



ALL SAP MEETING | 5 & 6 JUNE 2018

Risk Assessment

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Overview

- Risk management
- Basin Plan requirements
- Stakeholder feedback from SAPs, including MDBA
- Re-worked risk assessment
- Alignment with other planning process

Risk management

Continuing to advance

- Risk assessments not a new process in NSW
- Assists in management
 - Prioritise highest levels of risk, directs time and effort
- Developed through peer reviewed process
- Basin Plan requirements included in a framework



Basin Plan requirements

Chapter 10, Part 9 “...have regard to current & future risks to the condition & continued availability of the water resources...”

Assess a range of risk types, including:

- Capacity to meet environmental watering requirements and insufficient water for the environment
- Productive base of groundwater - structural damage, change in hydraulic relationships
- Potential interception activities
- Insufficient water available or not suitable for consumptive and other economic uses



Basin Plan requirements

Chapter 10, Part 9 ...cont'd

- Medium or high risks must be addressed in a manner commensurate with the level of risk
- Explain why a risk cannot be addressed by the Water Resource Plan in a manner commensurate with the level of risk
- Tolerable risk results – those high or medium risk results NSW considers are acceptable or adequately managed by existing water resource management strategies

Stakeholder feedback

Feedback from SAPs, including MDBA

- Requested improved clarity around data, methods, outcomes
- Improved lines of sight between each risk outcome and mitigation
- Improved presentation of information – suggested examples from MDBA
- Streamline terminology and linkages with assets and functions and Long Term Watering Plan
- Clearer information on connectivity between Water Resource Plan Areas and Sustainable Diversion Limits units

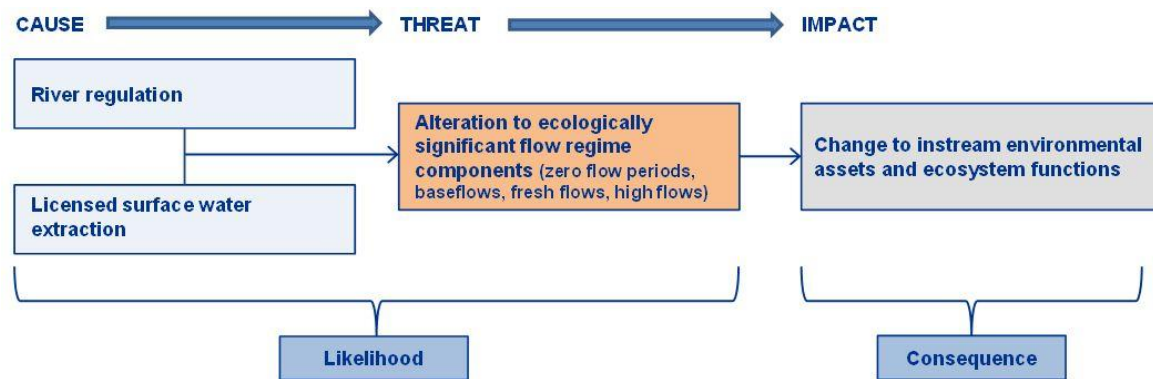


Re-worked risk assessment

Addressing feedback from stakeholders

- Alignment between surface water and groundwater risk assessment frameworks

- Define risk pathways



- Risk treatment options

- Improve knowledge, adjust/implement strategy, develop new strategy

- Strategy summary table aligns – Water Sharing Plan, Water Quality & Salinity Management Plan, Long Term Watering Plan objectives

Final risk assessments

Consolidated risk table

- Brings everything into the one place – “line of sight”
- For each river reach/water source:
 - Consequence, likelihood, outcome and data confidence
 - Identifies any tolerable risks
 - Identifies the existing water management actions and mechanisms and which risk treatment was applied

Alignment with other planning processes

- Key input into the issue assessment process and option development
- Risk assessment outcomes have been discussed in SAPs
- Any new Water Sharing Plan rules consistent with Water Sharing Plan objective setting process and Monitoring Evaluation and Reporting
- Strategies and water management actions provide clear line of sight with Long Term Watering Plan, Basin Plan clauses and relevant Water Sharing Plan objectives
- Available to broader community at public exhibition