



Waterways Management Program

2018 - 2022

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GCWA Waterways Management Program 2018-2022

The Gold Coast Waterways Authority was created in December 2012 by the *Gold Coast Waterways Authority Act (2012) (The Act)*. The Act requires the Authority to prepare a 10-year *Waterways Management Strategy* (Strategy) and an annual *Waterways Management Program* (Program) that provides a rolling 1+3-year investment plan. The Authority is required to consult on both the Strategy and the Program. Investment under the Program must be consistent with the Strategy.

As per section 19 of the Act, specifically the Program must include:

- a) *The policies and financial measures for implementing the waterways management strategy;*
- b) *The performance targets to be achieved;*
- c) *Details of the projects to improve and maintain navigational access to Gold Coast waters and to develop and improve public marine facilities;*
- d) *Details of measures to be taken to implement and monitor compliance with a waterways management regulation made under the Transport Infrastructure Act 1994 to the extent the regulation applies to Gold Coast waters.*¹

Following community engagement and feedback on the draft Strategy in September 2013, the 10 year Gold Coast Waterways Management Strategy 2014-2023 was released on 5 March 2014. The following factors have informed the development of this Program and the selection of the projects listed in **Table 2**:

- The objectives and strategic outcomes outlined in the Strategy
- The key actions identified to achieve these objectives
- Ongoing consultation with the community and Council

The Authority has established internal governance policies and financial measures to ensure appropriate oversight of both capital project and operational investments.

Gold Coast Waterways Management Strategy 2014-2023

The investments detailed in this Program fall under the following three Strategic Outcomes:

Sustain – continue to make sure that the waterways are well planned and maintained so that those who use and enjoy the waterways can do so safely and responsibly and so that the waterways remain an important asset for current and future businesses, visitors and residents to enjoy.

Enhance – improve the waterways so that all those who want to use the waterways can do so and that the capacity of the waterways is increased efficiently and sustainably so it keeps pace with demand.

Promote – promote the waterways so that everyone appreciates and is encouraged to use our unique waterways. Responsible enjoyment and use of the waterways is promoted, based on the best research and in coordination with related plans.

¹ *Gold Coast Waterways Authority Act (2012) section 19 (2)*

Waterways Authority funding & investment

In order to meet the objectives of the Strategy, the Gold Coast Waterways Authority requires an annual commitment of funding from the State Government to achieve the delivery of capital investments and operational projects. This annual funding includes allocations for operational project expenses, including salaries, supplies and services as well as an allocation for Capital investment. Investments proposed for the next four years are shown in **Table 2**.

Table 1 below shows the annual summary of funding for the next four years. Funding for years 2018/19 to 2021/22 has been confirmed in this year's state budget process.

Table 1 Funding and Investment Summary 2018-22

	Approved	Indicative	Indicative	Indicative	
(\$000)	2018/19	2019/20	2020/21	2021/22	Total
Funding Allocation	7,050	7,650	6,100	6,100	26,900
Est. Carry forward from previous year	3,340	0	0	0	3,340
Total Investment ¹	10,390	7,650	6,100	6,100	30,240

Notes

1 As detailed in Annex A – Table 2

Implementing the Strategy through the Program

This section highlights the key Waterways Management issues and investment opportunities that have been considered in preparing this Program. The headings summarise:

- What the Program will deliver for Gold Coast waterways users and the community; and
- How the Program aligns with the investment criteria and objectives of the Strategy.
- Please note: the Strategy covers a longer time span (10 years versus 4 years) and parts of it will be addressed by future Program years.

The Authority continues to maintain a dedicated Project Delivery Unit (PDU) with a suitably qualified team of Project Managers to ensure that the Authority has the capability to deliver the Program and is ready to respond to other major projects as they emerge.

Project investments identified in the Program seek to provide the best value for money for Government and the community by sourcing efficient and effective procurement practices and delivery methodologies.

