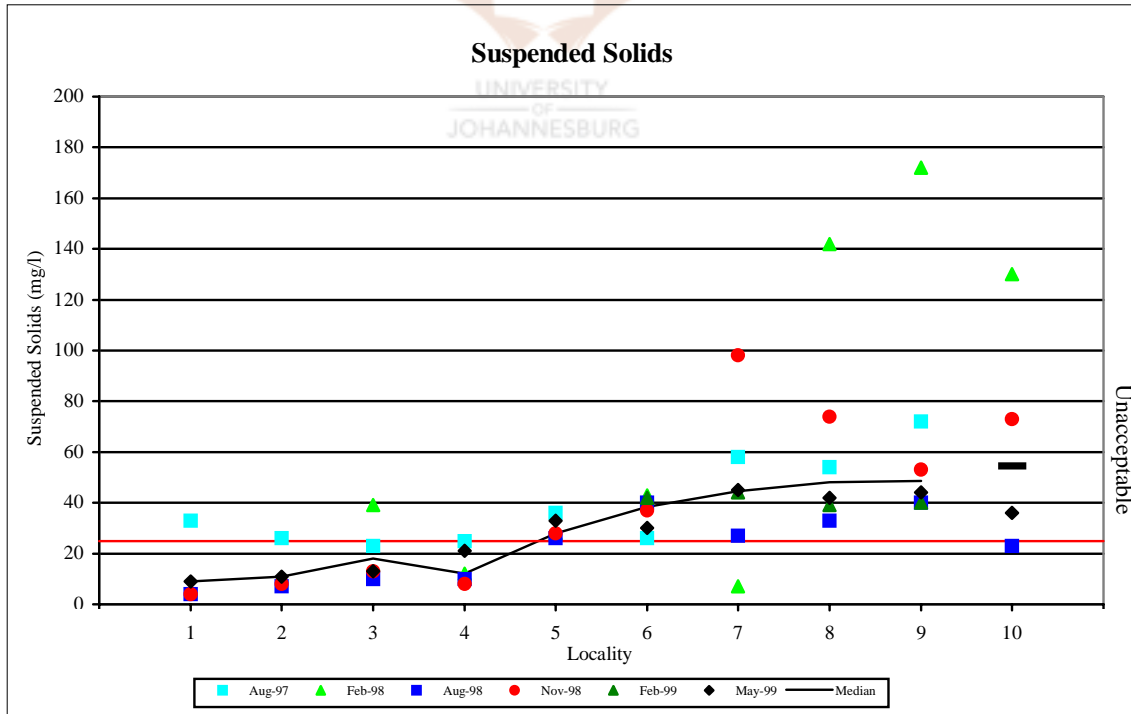
**Figure 3.4:** Spatial and temporal variation in surface water dissolved oxygen (mg/l).



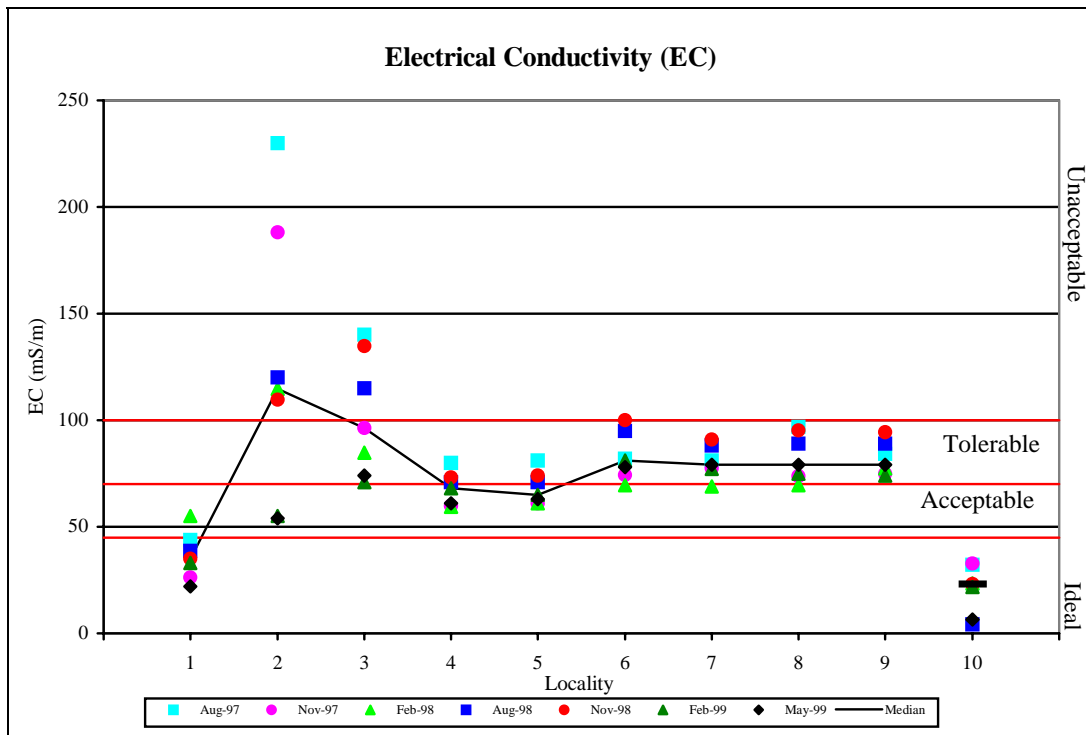
**Figure 3.5:** Spatial and temporal variation in surface water chemical oxygen demand (mg/l).



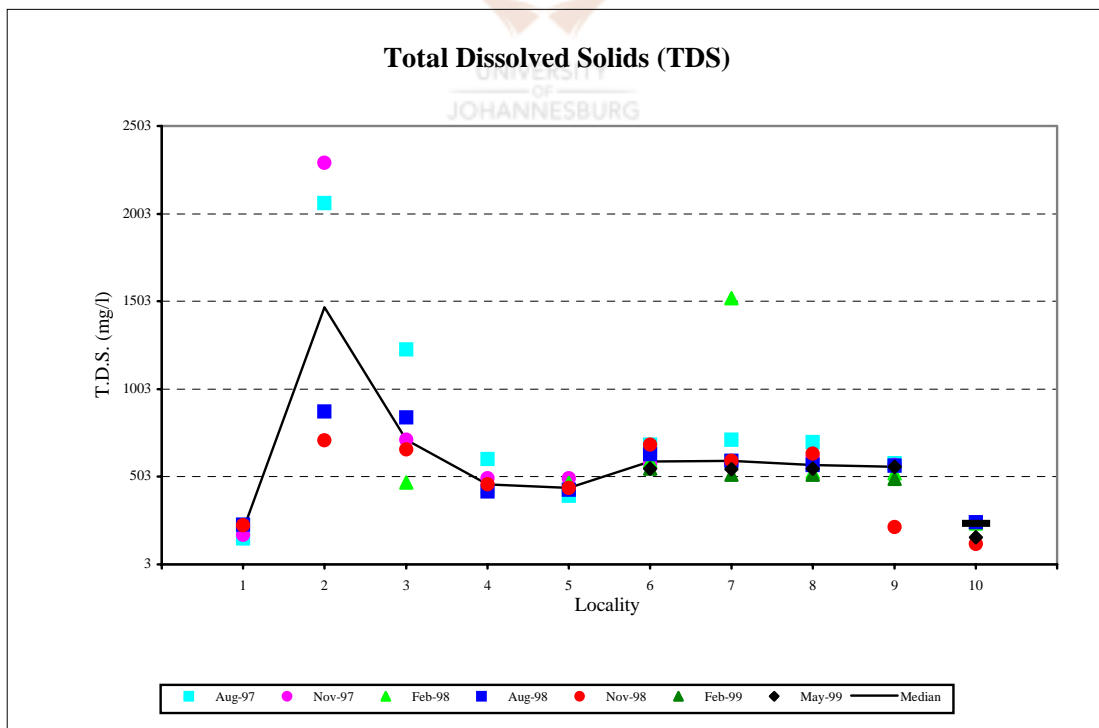
**Figure 3.6:** Spatial and temporal variation in surface water turbidity (NTU's).



