



South East Catchment  
Water Management Board



# ***SOUTH EAST CATCHMENT WATER MANAGEMENT BOARD***

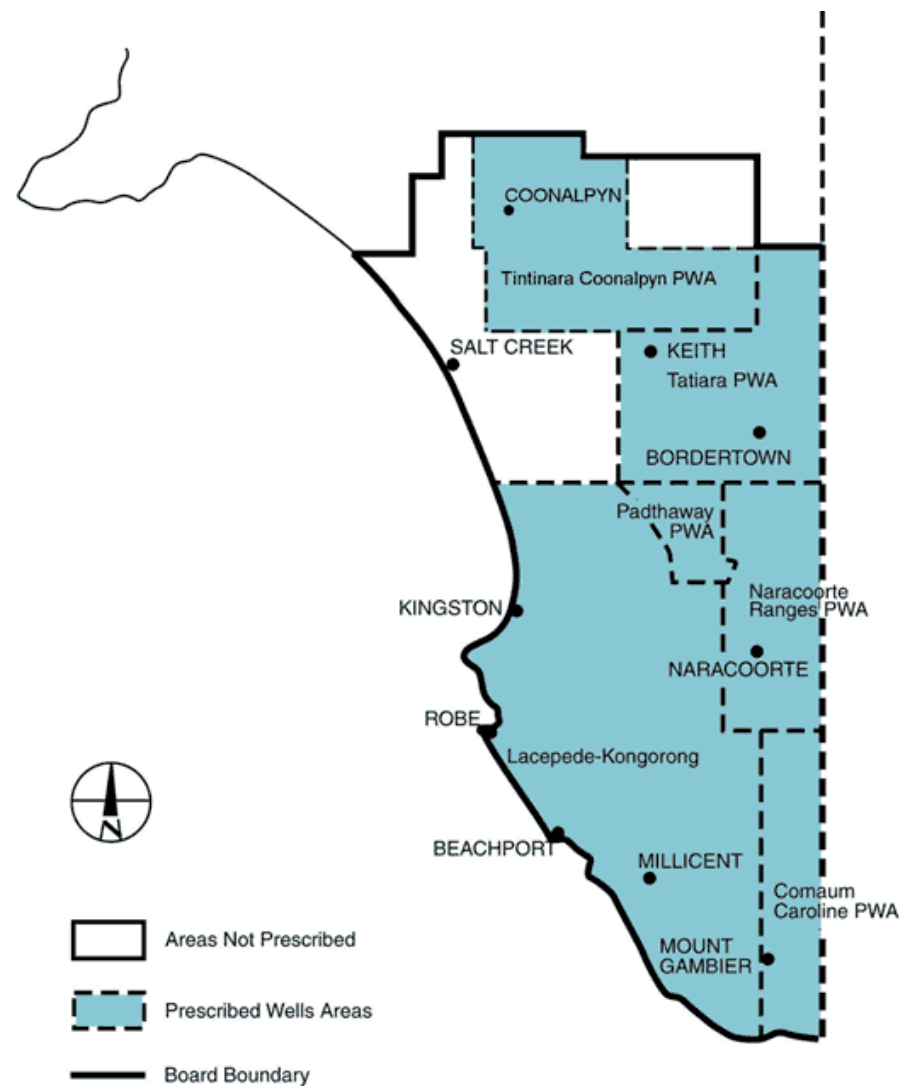
## ***Management Directions of The South East Catchment Water Management Board***





## ***ROLE OF THE SECWMB***

- **Catchment Management Plan**
- **Water Allocation Plans**
- **Specific Project Work**







