



Asset Management Framework

Corporate support and enabling functions

- Finance
- Legal
- People and capability
- Risk and compliance
- Corporate governance
- Corporate performance
- Information management
- Organisational leadership
- Procurement
- Communications
- Research science and technology

Strategic Objectives

- Legal and regulatory requirements
- Strategic Plan and Sustainability Charter
- Customer and community requirements

Direction and Strategic Alignment

- Asset Management Policy
- Asset Management Strategies
- Asset Management Levels of Service
- Asset Management Compliance Framework
- State Interest Submissions

System Master Planning and Investment Profile

- Integrated Master Plan
- Water Security Program
- Asset Portfolio Masterplan
- Strategic Asset Investment and Revenue Profile (30 Year)
- Sub-Regional Regulatory Submissions

Validation, Planning and Investment Commitment

- Planning Reports
- Asset Management Plans
- Asset Class Maintenance Plans
- Implementation and Disposal Business Cases
- Asset Investment & Funding Plan
- Implementation Program Delivery Strategy
- Tactical Maintenance Plans

Implementation

- Program Procurement Strategy
- Program Delivery Plan
- Project Management Plans
- Executed Contracts

- Operational Acceptance Certificate
- Project Close Out Reports
- Program Delivery Performance Assessment

Operations and Management in Use

- Asset Inventory
- Compliance Registers
- State of the Assets Reports
- 3rd Party Consents and DBYD
- Annual Operating Plan

- Asset Condition & Criticality Assessments
- System & Asset Performance Reports
- Benefits Realisations Reviews
- Scheduled & Corrective Maintenance Deliverables

Asset management practice

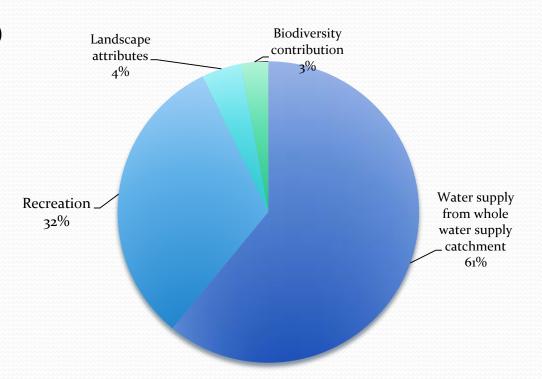
- Tools
- Templates
- Guidelines
- Standards
- Procedures
- Asset information
- Project
 Management
 Framework
- Program review, reporting and re-baselining
- Program governance
- Program prioritization toolbox
- · Risk register
- Glossary of terms

Organisational benefits

Catchment Land Management Strategy: Annual Benefit From Catchments (base case)

Annual Benefits (direct and indirect) from Catchments

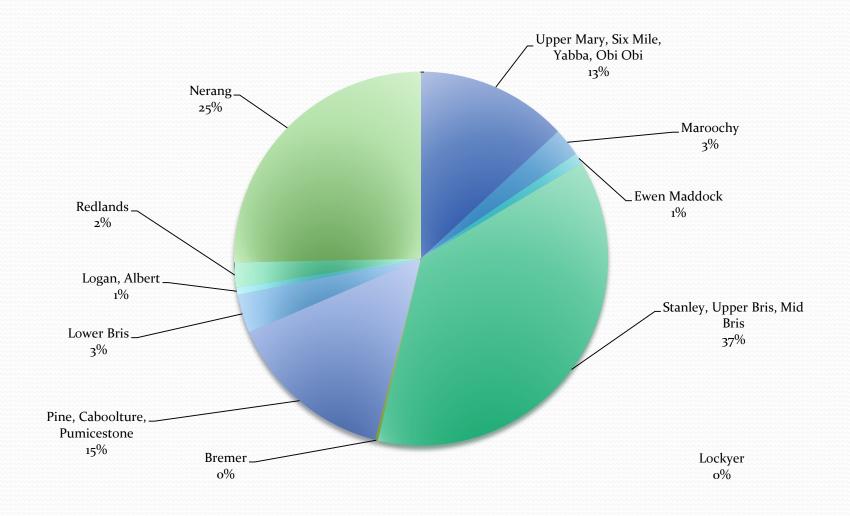
Types of benefits	Value	
	\$ million	
Raw water supply from catchment ²	161	
Recreation	84	
Landscape attributes	11	
Biodiversity contribution	8	
Total benefits	264	



¹ It is important to note that there are gaps in the data used to develop these estimates. Identifying these have informed actions in the Strategy.