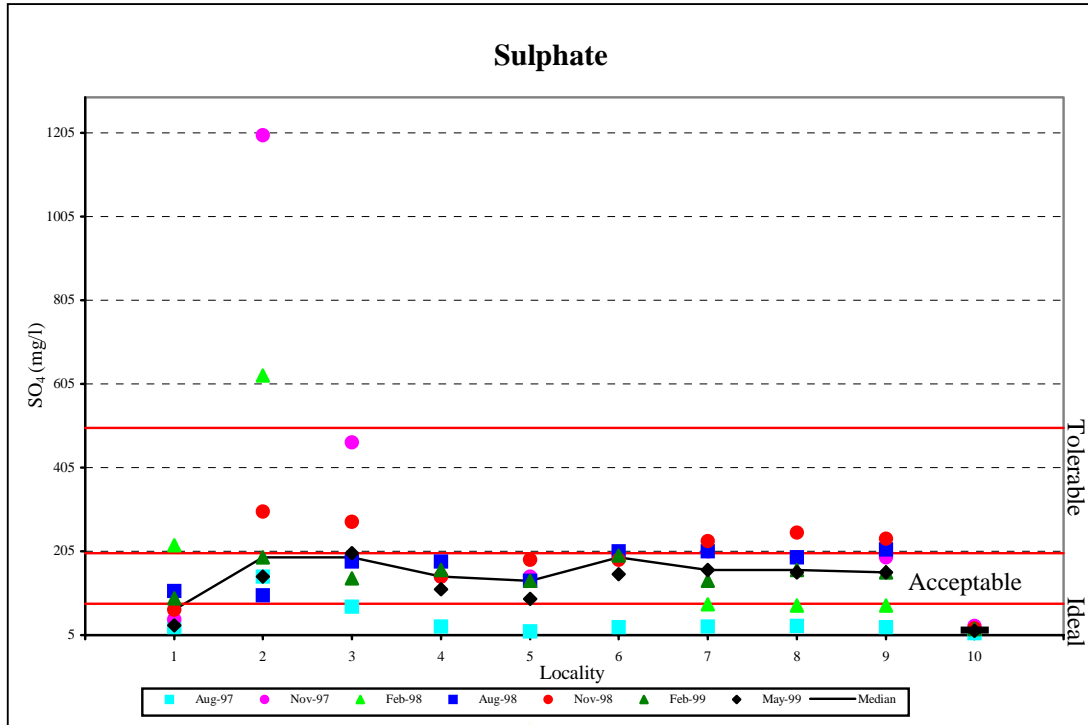
**Figure 3.7:** Spatial and temporal variation in surface water suspended solid concentrations (mg/l).



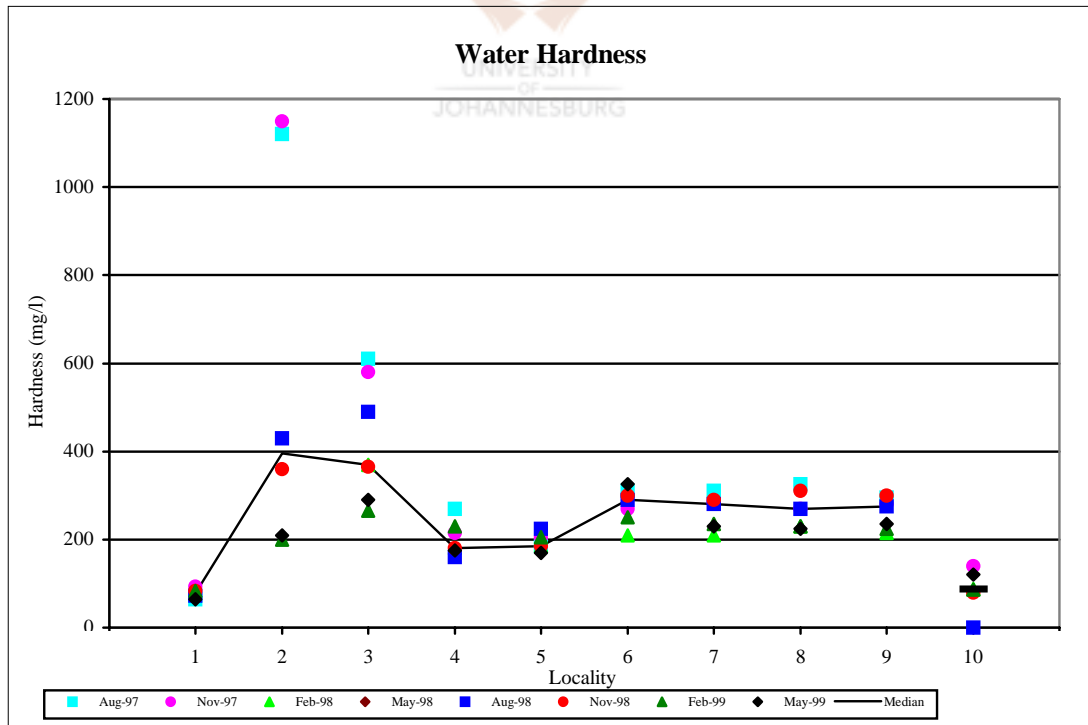
**Figure 3.8:** Spatial and temporal variation in surface water electrical conductivity (mS/m).



