

## REEF TRUST PARTNERSHIP - PROJECT LIST

More than 300 projects are currently underway across the Reef. A detailed breakdown of completed and current projects across water quality, crown-of-thorns starfish control, reef restoration and adaptation science, Traditional Owner reef protection, community reef protection and integrated monitoring and reporting is detailed below.

### WATER QUALITY PROJECT SUMMARY

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Completed?</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
Conservation	WQ-CP-001 - SCYC - Gravel Roads Annan Catchment	\$1,400,000	1/12/2021	30/06/2024	IN PROGRESS	This pilot project on gravel road erosion in the Annan catchment is a partnership between SCYC, Cook Shire Council and Traditional Owners. This three year project's objective is to monitor and measure the distribution and magnitude of soil erosion caused by status-quo machine activity along pilot road segments and develop and implement road BMP to reduce erosion.	South Cape York Catchments Inc	Northern	Controlling sediment runoff from unsealed roads
Conservation	WQ-CP-002 - Cape York Water Partnership - Primitive roads and tracks	\$1,084,600	28/11/2021	30/06/2024	IN PROGRESS	Assessing and remediating erosion impact from informal roads and tracks.	Cape York Water Partnership, Inc	Northern	Erosion control from informal roads and tracks.
Conservation	WQ-CP-003 - Cape York Water Partnership - Integrated monitoring	\$1,100,000	19/11/2021	30/06/2024	IN PROGRESS	The CYWP Monitoring Project aims to collect data from rivers with very little prior information to define baseline conditions, establish local water quality guidelines, assess and quantify potential water quality impacts and calculate sediment loads delivered to the GBR. The project will also assess the condition of critical coastal wetlands and seagrass meadows.	Cape York Water Partnership, Inc	Northern	Data collection and critical assessment of coastal wetlands and seagrass meadows in Cape York region.
Conservation	WQ-CP-004 - SCYC - Integrated Fire Management	\$595,731	2/12/2021	30/06/2024	IN PROGRESS	This project increases late dry season ground cover through a coordinated early dry season burning regime and increases the capacity of TO's and landholders to undertake fire management to reduce sediment flow to the Great Barrier Reef.	South Cape York Catchments Inc	Northern	Improved fire management to reduce sediment runoff.

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Conservation	WQ-CP-005 - SCYC - Gully erosion control	\$2,155,000	1/12/2021	30/06/2024	IN PROGRESS	The objective of this project is to control gully erosion in the Annan River catchment at known accessible hotspots in the Oaky, Scrubby and Esk Sub-catchments to significantly reduce anthropogenic fine sediment loads by up to 5%.	South Cape York Catchments Inc	Northern	High priority gully remediation to reduce sediment runoff.
Conservation	WQ-CP-006 - South Endeavour Trust - Integrated fire and primitive tracks	\$400,000	2/12/2021	30/06/2024	IN PROGRESS	Improving water quality in the Annan and Endeavour Catchments through integrated fine scale fire management and managing erosion on primitive tracks.	The Trustee for SOUTH ENDEAVOUR TRUST	Northern	Catchment management to reduce sediment runoff.
Conservation	WQ-CP-009 - Yuku Baja Muliku - Project Plan_WQ Mgmt	\$50,000	13/12/2021	31/03/2022	IN PROGRESS	This project will facilitate the development of a project plan for the Yuku-Baja-Muliku people, the Traditional Custodians of Archer Point. The objective of the project is to map, assess and control erosion along roads, tracks, fire breaks, fence lines and other linear disturbances in YBM Country, using appropriately applied BMPs.	Yuku-Baja-Muliku Landowner & Reserves Ltd	Northern	Water Quality management programs undertaken by Traditional Owner organisation.
Conservation	WQ-CP-010 - Yuku Baja Muliku - ECY WQP	\$1,040,617	30/06/2022	30/06/2024	IN PROGRESS	Understanding the impacts of erosion control and fire management on water quality in Yuku-Baja-Muliku	Yuku-Baja-Muliku Landowner & Reserves Ltd	Northern	
Early Investments	WQ-EI-001 - Farmacist Pty Ltd - Project Bluewater	\$1,243,500	29/03/2019	31/07/2021	COMPLETED	This project reduces the run-off of pesticides into the Great Barrier Reef lagoon through the adoption of improved sugarcane farming practices. The project will directly engage over 70 growers, managing over 12,000 hectares of land, in the catchments of Haughton, Pioneer, O' Connell Rivers and Plane Creek identified as high-priority in the Reef 2050 Water Quality Improvement Plan.	Farmacist Pty Ltd	Central	Pesticide Management Plans have been produced and distributed to all project growers. Insights gained from the project have now been developed into fact sheets and widely distributed. These include selection of herbicide, converting Irvin legs to doppers, choosing floodjet nozzles and upgrading bloomspray systems.
Early Investments	WQ-EI-002 - Resource Consulting Services -	\$2,878,511	3/04/2019	1/07/2021	COMPLETED	Project Pioneer promotes the adoption of regenerative grazing operations to increase ground cover in grazing lands and reduce	Resource Consulting Services Pty Ltd	Non-specified - multiple sites	In addition to the improved quality of water entering the Great Barrier Reef, other environmental

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	Project Pioneer					sediment in run-off to the Great Barrier Reef.			outcomes include reduction in carbon loss from soils, increased biodiversity on-farm, particularly soil and aquatic life, and increased landscape resilience to the effects of climate change.
Early Investments	WQ-EI-003 - Greening Australia - Innovative Gully Project - Phase 3	\$2,049,307	29/03/2019	31/07/2021	COMPLETED	This project aims to reduce the amount of sediment discharging to the Great Barrier Reef lagoon by approximately 3,200 tonnes per annum through remediation of alluvial gullies by using established techniques. In addition, the project will aim to pilot the Reef Credit system and investigate how Reef Credits could be used to fund gully remediation works and ongoing maintenance requirements.	Greening Australia Ltd	Central	Prior to remediation, the northern gully complex was contributing 6,300 tonnes per annum of fine sediment to the Great Barrier Reef lagoon. The completed remediation of this gully complex is predicted to abate 185,000 ' 40,000 tonnes per annum of fine sediment up to 2045.
Early Investments	WQ-EI-004 - SRA - Cane to Creek	\$2,226,806	27/03/2019	31/07/2021	COMPLETED	Work on farms with small cane grower groups to address nitrogen and pesticides. The program breaks down the barriers between scientists and growers, maximises peer-to-peer learning opportunities and improves understanding of the drivers of water quality impacts.	Sugar Research Australia Ltd	Central	Work on farms with small cane grower groups to address nitrogen and pesticides. The program breaks down the barriers between scientists and growers, maximises peer-to-peer learning opportunities and improves understanding of the drivers of water quality impacts.
Early Investments	WQ-EI-005 - Catchment Solutions - Project Catalyst	\$2,407,751	29/03/2019	30/04/2022	COMPLETED	Supports a network of cane farmers in the Reef catchments to improve farming practices to reduce nutrient run-off to the Reef. This is achieved by focusing on soil testing, nutrient management plans and implementation of controlled traffic management systems (reducing soil compaction by confining heavy machinery to permanent traffic lanes).	Catchment Solutions Pty Ltd	Non-specified - multiple sites	Most growers have adopted Controlled Traffic Farming Systems (wider row spacing, GPS utilisation etc). An additional 46 growers participated in a Grower Support program to create enduring change around DIN and pesticide reduction.'
Early Investments	WQ-EI-006 - Qld Cane Growers	\$1,413,500	1/04/2019	31/03/2020	COMPLETED	This behaviour change program uses co-design principles to elicit improved practices through	QLD Cane Growers Organisation Ltd	Central	The project achieved its aim to reach an additional 400 cane farmers and

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	Organisation Ltd - Cane Changer					accreditation in the SmartCane Best Management Program and other forms of commitment towards improved practices. The project aimed to engage 400 growers in this region.			industry stakeholders in Queensland. The results were: 75 additional growers adopting best management farming practices in the Wet Tropics as defined by progressing through the Smartcane BMP program, 225 additional farmers, extension experts, and key industry professionals engaged in the project in the Wet Tropics to undertake capacity building training that supports activities that improve water quality, and 100 farmers and industry professionals engaged in co-designing the project across the Burdekin, Mackay, and Southern cane regions.
Early Investments	WQ-EI-007 - NQ Dry Tropics - Reefwise Grazing of Burdekin Rangelands	\$659,984	1/04/2019	30/06/2021	COMPLETED	This project will produce dedicated and specific education, training, capacity-building and incentives that will take 12 grazing landholders on a progressive journey towards techniques that proactively manage stock grazing pressure and minimise the potential for declining land condition leading to reduced sediment run-off. The project will also result in a further 50 landholders using increased knowledge and skills to apply management changes to improve the quality of water discharged from their property.	NQ Dry Tropics Ltd	Central	Overall, 11 graziers that own 12 properties in the Burdekin were engaged to undertake on-ground management change supported by targeted incentive delivery, formal education and local extension by NQ Dry Tropics grazing field staff. In total, these properties cover 241,638 hectares of land across the Upper Burdekin and Southern Gulf NRM region. Additionally 183 unique graziers attended training and development sessions impacting on a total of 218 unique individuals as a direct result of the Reefwise Grazing project.
Early Investments	WQ-EI-008 - BRIA Irrigators	\$789,634	28/03/2019	31/03/2021	COMPLETED	Farmer (cane) led project which raises awareness and drives	BRIA Irrigators Ltd	Central	The project proved to growers using furrow

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	Ltd - Barratta Creek Runoff Reduction					practice change through improved fertiliser application, modifying pesticide type and quantity and improving irrigation efficiency.			irrigation, the importance of the first few irrigations as these carry the majority of tailwater from the farm. The majority of the participating farmers indicated that they would implement the best performing practices based on the findings of this project into the future.
Early Investments	WQ-EI-009 - MRCCC - Gully erosion control	\$646,500	2/04/2019	31/07/2021	COMPLETED	Addresses sediment discharge to the Great Barrier Reef lagoon through gully restoration on grazing land. The project will also work with graziers to increase awareness and actively manage lands that are susceptible to erosion through the adoption of best land management practices.	Mary River Catchment Coordination Association Inc	Southern	The program will delivers large scale restoration of eroding riverine areas, revegetation work, community engagement activities and Traditional Owner involvement.
Early Investments	WQ-EI-010 - QLD Farmers' Federation Ltd - Early Career Extension Officers (1)	\$1,188,688	1/04/2019	30/08/2020	COMPLETED	This project will increase the delivery capacity related to agronomic extension by training early career extension officers (agricultural experts) in practices relevant to addressing sediment, nitrogen and pesticide run-off.'	QLD Farmers' Federation Ltd	Non-specified - multiple sites	The project delivered a 12-month placement of eight early career extension officers within various organisations in reef catchments, to increase capacity to support land management practice change.
Early Investments	WQ-EI-011 - Qld Farmers' Federation Ltd - Reef Alliance Project 2	\$3,302,924	3/04/2019	30/04/2020	COMPLETED	Supports cane farmers and graziers by using one-to-one agricultural experts (extension officers) to move 462 land holders, covering 209,750 hectares, towards best practice to reduce sediment, nitrogen and pesticides.	QLD Farmers' Federation Ltd	Non-specified - multiple sites	Expanded uptake of improved farming practices across 2-9,750 hectares of farmland in a high priority catchment area.
Early Investments	WQ-EI-012 - Qld Farmer's Federation Ltd - Career Extension Placement 2	\$70,080	22/04/2021	31/08/2022	IN PROGRESS	This is an extension of the original 2019-20 project, which provided a 12-month placement for eight early career extension officers within various organisations in reef catchments, to increase their capacity (knowledge, skills, confidence and skills) to support land management practice change.	QLD Farmers' Federation Ltd	Non-specified - multiple sites	As a result of underspent funds from the original proposal, an additional trainee will be funded as part of this contract. The trainee will take part of the enhanced program ' the Agricultural Extension Work Placement Program 2021-22, which

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									commences in March 2021.
Innovation	WQ-IN-001 - CSIRO Thorburn - N insurance for sugarcane	\$691,144	10/09/2020	6/06/2026	IN PROGRESS	This project tests a world-first insurance product, prototype nitrogen (N) insurance, to help farmers manage the risk of reduced yields from reduced fertiliser application. If successful, it will overcome a significant barrier to the adoption of reduced nitrogen rates.	Commonwealth Scientific and Industrial Research Organisation	Central	Ten per cent reduction in DIN runoff and drainage measured on the demonstration by in paddock trial water quality monitoring.
Innovation	WQ-IN-002 - NCEconomics - Farming Structural Adjustment Program	\$230,000	23/07/2020	28/02/2022	COMPLETED	This project aims to develop a comprehensive understanding of the socio-economic benefits and costs of broad-scale, targeted land use redefinition that improves outcomes for our Reef, economic viability of agriculture and social resilience for communities. It is also assessing how such a redefinition process could work in conjunction with other initiatives and emerging environmental product markets to 'crowd in' co-investment from a broader suite of sources.	NCEconomics Pty Ltd	Non-specified - multiple sites	A clear illustration of how biophysical, social and economic data can inform a more strategic, evidence-based approach to managing the catchments surrounding the Reef.
Innovation	WQ-IN-003 - TNC - Farmland to Reef Regeneration Fund	\$497,718	27/10/2020	30/04/2023	IN PROGRESS	Kilter Rural and The Nature Conservancy Australia are developing a detailed business case for establishing a globally significant impact investment fund, 'The Farmland to Reef Regeneration Fund', for the Great Barrier Reef.	The Nature Conservancy Limited as the Trustee for the Nature Conservancy Australia Trust	Non-specified - multiple sites	The piloting of a fund with a potential market capitalisation of \$1 billion dollars, with a view to investing in agriculture in the Reef catchments to both produce a return on investment, as well as achieve significant water quality improvements on those properties.
Innovation	WQ-IN-004 - Cultivate Farms - Reefinance: Farm ownership transition	\$170,000	11/08/2020	28/02/2023	IN PROGRESS	Working together with Herbert Cane Productivity Services, Cultivate Farms will help eliminate the biggest barrier to farm ownership for next generations ' access to capital and land ' by matching aspiring (next-generation) farmers with those looking to retire from the land.	Cultivate Farms Pty Ltd	Non-specified - multiple sites	An effective model of farm ownership transition that can be linked to improved management practices, which will result in improved water quality outcomes for our Reef.

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Innovation	WQ-IN-005 - NQ NRM Alliance - Reef Credits Secretariat	\$399,092	11/08/2020	28/02/2022	COMPLETED	This project will transition the existing Reef Credit Scheme architecture from its current start-up phase to a fully independent governance structure administering the Scheme.	NQ NRM Alliance Ltd t/a Corporate Nature	Non-specified - multiple sites	Development of the Reef Credit which is a tradable, verified unit of pollution reduction that can be sold to a range of buyers such as government, corporate and philanthropic entities.
Innovation	WQ-IN-006 - Greening Australia - Drones	\$400,000	11/04/2021	30/06/2023	IN PROGRESS	Riparian and wetland repair projects are often constrained due to boggy terrain. This project will identify where drones can be used to address these limitations. Three aspects of restoration will be evaluated for drone application: mapping for project work design and monitoring, weed control, and seed distribution.	Greening Australia Ltd	Non-specified - multiple sites	The project will produce a cost effectiveness matrix that will assist decision making around future gully repair and provide an understanding of the use of this technology in water quality responses.
Innovation	WQ-IN-007 - Gallagher - Agersens Pty - eShepherd	\$335,000	13/10/2020	28/02/2022	COMPLETED	In a world-first, Agersens is showing how virtual fencing technology can protect our Reef from the tonnes of sediment run-off caused by eroding gullies and streambanks affecting the quality of its water.	Gallagher Eshepherd Pty Ltd	Central	This technology is being trialled in the Burdekin catchment to control and move cattle from selected locations to demonstrate the viability and cost-effectiveness of the virtual fencing approach.
Innovation	WQ-IN-008 - CSIRO Bartley - Regenerative Grazing	\$399,940	4/08/2020	31/08/2022	IN PROGRESS	Grazing represents up to 80% of the land use draining to the Reef. This project quantifies the benefits of regenerative grazing which can help accelerate landscape recovery and improve run-off and water quality for a healthy Reef.	Commonwealth Scientific and Industrial Research Organisation	Central	Addresses a gap in knowledge on the effects of regenerative grazing practices on land, soil and run off.
Innovation	WQ-IN-009 - Griffith Uni - Extracting riverbank and gully erosion data	\$350,000	21/10/2020	15/08/2022	IN PROGRESS	This project fills a major gap in understanding the source of fine sediment erosion that is degrading Queensland rivers and the Reef. This project will provide unprecedented access to 620 terabytes of privately-held data collected for powerline asset management, equivalent to 71 years of continuous Netflix streaming.	Griffith University	Non-specified - multiple sites	Unlocking this information will provide a technological breakthrough to significantly improve our ability to identify, quantify and prioritise erosion sites for Reef-wide water quality management.

