

## **Water Quality Modelling and Monitoring of Geographe Catchment**

### **Aim/Purpose:**

Purpose of the project is to develop a decision support system for the Geographe catchment. GeoCatch undertakes the monitoring of the waterways within the catchment to supply data to calibrate the model and provide mechanisms of support for landuse planning

### **Start Date:**

30<sup>th</sup> June 2006

### **Finish Date:**

31st December 2008

### **Project Partners:**

- Geographe Catchment Council
- Department of Water
- Department of Food and Agriculture

### **Project Stakeholders:**

- Landholders in the Geographe Catchment with drains and waterways
- Geographe Catchment Council
- Department of Water
- The Shire of Busselton
- South West Catchments Council
- Department of Environment and Conservation
- The Shire of Capel

### **Background:**

The program involves GeoCatch undertaking the monitoring of 20 sites spread through the Geographe Catchment. The monitoring data is then analysed and used for the DSS model for calibration, by Department of Water. This monitoring has been undertaken since February 2006.

Information on nutrient loads and concentrations, pH, salinity and other parameters is being collected as part of the sampling.

### **Main Achievements:** (to date)

- Monitoring and modelling data identifying “nutrient hotspots” within the catchment, is being used to strategically target on-ground works.

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**Photo: (see photo gallery – Biodiversity hotspot)**