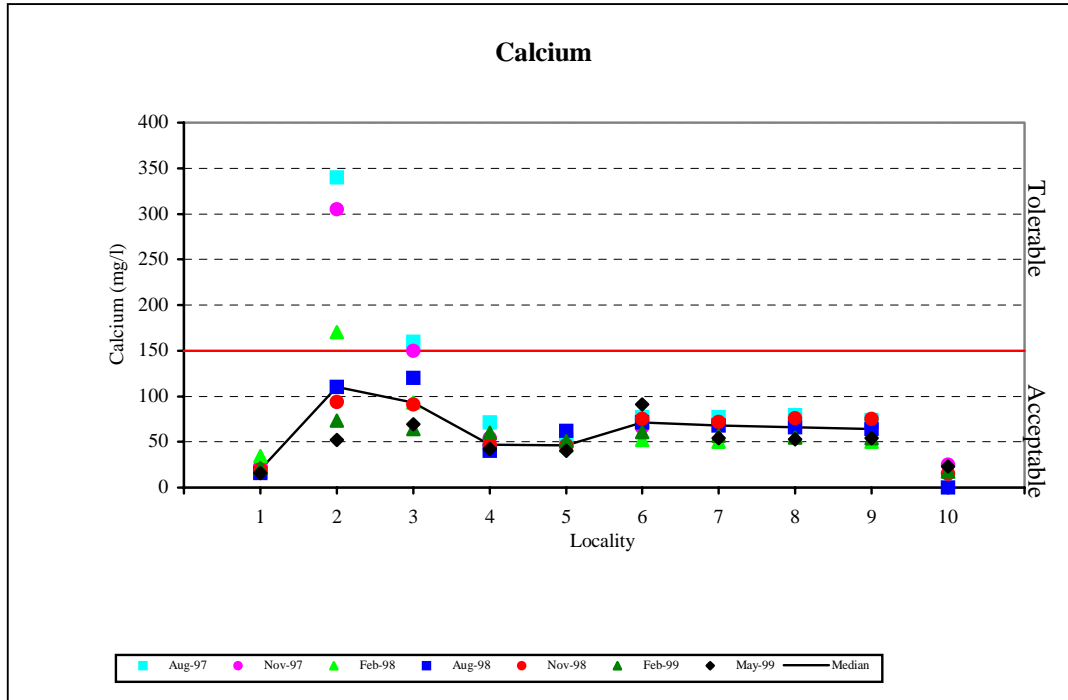
**Figure 3.9:** Spatial and temporal variation in surface water total dissolved solids (mg/l).



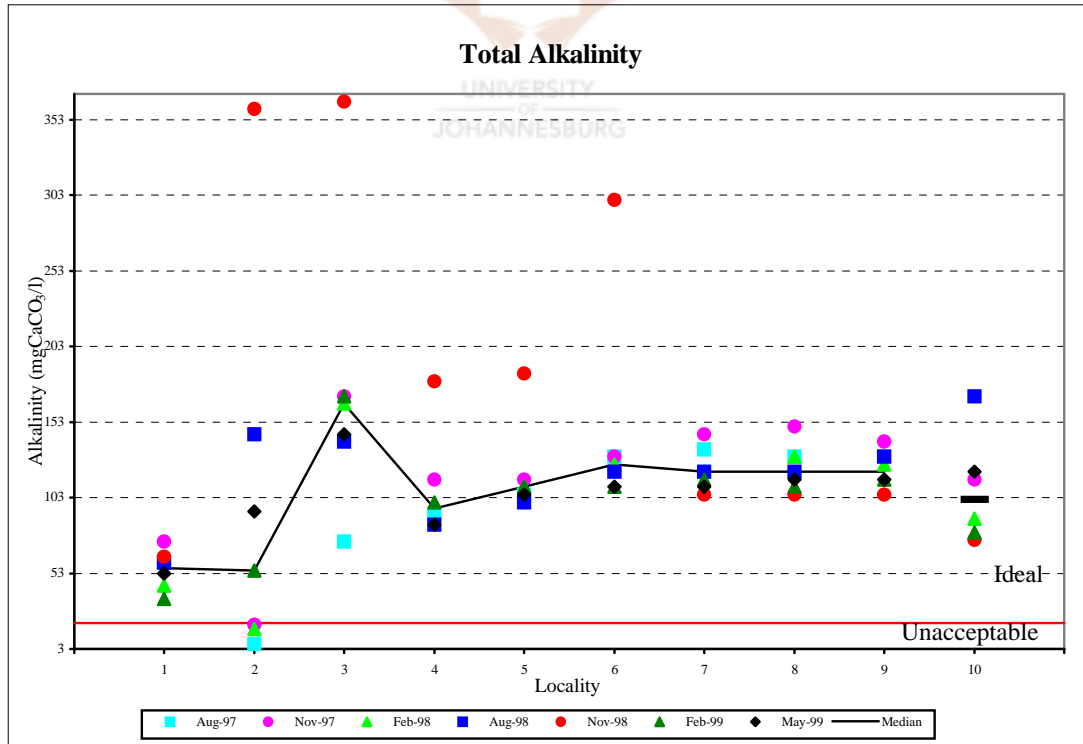
**Figure 3.10:** Spatial and temporal variation in surface water sulphate (SO<sub>4</sub>) concentrations (mg/l).



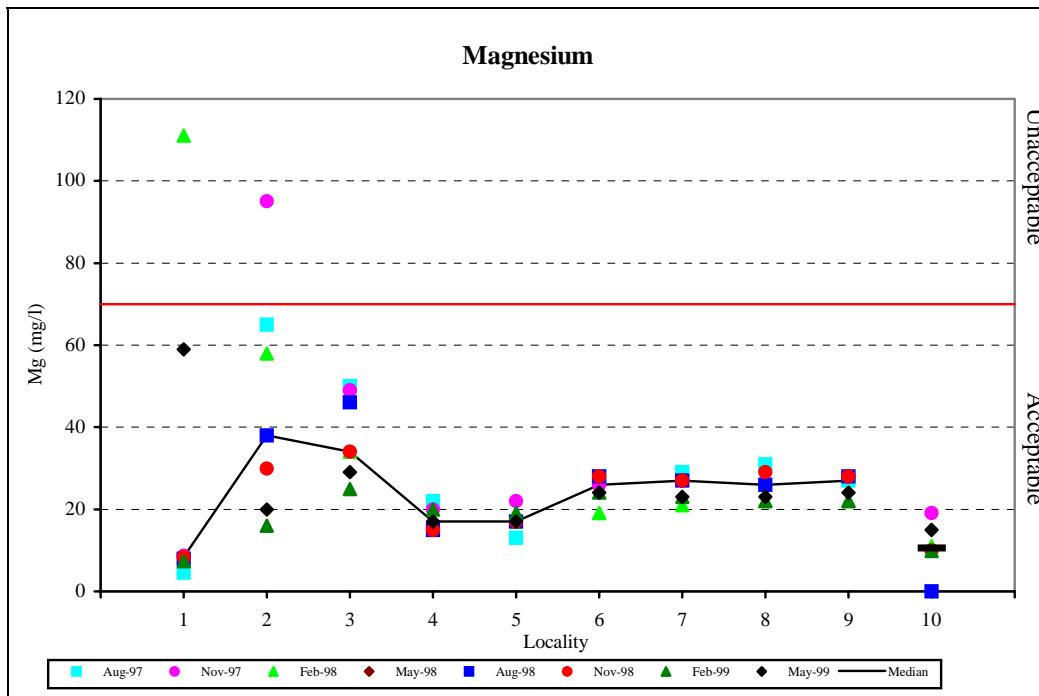
**Figure 3.11:** Spatial and temporal variation in surface water hardness (as CaCO<sub>3</sub> in mg/l).



