

## Solutions

---

**2.1 A** Distinguish concentration from total pollutant load. Dilution can reduce concentration without removing the pollutant mass. A management plan should consider upstream causes, users and effects on other parts of the catchment.

**2.2**  $\text{load} = 3\text{mg/L} \times 200\text{L/min} = 600\text{mg/min}$ .

**2.3** False. Clear water is not necessarily safe water. Nutrient enrichment does not directly use up oxygen; the pathway includes biological activity and decomposition.

**2.4** eutrophication. eutrophication means Nutrient enrichment with ecological consequences.

**3.1** Loads 400 and 600 mg/min. B has lower concentration but greater load. Added water can dilute without removing pollutant; varying flow, concentration and sampling matter.