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Innovation	WQ-IN-010 - Alluvium - Advanced Hydrodynamic modelling	\$199,900	11/08/2020	31/12/2021	COMPLETED	Significant funding has been spent in recent years on pile field groynes as part of streambank restoration projects that aim to reduce sediment running off the Reef. Timber pile field groynes are a biodegradable engineering approach used to stabilise streambanks and aid native riparian vegetation establishment.	Alluvium Consulting Australia Pty Ltd	Non-specified - multiple sites	Improvements in the design of pile field groynes.
Innovation	WQ-IN-011 - CSIRO Wilkinson - LiDAR gully and streambank erosion assessment	\$350,000	14/09/2020	31/12/2022	IN PROGRESS	Updated streambank toolbox	Commonwealth Scientific and Industrial Research Organisation	NA - Not location specific eg consulting	More accurate measurements of soil loss reduction
Innovation	WQ-IN-012 - LGAQ - Unsealed Road Runoff	\$1,500,000	7/06/2021	31/01/2023	IN PROGRESS	Evaluation sediment run-off from unsealed roads	Local Government Association of Queensland (LGAQ)	Non-specified - multiple sites	Best management practices for unsealed road management to reduce sediment loss
Innovation	WQ-IN-013 - DES - Data Streamline	\$105,000	12/11/2020	31/07/2022	COMPLETED	New app to allow citizen science to assess wetlands	QLD Government Department of Environment and Science	Non-specified - multiple sites	Field verification of wetlands
Innovation	WQ-IN-014 - Jaragun Pty Ltd - Soil Mapping in the Russell River	\$350,000	24/08/2020	15/10/2022	IN PROGRESS	This collaboration will use state-of-the-art electromagnetic induction (EMI) technology, combined with conventional soil surveys, to develop detailed soil maps required by the sugarcane industry to implement precision nutrient management for a reduction in pollutants running off into the Reef, while improving farm productivity.	Jaragun Pty Ltd	Central	This project will provide a repeatable methodology with the mapping products immediately available to support industry implementation of Six Easy Steps across the Wet Tropics ' a Great Barrier Reef hotspot for dissolved inorganic nitrogen run-off.
Innovation	WQ-IN-015 - JCU - Incentiv8	\$819,891	5/11/2020	15/12/2022	IN PROGRESS	This project will develop a tool that allows growers to readily identify the implications of different irrigation approaches for farm economics, as well as linkages to opportunities for green finance.	James Cook University	Central	The INCENTIV8 tool is initially being trialled in the Burdekin irrigation district and serves as a boundary object to navigate conversations, converge thinking from different stakeholders and bridge the gap

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									between better irrigation management and sustainable finance.
Innovation	WQ-IN-016 - Farmacist - Banana yield monitoring system and management program	\$300,000	11/08/2020	31/01/2022	COMPLETED	Current practices in determining nutrient requirements for banana plantations are based on maximising production, but do not account for changes in soils or growing conditions which can lead to pollutants running off into our Reef's waters. This project is delivering plantation yield variation maps to growers which allows them to best match the inputs of nutrients and water to the yield potential of their crops.	Farmacist Pty Ltd	Central	This approach has shown a reduction of fertiliser use by more than 25% in other tropical crops, resulting in an improvement in the quality of our Reef's waters.
Innovation	WQ-IN-017 - Australian Seaweed Institute - Network of Seaweed Biofilters	\$850,000	9/09/2020	12/07/2025	IN PROGRESS	Through a network of seaweed biofilters between the coast and the Reef, nitrogen and carbon dioxide would be captured by the seaweed and then harvested for use in products such as biofertiliser.	Australian Seaweed Institute Pty Ltd	Non-specified - multiple sites	This circular economy innovation is anticipated to provide a significant opportunity for new jobs and economic development in regional Queensland, while improving water quality.
Innovation	WQ-IN-018 - SRA - Enhanced Efficiency Fertiliser testing and modelling	\$700,000	21/10/2020	1/07/2022	COMPLETED	Working with Wet Tropics sugarcane growers to test the effectiveness of Enhanced Efficiency Fertilisers (EEFs), as they closely match the nitrogen requirements of growing crops by releasing nitrogen over time. On-farm evaluation and modelled 'virtual experiments', coupled with data mining and machine learning, will identify where and when nitrogen losses are reduced by using EEFs.	Sugar Research Australia Ltd	Central	The ability to better match nutrient supply with crop uptake will see a reduction in nitrogen running off farms into the Reef's waters, while maintaining productivity and potentially improving profitability.

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Innovation	WQ-IN-019 - Intellidesign - Inorganic Nitrate Sensor	\$350,000	6/10/2020	31/10/2022	IN PROGRESS	Developing a cost-effective, low-maintenance nitrate sensor to monitor dissolved inorganic nitrogen (DIN). A major source of DIN is fertiliser from farms in the Reef catchments so it is important to collect nitrate data at farm level to enable changes in upstream farming management practices, in order to reduce the amount of DIN running off into the Reef's waters.	Intellidesign Pty Ltd	Non-specified - multiple sites	The development of a cheaper and smaller sensor.
Innovation	WQ-IN-020 - JCU - Autoweed Reducing herbicide	\$900,000	30/09/2020	30/09/2022	IN PROGRESS	This project will lower herbicide run-off into the Reef and reduce costs for farmers, by creating new smart weed detection and spraying systems that will reduce herbicide usage on sugarcane farms by at least 80%.	James Cook University	Central	' The technology will initially be trialled in the Burdekin and use deep learning to detect and spray weeds without hitting crops.
Innovation	WQ-IN-021 - Farmacist - Multispecies cropping	\$250,113	2/11/2020	31/07/2022	COMPLETED	Trialling a new multi-species crops concept in sugarcane that is cost-effective and can benefit soil health and improve water quality from better crop uptake of applied nutrients and reduced water run-off that carries pollutants to our Reef's waters.	Farmacist Pty Ltd	Central	Delivering a major trial site to demonstrate and quantify the water quality benefits of multispecies crops.
Innovation	WQ-IN-022 - Catchment Solutions - Microwave Technologies - TERMINATED	\$3,250	27/10/2020	30/04/2022	COMPLETED	This project has been terminated.	Catchment Solutions Pty Ltd	Non-specified - multiple sites	This project has been terminated.
Innovation	WQ-IN-023 - Farmacist - bananas extension	\$495,000	2/05/2022	30/04/2024	IN PROGRESS	This project extension aims to create extensive datasets to support and validate the adoption of Precision Agriculture approaches in two different (organic and conventional) banana production systems operating at different enterprise scales and within different landscapes. This will be achieved by running two concurrent projects which will focus on variable rate application (VRA) and Enterprise scalability.	Farmacist Pty Ltd	Northern	Yield variability maps and nutrient management plans for banana farmers so they can reduce the amount of DIN that flows from their paddocks into waterways.

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Innovation	WQ-IN-024 - Greening Australia - Understanding nutrient export from remediated gully systems	\$487,618	15/10/2020	15/08/2022	IN PROGRESS	This innovative approach is investigating if large-scale gully remediation projects that reduce significant amounts of sediment run-off are also reducing nutrient pollution, therefore enabling the greatest cuts to Reef pollution from any investment.	Greening Australia Ltd	Central	This project will develop a standardised cost-effective method for BPN and determine requirements for the development of a methodology for accounting reductions on nutrients from gully rehabilitation.
RP Bowen, Broken and Bogie	WQ-BB-001 - NQ Dry Tropics - Grazing Support in BBB (Landholders Driving Change)	\$5,000,000	29/11/2020	30/11/2023	IN PROGRESS	This program will develop a culture of change and adoption of improved land management practice, with the majority of the sediment savings to be achieved through improved grazing land management. It also aims to continue implementing large-scale gully remediation works at priority fine sediment production sites.'	NQ Dry Tropics Ltd	Central	The Bowen Broken Bogie regional program aims to prevent 330,000 tonnes of fine sediment entering the Reef every year.
RP Bowen, Broken and Bogie	WQ-BB-002 - Greening Australia - BBB Gully Remediation: Byrne Valley and Kirknie Stations	\$1,760,000	18/12/2020	30/08/2022	IN PROGRESS	The ultimate goal is to establish a fund with market capitalisation of \$1 billion dollars, with a view to investing in agriculture in the Reef catchments to both produce a return on investment, as well as achieve significant water quality improvements on those properties.	Greening Australia Ltd	Central	The Bowen Broken Bogie regional program aims to prevent 330,000 tonnes of fine sediment entering the Reef every year.
RP Bowen, Broken and Bogie	WQ-BB-003 - NQ Dry Tropics - Landholders Driving Change	\$18,000,000	17/08/2021	30/06/2024	IN PROGRESS	Through this project, NQ Dry Tropics will develop and implement a Regional Program for the Bowen, Broken and Bogie (BBB) catchments, which will deliver a significant cost-effective water quality outcome. The project will build on Queensland Government' s five-year investment into the Burdekin Major Integrated Project (the Landholders Driving Change (LDC) project), which successfully established appropriate governance arrangements, engaged the majority of graziers in the BBB region, and delivered large scale gully remediation projects.	NQ Dry Tropics Ltd	Central	The BBB regional program aims to prevent 330,000 tonnes of fine sediment entering the Reef every year.

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RP Bowen, Broken and Bogie	WQ-LB-001 - NQ Dry Tropics - Extension of RAP 2	\$1,216,265	24/12/2019	30/11/2020	COMPLETED	This project aims to address priority pollutants and provide continued support to landholders to promote further adoption of improved on ground practice change through the delivery of training events and peer to peer engagement.	NQ Dry Tropics Ltd	Central	The Bowen Broken Bogie regional program aims to prevent 330,000 tonnes of fine sediment entering the Reef every year.
RP Fitzroy	WQ-FI-001 - Verterra - Fitzroy Alliance gully rehabilitation project	\$5,000,000	8/09/2020	30/06/2024	IN PROGRESS	Alluvial gully and streambank rehabilitation to deliver end of catchment fine sediment savings in Lower Fitzroy and Mackenzie catchments	Tree Crop Technologies Pty Ltd (T/A Verterra)	Central	Sediment load reductions in the Fitzroy region
RP Fitzroy	WQ-FI-002 - Catchment Solutions Pty Ltd - Streambank and gully erosion solutions	\$3,400,000	9/09/2020	30/06/2024	IN PROGRESS	Gully and streambank remediation to reduce 7500 tonnes of fine sediment reaching the GBR	Catchment Solutions Pty Ltd	Central	Reduced sediment from Fitzroy to GBR
RP Fitzroy	WQ-FI-003 - Greening Australia - Mackenzie Water Quality Program	\$990,000	16/12/2020	30/06/2024	IN PROGRESS	Gully and streambank remediation to reduce 2800 tonnes of fine sediment reaching the GBR	Greening Australia Ltd	Central	Water quality improvement in the Fitzroy Basin
RP Fitzroy	WQ-FI-004 - FBA - Water quality improvements in the Fitzroy and Mackenzie river catchments	\$1,700,000	1/10/2020	30/06/2024	IN PROGRESS	Streambank remediation to reduce approx. 8500 tonnes of sediment reaching the GBR	Fitzroy Basin Association Inc	Central	Improved water quality in Fitzroy catchment reaching the GBR
RP Fitzroy	WQ-FI-005 - FBA - Streambank Sediment Reduction	\$4,095,520	1/10/2020	30/06/2024	IN PROGRESS	Large streambank remediation site to reduce 14,500 tonnes fine sediment reaching the GBR	Fitzroy Basin Association Inc	Central	Improved water quality in Fitzroy catchment reaching the GBR
RP Johnstone & Tully	WQ-TJ-001 - FNQ Terrain NRM - RAP 2 Extension	\$1,643,022	24/12/2019	31/07/2021	COMPLETED	This provided funds to extend the Reef Alliance Project 2 and continue employment for three FTE on-ground extension officers through to 31 July 2021.	FNQ NRM Ltd t/a Terrain Natural Resource Management	Central	This enabled continuity of project activities and critical resources for new projects in the Mulgrave Russell and Tully Johnstone regions, which

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									commenced in mid-late 2021.
RP Johnstone & Tully	WQ-TJ-002 - Innisfail District Cane Growers - Cassowary Coast Reef Smart Farming	\$5,999,893	10/12/2021	30/06/2024	IN PROGRESS	This project will achieve dissolved inorganic nitrogen reductions by working with cane growers to improve nutrient use efficiency and banana growers to refine nutrient applications. As a result, the project will deliver an enduring end-of-catchment DIN reduction of 61 tonnes.	Innisfail District Cane Growers Organisation Limited	Central	The Tully Johnstone Water Quality Program aims to stop 170 tonnes of dissolved inorganic nitrogen from entering the Reef every year.
RP Johnstone & Tully	WQ-TJ-003 - Liqueforce - LAND (Local Area Nutrient Datahub)	\$854,000	20/10/2021	30/06/2024	IN PROGRESS	This project will deliver optimal nutrient management plans, industry-leading dissolved inorganic nitrogen reduction and accessible information to close the knowledge gap for sustainable farm management.	Liquaforce Pty Ltd	Central	The Tully Johnstone Water Quality Program aims to stop 170 tonnes of dissolved inorganic nitrogen from entering the Reef every year.
RP Johnstone & Tully	WQ-TJ-004 - Greening Australia - Tully and Johnstone Wetland Restoration	\$1,521,000	2/12/2021	30/06/2024	IN PROGRESS	This project aims to achieve a load reduction of 6.8 to 20.8 tonnes per year. This will be achieved through construction of treatment systems in low-lying land, revegetation and management of cane drains, and conversion of low productivity cane land to wetland treatment systems.	Greening Australia Ltd	Central	This project contributes to the Tully-Johnstone Water Quality Program's aim to stop 170 tonnes of dissolved inorganic nitrogen from entering the Reef every year.
RP Johnstone & Tully	WQ-TJ-005 - JCU TropWater - Tully Johnstone Water Quality Program	\$800,000	12/11/2021	30/06/2024	IN PROGRESS	This project will implement an interactive water quality monitoring and extension approach, aiming to change farmer behaviours and improve farm management practices across the Tully-Johnstone district. The project will support other projects including other GBRF Tully-Johnstone Water Quality projects, the OGBR funded extension to WTMIP. On-ground farmer extension and trust framework will be developed through robust, participatory, localised water quality monitoring, co-designed with local farming stakeholders.	James Cook University	Central	The Tully Johnstone Water Quality Program aims to stop 170 tonnes of dissolved inorganic nitrogen from entering the Reef every year.

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RP Lower Burdekin	WQ-LB-002 - Farmacist - Precision to Decision DIN	\$3,200,000	3/12/2020	30/06/2024	IN PROGRESS	Farm plans will be developed to identify constraints and increase productivity and profitability through targeted agronomic support for nitrogen use efficiencies (NUE). A range of activities including soil testing, amelioration maps, satellite yield variation imagery and agronomic support will be provided for 10,000 ha of sugar cane growing land.	Farmacist Pty Ltd	Central	The Lower Burdekin Water Quality Program aims to stop 48 tonnes of dissolved inorganic nitrogen and 35 kilograms of pesticides from entering the Reef every year.
RP Lower Burdekin	WQ-LB-003 - Greening Australia - Constructed wetland treatment program	\$2,072,746	10/12/2020	31/12/2023	IN PROGRESS	The project will significantly contribute to end-of-catchment water quality improvement targets, by preventing 9.1 tonnes of dissolved inorganic nitrogen runoff from leaving the catchment. Integrating with irrigation scheme infrastructure and cane production systems, this project will also create and enhance wetland habitat and ecosystem function and improve biodiversity and agricultural production outcomes.	Greening Australia Ltd	Central	The Lower Burdekin Water Quality Program aims to stop 48 tonnes of dissolved inorganic nitrogen and 35 kilograms of pesticides from entering the Reef every year.
RP Lower Burdekin	WQ-LB-004 - SRA - Irrigation Efficiency Lower Burdekin	\$6,912,378	18/12/2020	30/06/2024	IN PROGRESS	This project aims to transition growers to scalable, sustainable and technologically assisted practices in irrigation management, using a whole-of-systems approach that includes water quality validation. It aims to maximise industry profitability through optimised irrigation practices which directly influence other key farming system priorities. The project will be delivered by a consortium of cross-disciplinary stakeholders, which enables integration of existing relationships with growers, lessons learnt and practical outcomes across numerous water quality improvement projects.	Sugar Research Australia Ltd	Central	The Lower Burdekin Water Quality Program aims to stop 48 tonnes of dissolved inorganic nitrogen and 35 kilograms of pesticides from entering the Reef every year.