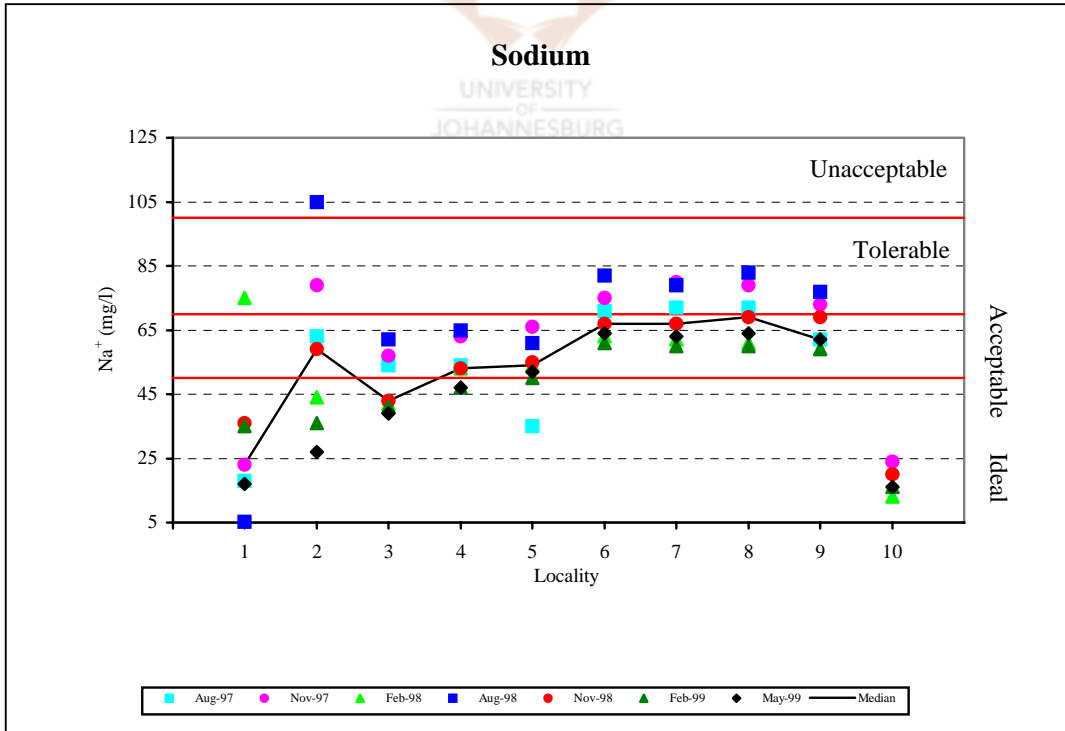
**Figure 3.12:** Spatial and temporal variation in surface water calcium (Ca) concentration (mg/l).



