

Frank Garth Reserve- King River

We have visited King River three times this year. The first date was 27/5/19. The river was stained brown and there was rubbish around the site. PH was a 7, Electrical Conductivity 53, Turbidity 24, Reactive Phosphorous 0, Air Temperature 9.8° and Water Temperature was a 11.5°.

Our pH readings were great, Electrical Conductivity was still excellent but it went up to 83 the next time, which means there was more salt in the water. Turbidity was good at 24 but improved in the next two visits to 11 which is one of the highest numbers on the tube which means the water is pretty clear. Reactive phosphorous was good, air temperature was cold and water temperature was cold too.

Salt is a natural thing found in our soils. When it rains some of the salt washes into the river. Electrical Conductivity measures the amount of salt found in our waters.

In June there was a spike in Electrical Conductivity it went from 52 to 83. A possible explanation is the King river runs through lots of farm lands including vine yards. After the heavy rain more salt washed into the river.

Below is a table of our readings for the three visits:

Frank Garth Reserve- King River			
Date	27/5/19	24/6/19	2/9/19
PH	7	7	7
Electrical Conductivity	52	83	46
Turbidity (NTU)	24	11	15
Reactive Phosphorous (mg/L)	0	0	0
Air Temperature (degrees)	9.8	5.8	10.7
Water Temperature (degrees)	11.5	6.4	10

Overall I thought the Frank Garth Reserve wasn't the best because of the litter, but the chemical readings were between good and excellent.

By Isabel