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RP Lower Burdekin	WQ-LB-005 - Farmacist - Project Bluewater 2	\$2,402,443	3/12/2020	30/06/2024	IN PROGRESS	Farmacist will build on the early learnings, momentum and success of Project Bluewater and will expand its footprint to cover an additional 18,758 ha of cane land, through direct engagement with ~100 growers.	Farmacist Pty Ltd	Central	The Lower Burdekin Water Quality Program aims to stop 48 tonnes of dissolved inorganic nitrogen and 35 kilograms of pesticides from entering the Reef every year.
RP Lower Burdekin	WQ-LB-006 - NQDT - Major Grants	\$1,499,925	20/05/2022	30/06/2024	IN PROGRESS	This project supports the Lower Burdekin Water Quality Program (LBWQP), which targets reductions in dissolved inorganic nitrogen and pesticide loads to improve water quality in the Great Barrier Reef lagoon. The project aims to support enduring sugarcane farming practice change in the Lower Burdekin region. This will be achieved through administration of a pool of major grant funds for growers working with LBWQP delivery providers who are receiving program agronomy advice and support. The project also aims to identify the importance of incentive projects coupled with agronomic support towards achieving long term, sustainable, water quality improvements. This opportunity for growers will help stimulate engagement and increase total water quality outcomes of the project and the program.	NQ Dry Tropics	Central	The Lower Burdekin Water Quality Program aims to stop 48 tonnes of dissolved inorganic nitrogen and 35 kilograms of pesticides from entering the Reef every year.
RP Lower Herbert	WQ-LH-001 - Agro Group - Modernising On Farm Mill Mud Application	\$630,000	18/12/2020	31/03/2023	IN PROGRESS	This project will build a prototype mill mud spreader to achieve reduced mill mud application rates, accurate and variable placement on the cane and the most efficient and user-friendly operating system to achieve a consistent output for the farmer to calculate their modified fertilising rates. The new spreader will make it economical for farmers that are further afield to utilise mill mud, while also making a significant impact on	Agro Group Pty Ltd	Central	The Lower Herbert Water Quality program aims to stop 140 tonnes of dissolved inorganic nitrogen from entering the Reef every year

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						water quality by modernising the way mill mud is used			
RP Lower Herbert	WQ-LH-002 - Catchment Solutions - Project catalyst Broader Adoption	\$1,432,373	17/12/2020	30/06/2024	IN PROGRESS	This project will be implemented to improve nutrient and chemical management through the evaluation and adoption of innovative or best practices, by building on positive networks and practice change results generated from Project Catalyst since 2009. This project provides resources to promote the uptake and implementation of tested methodologies and farm management practices, with growers who have not previously been active in the innovation or early adoption categories	Catchment Solutions Pty Ltd	Central	The Lower Herbert Water Quality program aims to stop 140 tonnes of dissolved inorganic nitrogen from entering the Reef every year
RP Lower Herbert	WQ-LH-003 - HCPSL - CaNE (Crop and Nutrient Efficiency)	\$7,093,900	21/01/2021	30/06/2024	IN PROGRESS	Project CaNE' will work with farmers to drive productivity, financial, and environmental outcomes. Herbert farmers involved with the project will have access to trained HCPSL agronomists to assist them with nutrient management strategies and other agronomic aspects.	Herbert Cane Productivity Services Limited	Central	The Lower Herbert Water Quality program aims to stop 140 tonnes of dissolved inorganic nitrogen from entering the Reef every year
RP Lower Herbert	WQ-LH-004 - Liqueforce - Local Area Nutrient Datahub	\$1,986,000	16/12/2020	30/06/2024	IN PROGRESS	This project will produce optimal Six Easy Steps nutrient management plans tailored to the region and specific farms, paddock and soil lab data inputs and will also provide secure, private, digital storage of all their farm, soil and production data, enabling easy long-term monitoring of crop and financial performance over time, and a far greater understanding of	Liquaforce Pty Ltd	Central	The Lower Herbert Water Quality program aims to stop 140 tonnes of dissolved inorganic nitrogen from entering the Reef every year

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Completed?</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
						underlying agronomic issues and solutions suitable for their farms.			
RP Lower Herbert	WQ-LH-005 - HRD Canegrowers - Major Grants	\$1,500,000	19/08/2021	30/06/2024	IN PROGRESS	The Major Grant Project is an integral component of the Lower Herbert Water Quality Program that will provide a financial incentive to growers who will be able to improve water quality by practice changes on their farms through receiving financial support.	Herbert River District Cane Growers Organisation Limited	Central	The Lower Herbert Water Quality program aims to stop 140 tonnes of dissolved inorganic nitrogen from entering the Reef every year.
RP Mackay Whitsunday	WQ-MW-001 - Mackay Canegrowers Ltd - Mackay Irrigation Project	\$1,200,000	1/09/2020	30/06/2024	IN PROGRESS	Assisting growers to optimise energy consumption and water use efficiency to increase productivity, profitability and to mitigate nutrient and chemical losses with improved irrigation management strategies	Mackay Canegrowers Limited	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved inorganic nitrogen and 215 kilograms of pesticides from entering the Reef every year
RP Mackay Whitsunday	WQ-MW-002 - Catchment Solutions - Project Catalyst Broader Adoption	\$1,778,617	9/09/2020	30/06/2024	IN PROGRESS	This project will be implemented to improve nutrient and chemical management through the evaluation and adoption of innovative or best practices, by building on positive networks and practice change results generated from Project Catalyst since 2009. This project provides resources to promote the uptake and implementation of tested methodologies and farm management practices, with growers who have not previously been active in the innovation or early adoption categories	Catchment Solutions Pty Ltd	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved inorganic nitrogen and 215 kilograms of pesticides from entering the Reef every year
RP Mackay Whitsunday	WQ-MW-003 - Farmacist Pty Ltd - DIN Precision Agriculture	\$2,792,312	1/09/2020	30/06/2024	IN PROGRESS	The objective of the project is to fast track the delivery of essential base data and an extension program designed to have adoption of refined nutrient and	Farmacist Pty Ltd	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved inorganic nitrogen and

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Completed?</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
						chemical management to levels beyond regulations in order to improve the quality of water flowing to our Reef			215 kilograms of pesticides from entering the Reef every year
RP Mackay Whitsunday	WQ-MW-004 - Farmacist Pty Ltd - Project Bluewater (pesticides)	\$4,421,714	1/09/2020	30/06/2024	IN PROGRESS	The objective of the project is to fast track the delivery of essential base data and an extension program designed to have adoption of refined nutrient and chemical management to levels beyond regulations in order to improve the quality of water flowing to our Reef	Farmacist Pty Ltd	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved inorganic nitrogen and 215 kilograms of pesticides from entering the Reef every year.
RP Mackay Whitsunday	WQ-MW-005 - Liqueforce Pty Ltd - LAND (Nutrient Datahub)	\$1,240,000	10/09/2020	30/06/2024	IN PROGRESS	Through this project, growers will have farm, soil, nutrient and performance data at their fingertips via the LAND Grower app and will receive agronomic support including optimised nutrient management plans, opportunities for industry-leading dissolved inorganic nitrogen reduction and advice on sustainable farm management	Liqueforce Pty Ltd	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved inorganic nitrogen and 215 kilograms of pesticides from entering the Reef every year.
RP Mackay Whitsunday	WQ-MW-006 - MAPs Ltd - Nutrient Management Plans and Agtrix	\$1,124,000	9/09/2020	30/06/2024	IN PROGRESS	Increasing the number of growers that have adopted improved property-specific nutrient management plans which contribute to reducing the amount of dissolved inorganic nitrogen and pesticides that run off to our Reef. This is achieved by providing detailed one-on-one advice that can be applied and recorded practically with a focus on improving the quality of water flowing from the region.	Mackay Area Productivity Services Limited	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved inorganic nitrogen and 215 kilograms of pesticides from entering the Reef every year
RP Mackay Whitsunday	WQ-MW-007 - Reef Catchments - Major Grants Project	\$2,500,000	10/05/2021	30/06/2024	IN PROGRESS	Supporting the administration of a pool of funds to be made available for growers to implement activities that improve the quality of water flowing from the Mackay Whitsundays region	Reef Catchments Ltd	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved inorganic nitrogen and 215 kilograms of pesticides from entering the Reef every year
RP Mackay Whitsunday	WQ-MW-008 - SRA - Cane to Creek MW	\$2,112,354	17/09/2020	31/10/2023	IN PROGRESS	Building on the early learnings and accelerating the adoption of improved nutrient and pesticide management strategies that	Sugar Research Australia Ltd	Central	The Mackay Whitsunday regional program is aiming to stop at least 26 tonnes of dissolved

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Completed?</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
						contribute to the reduction of dissolved inorganic nitrogen and pesticides			inorganic nitrogen and 215 kilograms of pesticides from entering the Reef every year
RP Mackay Whitsunday	WQ-MW-010 - Terra Carbon - Reef Credits	\$1,600,000	8/06/2022	30/06/2024	IN PROGRESS	The Reef Credit Scheme is a market-based incentive mechanism, designed to improve the Great Barrier Reef water quality. Landowners generate and sell Reef Credits that result from validated and audited activities achieving reductions in sediment, pesticide and nutrient pollution. Reef Credits are then sold to a range of buyers such as government, corporate, industrial or philanthropic entities. Terra Carbon Pty Ltd, part of the GreenCollar group of companies, will work closely with GBRF and relevant Regional Program Managers, Partnership Coordinators and other Delivery Providers to ensure Reef Credits projects focus on activities and actions that are complimentary to past and current projects in order to achieve the greatest water quality improvement.	Terra Carbon Pty Limited	Non-specified - multiple sites	This investment aims to reduce dissolved inorganic nitrogen runoff by 14.7 tonnes in the Pane Creek and Pioneer catchments, 11.1 tonnes in the Lower Burdekin and 11.1 tonnes in the Lower Herbert.
RP Mary	WQ-MA-001 - Burnett Mary Regional Group - Mary River Recovery Project	\$9,000,000	18/08/2020	30/06/2024	IN PROGRESS	The program will involve large-scale restoration of eroding riverine areas, revegetation work, community engagement activities and Traditional Owner involvement. These activities will deliver directly against the targets identified in the Reef 2050 Water Quality Improvement Plan. Other benefits from the program will include building on existing on-ground projects, improving grazing practices, comprehensive monitoring and evaluation and communications and promotion.	Burnett Mary Regional Group for Natural Resource Management Ltd	Southern	Together this consortium will deliver the Mary River Recovery project, which aims to reduce the amount of fine sediment from the Mary River that enters the Reef by 26,000 tonnes per year.
RP Russell Mulgrave	WQ-MR-001 - Farmacist - Precision to Decision	\$3,000,000	21/10/2021	30/06/2024	IN PROGRESS	This project will fast track the delivery of essential base data and an extension program to Mulgrave Russell sugarcane	Farmacist Pty Ltd	Central	The Mulgrave Russell Regional Water Quality Program aims to stop 72 tonnes of dissolved

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						growing catchments. The project is targeting 6,600 hectares of cane land, with growers supported to move from C to B and B to A class practice for nutrient management. The project aims to deliver 7,755 kg of dissolved inorganic nitrogen load reduction (as per P2R Projector Tool (version 3) estimates).			inorganic nitrogen from entering the Reef every year.
RP Russell Mulgrave	WQ-MR-002 - JCU - Mulgrave Russell Water Quality Program	\$1,556,850	10/12/2021	30/06/2024	IN PROGRESS	This water quality monitoring project aims to change farmer behaviours and improve farm management practices across the Russell-Mulgrave district, resulting in better water quality, farm productivity and sustainability.' The project will support other on-ground farmer extension and trust framework development through robust, participatory, localised water quality monitoring, co-designed with local farming stakeholders.	James Cook University	Central	The Mulgrave Russell Regional Water Quality Program aims to stop 72 tonnes of dissolved inorganic nitrogen from entering the Reef every year.
RP Upper & East Burdekin	WQ-UE-001 - NQ Dry Tropics - Herding change through grassroots recovery	\$5,100,000	14/01/2021	30/06/2024	IN PROGRESS	The program will support one-on-one extension, peer-to-peer programs and targeted on-ground works in high-priority areas. This will include delivering property management plans that pinpoint highly erosive landscape features and grazing management practices, identify action plans to address degraded landscapes and establish monitoring sites to assess progress. Producer groups will be established to deliver shared local ideas, develop project efficiencies and implement strategies for intervening in water quality issues at a sub-catchment level. A competitive incentive program will be used to support landholders to adopt practice changes that demonstrate large-scale water quality outcomes.	NQ Dry Tropics Ltd	Central	The Upper and East Burdekin program aims to reduce long-term annual run-off of fine sediment by 49,000 tonnes per year by supporting landholders to adopt grazing practices that maintain and encourage improvement of end-of-dry-season ground cover.

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Completed?</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
RP Upper Herbert	WQ-UH-001 - FNQ NRM Ltd - Upper Herbert Sediment Reduction Project	\$3,200,000	23/03/2021	30/06/2024	IN PROGRESS	The project will focus on land condition improvement, an enhanced understanding of soil and grassland systems, and rotational grazing methodologies.'	FNQ NRM Ltd t/a Terrain Natural Resource Management	Central	To prevent 4.082 tonnes of fine sediment from leaving the catchment each year.

## COTS PROJECT SUMMARY

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
Control Innovation Program	CO-IP-001 - AIMS - COTS Collaboration	\$1,416,121	13/05/2021	30/06/2024	A new Research and Development program that delivers innovations around the current and future management of COTS outbreaks. Investment will focus on three themes: prediction, detection and response.	Australian Institute of Marine Science	Non-specified - multiple sites	Investment will improve capacity to suppress the current and impending (2025) outbreak including the development of new monitoring and surveillance technologies.
Control Innovation Program	CO-IP-P03 - USYD - Juvenile ecology and resilience	\$188,284	2/12/2021	30/01/2024	Research project on the biology and ecology of juvenile crown-of-thorns starfish.	University of Sydney	Non-specified - multiple sites	Addressing critical knowledge gaps on the role juvenile coral-eating starfish play in outbreaks to help inform COTS Control and Management activities.
Forum	CO-IW-105 - Reef and Rainforest Research Centre - RRRRC COTS Forum 2020 Consultancy Agreement	\$103,115	18/12/2019	1/05/2021	The International Crown-of-Thorns Starfish Control Forum is a collaborative effort between the Reef Trust Partnership and the Reef and Rainforest Research Centre (RRRC).	Reef and Rainforest Research Centre Ltd (RRRC)	NA - Not location specific eg consulting	The inaugural international forum has brought those currently involved in COTS control, from researchers, rangers, vessel operators, industry, and experts, both domestic and abroad, together to review and discuss the current state of knowledge for COTS Integrated Pest Management (IPM) control and to share and discuss opportunities for future innovation in this area.

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
In water COTs Control	CO-IW-101 - GBRMPA - COTS Control 2019 Subgrant Agreement - The Commonwealth of Australia acting through the Great Barrier Reef Marine Park Authority	\$1,409,000	24/12/2019	30/09/2020	The largest scale on-ground intervention program on the GBR. This program reduces coral loss from COTS outbreaks at high-value reefs. Every day, 5 vessels and 100+ divers are out on the Reef to survey and remove Crown-of-thorns Starfish.	The Commonwealth of Australia acting through the Great Barrier Reef Marine Park Authority	NA - Not location specific e.g consulting	253 high value reefs are actively managed to protect coral from COTS. 276,623 COTS culled over 35,667 diving hours. Improved governance has been developed to enhance collaboration and data sharing between vessels and divers.
In water COTs Control	CO-IW-201 - GBRMPA - COTS Control	\$15,090,644	29/05/2020	1/10/2022	The largest scale on-ground intervention program on the GBR. This program reduces coral loss from COTS outbreaks at high-value reefs. Every day, 5 vessels and 100+ divers are out on the Reef to survey and remove Crown-of-thorns Starfish.	The Commonwealth of Australia acting through the Great Barrier Reef Marine Park Authority	Non-specified - multiple sites	253 high value reefs are actively managed to protect coral from COTS. 276,623 COTS culled over 35,667 diving hours. Improved governance has been developed to enhance collaboration and data sharing between vessels and divers.
In water COTs Control	CO-IW-202 - RRRC - COTS Control 2020 to 2022	\$15,105,353	29/05/2020	1/10/2022	The largest scale on-ground intervention program on the GBR. This program reduces coral loss from COTS outbreaks at high-value reefs. Every day, 5 vessels and 100+ divers are out on the Reef to survey and remove Crown-of-thorns Starfish.	Reef and Rainforest Research Centre Ltd (RRRC)	Non-specified - multiple sites	253 high value reefs are actively managed to protect coral from COTS. 276,623 COTS culled over 35,667 diving hours. Improved governance has been developed to enhance collaboration and data sharing between vessels and divers.
In water COTs Control	CO-IW-204 - RRRC - COTS Control 2022-2024	\$10,346,360	18/05/2022	30/06/2024	This program reduces coral loss from COTS outbreaks at high-value reefs. It is the largest scale on-ground intervention program on the GBR. Every day, 5 vessels and 100+ divers are out on the Reef to survey and remove crown-of-thorns starfish.	Reef and Rainforest Research Center	Non-specified - multiple sites	253 high value reefs are actively managed to protect coral from COTS. 276,623 COTS culled over 35,667 diving hours. Improved governance has been developed to enhance collaboration and data

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
								sharing between vessels and divers.
Independent Review	CO-IW-104 - Murdoch University - Independent Review	\$82,555	7/06/2019	30/06/2020	The focus of this review is to provide a scientific assessment of the effectiveness and efficiency of the COTS control program at protecting coral cover at key sites.	Murdoch University	NA - Not location specific e.g consulting	Provides an evidence base on the effectiveness of an Integrated Pest Management approach for COTS Control.

## RRAS PROJECT SUMMARY

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
Governance & Transition Inv	AIMS - RRAS Consultation Agreement	\$314,900	24/08/2020	24/02/2021	Establish the conceptual framework and roadmap for the integration of information and models to inform RRAP decisions.	Australian Institute of Marine Science	Non-specified - multiple sites	Framework and roadmap articulating how information, models and decision support tools could integrate into a RRAP-wide M&DS system and be effectively operationalised; Early guidance to information providers & modellers on how they interact with and support decision making in RRAP; and enable RRAP decision makers to gain greater visibility on priority information and modelling to inform R&D decisions.
Governance & Transition Inv	AIMS - RTP Spawning - EXPIRED	\$900,000	8/11/2018	31/12/2020	Developing methods to fast-track knowledge to breed, settle and field deploy corals required for restoration at scale.	Australian Institute of Marine Science	Non-specified - multiple sites	Several selected species were spawned, fertilised and reared in the National Sea Simulator at AIMS. A number of different settlement devices were trialled and settled coral larvae have been deployed on the reef, where survival rates are being monitored.
Governance & Transition Inv	RRAP - CSIRO - Restoration Engagement Plan	\$45,000	2/06/2020	31/12/2020	Undertake key activities required to address a time-sensitive critical gap in resources to operationalise best-practice engagement approaches that will benefit RRAP and local reef restoration initiatives	Commonwealth Scientific and Industrial Research Organisation	Northern	Increased information exchange between regional partners and RRAP researchers; Building a foundation for social license to operate though

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
								enhanced local participation and awareness; Clear pathways for RRAP intervention leads to connect with regional partners; Robust processes to support action learning and adaptive management of engagement strategies at local and RRAP levels
Governance & Transition Inv	RRAP Regulatory Use Cases	\$142,000	26/03/2019	31/07/2019	Developing hypothetical use cases for regulatory and permitting planning for the RRAS program (separate from the R&D subprogram which will develop a framework for systematically evaluating the regulatory evaluation process itself).	The University of QLD	Non-specified - multiple sites	Case studies of reef restoration interventions and associated regulatory learnings and recommendations.
Governance & Transition Inv	RRAS - AIMS - RTP RRAP Bleaching Processes	\$1,233,003	8/11/2018	30/11/2022	To collect field based information during a bleaching event to fill critical knowledge gaps associated with proposed environmental adjustment interventions (shading).	Australian Institute of Marine Science	Northern	Experimental data on survival and recovery rates of corals following bleaching event with or without solar radiation management intervention
R&D Program	RRAS - TBWA - Communications	\$150,000	4/02/2022	30/08/2022	TBWA communications and marketing consultancy to amplify and position RRAP as world-leading R&D Program.	TBWA Melbourne Pty Ltd	NA - Not location specific eg consulting	Developing and delivering RRAP Communications positioning, strategy and products for strategic investment and global leadership communications.