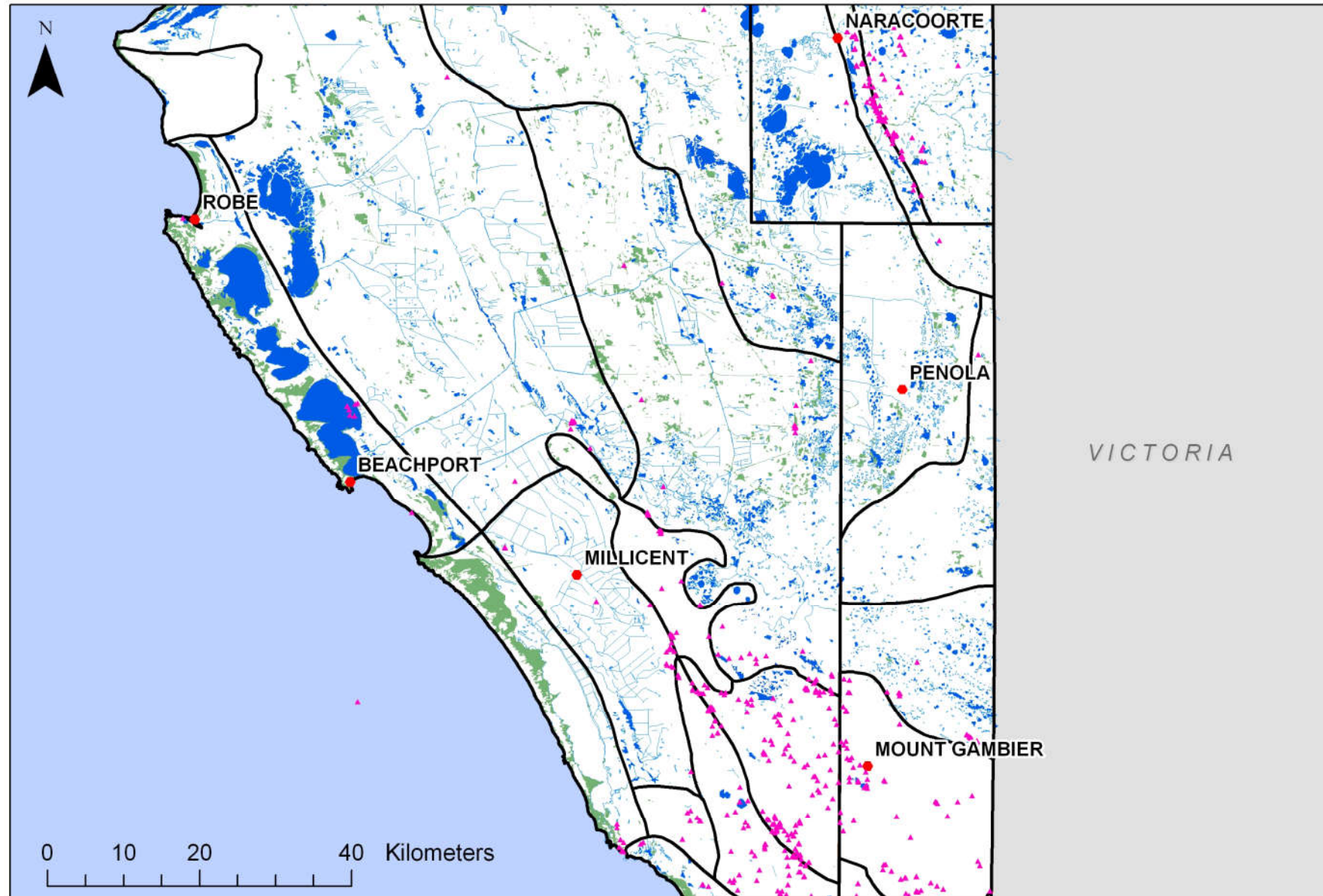
***PADTHAWAY  
PWA***



## ***Identification & Protection of Groundwater Dependent Ecosystems***

- ***Review of existing knowledge of the ecology of GDEs – URS 2000***
- ***Ecosystems were classified:***
  - ***Wetlands***
  - ***Streams/Drains***
  - ***Phreatophytes***
  - ***Karst***
- ***Ecosystems were further classified into land units and thresholds identified***
- ***Information translated into the Water Allocation Plans***
- ***Policy Basis – if a threshold is exceeded then whole or part of the allocation will not be granted***

