

# Water Resources Licensing System

## Department of Water



**Water Resources Licensing System:** The Water Resources Licensing System (WRL) and WRL Licensing Application (WLAS) were two systems integrated together in order to assist with billing and licensing water resources. It enabled easy licence management and simpler resource management and allocation. It was also used to allocate water to various sectors of agriculture and industry and ensures the state doesn't run out of water, or wetlands aren't damaged as a result of drying out.

**Background:** The WRL system has been in operation for several years. Zoodata provided enhancements and maintenance from 2008. The system was developed using Java, Oracle Forms and Crystal Reports based, from the original designers and developed WLAS in J.java. Zoodata has been undertook upgrades, maintenance and additions until 2010

### THE BRIEF

Zoodata was engaged to provide:

- Enhancements to WRL Licensing Application System (WLAS)
- System migration to oracle 10g database
- Integration with DWAIID
- Interaction with to TRIM (to retrieve files from TRIM through application)
- Interaction with GIS viewer
- Maintenance on data linkage with other systems (eg WIN, COGNOS)
- Auditing features
- User customised reports
- Maintenance and enhancements
- Ongoing technical consultancy

### CLIENT BENEFITS

- Security
- Scalability
- Usability

- Reliability
- Maintainability
- Upgradeability

### TECHNICAL DATA

The main technologies used are:

- WRL Licensing Application System (WLAS) – to record payments associated with license applications
- ORACLE Financials – financial transactions generated at application lodgement
- DWAIID – for water allocation limits and related information
- WIN – water information database
- TRIM – DoW's document management system
- GIS Viewer – for accessing instrument information geographically
- ICMS – incident / complaint management system
- COGNOS – for corporate reporting