## RRAP Sub-Program Contracted Investment Schedule

Subprogram	Project ID	R&D Parties Coordinator in Bold	Contracted budget (\$,000)		Commencement date	Completion Date	Total 4-yr budget (\$,000)	
			Total	RTP only			Total	RTP only
Cryopreservation	RRAP-CP-01-V1 Cryopreservation	Taronga	3,351	2,592	1/10/2020	30/06/2024	3,351	2,592
Cooling and Shading	RRAP-CS-01-V1 GBR Atmospheric survey	SCU, QUT	2,269	1,520	1/10/2020	31/12/2022	2,269	1,520
	RRAP-CS-02-V1 Atmospheric and meteorological monitoring	QUT, SCU	809	542	1/10/2020	1/07/2024	1,384	927
	RRAP-CS-03 Environmental Monitoring	* SCU, CSIRO	2,369	1,588	1/10/2020	30/06/2024	4,839	3,244
	RRAP-CS-04-V1 Sub-program management	SCU	4,908	4,140	1/10/2020	1/07/2024	14,466	13,327
	RRAP-CS-05 Systems Engineering	* SCU	887	593	1/10/2020	30/06/2024	1,537	1,029
	RRAP-CS-06 Cloud and Sky Brightening Development	* SCU, QUT	4,285	2,870	1/10/2020	30/06/2024	9,024	6,046
	RRAP-CS-07 Fogging Development	* SCU, QUT	1,580	1,060	1/10/2020	30/06/2024	2,631	1,763
Coral Aquaculture and Deployment	RRAP-CAD-01-V1 Coral propagation and deployment	AIMS, JCU, QUT, UQ, SCU	5,644	3,780	1/10/2020	1/07/2024	10,137	6,792
	RRAP-CAD-02 Engineering Large Scale Coral Aquaculture	* AIMS, JCU	2,567	1,722	1/10/2020	30/06/2024	4,611	3,089
	RRAP-CAD-03-V1 Sub-program management and field work	AIMS	3,843	2,334	1/10/2020	1/07/2024	8,615	5,772
EcoRRAP	RRAP-ECO-01-V1 Integrated field-testing + sub-prog management	AIMS, CSIRO, UQ, JCU	4,836	3,216	1/10/2020	1/07/2024	9,370	6,253
	RRAP-ECO-02-V1 Limits to early recovery	CSIRO, UQ	2,703	1,795	1/10/2020	1/07/2024	5,066	3,368
	RRAP-ECO-03-V1 Ecological and genetic adaptation	AIMS, UQ	3,118	2,486	1/10/2020	1/07/2024	5,068	3,794
Enhanced Corals and Treatments	RRAP-ECT-01-V1 Genetic basis of key traits	AIMS, SCU, CSIRO	1,058	708	1/10/2020	30/06/2024	2,005	1,343
	RRAP-ECT-02 Assisted Evolution	* AIMS, CSIRO, SCU	3,625	2,430	1/10/2020	30/06/2024	6,544	4,387
	RRAP-ECT-03 Prokaryotes treatments and coral nutrition	* AIMS, UQ	2,614	1,738	1/10/2020	30/06/2024	4,900	3,228
Stakeholder and Traditional Owner Engagement	RRAP-ENG-01-V1 Stakeholder and TO engagement	JCU, CSIRO, QUT, UQ	4,110	2,739	1/10/2020	1/07/2024	8,177	5,449
	RRAP-ILA-01-V1 Logistics modelling	QUT, AIMS	574	385	1/10/2020	1/07/2024	1,163	779

Integrated Logistics and Automation	RRAP-ILA-02-V1 Industry development		AIMS, QUT	714	479	1/10/2020	1/07/2024	1,561	1,046
	RRAP-ILA-03-V1 Engineering support		AIMS, QUT	652	549	1/10/2020	1/07/2024	1,450	1,238
	RRAP-ILA-04-V1 Automation prospecting and progression		QUT	177	119	1/10/2020	1/07/2024	1,221	817
Moving Corals	RRAP-MC-01-V1 Moving Corals		SCU, CSIRO, QUT, AIMS	4,072	2,728	1/10/2020	1/07/2024	8,239	5,519
Modelling and Decision Support	RRAP-M&DS #1 Program Management and Operations	*	Adaptus, AIMS, CSIRO, QUT, UQ	3,069	2,040	1/10/2020	30/06/2024	8,244	5,531
	RRAP-M&DS #2 Information Systems Development	*	CSIRO	898	602	1/10/2020	30/06/2024	1,755	1,176
	RRAP-M&DS #3 Decision Systems Development	*	AIMS, CSIRO, QUT	1,694	1,144	1/10/2020	30/06/2024	2,345	1,579
	RRAP-M&DS #4 ReefMod Model Development	*	UQ, JCU	1,306	895	1/10/2020	30/06/2024	2,465	1,676
	RRAP-M&DS #5 EReefs and CoCoNet Model Development	*	CSIRO	681	456	1/10/2020	30/06/2024	1,687	1,130
	RRAP-M&DS #6 IPMF Model Development	*	AIMS	577	387	1/10/2020	30/06/2024	1,019	683
Regulatory	RRAP-REG-01-V1 Regulatory		UQ, JCU	1,426	955	1/10/2020	1/07/2024	2,765	1,854
Rubble Stabilisation	RRAP-RS-01-V1 Rubble location, prediction and sub-program management		UQ, QUT, AIMS	5,102	3,447	1/10/2020	1/07/2024	7,101	4,718
	RRAP-RS-02-V1 Approaches to stabilisation		QUT, UQ	124	124	1/10/2020	1/07/2024	646	497
	RRAP-RS-03-V1 Synthesis and Tools		UQ, QUT	366	250	1/10/2020	1/07/2024	841	580
Program Management	RRAP Managing Entity Services Agreement		AIMS	7,562	5,913	1/10/2020	30/06/2024	14,458	11,044
TOTAL				83,570	58,326			160,954	113,790

## TRADITIONAL OWNER REEF PROTECTION PROJECT SUMMARY

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Completed ?</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
COTS	TO-RP-001 - RRRC - COTS Control and Leadership Training	\$1,421,340	7/12/2021	30/06/2024	IN PROGRESS	The Crown-of-Thorns Starfish Manual Control and Leadership Program will deliver qualifications and leadership skills to a cohort of Reef Traditional Owners to enable strong management of Sea Country. Training will be delivered in Cairns and on Sea Country throughout North Queensland with a particular focus on crown-of-thorns starfish (COTS) pest control.	Reef and Rainforest Research Centre Ltd (RRRC)	Non-specified - multiple sites	This project will give the participants the qualifications and experience necessary to gain employment in the manual control of COTS and other GBR based industries such as tourism and marine logistics.
Early Investments	TO-EI-101 - Balkanu Cape York - Dabju Jajikal Land and Sea Country	\$149,400	20/05/2019	30/09/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to	Balkanu Cape York Development Corporation Pty Ltd	Northern	Focus area: Country-based planning  This project supports the development of a sea country plan through a series of on-country meetings and workshops and culminating in the production of a plan in the form of a book, video and audio recordings. Future workshops are also planned to ensure commitments made during the initial phases are acted on.

						<p>implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <ol style="list-style-type: none"> <li>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</li> <li>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</li> <li>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative</li> </ol>			
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						opportunities within communities.			
Early Investments	TO-EI-102 - Dawul Wuru - Yirrganydji Sea Country Plan	\$150,000	20/05/2019	30/04/2021	IN PROGRESS	<p>Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing</p>	Dawul Wuru Aboriginal Corporation	Central	<p>Focus area: Implementation of existing- Country-based plans</p> <p>Dawul Wuru Aboriginal Corporation developed the community endorsed Yirrganydji Sea Country Plan which was publicly released in 2014. The plan was developed so government agencies, researchers, industry and the wider Australian community could better understand what sea country means to Yirrganydji people, the concerns they have and how they need to be dealt with. However the Yirrganydji Sea Country Plan has unfortunately never been fully implemented due to a lack of funding. This project will take the next step in Yirrganydjis management journey and establish a clear pathway for the future management of the ecological and cultural values and aspirations set out in their community endorsed Sea Country Plan.</p> <p>Establishing a keeping place, developing a cultural heritage policy and protocols, cultural and bio-cultural mapping and knowledge documentation, cultural management statements to provide management guidance, Welcome to Country and Acknowledgement of Country Yirrganydji protocols,</p>

						<p>three key focus areas:</p> <p>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p> <p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>		<p>commercial cultural tourism experience to build recognition, awareness and to promote an understanding of, and respect for, Yirrganydji culture and country.</p> <p>To increase engagement in, access to and equal benefits of research, data collection and monitoring sea country and biodiversity we will undertake a review of existing and current research and monitoring activities, develop a strategic research and monitoring framework, develop protocols for researchers, build research and monitoring partnerships in the areas identified as knowledge gaps, investigate opportunities to develop fee for service arrangements with researchers and develop a Yirrganydji cross cultural awareness training program for researchers and research institutions.</p> <p>To effectively engage with the wider community to build recognition, awareness and to promote an understanding of, and respect for, Yirrganydji culture and country we will develop a range of informative, interpretative and educational materials, services and products to promote to the wider community an understanding of, and respect for, Yirrganydji culture and country and develop a Yirrganydji cross cultural awareness training</p>
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									program for public sector organisations and corporates.
Early Investments	TO-EI-103 - Dawul Wuru - Yirrganydji Junior Rangers	\$50,000	20/05/2019	30/04/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component. Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas: 1) Supporting Traditional Owner	Dawul Wuru Aboriginal Corporation	Central	The project will support Yirrganydji Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within our community. The Yirrganydji Indigenous junior ranger program will provide a fun way for children to learn about looking after country today and into the future. Education is not just about learning. It is about understanding the issues confronting our country and changing behaviors so we can pass on our country to future generations. The importance of education in schools is fundamental to the development of the skills and attitudes necessary to help people make sound decisions throughout their lives. We want to ensure that strong cultural, environmental and sustainability values are incorporated in curriculums. We want to support this in a practical way, by providing resources, training for teachers and other educators, and demonstration of an integrated approach. Education has a key role to play in caring for our country. We have an important leadership role to promote to the wider community an understanding of, and respect for our culture, our country, our people and the contemporary issues that affect our people and community.

						groups to undertake (land and sea) country-based planning.2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.			
Early Investments	TO-EI-104 - Djarnda Enterprises - Wulgurukaba Land and Sea Country - TERMINATED	\$111,165	20/05/2019	30/06/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and	Djarnda Enterprises Pty Ltd	Central	<p>Focus area: Country-based planning</p> <p>The project supports the Wulgurukaba Traditional Owners to revisit their existing Sea Country Plan in order to address gaps and establish baselines relating to resources. The area of sea country for which the plan is being renewed is the subject of significant development pressure making an updated Sea Country Plan important for the management of the area. This plan renewal aims to make clear the things of value, the obligations held and the actions to take in partnership with others to ensure a sustainable future for land and sea country. Finalising a whole of Country plan will form an important role in progressing implementation of an MoU</p>

						<p>has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <p>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p> <p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>			<p>with Queensland National Parks and will assist establishment of a Co-Governance framework for the future management of the Magnetic Island National and Marine Park. An opportunity to renew the current plan assists in providing a framework for these negotiations to strengthen and progress.</p>
Early Investments	TO-EI-105 - Gidarjil - Belbendimin Wugun Djau (Caring for Sea Country)	\$100,000	10/04/2019	30/06/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner	Gidarjil Development Corporation Ltd	Southern	<p>Focus area: Country-based planning</p> <p>This project aligns with the vision and objectives of the PCCC Sea Country</p>

						<p>Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas: 1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p>			<p>Management Plan 20192025 and addresses the priorities of the PCCC TUMRA (Traditional Use of Marine Resources Agreement) which describes how Traditional Owners manage their sea resources within the Great Barrier Reef Marine Park. The project will address the major knowledge gaps that exist regarding in-shore coral reefs, oyster reefs and water quality in the southern GBR.</p>
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						<p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>			
Early Investments	TO-EI-106 - Gidarjil - Cadet and Junior Ranger Program	\$50,000	3/06/2019	30/06/2021	IN PROGRESS	<p>Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnerships should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant</p>	Gidarjil Development Corporation Ltd	Southern	<p>Focus area: Junior ranger activities</p> <p>The most concerning issue identified by the Port CCC elders of Gidarjil's CFC Steering Committee during the last few years is the loss of traditional knowledge within the PCCC Traditional Owner community. They identified two key strategies towards maintaining and building such knowledge: Rangers and elders collaborating and engaging with youth, to transfer traditional knowledge; Rangers and elders collaborating to record traditional knowledge for other PCCC traditional owners access. The project fosters engagement pathways between elders, rangers and youth primarily through three 5-day camps on country to facilitate the transfer of traditional knowledge whilst re-connecting to country. Citizen science activities (Seagrass-Watch, Australian Marine debris Initiative, &amp; MangroveWatch) and</p>

						round under the Traditional Owner Reef Protection Component. Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.			Queensland Turtle Conservation Project (Nest to Ocean) and the Australian Marine Debris Initiative (AMDII) providing Cadet and Junior Rangers insights into how indigenous rangers marry traditional knowledge with western scientific knowledge.
Early Investments	TO-EI-107 - Girringun - Maritime Project	\$150,000	11/04/2019	31/12/2020	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea	Girringun Aboriginal Corporation	Central	<p>Focus area: Junior ranger/ranger activities</p> <p>The Girringun Maritime Project delivers a maritime training and education program ensuring Traditional Owners obtain necessary maritime skills and qualifications to participate in on-ground implementation activities, focusing on developing the maritime skills</p>

						<p>country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <p>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p> <p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting</p>			<p>of Saltwater Traditional Owners within the Giringun TUMRA region being the Traditional Owners of the Bandjin, Djiru, Girramay, Gulngay, Nywaigi and Warrgamay Peoples whilst creating awareness of the Giringun TUMRA and Aboriginal culture in relation to the Great Barrier Reef.</p>
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						Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.			
Early Investments	TO-EI-108 - Girringun - Junior Ranger Camp	\$50,000	11/04/2019	30/06/2021	IN PROGRESS	<p>Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with</p>	Girringun Aboriginal Corporation	Central	<p>Focus area: Junior ranger activities</p> <p>The Girringun Junior Ranger Camp brings together Elders and rangers to share cultural knowledge of Girringun Sea Country to young people across the nine Traditional Owner groups that Girringun Aboriginal Corporation represents. The Girringun Junior Ranger Camp (held over 3 days) educates and shares cultural knowledge of the Girringun Sea Country to the Girringun Junior Ranger Program. Youth engagement and expansion of the existing Girringun Junior Ranger program has been identified by Girringun Aboriginal Corporation (GAC) Traditional Owner member groups as an immediate priority (outlined in the Girringun Region Indigenous Protected Areas Plan of Management), and this project addresses this through maintaining and preserving cultural practices and way of life in a way that meaningfully engages young people and strengthens their traditional knowledge and sense of belonging to community.</p>

						<p>the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <p>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p> <p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>			
Early Investments	TO-EI-109 - Ipima Ikaya - Cape York GBR Sea Country Management Plan	\$147,163	20/05/2019	30/09/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may	Ipima Ikaya Aboriginal Corporation RNTBC	Northern	Focus area: Country-based planning This project supports the development of a country-based plan developed by the two Traditional Owner clans with cultural authority for the Northern Peninsular Area of Cape York. We do not have a sea country management plan and feel that this is becoming crucial. As Traditional Owners of the area we are really concerned that non-Traditional Owners and non-Indigenous people are disrespectful of both the marine park and our sea

