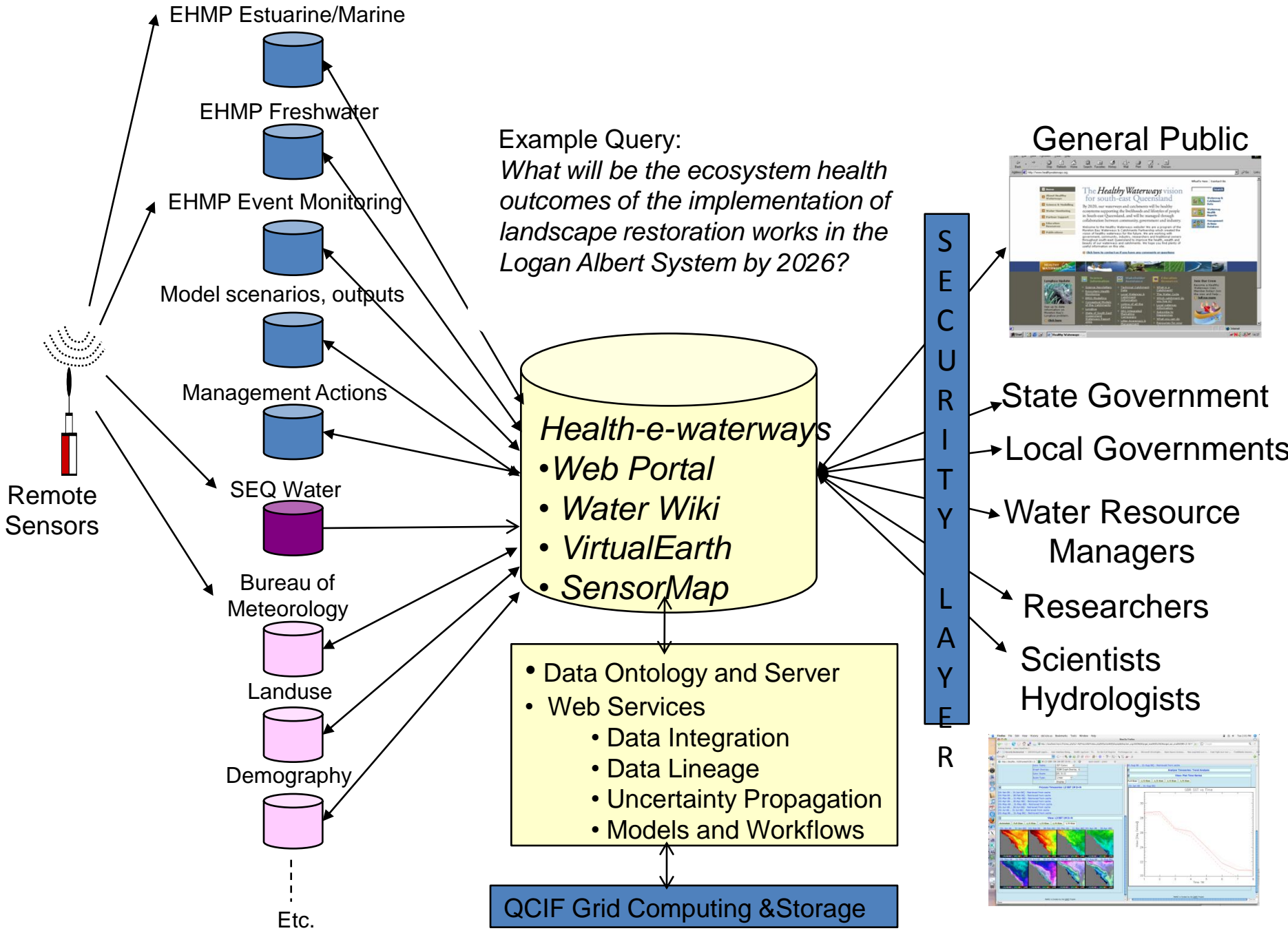


*Health-e-Waterways*  
South East Queensland



**Survey Report Progress**  
**22 February 2008**





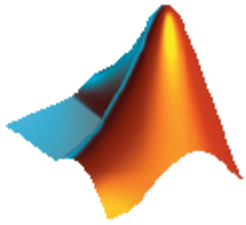
# Survey Report

- Identify key data sets and their attributes, etc
- Survey will provides the basis for development and evaluation of a common model for water data integration in SEQ
- General information
  - Custodianship
  - Physical location
  - Access agreements
  - Key Contacts
- Technical information
  - Storage format and environment
  - Schema
  - Access/Export mechanism
  - # Records
  - Frequency of access



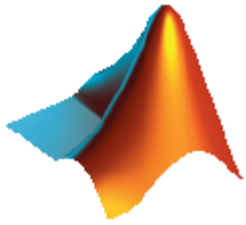
# Information Status

- EHMP – F/W at NRW
  - Urgently need agreements to be signed and finalised
  - Integration via periodic data exports
- EHMP – E/M at EPA
  - Currently documenting schema, sample data and database information
  - Integration via periodic data exports
- Event Monitoring – NRW
  - Comprehensive documentation and sample data
  - Scripts needed to extract and export the data
- Management Action – HWP
  - Comprehensive documentation and sample database
  - Direct Query or exports
- Models
  - Receiving Water, EMSS, E2
  - Many challenges for integration



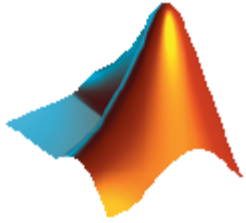
# Plot Generation via MATLAB

- Provides superior graphics rendering
- Extensive support of mathematical (statistics) equations.
- Able to create GUI based application
- Can read data from existing CSV files
- Able to perform all of the R script computations
- Stable robust and very well documented



# Reporting Using MATLAB

- Costs:
  - Licence \$3400
  - Statistics toolbox \$1600 (may not be needed)
  - Image Processing toolbox \$1600 (may not be needed)
- Feature Demo ...



# Issues wrt. MatLab

- Need to convert R scripts to MatLab files
- Need to acquire expertise in MatLab
- Accepts existing data formats
- Cost of license