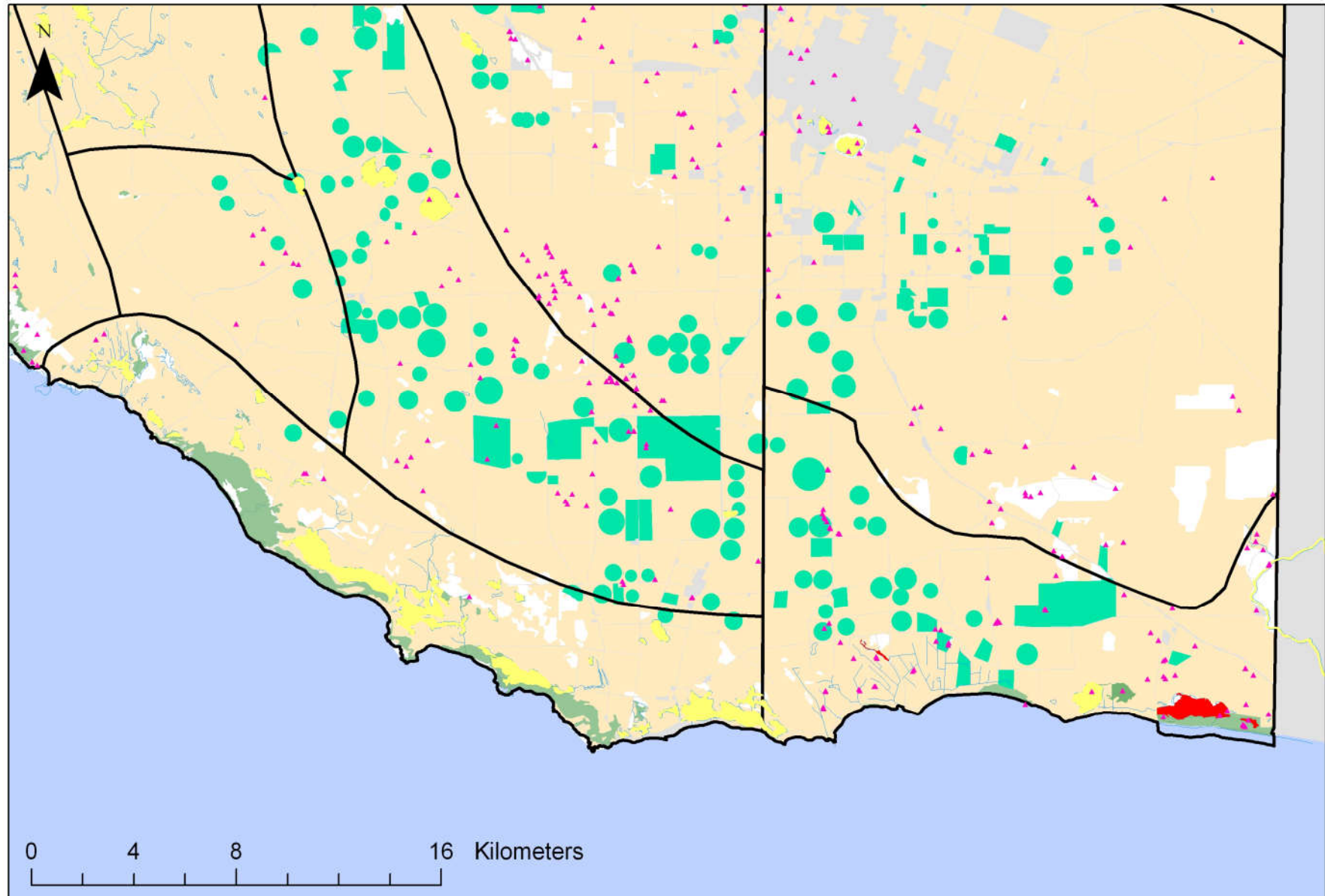






## ***WAP Revision – Prioritising GDEs***

- Current policy direction very 'broad brush approach'***
- Considers all GDEs equal – no priorities set***
- Lack of monitoring/on-ground data to implement policy***
- Review GDEs throughout the South East setting priority areas***
- Develop a policy direction to ensure implementation and protection***
- Undertake on-groundwork to develop data sets/monitoring***
- Significant part of the review is developing methodology to prioritise ecosystems:***
  - Level of Dependency***
  - Vulnerability***
  - Uniqueness***
  - Impacts/threats***
  - Health***