						<p>already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component. Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <ol style="list-style-type: none"> <li>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</li> <li>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</li> <li>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</li> </ol>			<p>country. There is not a coordinated approach to the management of the marine park area, there are no sea rangers, there is limited availability of GBRMPA staff, Fisheries staff and QLD Water Police and so basically everyone is doing what they want and there are no real restrictions or consequences for misuse of the resources or damage to the environment. Some individual clan members are included in Reef Rangers research trips but the majority of the clan do not know what is happening in their sea country. A coordinated and transparent approach to our reef area is necessary and urgent.</p>
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Early Investments	TO-EI-110 - Jabalbina Yalanji - Daintree Coast, Reef and Islands Management Plan	\$150,000	2/05/2019	30/09/2021	IN PROGRESS	<p>Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p>	Jabalbina Yalanji Aboriginal Corporation RNTBC	Central	<p>Focus area: Country-based planning</p> <p>Eastern Kuku Yalanji Traditional Owners identified the need to strengthen sea country planning and establish a sea ranger program during Indigenous Protected Area Planning (IPA) and consultations to develop the Jabalbina Yalanji Aboriginal Corporation strategic plan in 2016. In 2017 an Elders sea country workshop in Wujal Wujal agreed the need to establish a steering committee and funding for a position to undertake planning across Eastern Kuku Yalanji Sea Country. However, limited funding has prevented this planning from progressing further. Elders and Traditional Owners have monitored the change over their lifetimes and can see that the sea country is not as healthy as it once was. They have identified overfishing and hunting by commercial and non-commercial operators, as well as traditional and non-traditional owners of the area affecting resident reef fish species, turtles, dugong and crocodiles. Other impacts that need to be planned for and managed include farming operations adjacent to the sea country as well as many under-researched aspects such as climate change and over-visitation by the tourism industry. Other threats that</p>
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						<p>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p> <p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>			<p>have been identified in Indigenous Protected Area Planning and the Daintree Management Planning process include, but are not limited to; Bama having limited access to country, a lack of resources for management capacity, culture losing strength due to disconnection to country, fire management on the island not being carried out in a traditional way, invasive plants and animals, feral pig and animal effects, disrespectful visitors and tourism protocols.</p>
Early Investments	TO-EI-111 - Juru Enterprises - Heritage Protection	\$87,648	20/05/2019	30/09/2021	IN PROGRESS	<p>Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners</p>	Juru Enterprises Ltd	Central	<p>Focus area: Country-based planning This project supports the development of a Country-based management plan that will identify, collate and review existing information, reports, data and knowledge of heritage areas within the area. This will be the foundation for Traditional Owners to develop and sustain strong partnerships with Government and NGOs to protect Country and the marine estate. The project will provide a platform for Traditional Owners to discuss and document their aspirations for management of their Country.</p>

						<p>over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component. Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas: 1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning. 2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans. 3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>			
Early Investments	TO-EI-112 - Mandubarra - Junior Ranger Program	\$50,000	3/06/2019	30/06/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove	Mandubarra Aboriginal Land and Sea Inc.	Central	Focus area: Junior ranger activities The Mandubarra Junior Ranger Project establishes a strategy and protocols for who, how, when and why cultural knowledge is shared. Through the development of educational tools and delivery of camps

						<p>Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component. Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas: 1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning. 2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans. 3) Supporting</p>			<p>and other events, Mandubarra elders will share traditional wisdom and culture, transferring knowledge to young Traditional Owners and increasing awareness and respect of Mandubarra culture amongst the wider community.</p>
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						Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.			
Early Investments	TO-EI-113 - Radiant Life - Goondoi Junior Rangers Program	\$49,400	10/04/2019	29/11/2019	IN PROGRESS	<p>Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with</p>	Radiant Life Education Ltd	Central	<p>Focus area: Junior ranger activities</p> <p>The Goondoi Junior Rangers Program provides opportunities for elders to spend time with young ones to pass on cultural knowledge about their country, through school-based activities and camps.</p>

						<p>the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <p>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p> <p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>			
Early Investments	TO-EI-114 - South Cape York Catchments - Healthy Country Planning for Normanby Country	\$100,000	10/04/2019	30/06/2021	IN PROGRESS	<p>Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already</p>	South Cape York Catchments Inc	Northern	<p>Focus area: Country-based planning</p> <p>Normanby Station is situated in the heart of the fourth largest Great Barrier Reef river catchment. This project enables a Country-based plan to be created that guides future land management practices, stakeholder investment and business enterprises whilst ensuring compatibility with customary obligations, linking cultural and natural values together.</p>

						<p>exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <ol style="list-style-type: none"> <li>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</li> <li>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</li> <li>3) Supporting Indigenous junior ranger programs that provide</li> </ol>			
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						leadership, resilience and collaborative opportunities within communities.			
Early Investments	TO-EI-115 - Wuthathi - Rangers Caring for Land and Sea	\$150,000	22/05/2019	30/06/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component. Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing	Wuthathi Aboriginal Corporation RNTBC	Northern	Focus area: Junior ranger/ranger activities The Wuthathi Rangers Caring for Land and Sea Project enhances the provision of ranger services to the Shelburn Bay and Lockhart River area.

						three key focus areas:1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.			
Early Investments	TO-EI-116 - Wuthathi - Youth Ranger Program	\$50,000	22/05/2019	30/06/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by	Wuthathi Aboriginal Corporation RNTBC	Northern	<p>Focus area: Junior ranger activities</p> <p>This project establishes a Junior Ranger Program that coincides with school holidays and is based on visits to Wuthathi Country adjacent to and on Shelburn Bay. The program reconnects youth to their culture through caring for their land using traditional and scientific approaches and on-going mentoring that equips participants to be future leaders.</p>

						<p>Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <p>1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.</p> <p>2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.</p> <p>3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.</p>			
Early Investments	TO-EI-117 - Yuka-Baja-Muliku - Annan River	\$150,000	10/04/2019	30/09/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong	Yuku-Baja-Muliku	Northern	Focus area: Country-based planning

	and Coastlines critical value and habitat					<p>message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component.</p> <p>Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:</p> <p>1) Supporting Traditional Owner groups to undertake</p>	Landowner & Reserves Ltd		<p>This project establishes long-term monitoring programs that collect scientific and critical cultural information across many different areas including water quality, fish communities, mangroves, key cultural species and impacts such as pollution, plastics and marine debris on Yuku Baja Muliku Country. This facilitates formal opportunities for Traditional Owners, scientists and NRM managers to work together to collect and record data and for everyone to look at data analysis together so that YBM Traditional Owners can make informed decisions about how to best look after their Country.</p>
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						(land and sea) country-based planning. 2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans. 3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.			
Early Investments	TO-EI-118 - Yuka-Baja-Muliku - Junior Ranger Project	\$50,000	10/04/2019	30/06/2021	IN PROGRESS	Great Barrier Reef Traditional Owners provided a strong message at the Reef-wide Traditional Owner Forum, held in May 2018 at Palm Cove Queensland, that investment under the Reef Trust Partnership should focus on land and sea country planning and where these plans may already exist, then support should be provided to Traditional Owners to implement them. This message is consistent with views expressed by Traditional Owners over past decades and has informed	Yuku-Baja-Muliku Landowner & Reserves Ltd	Northern	Focus area: Junior ranger activities This project funds a full-time Junior ranger co-ordinator to operate and expand the existing successful program that is currently run in Cooktown. The YBM Junior Ranger Program runs weekly after school and has been supported and run by YBM Indigenous rangers in the past. With a dedicated project officer in place, the program can be expanded, and many more environmental and cultural extension activities can be designed and delivered. In addition to the junior ranger program, the coordinator drives the establishment of the YBM Cadet Ranger Program for high school aged students.

						the selection of the key focus areas for the first open grant round under the Traditional Owner Reef Protection Component. Co-designed with the Traditional Owner Advisory Group, this \$1.8 million program was launched in early 2019 addressing three key focus areas:1) Supporting Traditional Owner groups to undertake (land and sea) country-based planning.2) Supporting Traditional Owner groups to implement their (land and sea) country-based plans.3) Supporting Indigenous junior ranger programs that provide leadership, resilience and collaborative opportunities within communities.			
IMR	TO-IM-001 - Terri Janke - True Tracks Training	\$17,800	24/05/2021	30/06/2021	IN PROGRESS	The Traditional Owner Integrated Monitoring and Reporting Technical Working Group through its co-design process with the GBRF will work with Intellectual Property expert , Terri Janke to	Terri Janke and Company Pty Ltd	Northern	as above

						understand Indigenous Cultural and Intellectual Property Rights as they relate to the work that is being done on the implementation of the Strong People Strong Country program. A workshop (True Tracks) will be a core part of the deliverable which will provide the opportunity to compare and contrast the current processes associated with SPSC			
IMR	TO-IM-002 - Environmental Systems Solutions - On-ground Coordination & Data Management	\$748,350	1/03/2022	30/06/2024	IN PROGRESS	The Traditional Owner Integrated Monitoring and Reporting (TOIMR) Pilot Project aims to support Great Barrier Reef Traditional Owners to use the Strong Peoples Strong Country Framework to monitor the health and condition of Indigenous heritage across the GBR region. The project is a collaborative endeavour involving the TOIMR Project team (including representatives from the Great Barrier Reef Foundation and the	Environmental Systems Solutions Pty Ltd	Non-specified - multiple sites	Data support and data management with Traditional Owner groups trialling the SPSC framework

						Integrated Monitoring and Reporting Traditional Owner Technical Working group), Great Barrier Reef Traditional Owner groups and Environmental Systems Solutions.			
IMR	TO-IM-003 - Radiant Life / Goondoi - SPSC Pilot	\$263,004	16/06/2022	30/05/2024	IN PROGRESS	This project is a three year investment to Radiant Life/Goondoi to test and run the Strong Peoples-Strong Country Pilot project in their community.	Radiant Life Education Ltd	Northern	Traditional Owners of the Great Barrier Reef and catchments are monitoring the health of their country to understand the conditions and trends of their culture and heritage values and to better inform adaptive management decision-making.
IMR	TO-IM-005 - Wuthathi Aboriginal Corporation RNTBC - SPSC Pilot	\$300,000	1/06/2022	30/05/2024	IN PROGRESS	This project is a three year investment to the Wuthathi Aboriginal Corporation RNTBC to test and run the Strong Peoples-Strong Country Pilot project in their community.	Wuthathi Aboriginal Corporation RNTBC	Northern	Traditional Owners of the Great Barrier Reef and catchments are monitoring the health of their country to understand the conditions and trends of their culture and heritage values and to better inform adaptive management decision-making.
IMR	TO-IM-006 - Yuwi Aboriginal Corporation - SPSC Pilot	\$238,976	24/05/2022	30/05/2024	IN PROGRESS	This project is a three year investment to the Yuwi Aboriginal Corporation RNTBC to test and run the Strong Peoples-Strong Country Pilot project in their community.	Yuwi Aboriginal Corporation RNTBC	Northern	Traditional Owners of the Great Barrier Reef and catchments are monitoring the health of their country to understand the conditions and trends of their culture and heritage values and to better inform adaptive management decision-making.
Leadership & Capacity Building	TO-LC-002 - Chantal Althea Roelofs - WomanSpeak workshops	\$49,909	20/04/2021	20/10/2022	IN PROGRESS	The need to elevate Reef Traditional Owner women's voices is a shared priority for the Foundation and the Reef Trust	Chantal Althea Roelofs	NA - Not location specific e.g consulting	Chantal Roelofs, a licensed WomanSpeak facilitator, will deliver a pilot Women's communication program for up to 15 Traditional Owner women from the Reef and Catchments that builds

						Partnership Traditional Owner Advisory Group. It is also well-documented through the Queensland Indigenous Women's Ranger Network Conference Report (2020), which calls for training and development support to build confidence and position women to share their insights, experience and knowledge			confidence and empowers female voices, starting with the WomanSpeak Foundation Course and continuing with ongoing support for integration and further practice via a twice monthly virtual WomanSpeak Circle.
Leadership & Capacity Building	TO-LC-003 - YBM - QIWRN Support	\$50,000	13/05/2022	30/11/2023	IN PROGRESS	This project will increase the scope and scale of the existing Queensland Indigenous Women's Ranger Network (QIWRN). It will enable more Indigenous women rangers to attend and participate in the two annual QWIRN face to face workshops, and support facilitators to provide the training components of these workshops, which supports development opportunities for these women.	Yuku-Baja-Muliku Landowner & Reserves Ltd	NA - Not location specific e.g consulting	This project supports development opportunities for Indigenous Women Rangers.
Reef Protection Activity Grants	TO-RP-101 - BLHGAC - CAP Project	\$60,000	5/10/2021	30/07/2023	IN PROGRESS	Binthi Land Holding Group Aboriginal Corporation (BLHGAC) are adopting a Cultural	Binthi Land Holding Group Aboriginal Corporation	Northern	Key outcomes include: (1) Adopting a Cultural Heritage Management System (CHMS) to record and manage cultural data. (2) Developing and

						Heritage Management System to record and manage cultural data, develop and implement an On-Country Plan, and attain National Heritage listing status for the culturally significant areas on Binthi country. This project will enable BLHGAC to record, manage and communicate cultural, environmental and business information and enable better knowledge and management of the Reef, including its biophysical, ecological and cultural threats.			implementing an On-Country Plan to schedule engagement and data collection activities for culturally significant Binthi sites. (3) National Heritage Listing nomination and assessment. (4) Improving monitoring, evaluation and reporting/communication of findings. (5) Enhancing recording, organisation and communication of reef-based traditional knowledge. (6) Improving capacity for BLHGAC to deliver projects. (7) Better integrating into regional Reef protection initiatives. (8) Enhancing reporting/communication of cultural knowledge and values related to the Reef.
Reef Protection Activity Grants	TO-RP-102 - Hope Vale Congress AC - CAP Project	\$36,550	3/11/2021	30/07/2023	IN PROGRESS	Hope Vale Congress Aboriginal Corporation is designing and implementing a locally relevant program to sustainably collect and analyse critical water quality, sea grass and turtle nesting data on Congress land. The project will address the existing monitoring gaps for estuaries, coast, wetlands and sea grass meadows on Congress land.	Hope Vale Congress Aboriginal Corporation RNTBC	Northern	Key Outcomes include: (1) Monitoring Program Design - Working in partnership with CYWP to develop a place-based water quality, sea grass bed and turtle nest site monitoring program. (2) Local Implementation - Training at least three local people as Water Monitoring Officers by CYWP scientists, that will undertake six months of water quality, sea grass and turtle nest monitoring under this project. (3) A monitoring framework and data available for Traditional Owners for the on-going implementation and compliance aspects of the TUMRA. (4) A short document

						Local Hope Vale people will work with scientists from the Cape York Water Partnership to design and implement a monitoring program in the coastal and estuarine environments around Hope Vale.			outlining the approach taken and the outcomes. This will be made widely available for use by other Indigenous groups and relevant science agencies to inform future project design and success. (5) Capacity building and employment of Indigenous people.
Reef Protection Activity Grants	TO-RP-103 - Balkanu (Dabujajikal) - CAP Project	\$18,000	5/10/2021	30/06/2023	IN PROGRESS	Dabu Jajikal Aboriginal Corporation are empowering Jajikal Traditional Owners to more effectively manage Balabay (Weary Bay). The project is establishing an Elder Advisory Committee to oversee project activities, develop and implement a basic management plan with active involvement from young people and Dabu Jajikal community. Key project activities include conducting a beach clean-up at Weary Bay, closing illegal tracks in dunes, conducting small scale native revegetation, and installing information and interpretative signage.	Balkanu Cape York Development Corporation Pty Ltd	Northern	Key outcomes include: (1) An improved marine and coastal environment. (2) More empowered Dabu Jajikal Traditional Owners. (3) A plan for future protection and management work. (4) Stakeholders and partners with improved understanding of context and concerns of Dabu Jajikal Corporation for coastal and marine conservation and management.
Reef Protection	TO-RP-104 - MICDA - CAP Project	\$75,000	13/10/2021	30/06/2023	IN PROGRESS	Magnetic island Community	Magnetic Island	Central	Key outcomes include: (1) Updating and maintaining the

Activity Grants						Development Association and the Wulgurukaba Work Group are increasing Traditional Owner participation in on-country initiatives which promote and strengthen cultural heritage and contribute to Great Barrier Reef World Heritage Area protection.	Community Development Association Inc		NQDT cultural database for Magnetic Island. (2) Conducting reef-based monitoring activities. (3) Island based citizen science activities. (4) Local youth engagement and education. (5) Increasing Traditional Owner participation in on-country initiatives which promote and strengthen cultural heritage and contribute to Great Barrier Reef World Heritage Area protection. (6) Increasing opportunities for two-way learning between Traditional Owners, scientists and residents. (7) Increasing opportunities for capacity-building. (8) Traditional Owner training and employment opportunities. (9) Increasing opportunities for Magnetic Island youth and school students to become involved in Traditional Owner-led activities.
Reef Protection Activity Grants	TO-RP-106 - Darumbal Enterprises - CAP Project	\$75,000	21/02/2022	30/06/2023	IN PROGRESS	Darumbal People Aboriginal Corporation are re-starting the BROLGA (Believe. Respect. Openness. Learn. Grow. Achieve.) Program to protect the Reef by bringing Darumbal culture and knowledge to youth and the general community by increasing exposure to land and sea management activities, acting as a conduit for non-	Darumbal Enterprises Pty Ltd	Southern	Key outcomes include: (1) Re-establishing the BROLGA Program under the leadership of Darumbal Enterprises Pty Ltd (DEPL). (2) Recruiting and mentoring a Program Coordinator to maintain the delivery of the bio-cultural program. (3) Establishing a BROLGA Junior Rangers (BJR) Program. (4) Providing experiences for Indigenous youth to learn about various environmental management topics integrating both western and traditional sciences and approaches. (5) Seeking partnerships to commence smaller-scale

						accredited experiential learnings, and building accredited pathways in areas that involve school-based traineeships, and scholarship programs. BROLGA Junior Rangers Program will provide experiences for Indigenous youth to learn about various environmental management topics integrating both western and traditional sciences and approaches.			BROLGA activities that will support growth of the BROLGA Program profile.
Reef Protection Activity Grants	TO-RP-201 - Gidarjil - PCCC Sea Country	\$299,838	15/06/2021	30/06/2024	IN PROGRESS	This three year-complex project includes leadership and capacity building, planning, innovation, partnership development and indigenous heritage value mapping for all 3 Component areas. This project will provide COTS training to Gidarjil rangers to monitor and control COTS on their Sea County, enabling them to become a preferred COTS provider. It expands coral reef monitoring sites, including culturally important seaweed, in southern GBR (Capricorn Bunker	Gidarjil Development Corporation Ltd	Southern	Gidarjil rangers will be able to monitor and control COTS on their Sea County, enabling them to become a preferred COTS provider. This project builds on a previous coral reef monitoring project and will continue to address a significant knowledge gap regarding the extent, diversity and health of coral reefs in the southern Great Barrier Reef.