**Figure 3.13:** Spatial and temporal variation in surface water total alkalinity (mg/l).

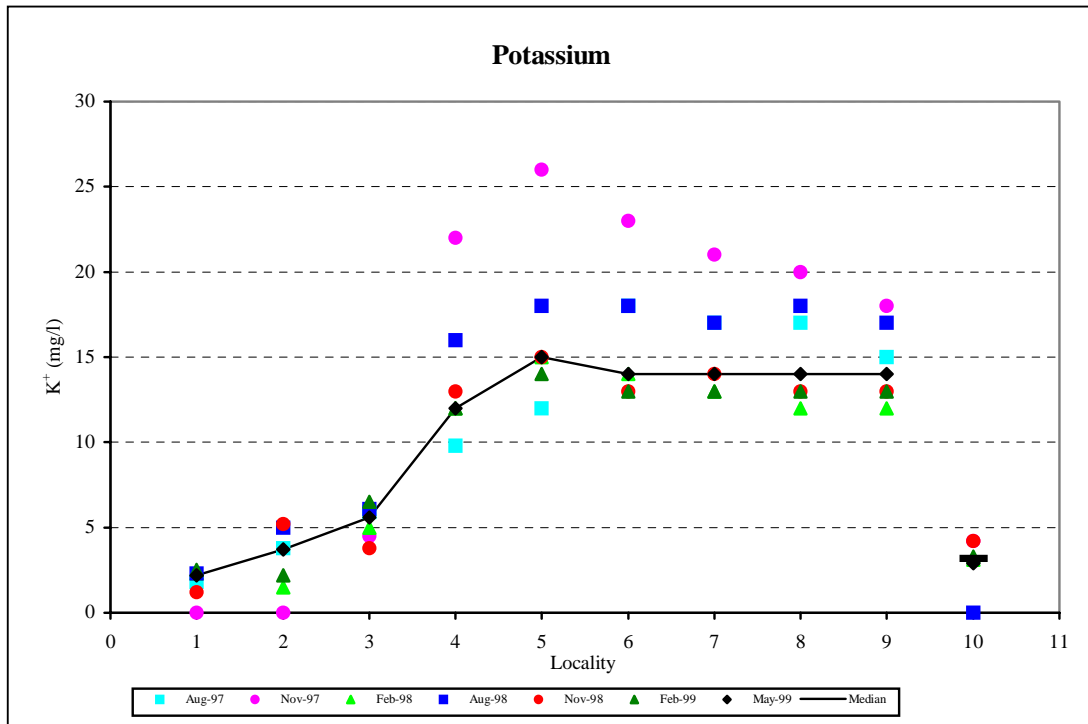


**Figure 3.14:** Spatial and temporal variation in surface water magnesium (Mg) concentrations (mg/l).

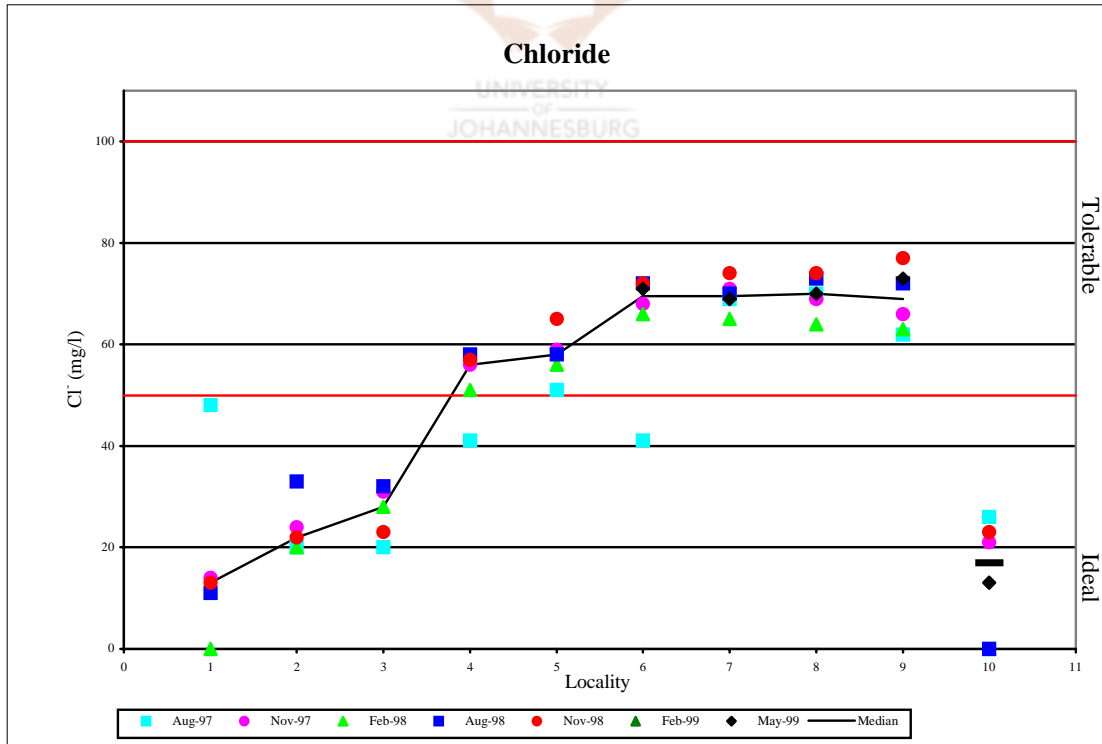


**Figure 3.15:** Spatial and temporal variation in surface water sodium (Na) concentrations (mg/l).





**Figure 3.16:** Spatial and temporal variation in surface water potassium (K) concentrations (mg/l).



**Figure 3.17:** Spatial and temporal variation in surface water chloride (Cl) concentrations (mg/l).

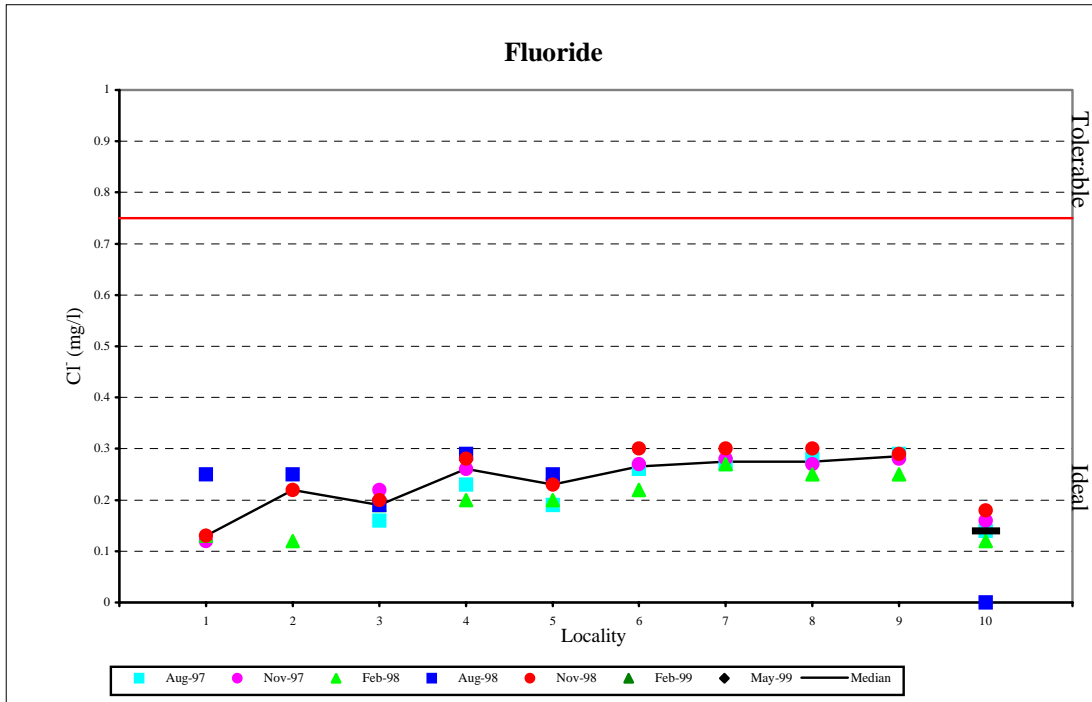


Figure 3.18: Spatial and temporal variation in surface water fluoride concentrations (mg/l).

