



State NRM M&E Imperatives

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Imperatives

Many drivers for M, E & R:

- State NRM Act 2004
 - State NRM Plan & regional Comprehensive NRM Plans
- State of Environment
 - State, National
- Bilateral Agreements
 - NAPSWQ, NHT 2
- International Agreement





Reporting & evaluation drivers

- Data base has collected 163 drivers related to biophysical monitoring
- Example [Turbidity/water clarity](#)



Government of South Australia

Department of Water, Land and
Biodiversity Conservation



Need for Rationalisation

- Scale
 - Spatial, time
- Gaps & Overlaps
 - Monitoring, Indicators
- \$\$\$\$
- Rationalisation based on sound principles
 - Measure once, report many
 - Cost Effective, effort efficient





Linkage to today

- Rationalisation of all the drivers could be an interesting research exercise in itself – not posed as a topic today but might interest some
- Today's working groups:
 - Small selection of regional and DWLBC people asked to make suggestions for working groups
 - Topics mainly generated from M&E issues to do with State NRM Plan and NAP & NHT2 programs





Turbidity/water clarity

- linked to 4 drivers and 17 monitoring activities.
- Drivers:
 - Marine Planning Framework for South Australia
 - National State of the Environment Report
 - National Water Quality Management Strategy
 - South Australia's State of the Environment Report



Monitoring Activity/data

- Ambient water quality of Boston Bay (Coastal & Estuarine WQ Program)
- Ambient water quality of Coffin Bay (Coastal & Estuarine WQ Program)
- Ambient water quality of Gulf St Vincent Coastal Waters
- Ambient water quality of Nepean Bay KI (Coastal & Estuarine WQ Program)
- Ambient water quality of Northern Spencer Gulf
- Ambient water quality of Venus Bay (Coastal & Estuarine WQ Program)
- Aquaculture industry annual environmental monitoring programs
- Assessing broadscale water quality in Spencer Gulf
- Coastal and Estuarine water quality of Cygnet Estuary (KI)
- Coastal and Estuarine water quality of Inman Estuary
- Coastal and Estuarine water quality of Onkaparinga Estuary
- Coastal and Estuarine water quality of Patawalonga Lake
- Estuarine Water Quality Monitoring Program
- Impact of stormwater on water quality from Barcoo outlet
- Metro Bathing Water Survey
- Recreational water quality
- West Lakes and Port Lincoln Marina Water Quality Monitoring Program