						group including LEI and Lady Musgrave) and fills data gaps for input into Reef monitoring programs. A coral nursery/coral gardening project for future funding will also be scoped.			
Reef Protection Activity Grants	TO-RP-202 - YBM - Monitoring Evaluation Reporting	\$299,970	14/06/2021	30/06/2024	IN PROGRESS	This project is focused on leadership and capacity building, planning and innovation for Integrated Monitoring and Reporting activities. It is centred on recognising the planning and effective cultural and natural resource management that Yuku Baja Muliku has done over the last 14 years as Traditional Managers and Custodians of Country. This project continues work with elders and scientists to understand data collected and use it to make informed decisions about how to best look after Country.	Yuku-Baja-Muliku Landowner & Reserves Ltd	Northern	The development and implementation of an integrated monitoring, evaluation and reporting (MER) program for the cultural and natural values of Yuku Baja Muliku Country, and training for YBM Women Rangers in the use of drone technology and drone data for managing land and sea Country.
Reef Protection Activity Grants	TO-RP-203 - Yuwi - Cultural Heritage Mapping and Monitoring	\$150,000	14/06/2021	30/06/2023	IN PROGRESS	Focus area: Leadership and capacity building, planning, innovation and indigenous heritage value	Yuwi Aboriginal Corporation RNTBC	Southern	Yuwi Aboriginal Corporation will become more proactive and take the lead in cultural heritage assessments for development occurring on their Country through the

						mapping for Integrated Monitoring and Reporting activities. This project will customise and implement a cultural and environmental information management system (CEIMS) for Yuwi Aboriginal Corporation (YAC) that will be used to record, manage and monitor cultural and environmental heritage of country amid increasing development. This will enable Yuwi to be more proactive/take the lead in cultural heritage assessments for developments that are frequently occurring on their Country.			implementation of a cultural and environmental information management system.
Reef Protection Activity Grants	TO-RP-204 - Tunuba - Darumbal COTS	\$39,680	6/07/2021	30/01/2022	IN PROGRESS	This project is focused on Leadership and capacity building for COTS Control Component activities. It provides an opportunity for Traditional Owners to develop the skills they need to undertake surveying, monitoring, research and future	Tunuba Pty Ltd	Southern	Four Darumbal Traditional Owners will undertake SCUBA and COTS training so they have the capability to manage COTS within their Sea Country in partnership with GBRMPA.

						management of the Swains Reef area.			
Reef Protection Activity Grants	TO-RP-205 - Wuthathi - Seagrass	\$149,710	5/08/2021	30/06/2023	IN PROGRESS	Focus area: Leadership and capacity building, planning, innovation and partnership development for Integrated Monitoring and Reporting activities. This project is building capacity and upskilling Wuthathi Traditional Owners through a combination of workshops and on-Country surveying focusing on seagrasses in Shelburne Bay.	Wuthathi Aboriginal Corporation RNTBC	Northern	Training and capacity building will enable Wuthathi Traditional Owners to conduct seagrass habitat assessments and monitoring in their Sea Country.
Reef Protection Activity Grants	TO-RP-206 - Girringun - Lifeblood Land & Sea	\$297,000	20/08/2021	31/01/2023	IN PROGRESS	Focus area: Leadership and capacity building along with planning and innovation for Reef Restoration and Adaptation Science activities. This project will enable Girringun Aboriginal Corporation to undertake a formal process to confirm and ratify an agreed regional-scale Traditional Owner governance framework to support on-going Reef monitoring and management outcomes for the Reef and seven catchments within	Girringun Aboriginal Corporation	Central	The project will support critical work to confirm intra-Traditional Owner group arrangements to under-pin regional scale governance of integrated sea Country management, linked back into the seven GBR catchments/sub-catchments within the respective estates of Girringuns nine Traditional Owner member groups; Develop an agreed regional-scale Traditional Owner driven framework for growing leadership and capacity amongst member Traditional Owner groups, including youth and emerging Elders; Formalise confirmation of agreed cultural protocols between the Bandjin, Djiru, Girramay, Gugu Badhun, Gulngay, Jirrbal, Nywaigi, Warrungnu and Warrgamay

						the nine Countries of Bandjin, Djiru, Girramay, Gugu Badhun, Glungay, Jirrbal, Nywaigi, Warrungnu and Warrgamay peoples. The project assists the identification and documentation of Traditional Owner biocultural guidelines, principles and practices that could be adopted generally, and formalising agreed cultural protocols while assisting in the identification and documentation of Traditional Owner biocultural ethics. Biocultural guidelines, principles and practices could then be made available for adoption by agencies, institutions and private sector partners more generally in undertaking Reef restoration and adaptation activities.			peoples; Scope an agreed regional-scale Traditional Owner driven framework for regular inputting into tailored RRAS activities to be undertaken by the proven, established Girringun Rangers, within the Girringun TUMRA region under the auspices of the Girringun Region TUMRA Steering Committee and in consultation with the Girringun Indigenous Protected Area (IPA) Coordinating Committee.
Reef Protection Activity Grants	TO-RP-207 - Jabalbina Yalanj - Monitoring Evaluation and Reporting Program	\$150,000	27/08/2021	30/06/2023	IN PROGRESS	Focus area: Leadership and capacity building, planning, innovation and indigenous heritage value mapping for Integrated	Jabalbina Yalanji Aboriginal Corporation RNTBC	Central	The establishment of a monitoring, evaluation and reporting program will enable JYAC Traditional Owners to evaluate, track and communicate the health of their Country and measure the effectiveness of their

						Monitoring and Reporting activities. This project will develop and implement an integrated monitoring, evaluation and reporting program for the cultural and natural values of Eastern Kuku Yanji Country, to be delivered by Jabalbina Yalanji Aboriginal Corporation.			programs. This will enable greater involvement in JYAC management of Country, especially in terms of regional and sea Country management initiatives.
WQ	TO-WQ-101 - Wuthathi - Wetland Capacity Building & Monitoring	\$148,520	5/08/2021	30/12/2022	IN PROGRESS	The project will build the capacity of eight Wuthathi Traditional Owners in wetland and water monitoring. This will be done through field surveys and training in water quality monitoring, use and maintenance of monitoring equipment, and identification and recording of significant cultural values in relation to wetlands in Wuthathi country.	Wuthathi Aboriginal Corporation RNTBC	Northern	As well as Traditional Owner capability building, surveys both at the end of the dry season and after the wet season will provide a baseline that can assist the Wuthathi Traditional Owners to identify threats to wetlands health, select priority wetlands for management actions such as weed or feral animal control, and provide a baseline for measuring change into the future.
WQ	TO-WQ-102 - Yuku-Baja-Muliku - Healthy Water People County	\$178,530	17/08/2021	29/12/2023	IN PROGRESS	This project concentrates on the Annan River (and estuary), and the coastline and intertidal areas around Archer Point. Yuku Baja Muliku will collect detailed, ongoing data on	Yuku-Baja-Muliku Landowner & Reserves Ltd	Central	Led by Traditional Owners, this project is about recognising and understanding cultural values of water, Indigenous water uses, and management aspirations; and recording and promotion of cultural values, traditional use and practices associated with water. The

						water quality and continue their long-term monitoring programs for key species, fish communities, mangroves and impacts such as pollution within our country. Yuku Baja Muliku will collect and store data, and work with elders and scientists to understand the data and use it to make informed decisions how to best look after our place.			project will also focus on continuing our long-term water monitoring within our country, to better understand the connection between traditional science and modern science and the impacts of water quality on our country and the Reef. The project will provide training opportunities focused on water and the impacts of water quality on Country.
WQ	TO-WQ-103 - Mungalla (MACB) - Wetlands Water Quality	\$497,245	16/07/2021	14/09/2023	IN PROGRESS	Mungalla Station have been working with third party organisations over many years to improve the health, quality and function of our wetlands. While these projects have been beneficial to the natural environment on Mungalla Station, they have not resulted in the development of expertise and knowledge for Nywaigi Traditional Owners. The project aims to develop key skill sets and capabilities to allow Nwaigi Traditional Owners to continue to manage the wetlands on Mungalla Station to	Mungalla Aboriginal Corporation for Business	Central	This grant will provide skills development, training and employment of Nywaigi Traditional Owners on Mungalla Station and will grow their capabilities in the areas of wetland management, water quality integrated monitoring and reporting. This project will support further wetland restoration and rejuvenation works to improve the natural function of the wetlands.

						improve the overall water quality and sediment reduction from Palm Creek into the Great Barrier Reef Catchment.			
WQ	TO-WQ-104 - Cape York NRM - Water Quality Capacity	\$176,605	8/07/2021	30/06/2023	IN PROGRESS	This project aims to protect and manage culturally and ecologically significant tea tree swamps, wetlands and riparian frontage in the Hahn and Moorhead Rivers for Kyerrwahdha Thingalkal Land Trust on Kalinga and Mary Valley Stations in Cape York. It aims to improve and protect wetlands and the frontage of two large rivers from the impacts of feral cattle through fencing, mustering activities, weed control and water quality monitoring to show change in wetland condition and water quality before and after fencing and cattle exclusion.	Cape York Natural Resource Management Ltd	Northern	This project aims to achieve a lasting legacy and improve water quality into the future through fencing of nine wetlands and training in water quality monitoring, weed control and fish surveying. Mentoring of Traditional Owners in project application writing, assistance in project planning and program logic development will increase the capacity and build the confidence of the group to apply for future funding opportunities.
WQ	TO-WQ-105 - Rinyirru (Lakefield) - WQ & Wetland Monitoring	\$139,540	8/07/2021	30/06/2023	IN PROGRESS	This monitoring and capacity building project will involve Ranger training certification, continuation of monitoring turbidity and water height at	Rinyirru (Lakefield) Aboriginal Corporation	Northern	The continuous turbidity monitoring at Kalpowar Crossing proposed in the project serves to improve loads calculations by DES. The data gathered will also be of value to the CSIRO E-Reefs modelling. We document

						three established sites, and the expansion of monitoring to six freshwater wetland and four river sites on Rinyirru Country. At wetland sites, project activities will follow Cape York Open Freshwater Wetland Assessment Methods (Howley & Stephan 2009) to track wetland health over time (water quality, sedimentation, aquatic plants, weeds, feral animals, fire and cultural health indicators).			cultural values and historic changes in addition to monitoring ecological indicators into the future. This project will also fund capacity building of Rangers through training and certification in water quality monitoring and wetland assessments.
WQ	TO-WQ-106 - Jaragun EcoServices - Protection of Jaban	\$500,000	5/10/2021	6/06/2024	IN PROGRESS	Wanjuru regard the Russell River as the lifeblood of the catchment and Babinda Creek remains culturally significant and critical to catchment hydrology. This project addresses the water quality that is discharged to the Reef from Eubenangee Swamp and Babinda Creek in the Russel River Catchment, and cultural values by controlling key weed species including Glush Weed and pond apple. Infestations of these	Jaragun Pty Ltd	Central	This work address both water quality and cultural values associated with Babinda Creek, Eubenangee Swamp and Russell River. Traditional Owners will be employed to complete weed control and revegetation, and to collect native seeds and propagate them in the nursery. Cultural heritage excursions will be held to elevate wider community understanding of native plant species and Traditional Owner connection to the area.

						species alter hydrology and replace native aquatic habitat, resulting in increased fine sediment and nutrient loads in the water, reduced biomass and diversity of native fish species and reduction of ecosystem function.			
WQ	TO-WQ-107 - Jabalbina - Healthy Water Recording	\$88,120	3/06/2021	28/02/2022	IN PROGRESS	Through this project, Eastern Yalanjiwarra are recording their healthy water knowledge (both fresh and saltwater) to secure and keep this knowledge strong for current and future generations. The project addresses local concerns of Elder knowledge of waterway and Sea Country management being lost for future generations. The project will work with a film consultant, Elders, and other Traditional Owners to professionally record and protect Yalanji knowledge of healthy bana (water) management. This includes recording the key values (cultural, natural, social and	Jabalbina Yalanji Aboriginal Corporation RNTBC	Central	The videos and recordings produced as part of this project will be used to support Traditional Owner led healthy water management actions now and into the future. The project will deliver: increased understanding and protection of Traditional water management knowledge; increased involvement in JYAC management of waterways on Country; employment of a casual Project Officer to organise and deliver the project; strengthened capacity of Traditional Owners and Rangers to care for water guided by the knowledge of Elders; strengthening of the JYAC Cultural Heritage Management program through recording the values associated with water, mapping sacred areas, recording storylines, recording traditional use and practices, and; training JYAC staff in filming/editing and the purchase of recording equipment to continue this important work into the future.

						economic) associated with water as well as traditional management practices and lore.			
WQ	TO-WQ-108 - Radiant Life - Water on Country	\$25,000	2/06/2021	31/10/2021	IN PROGRESS	This project is the first step towards the development of recently acquired land containing a stand of rainforest with water courses and wetlands, home to a diverse variety of native fauna and flora. The land has significant cultural value to Traditional Owners. The grant provides the means to develop a management plan, including preliminary mapping of the site for natural and cultural resources, with the engagement of Traditional Owners and key partners including neighbouring Traditional Owners (to share and exchange of ideas and information), regional natural resource conservation organisations, and scientific organisations such as universities and government agencies.	Radiant Life Education Ltd	Central	The plan will inform future on ground management of the rainforest land, by exploring ways and means to measure water quality and develop strategies to restore water health within the rainforest/wetlands. The plan will look at ways to work collaboratively with upstream farm landowners to improve run-off and water quality before it enters the rainforest/wetland areas in the rainforest/wetlands. The plan will look at ways to work collaboratively with upstream farm landowners to improve run-off and water quality before it enters the rainforest/wetland areas.

WQ	TO-WQ-109 - NAILSMA - Healthy Water Adaptive Mgt	\$150,000	28/05/2021	30/06/2023	IN PROGRESS	Balnggarrawarra Elders have a long-term aspiration to manage water sites on their homelands. In a two-year timeframe, the project aims to develop management and monitoring methods that will support ongoing adaptive management of threats to healthy water on Balnggarrawarra Country, in the Normanby River Catchment. This includes the management of cattle to protect important wetlands and the rehabilitation of gully erosion that is the result of historical overgrazing.	North Australian Indigenous Land and Sea Management Alliance	Northern	Key activities include the removal of cattle from sensitive areas, installing fencing to support exclusion of cattle, and the establishment of long-term monitoring plots and landscape scale assessments. Traditional Owners are being trained in mapping, fencing and monitoring for ongoing management of feral cattle in the region.
WQ	TO-WQ-110 - Djunbunji - Wetland Types	\$149,000	24/06/2021	30/06/2023	IN PROGRESS	This project will build on past short-steep-coastal-streams (SSCS) surveys of threatened fish species conducted via a Queensland State Government project in Mandingalbaj Yidinji IPA. In which contain threatened fish species and other wetland types that have not been	Djunbunji Limited	Central	This project will: map and classify wetlands in accordance with the Queensland Government Wetland Unit classification scheme; survey and develop a deeper appreciation for the fauna (primarily fishes and crustaceans) occupying these habitats and communicate to our community via video imagery; identify key indicator species of water quality and system connectivity; provide initial baseline information for the upper catchment and the migratory stream fauna

						investigated ecologically.			existing in the rehabilitated Hills Creek Catchment (East Trinity acid sulphate soils rehabilitation); develop initial assessments of the size structure of important food species and life stages in freshwater sections of our waterways; consolidate a working relationship with James Cook University staff and continue ecological skilling of rangers on matters relating to threatened migratory (diadromous) and threatened fishes in our waterways.
WQ	TO-WQ-111 - Balkanu - Dabu Jajikal Healthy Water	\$149,963	23/06/2021	30/06/2023	IN PROGRESS	This project will form the first part of a multi-year Jajikal Healthy Saltwater Initiative to support the health of Jajikal Sea and Reef Country. Jajikal Traditional Owners will map cultural and heritage values through a survey of values relating to Jajikal saltwater, and co-design and develop a Jajikal-friendly, cultural and heritage values database to support work improving the health of Jajikal Sea and Reef Country.	Balkanu Cape York Development Corporation Pty Ltd	Central	This project aims to support Jajikal people, particularly young emerging leaders, to improve their leadership and competency levels through training and leadership activities, field work, mentoring and participation in cultural values transmission activities with their Elders. It improves the capacity of Dabu Jajikal Aboriginal Corporation to deliver on-ground management activities related to Jajikal saltwater and improves partnerships and collaboration between Dabu Jajikal Aboriginal Corporation and key saltwater management stakeholders.
WQ	TO-WQ-112 - Terrain NRM - Mamu Waterway Health	\$255,910	14/06/2021	30/06/2024	IN PROGRESS	Water systems across Country are intrinsically connected to Mamu Peoples culture and livelihoods. This project supports Traditional Owner	FNQ NRM Ltd t/a Terrain Natural Resource Management	Central	Project outcomes will include; a water quality monitoring plan that integrates cultural values and western science; development of culturally appropriate water quality training materials; on-country inter-generational learning of

						waterway planning, by identifying values, rights and interests for water systems across Mamu Country, and incorporating them into existing water quality monitoring through community engagement and two-way, intergenerational knowledge exchange.			waterway management to share cultural and western waterway management and research; building Mamu governance and decision-making frameworks into waterway management with partners and stakeholders, and; community engagement and awareness raising on the results of water quality monitoring, including the reporting of cultural values through the Wet Tropics Waterway Health Report Card.
WQ	TO-WQ-113 - SCYC - Laura/Balnggarrawarra Healthy Waterways	\$139,334	14/06/2021	31/12/2023	IN PROGRESS	The Balnggarrawarra Melsonby Traditional Owners have strong cultural connections with their wetlands, creeks and the Normanby River. The Balnggarrawarra rangers have worked for eight years to improve the water quality of their waterways. This project will further that work by supporting and training rangers in wetland rehabilitation, fire management and road/track maintenance using best management practice approaches. They will work with hydrologists and anthropologists to determine cultural	South Cape York Catchments Inc	Northern	The project supports improvements to water flow monitoring at key sites traced to culturally important waterholes used by the endangered sawfish. Rangers using drone-based videos of the river flow will measure surface velocity to understand and track changes in flow. The cultural values of waterholes will be documented (written, oral and video recordings) during on-country camps with family groups (Elders to Children). Values will be classified and ranked in terms of cultural and social-economic importance, and related to specific instream flow metrics of baseflow, water hole persistence and volume. These data sources will be used to define cultural flows important to Aboriginal people and their river use. A summary report will document the hydrology, cultural values and management needs to maintain a healthy Laura River in the face of major development challenges.