In developing the Program, the Authority has prioritised investments to meet the following key objectives and actions in the Strategy:

What the Program Delivers:

Sustain

Strategy Criteria	How the Program delivers Sustain Strategy Actions
1.1, 1.2, 1.8 & 1.9	Maintain Navigation channels, Destinations, Marine Infrastructure & Navigational Aids <ul style="list-style-type: none"> Keeping the navigation channel and destinations network safe and available through 7 maintenance dredging projects across 4 years (\$5.395M) Ongoing Navigational Aid servicing via a continuous preventative maintenance program (\$200K) Removal of abandoned watercraft and property from the waterways (\$280K) Ongoing routine Hydrographic Survey program and of the waterways to monitor channel depths and respond where required (\$400K) Development and management of a dedicated dredge spoil management facility at Coomera to compliment the dredging works program (\$2.075M) Maintaining and upgrading Marine Infrastructure in conjunction with City of Gold Coast (\$2.31M) Undertaking hydrodynamic studies of the West Crab Island Channel and the Jumpinpin Entrance to ensure that dredging projects are planned using sound scientific assessment (\$190K)
1.3	Maintain and Improving the Gold Coast Seaway - the Sand Bypass system (SBS) <ul style="list-style-type: none"> Allowances for ongoing preventative maintenance and upgrades of the Seaway Sand Bypass System (\$3.16M) Upgrade the Sand Bypass System Jetty Deck to ensure maintenance of the 10 jet pumps can be undertaken into the future (\$3.35M) Funding invested to review the stability of the Seaway to ensure its ongoing operation (\$80K)
1.4, 1.5, 1.7	Waterways Management <ul style="list-style-type: none"> Manage moorings, marinas & anchorages efficiently Implementation of a Camera Surveillance Network for waterways behavioural monitoring (\$300K) Prevent and if necessary respond to marine pollution Continual maintenance and improvements to GCWA vessel fleet (\$290K)
1.6	Protect the environmental Values <ul style="list-style-type: none"> Working with environmental authorities to protect and manage waterways environmental values by conducting and funding research into the environmental effects of dredged areas through the Scientific Research and Management Program and the Sand Management Plan (\$800K) Installation of an artificial osprey nesting platform at the entrance to Currumbin Creek (\$50K) Development and implementation of a Strategic Offset Plan involving the installation of environmentally friend buoy moorings, beneficial reuse of dredged sediment for habitat creation and the creation of koala habitat (\$1.25M)

Enhance

Strategy Criteria	How the Program delivers Enhance Strategy actions
2.1	<p>Complete the channel network with new dredging projects and improved navigation aids</p> <ul style="list-style-type: none"> Enhancing the navigation channel network through 7 new capital dredging projects across 4 years (\$7.23M)
2.2	<p>Manage space on the waterways to balance the needs of all users in a way that protects the environment and maximises the recreational and commercial benefits</p> <ul style="list-style-type: none"> Implementation of the Canal Navigational Access Investigation project data for use in Managing Canal water allocations Develop and implement a strategic statutory Waterways Management Plan (\$450K)
2.3 – 2.4 & 2.5	<p>Identify, encourage and provide new and improved public waterways access facilities, anchorages and destinations</p> <ul style="list-style-type: none"> Collaboration with the City of Gold Coast in planning and providing new destinations such as a new public pontoon at Alberton (\$200K) Upgrade of an existing public pontoon at Paradise Point (\$180K) and 3 existing boat ramps at Oxenford (\$450K), Alberton (\$250K), Jacobs Well (\$620K) and Steiglitz (\$450K) Implementing ongoing infrastructure improvements to Doug Jennings Park (\$1.4M) Perform a strategic evaluation / Demand Study for a Pontoon in Broadbeach (\$25K)
2.6	<p>Support and encourage businesses related to the waterways</p> <ul style="list-style-type: none"> Perform a Strategic Evaluation / Demand Study for a pontoon in Broadbeach (\$25K) Investigate the creation of an Underwater Sculpture Museum in the Broadwater (\$10K)
2.7	<p>Improve efficiency of the Sand Bypass System</p> <ul style="list-style-type: none"> Implementing the first stage of the Sand Bypass System Renewable energy project with the installation of 100kw of solar panels to supplement the systems energy usage (\$300K)
2.8	<p>Ensure that the Gold Coast Waterways Authority is flexible and ready to respond to other major projects as they emerge</p> <ul style="list-style-type: none"> Continuing capacity and capability building within the dedicated Program Delivery Unit (PDU), with utilisation of a suitably qualified Project Management Team to ensure successful project delivery Implementation and continual improvement of a Best Practice Project Management Framework and project delivery processes An ongoing funding allocation for Planning and Innovation related projects (\$200K) Undertake LiDAR Survey of the Broadwater to the Coomera River (\$160K)