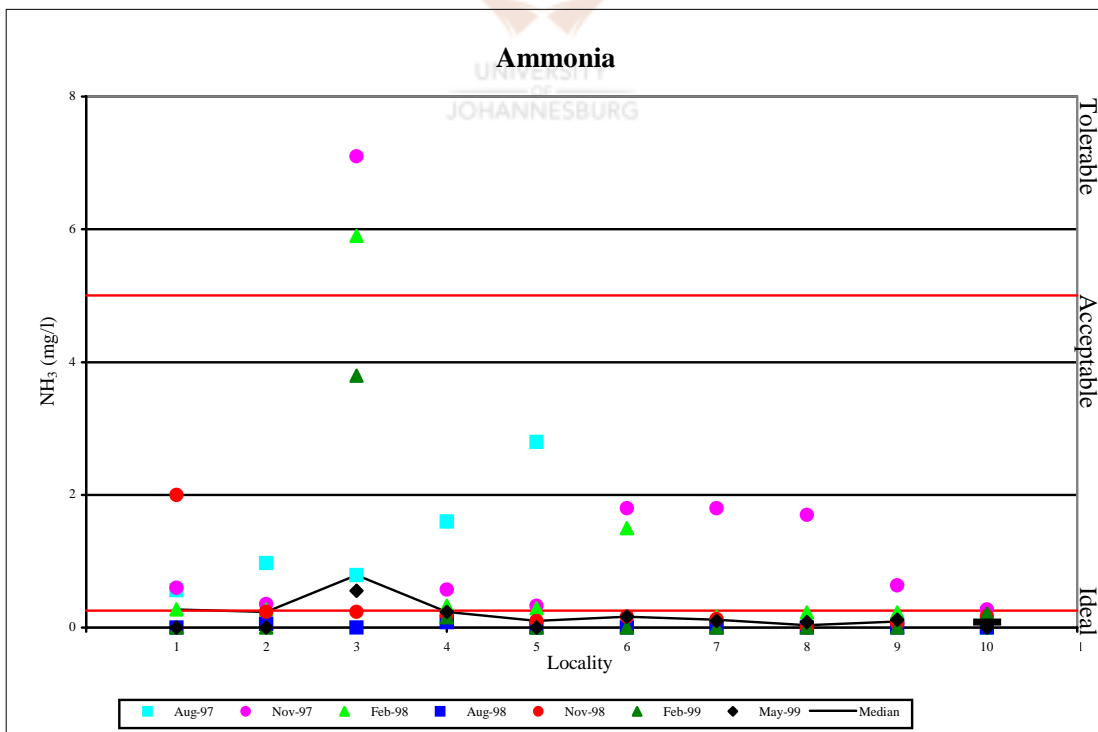
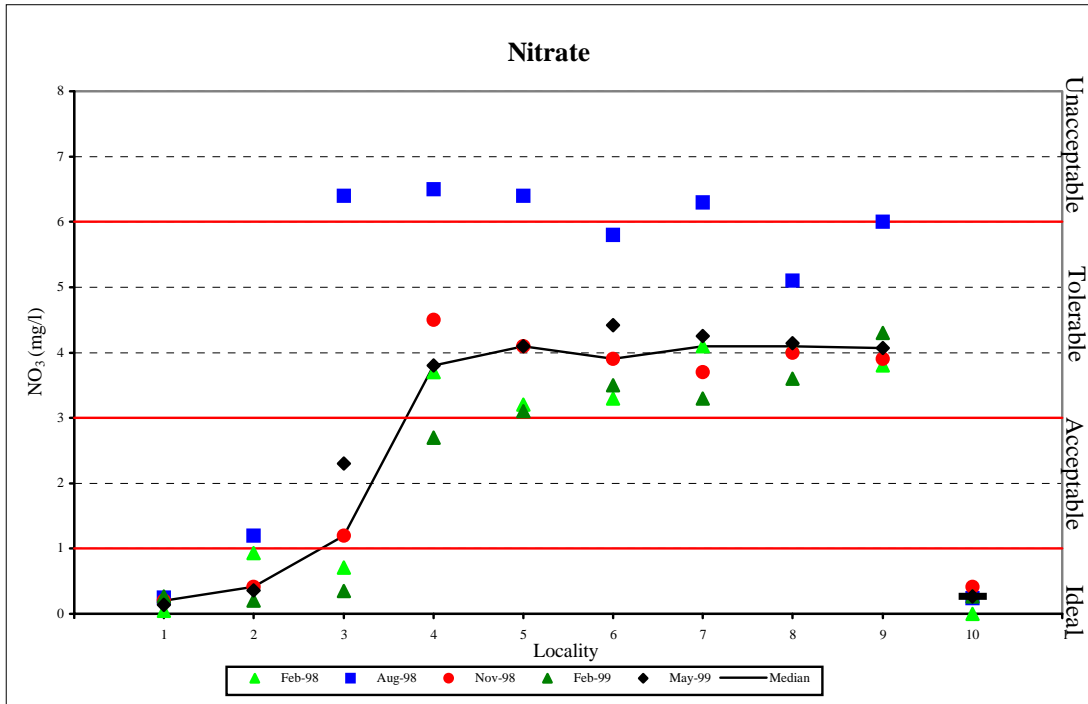
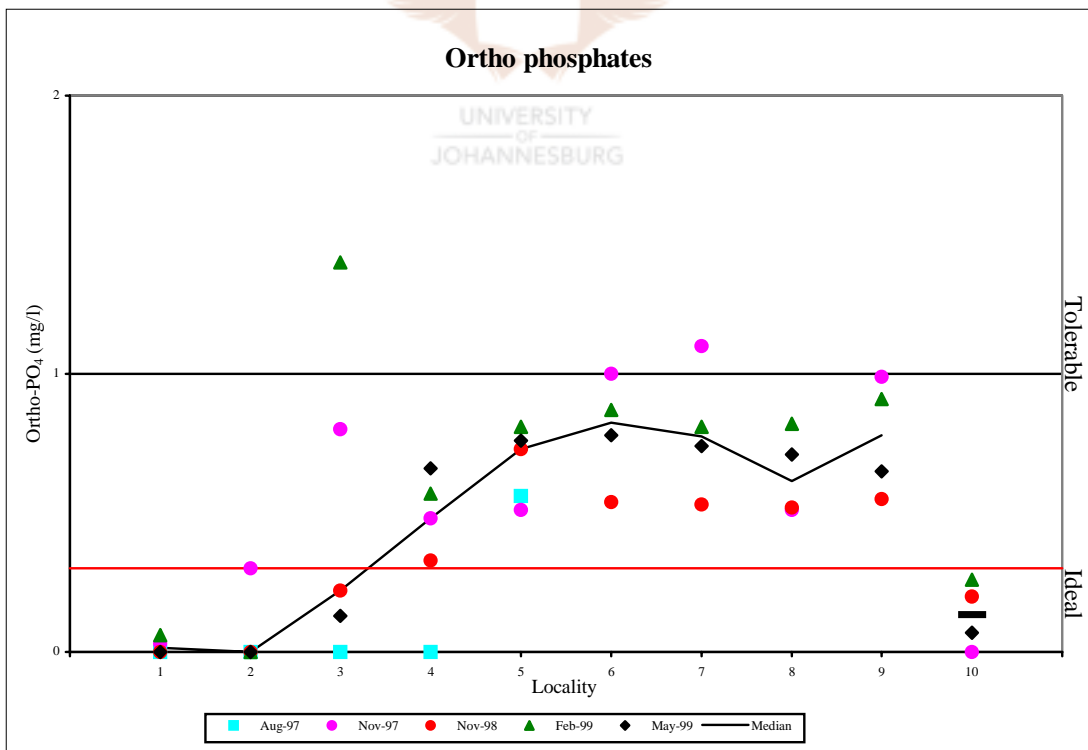


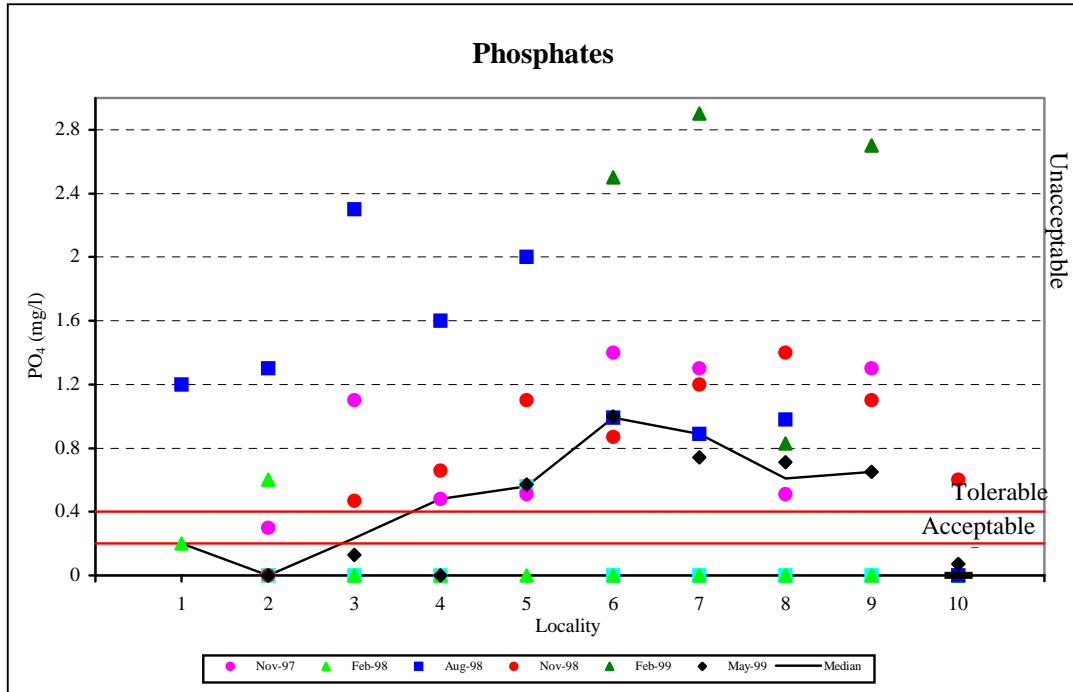
Figure 3.19: Spatial and temporal variation in surface water ammonia (NH<sub>3</sub>) concentrations (mg/l).