						flows in the Normanby river catchment.			
WQ	TO-WQ-114 - Dawul Wuru - Caring for Water	\$150,000	9/06/2021	30/06/2023	IN PROGRESS	This project centres around the development of a Healthy Country Water plan. The project will develop a tool for Aboriginal communities to consistently measure and prioritise river and wetland health based on the Maori Cultural Health Index. It will develop and trial the Bana Mamingal (Caring for Water) program to raise awareness and create positive action for the health of our waterways, and embed Yirrganydji culture and knowledge of water in environmental education programs with partners.	Dawul Wuru Aboriginal Corporation	Central	The projects aims to: conserve, protect, manage and promote Yirrganydji culture and heritage values associated with water and water sources; improve leadership and competency levels of Yirrganydji People through building skills, capability, abilities, knowledge and relevant experience; restore the catchment through works to improve or repair streambanks, gullies and riparian vegetation.
WQ	TO-WQ-115 - Wanyurr-Majay - Wanyurr-Majanyji Water	\$150,000	3/06/2021	31/12/2023	IN PROGRESS	This project aims to position Wanyurr-Majay Traditional Owners to culturally inform and participate in the Mulgrave-Russell Regional Water Quality Program to ensure long-term healthy waters and that Indigenous cultural values and knowledge of Wanyurr-Majay	Wanyurr-Majay Aboriginal Corporation RNTBC	Central	The project will work with a cultural landscaping and planning specialist to produce a Bama (Aboriginal) Plan for Wanyurr Majay to take increasing responsibility for the care of the Wanyurr-Majay waters and places. The plan will be put into practice by rehabilitating a degraded farm drain by removing Pond Apple and revegetating the site with endemic native species. An Elders steering committee will also be convened to give

						waters and places are shared and respected for generations to come. The project proposes to establish an Elders' steering committee, engaging aspiring Wanyurr-Majay custodians, and will work with a cultural landscaping and planning specialist to map and promote the spiritual, traditional, ecological and cultural values and knowledge of Wanyurr-Majay waters and places.			cultural oversight to the Mulgrave-Russell Regional Water Quality Program.
WQ	TO-WQ-116 - Gulngay-Kinjufile - Gabun/Barrett's Lagoon	\$150,000	16/09/2021	30/09/2023	IN PROGRESS	Gabun, a migratory schooling fish, is the Gulngay language name for Barretts Lagoon in Tully. Its presence in large numbers indicates connectivity between ocean and fresh water and a healthy lagoon ecosystem. This project continues work at Gabun with the aim of recreating a suitable habitat for this fish. Through workshops, Gulngay Traditional Owners plan to draw on others experience to start developing cultural indicators of waterway health	Gulngay Kinjufile Aboriginal Corporation	Central	The integrated program of works over two years at Gabun includes training for our young people in waterway weed management, fire as an ecological management tool, water quality monitoring, fish surveys, fish barrier assessment, cultural values, data management protocols and project management. Based on these skills we will: develop culturally relevant indicators of waterway health to inform the Reef Report Card; add to the dataset of water quality monitoring results contributed by the Wet Tropics Major Integrated Project; contribute to the body of science of coastal wetland function and value in filtering pollutants and flood mitigation; strengthen excellent relationships with

						that can eventually be incorporated into the Wet Tropics Report Card.			surrounding farmers, government organisations and NRM groups; record histories and this story for dissemination to the Tully community, including our neighbouring Traditional Owner groups; establish the foundation and confidence of our people to undertake further rehabilitation works on Gulngay Country.
WQ	TO-WQ-201 - Juunjuwarra/SCYC - Sustainable Homeland	\$149,200	2/06/2022	30/09/2023	IN PROGRESS	In this project, Juunjuwarra Aboriginal Corporation (auspiced by South Cape York Catchments and with project management support by a consultant) will develop a catchment management plan for the Starcke River, integrating an exceptional leadership program for six key board members and six young leaders to ensure great governance and a capable delivery team.	South Cape York Catchments	Northern	This project will deliver five key ingredients required to ensure a legacy of effective management of the Starcke River Catchment and adjoining sea Country: strong cultural governance, western governance, and organisational capability; strong leaders and workforce; clear Traditional Owner plans and priorities; on ground activity and jobs; resources and a homeland economy.
WQ	TO-WQ-204 - Wuthathi - Wetlands Capacity Building 2.0	\$74,370	24/05/2022	30/05/2024	IN PROGRESS	This project will build on WACs first Healthy Water grant and cement Traditional Owner capacity, skills and understanding about water and wetland monitoring with permanent	Wuthathi Aboriginal Corporation RNTBC	Northern	This project will achieve the following objectives: (1)Build the capacity of Wuthathi Rangers and Elders to monitor and assess wetlands and water quality. (2) Provide a base line of wetland and water quality data to begin to implement the Wuthathi Healthy Country / Indigenous

						ongoing rangers currently being employed by WAC to be stationed at Shelburne Bay.			Protected Area Plan. (3) Establish a monitoring plan for further wetland assessments and water monitoring to be carried out by Wuthathi Rangers.
WQ	TO-WQ-207 - Dabu Jajikal - Plantation Ck Survey Management	\$184,725	23/06/2022	30/11/2023	IN PROGRESS	This project is a cultural and environmental survey and management actions at Plantation Creek, located on the northern end of Balabay (Weary Bay). Building the capability of Dabu Jajikal people and the Dabu Jajikal Aboriginal Corporation (DJAC) is also a strong focus of the project. The cultural survey will identify and document cultural water trails, gathering sites and traditional practices. The environmental survey will include training around water health assessments. Dabu Jajikal community members will be trained and work with project partners at each stage of the project. DJAC will build partnerships with water management stakeholders.	Dabu Jajikal Aboriginal Corporation	Central	Plantation Creek is a highly significant cultural watercourse and Elders have prioritised actions to ensure the cultural and environmental values of the area are properly managed and protected. The project will provide training opportunities for Dabu Jajikal community members as prioritised by Elders and family members.
WQ	TO-WQ-208 - Radiant Life / Goondoi - Bana Yabala 2	\$239,750	2/06/2022	30/05/2024	IN PROGRESS	The Bana Yabala stage 2 project will begin implementing	Radiant Life Education Ltd	Central	This projects supports the goals of the Traditional Owners to manage their

						<p>the goals and actions identified in Goondois Land Management Plan, which outlines strategies to realise the aspirations and goals of Traditional landowners.</p> <p>Through this project, Goondoi will:</p> <ul style="list-style-type: none"> <li>establish an in-house water quality monitoring system;</li> <li>build collaboration between stakeholders to contribute to regional environmental solutions;</li> <li>design and construct a pilot sedimentation pond which will provide a hands on outdoor classroom/laboratory for students; and</li> <li>review and update Goondoi's Business Plan to contribute to the economic sustainability of Bana Yabala by delivering training and employment opportunities for First Nations people.</li> </ul>			<p>rainforest country described in the Bana Yabala preliminary Land Management Plan to: sustainably manage the land, its natural attributes, and intrinsic cultural values to enrich the lives of future generations of First Nation people and the broader community; and create partnerships and joint ventures with key organisations and government agencies in managing the land.</p>
WQ	TO-WQ-209 - Wanyurr Majay - Madjandji Healing Waters	\$370,442	17/06/2022	30/05/2024	IN PROGRESS	<p>This project will deliver three main components co-designed by Madjaybana Rangers and Planning specialists:</p> <p>(1) A monitoring program that targets culturally significant</p>	Wanyurr-Majay Aboriginal Corporation	Central	<p>In delivering the Madjandji Healing Waters Project, Madjaybana Rangers will deliver culturally informed water quality outcomes that meet the aspirations of Wanyurr-Majay peoples to heal Country. We will be working with professionals from Farmacist and James</p>

						<p>Madjandji watercourses, to record current condition and trend of water and land ecosystems and our cultural and spiritual connections. (2) Co-planned and delivered wetland and land restoration works with James Cook University. (3) A Madjandji Healthy Waters Report Card reporting on all data and management recommendations to improve water quality and more.</p>			<p>Cook University to produce a targeted action plan and report on significant Bana sites and will work with JCU and landholders on riparian, wetland rehabilitation and revegetation projects.</p>
WQ	TO-WQ-210 - Gidarjil - Mapping Indigenous Owned Waterways	\$500,000	8/06/2022	30/05/2024	IN PROGRESS	<p>This project aims to help overcome issues and challenges faced by Traditional Owners in accessing their land and sea Country. It will do this by employing indigenous rangers to collect detailed imagery and water quality data for inland waterways that will be incorporated into advanced virtual and augmented reality (VR/AR) models of land and sea Country. These models will provide immersive experiences for Traditional Owners and provide a new publicly accessible</p>	Gidarjil Development Corporation Ltd	Southern	<p>The objectives of this project align with longstanding aspirations of Traditional Owners to be recognised as valued participants in contemporary environmental stewardship. It prioritises the needs of Indigenous Elders and communities that find it difficult to overcome physical, emotional, financial and social challenges that limit their ability to participate in field data collection. Future employment and training opportunities are provided for Indigenous rangers in water quality data collection, drone technology and advanced AR/VR content creation. These technologies allow traditional knowledge to be documented and shared alongside contemporary knowledge and scientific data to inform land care and land use practices.</p>

						body of knowledge about land and sea Country for everyone to use. This approach prioritises the needs of Indigenous Elders and communities that find it difficult to overcome physical, emotional, financial and social challenges that limit their ability to participate in field data collection.			
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## COMMUNITY REEF PROTECTION PROJECT SUMMARY

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
Citizen Science	CM-CS-001 - Reef Catchments - Citizen Science Project	\$82,051	16/09/2019	31/07/2021	This project builds on the legacy of the 2019-2021 project phase by maintaining over 40 years of continuous turtle nest protection and monitoring activities at Wreck Rock. It also enhances organisational capacity and program sustainability through training, learning forums, strengthened partnerships and identification of efficiencies across the Queensland Turtle Care Project network to support conservation outcomes.	Reef Catchments Ltd	Southern	Key outcomes include: (1) Increased knowledge of species to support conservation outcomes. (2) Educating and empowering the community to conserve marine turtles. (3) Building and maintaining partnerships that support the aims of the program. (4) Strengthening program coordination and succession planning by growing capacity and collaboration across turtle volunteer programs and identifying solutions for financial barriers for turtle volunteer groups.
Citizen Science	CM-CS-002 - QLD University of Technology - Citizen Science Project	\$97,427	11/04/2019	31/05/2021	This project builds on the legacy of the 2019-2021 project phase by further enabling tourism's role in better defining water quality issues in the Whitsundays, strengthening Traditional Owner engagement in protecting sea country, and contributing to collective efforts to protect key fringing Reef locations.	QLD University of Technology	Non-specified - multiple sites	Key outcomes include: (1) Improving understanding of water quality in the Whitsundays region. (2) Community data is shared throughout the region and utilised by decision makers. (3) Engaging tourism operators to facilitate stewardship within the industry and build understanding of conservation issues and solutions with Reef visitors. (4) Strengthening partnerships, including with Traditional Owners, science, management and industry to deliver shared Reef protection goals.
Citizen Science	CM-CS-003 - Lady Musgrave	\$30,370	5/04/2019	30/04/2020	The project focuses on continuing and	Marine Seek Pty Ltd T/A	Southern	Key outcomes include: (1) Enhancing community led on-

	Experience - Citizen Science Project				strengthening monitoring activities within the Wet Tropics Catchment area to better direct resources, foster the strategic use of collected data sets and transform monitoring knowledge into on-ground action for conservation and enhancement of Tidal Wetlands.	Lady Musgrave Experience		ground monitoring activities for the Tidal Wetland in the Wet Tropics Catchment area that inform reporting and management for the GBRWHA. (2) Improving engagement and leadership capacity for community Reef protection, through active community participation and leadership in citizen science monitoring and on-ground action to care for estuary and saltmarsh habitats. (3) Strengthening connections and partnerships across community, First Nations, and management partners for the development and implementation of targeted on-ground action through seven local action plans for Tidal Wetlands Protection.
Citizen Science	CM-CS-004 - RedMap JCU - Citizen Science Project	\$91,883	23/05/2019	1/05/2021	The project continues and strengthens field based and online citizen science data collection in collaboration with recreational fisher associations and Aboriginal Land and Sea Ranger groups to raise awareness on sawfish, increase sawfish sightings by citizen scientists, gather distribution and range data, disseminate sawfish information to broader audiences, and identify and trial actions to help enhance protection to empower a diverse range of sawfish stewards.	James Cook University	Non-specified - multiple sites	Key outcomes include: (1) Empowering a diverse range of community stewards for sawfish through a suite of tools, training and hands-on experience. (2) Involving Aboriginal Land and Sea Ranger groups, Traditional Owners, recreational fisher associations, fishers and schools in collection of sawfish sightings to enhance understanding of sawfish populations, grow awareness of the threats and actively participate in actions for sawfish protection. (3) Strengthening information available about sawfish in Queensland through citizen science to better enable community, science and government protection actions. (4) Expanding and strengthening partnerships with Aboriginal Land and Sea Ranger groups, Traditional Owners, recreational

								fisher groups and schools on the east coast of Queensland to enable enduring program outcomes beyond this project.
Citizen Science	CM-CS-005 - Great Barrier Reef Legacy - Citizen Science	\$97,750	11/04/2019	30/04/2021	This project builds on the legacy of the 2019-2021 project phase to continue broad monitoring and education with environmental education centres and Traditional Owner partners, while building a scalable model that focuses on deeper STEM professional development experience for teachers and direct engagement with schools through MangroveWatch. Teachers and students across Queensland will establish new wetland monitoring sites to measure blue carbon storage and sequestration and build a network of empowered educators and communities protecting coastal wetlands.	Great Barrier Reef Research Expeditions Inc t/a Great Barrier Reef Legacy	Central	Key outcomes include: (1) Informing and empowering 20 school communities to engage students in monitoring and protection of coastal wetlands through the STEM curriculum that continues beyond the life of the grant. (2) Embedding MangroveWatch monitoring in schools' STEM programs (indoor and outdoor classroom learning mapped to the national curriculum). (3) 300 students engaged directly in citizen science monitoring and 800 students inspired through TeachLive virtual classes. (4) Free teacher resources build knowledge of coastal ecosystem values to the Reef and carbon sequestration ecosystem services. (5) Identifying local mangrove and tidal wetland management issues and providing data to (A) inform areas of prioritisation for mangrove and wetland restoration and protection, and (B) incorporate carbon sequestration data into the federal governments national blue carbon greenhouse gas accounts factors.
Citizen Science	CM-CS-006 - Gidarjil Seagrass Watch - Citizen Science Project	\$55,000	11/04/2019	30/06/2021	This project builds on the legacy of the 2019-2021 project phase to empower high school student citizen scientists to collect information on the health and distribution of seagrass and coral habitats across the Reef.	Gidarjil Development Corporation Ltd	Southern	Key outcomes include: (1) Empowering students and Traditional Owners from GBRWHA catchments to better understand current condition, pressures, monitoring methods and Reef protection actions to build their Reef knowledge and leadership skills. (2) Strengthening data available on

								the condition of critical habitats in the GBRWHA to better enable community, science, school and government Reef protection actions. (3) Growing community understanding of Reef health and actions that communities can take to improve the health of the Reef. (4) Expanding and strengthening partnerships with Traditional Owner groups, science, management and broader community partners to enable enduring program outcomes beyond this project.
Citizen Science	CM-CS-007 - Earthwatch MangroveWatch - Citizen Science Project	\$93,030	8/04/2019	30/11/2021	This project builds on the legacy of the 2019-2021 project phase to continue contributing citizen science data on coral health to the Mackay-Whitsunday-Isaac Healthy Rivers to Reef Partnership reporting, expanding data collection approaches to include artificial intelligence photo assessment through AIMS ReefCloud, and shallow water drone mapping and monitoring to support key information needs.	Earthwatch Institute	Non-specified - multiple sites	Key outcomes include: (1) Increase in engaged and empowered community members (2) Increasing Traditional Owner engagement in Reef health activities. (3) Collecting vital Reef health data collected over nine key sites within the Whitsundays. (4) Sharing Reef Health data with partners and community. (5) Increasing collaborative networks. (6) Increasing volunteer participation. (7) Increasing data integration. (8) Increasing the capacity for succession planning. (9) Increasing the number of events (five per year). (10) Increasing story telling of the projects and their impacts. (11) Enhancing links to local tourism industry.
Citizen Science	CM-CS-008 - CAFNEC MangroveWatch - Citizen Science Project	\$98,733	11/04/2019	30/04/2021	This project builds on the legacy of the 2019-2021 project phase by bringing together multiple citizen science programs to collaboratively deliver long-term Reef health citizen science monitoring in the Townsville region.	Cairns and Far North Environment Centre Inc.	Central	Key outcomes include: (1) Enhancing collaboration for community-led Reef health monitoring programs. (2) Strengthening long term Reef health data sets in the Townsville region to provide site-based information that contributes to multiple databases and regional