# ***Assessing Dependence on Groundwater of Nearshore Marine Ecosystems in South East of South Australia***

***•Flinders University – Prof. Peter Fairweather  
Student Rohan Henry***

***•3 year study, 1<sup>st</sup> year completed***

## ***OBJECTIVES***

***•Near shore marine ecosystems wholly or  
partially dependent on discharge of  
groundwater***

***•Define groundwater requirements***

***•Threats in relation to groundwater use or  
management***

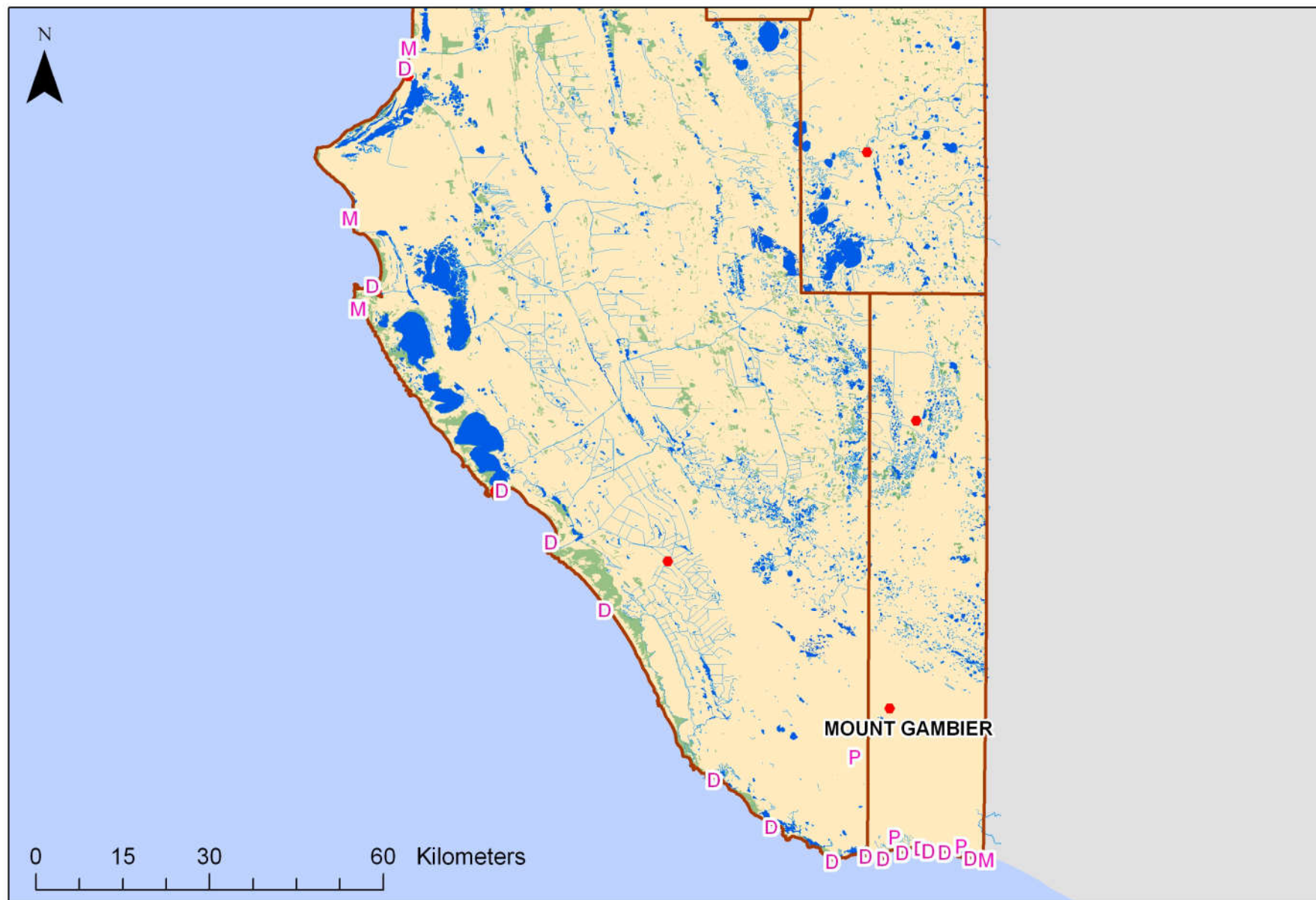






## ***Ecological Sampling – Beaches, estuaries, seagrass meadows & rocky seashore***









## ***Rehabilitating Aquatic Groundwater Environments***

- Provide funding to rehabilitate important karst sites, encompassing caves, sinkholes and rising springs***
- Involve the community in the on-ground restoration of importance environments***
- Community awareness program***
- High-profile demonstration of the importance of protecting groundwater-sources aquatic ecosystems***

**SENRC**

**EPA**

**DEH**

**ZERO WASTE**

**SECWMB**



# ***SOUTH EAST CATCHMENT WATER MANAGEMENT BOARD***

- Managing ecosystems throughout the region and infringing development, primarily from the Boards point of view, groundwater use***
- Management: WAPs, local and regional plans and monitoring and evaluation strategies***