Promote

Strategy Criteria	How the Program delivers Promote Strategy actions
3.1 – 3.4	Promotion and Communication of the waterways
	<ul style="list-style-type: none"> • <i>Ensure stakeholders are appropriately engaged to promote relevant and tangible benefits for waterways users, by implementation of the GCWA – Consultation and Stakeholder Engagement Strategy (CASES)</i> • <i>Continue to establish partnerships and collaborate with Gold Coast Tourism and Tourism and Events Queensland, and support and encourage events that include a higher profile focus on the waterways</i> • <i>Awarding funding grants or sponsorships to community groups which contribute to promotion and management of the waterways (\$80K)</i> • <i>Inform and educate the community about the waterways via education campaigns, advertising and maintaining the interactive Gold Coast Waterways Authority’s Website and Social Media feeds, with a focus on outcomes of consultations, news reports and waterways information, Convene Waterways Management Symposiums and attend annual boating shows and Marine Expos (\$60K)</i> • <i>Ensure value for money by initiating and supporting research that promotes and improve understanding of Gold Coast waterways issues and management options through the Scientific Research and Management Strategy, the Science and Innovation Advisory Committee and collaborative partnerships, through the Scientific Research and Management Program (SRMP), (\$800K over 4 years)</i>

Annex A

Table 2 Proposed Project Investments 2018-22

Project	Investment (\$)	Approved	Indicative		
		2018/19	2019/20	2020/21	2021/22
		Year 1 (\$)	Year 2 (\$)	Year 3 (\$)	Year 4 (\$)
CAPITAL AND OPERATIONAL PROJECTS					
Alberton Boat Ramp Upgrade	250,000		250,000		
Alberton Pontoon	200,000	200,000			
Broadwater LiDAR Survey – Gold Coast Bridge to Coomera River	160,000			160,000	
Cabbage Tree Point Boat Ramp Facility Upgrade	450,000			450,000	
Canaipa Passage Dredging 18/19	600,000	600,000			
Canaipa Passage Dredging 21/22	600,000				600,000
Coomera Dredge Sediment Management Facility	2,045,000	2,045,000			
Coomera Dredge Sediment Management Facility Maintenance	30,000		10,000	10,000	10,000
Coomera River Dredging - Downstream (Op)	760,000	760,000			
Coomera River Dredging - Upstream (Cap)	2,395,000	2,330,000	65,000		
Doug Jennings Park Ongoing Infrastructure Improvements	600,000			600,000	
Doug Jennings Park Infrastructure Improvements - Stage 4	800,000	800,000			
Hydrographic Survey Program - Routine	400,000	100,000	100,000	100,000	100,000
Jacobs Well Dredging 20/21	1,000,000			1,000,000	
Jacobs Well Boat Ramp Upgrade	620,000		70,000	550,000	
Jumpinpin Channel Hydrodynamic Model Study Ch 20000 to 24000	140,000			140,000	
Jumpinpin Channel Dredging Project Ch 20000 to 24000	950,000				950,000
Labrador Channel Dredging Ch 2800 to 3800 - Stage 3	335,000	335,000			
Main Channel Dredging Project (Ch25000 to Ch 27000 and Ch18400 to 18800)	1,100,000		1,100,000		

