

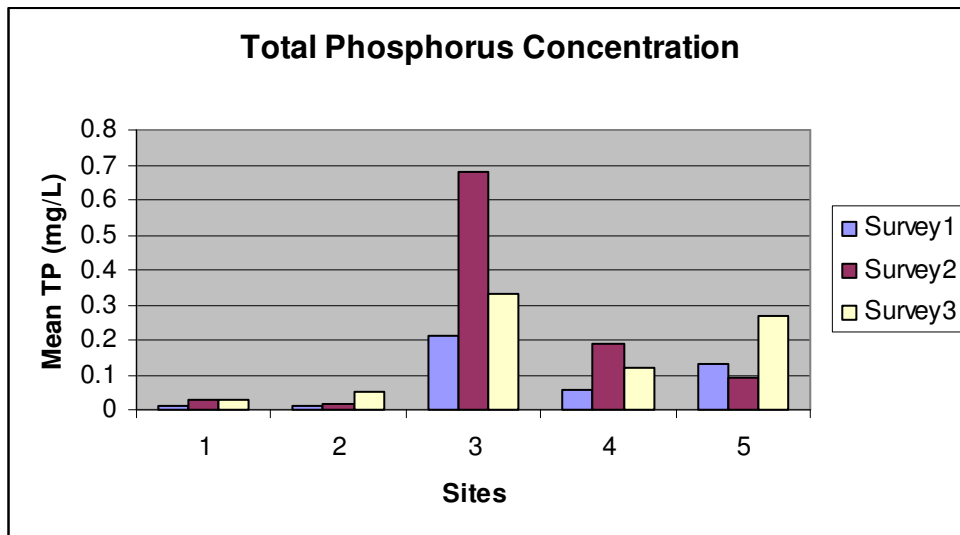
CASE STUDY: Integrated Water Cycle Management

5. Impacts of stormwater

(Before you begin this section you might like to read the general information about the *impacts of stormwater* contained in **Appendix 3**).

ACTIVITY: Analysis of phosphorus levels.

- The following graph shows the level of phosphorus found during water quality sampling at eleven locations in 1998.
- The sites were surveyed on seven different occasions but the data from only three samplings are summarised here.
- Site 1 is the junction of Porters Creek and Wyong River, site 2 is at the southern outlet of the Wetland, site 3 is near Fishburn Drain, Sites 4 and 5 are upstream of the railway.
- All sites are shown on the Porters Creek catchment map on Page 4.



(source: Wetland Web CD)

1. Find sites 1, 2, 3, 4 and 5 on the Porters Creek catchment map (page 4).
2. Stormwater from Fishburn drain at Watanobbi flows into the wetland through site 3. It then filters through a kilometre of wetland before leaving at site 2. Compare the total phosphorus from sites 2 and 3. Can you suggest why the levels of these nutrients are different at the two sites?
3. In what way does Porters Creek wetland help protect Tuggerah lake?