² Consistent with appropriate methodologies to value this benefit, a replacement cost approach has been used. Costanza et al. (1997), Barbier (2007), Elsin et al. (2010) and Al Appleton pers. comm.

Distribution of Water Supply Benefits



North Stradbroke Island - Actions Register

Offtake	Threat/ Opportunity category	Threat/ Opportunity	Action ID	Action Name	Action Description
All	Wildfires	Wildfire damage to built and natural assets	0001	Review and update the Fire Management Plan for North Stradbroke Island	Review and update the existing Fire Management Plan/Strategy for NSI. Strategies should be developed that act to manage the risk profile on Seqwater land holdings in particular around bores, borefields and other built infrastructure. Liaise with RCC & other applicable stakeholders such as QPWS, DNRM, Sibelco and the Quandamooka People, regarding fire management and development of the management plan.
All	Saltwater intrusion	Assess risk of saltwater intrusion	0002	Assess risk of saltwater intrusion from groundwater extraction	Through research and investigation, identify the limits for groundwater extraction to prevent intrusion of seawater into the freshwater aquifer.
All	Wildfires	Wildfire damage to Seqwater built assets	0003	Reduce the potential for wildfire to occur	Continue to conduct regular maintenance of vegetation on Seqwater land, including around the North Stradbroke Island, Amity, Dunwich and Point Lookout WTP and all access trails. Focus on controlling fuel loads. Also conduct vegetation maintenance around the 15 bores that make up the central bore field and the Herring Lagoon intake.
Herring Lagoon	Wildfires	Herring Lagoon Fire Hose	0004	Install a fire hose at Herring Lagoon	Consider installing a fire hose at the Herring Lagoon pump station. Set up the fire hose system so that it draw water from the Lagoon in the event of a fire breaking out at or around the pump station.
All	On-site Wastewater Treatment Systems (OWTS)	Contamination from effluent seepage/runoff	0005	Monitor groundwater for parameters related to OWTS effluent discharges	Include in the groundwater quality monitoring program for the North Stradbroke Island, parameters that highlight potential contamination from OWTS effluent seepage. These would include nutrients and pathogens.
Northern & Southern bore fields, Herring Lagoon	Water supply	Reliance on groundwater as a water supply	0006	Investigate the opportunity to rely 100% on groundwater reserves	Investigate the opportunity to rely 100% on groundwater resources as the source of water for routine operations. Ensure that the Herring Lagoon water supply option is kept in place in case of an emergency.
All	Roads & Infrastructure	Contaminant runoff from unsealed roads	0007	Identify unsealed roads with a high risk of contaminant runoff/transport	Identify unsealed roads on the island that have a high risk of transporting contaminants (oils, grease, sediment) into surface water. Focus on roads upstream of surface waters.
All	Wildfires	Fire break assessments	0008	Conduct on ground fire break assessments	Conduct an on the ground assessment of all fire breaks on North Stradbroke Island. Include location and condition data of these fire breaks in the GIS system. Where requested provide mapping to relevant stakeholders.
All	Recreation	Recreation on Seqwater land	0009	Manage recreation on Seqwater land	Through the Recreation Management Framework and master planning process continue to identify and mitigate recreation activities on Seqwater land that pose a risk to water quality.
All	Native vegetation	Vegetation cover	0010	Improve vegetation cover on both Seqwater and non- Seqwater land	As per the Seqwater Operational Plan 2012-13, set and achieve targeted improvements to vegetation cover (% hectares) on both Seqwater and non Seqwater land.
	1	1		I	