

WATER QUALITY, ENVIRONMENTAL MONITORING

**961 Hon RAY HALLIGAN to the minister representing the Minister for Water Resources:**

Will the minister indicate whether any environmental monitoring of water quality is being undertaken in the lakes within Wanneroo and Joondalup local government areas?

**Hon M.J. CRIDDLE replied:**

I thank the member for some notice of this question. Yes, the Wanneroo City Council is undertaking monitoring in the Jandabup, Gnangara, Mariginiup, Joondalup, Nowergup, Coogee Spring, Loch McNess, Yonderup, Wilgarup and Pipidinny wetlands. In addition, the Joondalup City Council is undertaking monitoring in the Joondalup and Goollelal wetlands. Water levels are monitored monthly in all wetlands, and water quality and invertebrates - small animals living in the wetlands - are monitored biannually.

Water quality monitoring is carried out in spring at the time of maximum water level and in summer-autumn, the time of minimum water level. In those wetlands that are dry in summer-autumn, monitoring is done when the water levels are declining but before the wetland dries out completely. Parameters that are monitored include conductivity, pH, temperature, dissolved oxygen, chlorophyll - algae, turbidity, gilvin - colour, nitrate-nitrite, ammonia, total nitrogen, orthophosphate and total phosphorous. Wetland invertebrates are also monitored.

Lake Jandabup is also monitored for iron and sulphate - information relevant to acidification - and a monthly check of pH is also carried out.