

## Background to REMPs

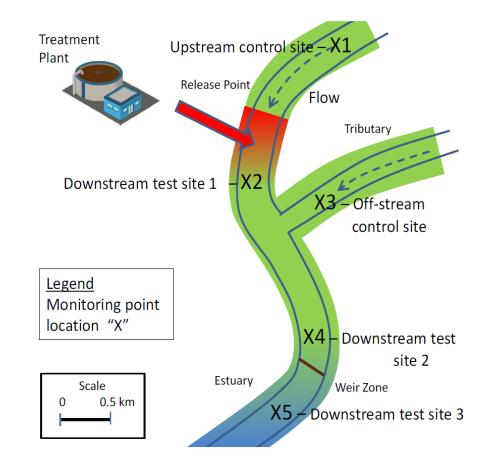
- Large industries in Qld are regulated under the Environmental Protection Act 1994 and require an Environmental Approval to operate.
- A <u>Receiving Environment Monitoring Program</u> (REMP)
   often required if potential impact on water quality.
- Many regulated activities have REMPs.
- Focus often on releases to surface water. Groundwater REMPs common also.
- Often the only water quality information available in some locations.

Purpose of REMP data?

Compliance check?

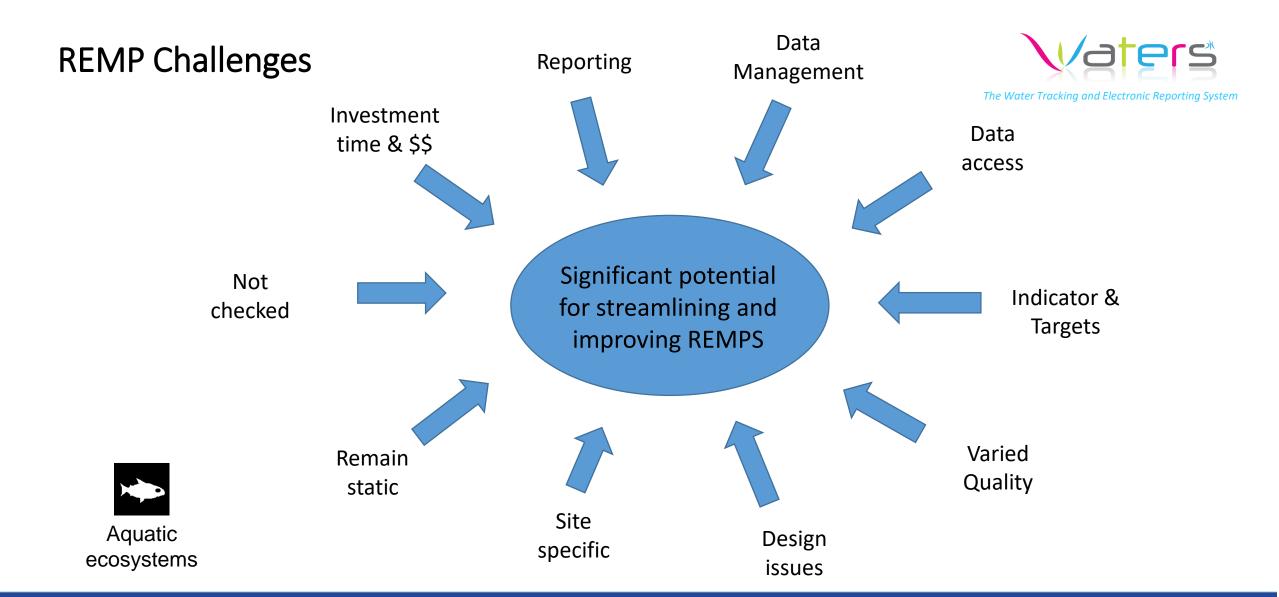
Are limits adequate?

Expand facility?







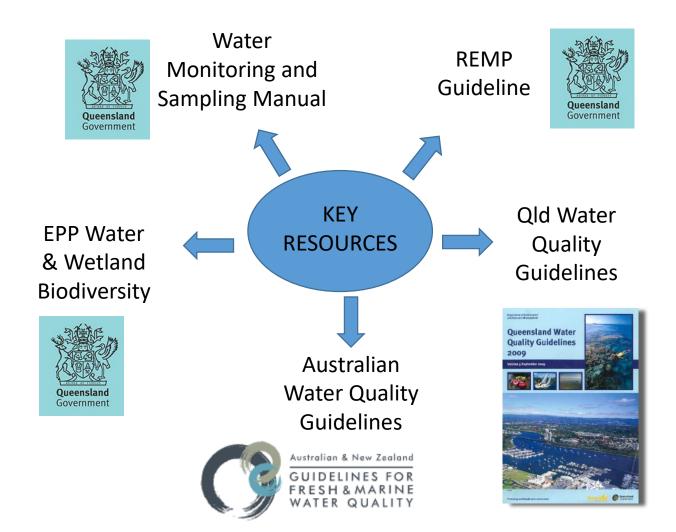






### Key REMP design considerations:

- Clear Objectives why monitor?
- Relevant indicators WQ, sediment, biological?
- Suitable monitoring locations
- Adequate sample timing and frequency
- Correct sampling & analysis methods
- Relevant Water Quality Objectives& Guidelines for assessment









# Strategy for improving REMPs



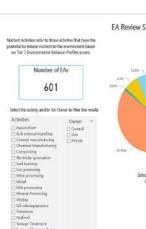
Science

Changes to Approval Conditions?

Technology



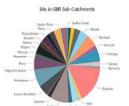
The Water Tracking and Electronic Reporting System



#### EA Review Summary for Nutrient Activities

EAs in the GBR Catchment ● Cape York

Power BI







Department of Environment and Resource Management

National Information Management

Water Quality Metadata Guidelines

Protocols for Water Quality Monitoring



# Thank you

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