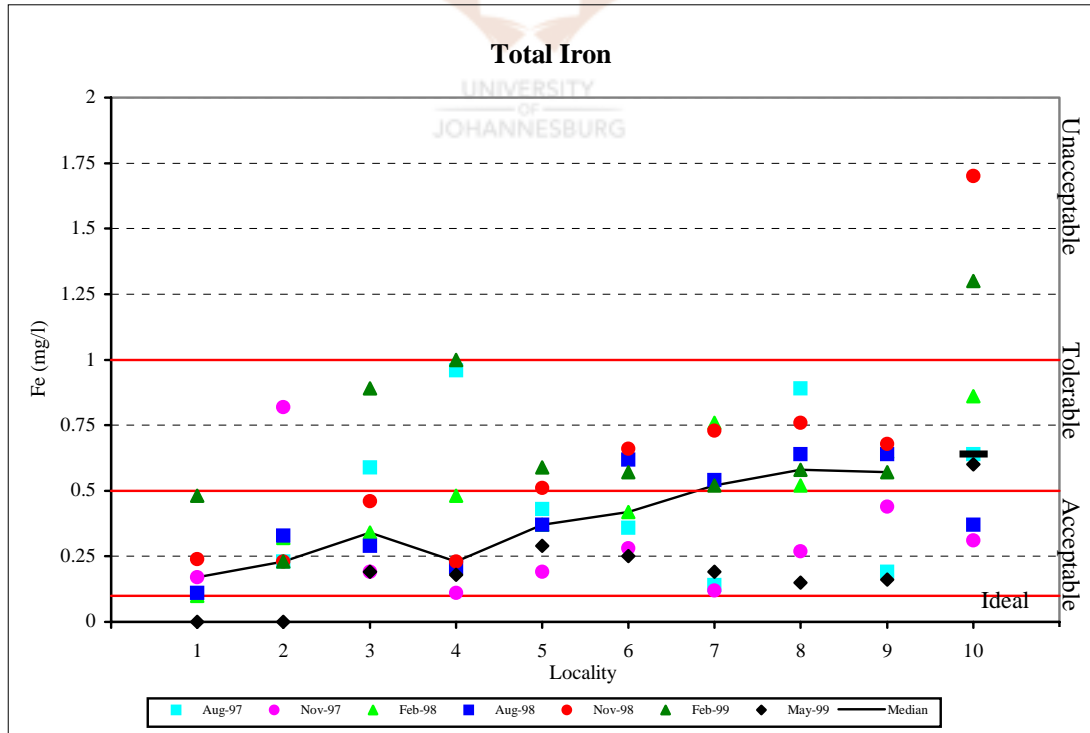
**Figure 3.20:** Spatial and temporal variation in surface water nitrate (NO<sub>3</sub>) concentrations (mg/l).



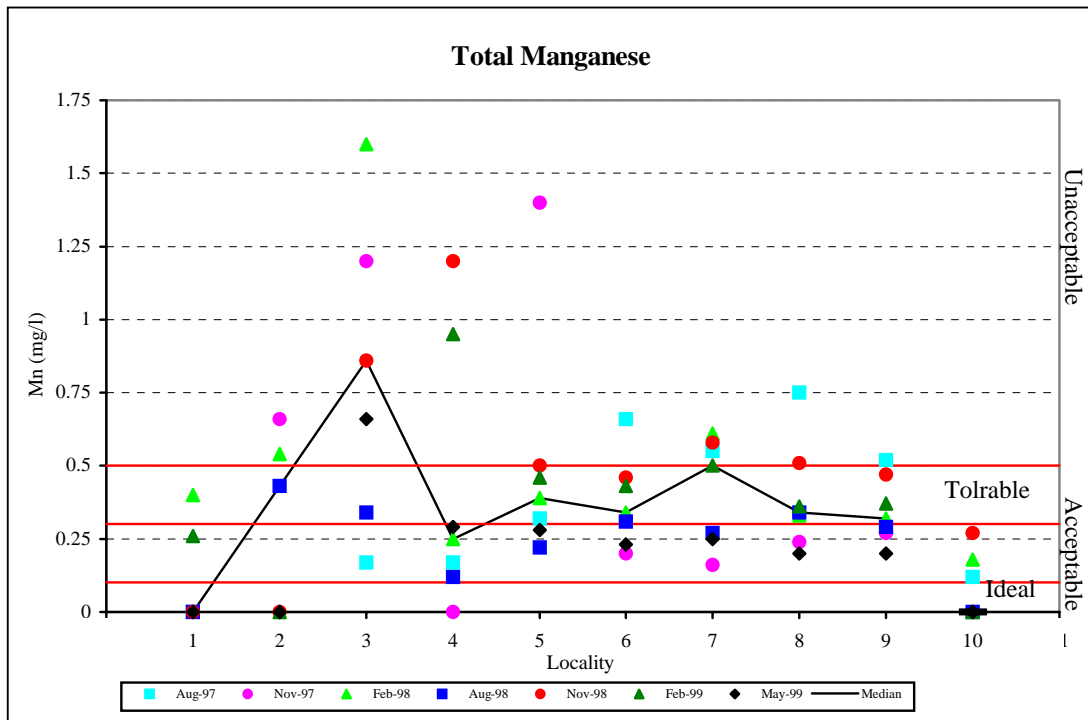
**Figure 3.21:** Spatial and temporal variation in surface water ortho-phosphate concentrations (mg/l).