Project	Investment (\$)	Approved	Indicative		
		2018/19	2019/20	2020/21	2021/22
		Year 1 (\$)	Year 2 (\$)	Year 3 (\$)	Year 4 (\$)
Marine Infrastructure - Minor & Emergent Fund	160,000	40,000	40,000	40,000	40,000
Nerang River Dredging (Evandale / TSS)	950,000				950,000
Nerang River Dredging (Upstream of Ross St Bridge)	550,000				550,000
North Channel Dredging 21/22 (Ch1100 to Ch8500)	1,000,000			200,000	800,000
Currumbin Osprey Nesting Platform	50,000	50,000			
Oxenford Pacific Highway Boat Ramp Upgrade	450,000			450,000	
Paradise Point Pontoon Upgrade	180,000	180,000			
Sand Bypass System - Extend Slurry Line Outlet	900,000			900,000	
Sand Bypass System - Green Energy Implementation Stage 1	300,000	300,000			
Sand Bypass System - Shed Extension	30,000		30,000		
Sand Bypass System - Jetty Protective Coating Services	740,000	160,000	160,000	210,000	210,000
Sand Bypass System - Major Maintenance & Renewal Fund	290,000	40,000	50,000	100,000	100,000
Sand Bypass System - HV Switching Gear Upgrade / Replacement	1,160,000		1,160,000		
Sand Bypass System - Compound Hardstand Renewal	40,000		40,000		
Sand Bypass System - Jetty Deck Upgrade	3,350,000	1,500,000	1,850,000		
Seaway Training Wall Stability Review	80,000	80,000			
South & SWI Channel Dredging 19/20	935,000		935,000		
West Crab Island Channel - North End Dredging Hydrodynamic Study	50,000	50,000			
West Crab Island Channel Dredging CH2700 to CH6200	500,000		500,000		
West Crab Island Channel Dredging CH6200 to CH9000 (Northern End)	950,000				950,000
PLANNING AND INNOVATION					
Broadbeach Pontoon - Strategic Evaluation / Demand Study	25,000		25,000		
Community Grants and Sponsorship	80,000	20,000	20,000	20,000	20,000
Offset Investment Project - Koala Habitat	500,000		500,000		

Project	Investment (\$)	Approved	Indicative		
		2018/19	2019/20	2020/21	2021/22
		Year 1 (\$)	Year 2 (\$)	Year 3 (\$)	Year 4 (\$)
Offset Investment Project - Marine Plants (Environmentally Friendly Buoy Moorings)	300,000		100,000	100,000	100,000
Offset Investment Project - Marine Plants (Beneficial Reuse)	450,000			450,000	
Planning and Innovation Projects	200,000	50,000	50,000	50,000	50,000
Scientific Research & Management Program (SRMP)	800,000	200,000	200,000	200,000	200,000
Waterways Management Plan	450,000	50,000	100,000	100,000	200,000
Waterways Management Symposium	60,000	60,000			
WATERWAYS MANAGEMENT					
Camera Surveillance Network - Behavioural Monitoring Project	200,000	50,000	50,000	50,000	50,000
Behavioural Monitoring Cameras Procurement Project	100,000	100,000			
GCWA Business Improvements Fund	205,000	55,000	50,000	50,000	50,000
Nav Aids – Major Maintenance & Renewal Fund	200,000	50,000	50,000	50,000	50,000
Vessel Improvement Fund	270,000	95,000	75,000	50,000	50,000
Vessel Major Maintenance Fund	20,000	20,000			
Watercraft and Property Removal	280,000	70,000	70,000	70,000	70,000
Total	30,240,000	10,390,000	7,650,000	6,100,000	6,100,000



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