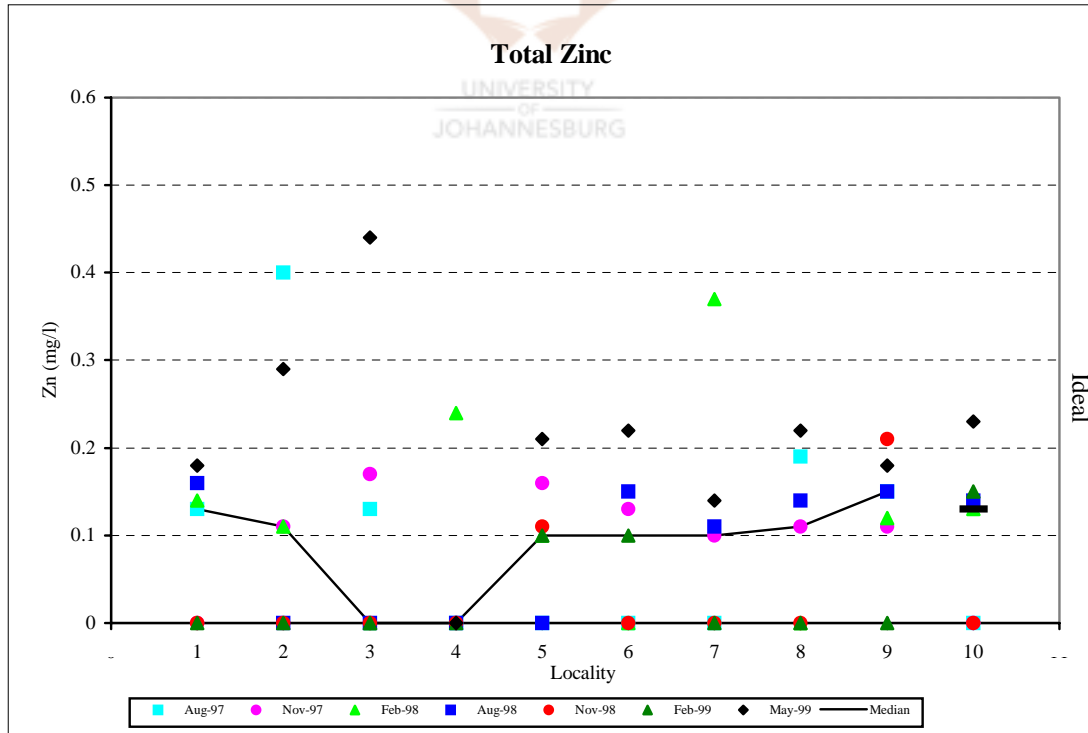
**Figure 3.22:** Spatial and temporal variation in surface water phosphate concentrations (mg/l)



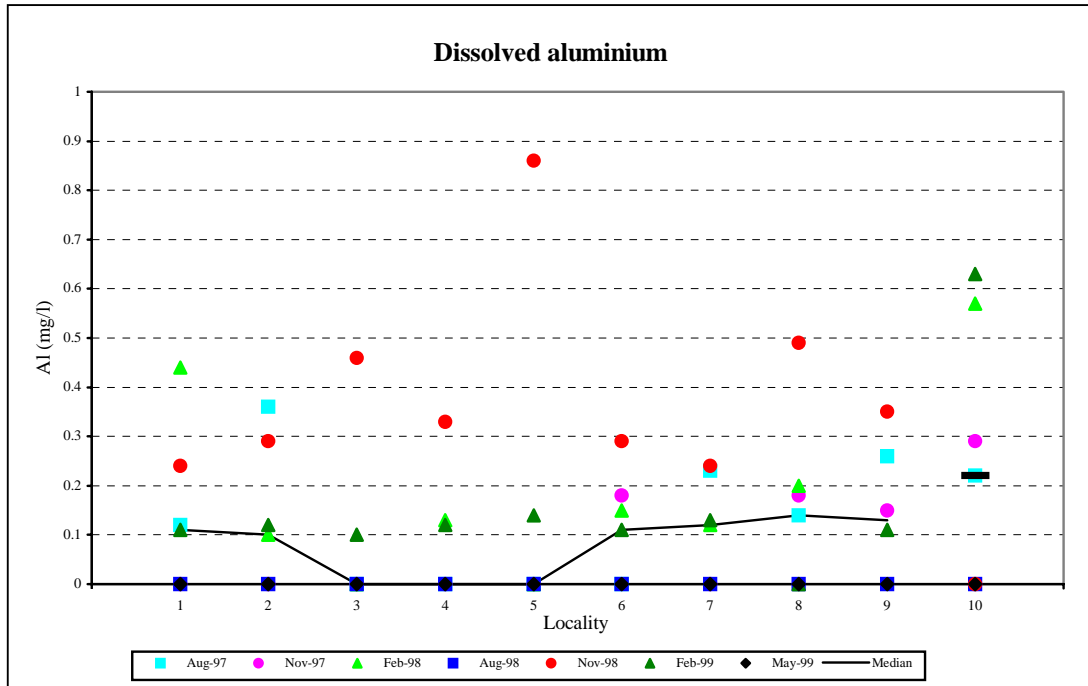
**Figure 3.23:** Spatial and temporal variation in surface water total iron concentrations (mg/l).



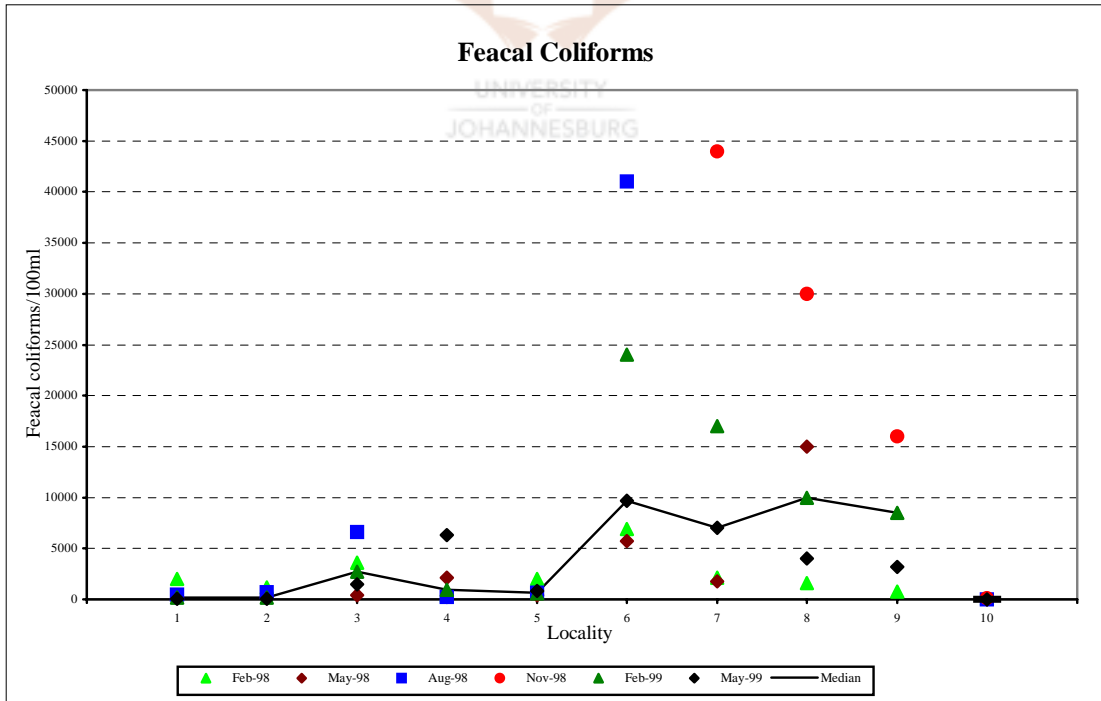
**Figure 3.24:** Spatial and temporal variation in surface water total manganese concentrations (mg/l)



**Figure 3.25:** Spatial and temporal variation in surface water total zinc concentrations (mg/l).



**Figure 3.26:** Spatial and temporal variation in surface water dissolved aluminium concentrations (mg/l).



**Figure 3.27:** Spatial and temporal variation in surface water faecal coliforms counts (faecal coliforms/100ml).