								<p>knowledge to better enable community, science, school and government Reef protection actions. (3) Empowering community, youth and Indigenous youth to build their Reef knowledge and leadership capacity through classroom workshops and training, field-based activities, public speaking and leadership training. (4) Improving communication of community data use and results to build understanding about Reef health, participation in the project and actions communities can take to improve the health of the Reef. (4) Demonstrating commitment to climate action by being a carbon neutral project measuring and mitigating carbon emissions.</p>
Citizen Science	CM-CS-009 - Team Turtle CQ - Citizen Science Project	\$65,000	5/04/2019	31/05/2021	<p>This innovation project aims to demonstrate the feasibility of using citizen science deployed eDNA passive samplers to detect water quality induced changes in aquatic ecosystems and inspire environmental stewardship by engaging with the broader community to collect scientific data on the ecosystems they value most.</p>	Fitzroy Basin Association Inc	Southern	<p>Key outcomes include: (1) Demonstrating that eDNA via passive sampling is a viable approach for high frequency, high spatial coverage species richness assessments, enabling more widespread adoption of the technique for community programs and for application in Reef reporting. (2) Improving understanding of linkages between water quality and habitat utilisation in the GBR catchments. (3) Improving environmental stewardship and greater community commitment and understanding of actions for improving water quality. (4) Expanding and strengthening partnerships with Traditional Owner groups, science, management and broader community partners to enable enduring program outcomes beyond this project.</p>

Citizen Science	CM-CS-010 - Reef Check Australia - Citizen Science Project	\$77,742	8/04/2019	30/04/2021	The project will pilot using eDNA sampling to improve understanding of fish communities in Townsville waterways of the Reef and build evidence around connections with impacts from the condition of catchment habitats on wildlife in waterways connected to the Reef.	Reef Check Foundation Limited	Central	Key outcomes include: (1) Enhancing existing citizen science waterway monitoring to contribute temporal data for improved understanding of linkages between water quality and fish biodiversity. (2) Demonstrating that eDNA metabarcoding is a viable approach for waterway fish biodiversity monitoring, enabling more widespread adoption of the technique for community programs and application in scalable Reef monitoring reporting. (3) Improving environmental stewardship through citizen science participation and greater community understanding of actions for improving water quality, including youth participants. (4) Expanding and strengthening partnerships with Traditional Owner groups, science, management and broader community partners to enable enduring program outcomes during and beyond this project.
Citizen Science	CM-CS-011 - Reef Ecologic - Citizen Science Project	\$85,000	11/04/2019	30/04/2021	This project aims to integrate existing citizen science organisations and complementary reef monitoring projects in the Townsville region (Eye on the Reef, Reef Check, Coral Watch, Reef Recovery, Earth Watch, Virtual Reef Diver) and increase collaboration between multiple reef citizen science organisations to deliver a broader suite of not only ecological, but also socio-economic	Reef Ecologic Pty Ltd	Central	This project is focusing on 17 existing citizen science locations and 35 sites, providing several cross-training programs designed to build on the strengths of individual partner organisations and improve capacity across multiple disciplines of ecological, social and economic survey methods.

					information from their monitoring activities.			
Citizen Science	CM-CS-012 - Reef Teach - Citizen Science Project	\$85,052	16/09/2019	30/04/2022	This project will train tourism operators to undertake geo-referenced photo sections as an expanded activity for GBRMPAs Eye on The Reef program. It will engage a minimum of eight local operators and provide a replicable model for other regions. This will also include trialling and implementing models for engaging guests in activities, including internship programs and Master Reef Guide-led programs for visitors.	Marine Discoveries Pty Ltd ATF Phillips Family Trust	Central	This project enhances the well-established GBRMPA Eye on the Reef program. The project will add the latest science in automated machine learning from the Australian Institute of Marine Science (AIMS) to maximise in-water survey time and minimise observer variability whilst providing valuable information to decision makers. The Eye on the Reef - Tourism Weekly survey method was specifically designed to allow tourism staff to record key indicator variables, including all four reef impacts as well as a range of indicator species, during their normal in-water engagement with the community. The in-situ interpretation of key reef health variables directly informs the community at that moment, whilst sending the observational data to GBRMPA transmits data directly to decision makers.
Citizen Science	CM-CS-013 - Science Under Sail - Citizen Science Project	\$99,100	2/04/2019	31/03/2021	This project works to address a knowledge gap in seagrass spatial extent by training high school students along the coast to collect and share rapid spatial assessments of seagrass.	J.W UDY & N.S. UDY trading as Science under Sail	Central	Reef Integrated Monitoring and Reporting recommendations highlight that seagrass monitoring on the Great Barrier Reef requires additional spatial information (RIMReP, 2018). This project has been designed to address this recommendation for seagrass monitoring and enhance the spatial coverage of seagrass mapping using senior high school students as citizen scientists.
Citizen Science	CM-CS-014 - Turtle Care Volunteers -	\$55,372	3/04/2019	30/04/2021	Wreck Rock Beach is the second largest mainland nesting site for loggerheads in the South	Turtle Care Volunteers QLD Inc	Southern	Monitoring and protection of this habitat will result in an increase in the numbers of hatchlings from this site, which is only one

	Citizen Science Project				Pacific Ocean. Turtle Care Volunteers Queensland Inc. will engage volunteers to monitor population information provided to land managers to implement response strategies to mitigate the negative impacts of climate and weather factors and other threats such as predation, with the goal to increase the numbers of hatchlings from this site			of only two areas in the entire South Pacific region that produces predominately female hatchlings. Through data collected, the worldwide database of knowledge will be enhanced, increasing the probability of increasing resilience, protecting and successfully managing these species as a result.
Citizen Science	CM-CS-015 - Coral Watch UQ - Citizen Science Project	\$99,205	10/04/2019	31/05/2021	CoralWatch will partner with Environmental Education Centres to develop Reef citizen science materials tailored to the coastal areas of Palm Island, North Keppel Island, Gladstone and Heron Island. This will include curriculum-linked lesson plans, coral identification sheets, virtual reef posters and display material for EECs and other suitable venues, as well as field-based data collection activities.	The University of QLD	Non-specified - multiple sites	CoralWatch is a well-established citizen science program operating globally for 16 years. Partnering with the selected environmental education centres, this project will create location-specific learning packs. Professional development workshops will provide both EEC teachers and attending classroom teachers the skills and knowledge needed for monitoring the health of local coral including data collection techniques and data analysis. On Palm Island, a holiday program will target school aged youth providing First Nations youth with local knowledge skills and methods of monitoring the health of the corals in their Sea Country. CoralWatch, Jina Gunduy founders Valentine Nona and Suzanne Kenney, local Elders and community members contribute to the formation of this program. Partnering with the MTAQ also provide CoralWatch with access to its membership of 80 secondary schools in

								Queensland, many of which participate in Marine Science and Aquatic Practices subjects.
Citizen Science	CM-CS-201 - Turtle Care Volunteers - Enduring Change Project	\$85,284	18/03/2022	30/06/2024	This project builds on the legacy of the 2019-2021 project phase by maintaining the more than 40-year continuous turtle nest protection and monitoring activities at Wreck Rock, as well as actively strengthening organisational capacity and program sustainability through training, learning forums, strengthened partnerships and identification of efficiencies across the Queensland Turtle Care Project network to support conservation outcomes.	Turtle Care Volunteers QLD Inc	Southern	Outcomes for the project include: 1. Increasing knowledge about the species to support conservation outcomes 2. Educating and empowering the community to conserve marine turtles. 3. Building and maintaining partnerships (e.g., Tangaroa Blue) that support the aims of the program. 4. Strengthening program coordination and succession planning by growing capacity and collaboration across turtle volunteer programs and identifying solutions for financial barriers for turtle volunteer groups.
Citizen Science	CM-CS-202 - Reef Catchments - WQ monitoring for tourism	\$100,000	6/04/2022	30/06/2024	This project builds on the legacy of the 2019-2021 project phase by further enabling tourism's role in to better define water quality issues in the Whitsundays, strengthening Traditional Owner engagement in protecting sea country and contributing to collective efforts to protect key fringing reef locations.	Reef Catchments (Mackay Whitsunday Isaac) Ltd	Central	Outcomes for the project include: 1. Improved understanding of water quality in the Whitsundays region 2. Community data is shared throughout the region and utilised by decision makers 3. Engaged tourism operators facilitate stewardship within the industry and build understanding of conservation issues and solutions with reef visitors 4. Strengthen partnerships, including with Traditional Owners, science, management and industry to deliver shared Reef protection goals.
Citizen Science	CM-CS-203 - CAFNEC - Major Project	\$229,755	17/03/2022	31/01/2024	The project will strategically focus on continuing and	Cairns and Far North	Northern	Outcomes for this project include: 1. Community led on-ground

					strengthening monitoring activities within the Wet Tropics Catchment area to better focus resources, foster the strategic use of collected data sets and transform monitoring knowledge into on-ground action for conservation and enhancement of Tidal Wetlands.	Environment Centre		monitoring activities for the Tidal Wetland in the Wet Tropics Catchment area that inform reporting and management for the GBRWHA are enhanced. 2. Improved engagement and leadership capacity for community Reef protection, through active community participation and leadership in citizen science monitoring and on-ground action to care for estuary and saltmarsh habitats. 3. Strengthened connections and partnerships across community, First Nations, and management partners for the development and implementation of targeted on-ground action through seven LAPs for Tidal Wetlands Protection.
Citizen Science	CM-CS-204 - SARA-R - Major Project	\$209,160	14/06/2022	30/06/2024	The project will continue and strengthen field based and online citizen science data collection in collaboration with recreational fisher associations and Aboriginal Land and Sea Ranger groups to raise awareness on sawfish, increase sawfish sightings by citizen scientists, gather distribution and range data, disseminate sawfish information to broader audiences, and identify and trial actions to help enhance protection to empower a diverse range of sawfish stewards.	Sharks And Rays Australia Pty Ltd	Non-specified - multiple sites	Project outcomes include: 1. Empower a diverse range of community stewards for sawfish through a suite of tools, training, and hands-on experience 2. Involve Aboriginal Land and Sea Ranger groups, Traditional Owners, recreational fisher associations, fishers, and schools in the collection of sawfish sightings to enhance understanding of sawfish populations, grow awareness of the threats, and actively participate in actions for sawfish protection 3. Strengthen information available about sawfish in Queensland through citizen science to better enable community, science, and government protection actions 4. Expand and strengthen partnerships with Aboriginal Land and Sea Ranger groups, Traditional Owners, recreational

								fisher groups and schools on the east coast of Queensland to enable enduring program outcomes beyond this project.
Citizen Science	CM-CS-205 - Earthwatch - Enduring Change project	\$99,452	13/05/2022	30/04/2024	This project builds on the legacy of the 2019-2021 project phase to continue broad monitoring and education with environmental education centres and Traditional Owner partners, while building a scalable model that focuses on deeper STEM professional development experience for teachers and direct engagement with schools through MangroveWatch. Teachers and students across Queensland will establish new wetland monitoring sites to measure blue carbon storage and sequestration, and build a network of empowered educators and communities protecting coastal wetlands.	Earthwatch Institute	Non-specified - multiple sites	Project outcomes include: 1. Inform and empower 20 school communities to engage students in monitoring and protection of coastal wetlands through the STEM curriculum that continues beyond the life of the grant by?MangroveWatch monitoring embedded in schools' STEM programs (indoor and outdoor classroom learning mapped to the national curriculum)? 2. 300 students engaged directly in citizen science monitoring? 3. 800 students inspired through TeachLive virtual classes?? 4. Free teacher resources build knowledge of coastal ecosystem values to the GBR, and carbon sequestration ecosystem services?? 5. Identification of local mangrove and tidal wetland management issues at 20 monitoring sites. 6. Provide data to end users to a) inform areas of prioritisation for mangrove and wetland restoration and protection, and b) incorporate carbon sequestration data into the Federal Governments national blue carbon greenhouse gas accounts factors.
Citizen Science	CM-CS-206 - Science Under Sail - Enduring change project	\$99,970	12/04/2022	30/04/2024	This project builds on the legacy of the 2019-2021 project phase to empower high school student citizen scientists to collect information on	J.W UDY & N.S. UDY trading as Science under Sail	Non-specified - multiple sites	Project outcomes include: 1. Empower students and Traditional Owners from GBRWHA catchments to better understand current condition, pressures, monitoring methods

					the health and distribution of seagrass and coral habitats across the GBR.			and Reef protection actions to build their Reef knowledge and leadership skills. 2. Strengthen data available on the condition of critical habitats in the GBRWHA to better enable community, science, school, and government Reef protection actions. 3. Grow community understanding of Reef health and actions our communities can take to improve the health of the GBR. 4. Expand and strengthen partnerships with Traditional Owner groups, science, management and broader community partners to enable enduring program outcomes beyond this project.
Citizen Science	CM-CS-208 - Reef Check - Enduring Change Project	\$100,000	6/05/2022	31/01/2024	This project builds on the legacy of the 2019-2021 project phase to continue contributing citizen science data on coral health to the Mackay-Whitsunday-Isaac Healthy Rivers to Reef Partnership reporting and expanding data collection approaches to include artificial intelligence photo assessment through AIMS ReefCloud and shallow water drone mapping and monitoring to support key information needs.	Reef Check Foundation	Central	Project outcomes include: 1. Increase in engaged and empowered community members within a largely transient, tourism-based region through training, upskilling, events and storytelling. 2. Increased Traditional Owner engagement in reef health activities through hands on monitoring, community engagement, training and skill sharing. 3. Vital reef health data collected over nine key sites within the Whitsundays. These sites include; Hook Island (Butterfly Bay, Luncheon Bay), Hayman Island (Blue Pearl Bay, 2 sites); Daydream Island (Lovers Cove, Mermaid Cove). Peters Bay (2 sites) and Black Island. The Black Island site directly overlaps the Boats4Coral 2021 larval reseeding location. Hayman Island and Hook island sites

								<p>have the potential to overlap, however reseeding sites are decided in situ based on weather, tide and current during the activity.4. Reef Health data shared with partners and community through social and print media, partner networks, including Healthy Rivers to Reef Partnership (December each year), and Traditional Owner Groups. 5. Increased collaborative network of individuals, businesses, not-for-profits, research groups and Traditional Owners working towards a common goal: healthy reefs for the future 6. Increased number of ways for community members to become involved in reef health science (above and below water)7. Increased data integration; data utilised by managing bodies (Nadair, Reef Cloud) 8. Increased capacity of RCA within the region allowing for succession planning. To be achieved through; Ambassadors, Reef Health Surveyors and Team Leaders, meaning decreased dependency on limited personnel.9. Increased number of events (five per year) 10. Increased story telling of the projects and their impacts (two outreach and engagement products per year; may consist of Infographics, video stories etc) 11. Enhanced links to local tourism industry</p>
Citizen Science	CM-CS-209 - Reef Ecologic - Enduring Change Project	\$82,000	25/05/2022	31/03/2024	This project builds on the legacy of the 2019-2021 project phase by bringing together multiple citizen science programs to collaboratively deliver long-term Reef health	Reef Ecologic Pty Ltd	Central	<p>Project outcomes include:</p> <ol style="list-style-type: none"> <li>1. Enhance collaboration for community-led Reef health monitoring programs to support a cohesive approach to community based monitoring working with key community,</li> </ol>

					citizen science monitoring in the Townsville region.			<p>science and management partners</p> <p>2. Strengthen long-term reef health data sets in the Townsville region to provide site based information that contributes to multiple databases and regional knowledge to better enable community, science, school, and government reef protection actions</p> <p>3. Empower community, youth and Indigenous youth to build their Reef knowledge and leadership capacity through classroom workshops and training, field based activities, public speaking, and leadership training</p> <p>4. Improve communications of community data use and results to build understanding about Reef health, participation in the project and actions communities can take to improve the health of the GBR.</p> <p>5. Demonstrate commitment to climate action by being a carbon neutral project measuring and mitigating carbon emissions.</p>
Citizen Science	CM-CS-210 - CSIRO - Innovation Project	\$135,380	27/05/2022	31/01/2024	This innovation project aims to demonstrate the feasibility of using citizen-science deployed eDNA passive samplers to detect water quality induced changes in aquatic ecosystems and inspire environmental stewardship by engaging with the broader community to collect scientific data on the ecosystems they value most.	Commonwealth Scientific and Industrial Research Organisation	Central	<p>Project outcomes include:</p> <p>1. eDNA via passive sampling is demonstrated as a viable approach for high frequency, high spatial coverage species richness assessments, enabling more widespread adoption of the technique for community programs and for applications in Reef reporting</p> <p>2. Improved understanding about linkages between water quality and habitat utilisation in the GBR catchments, particularly for the species that communities and partners</p>

								<p>highly value.</p> <p>3. Improved environmental stewardship and greater community commitment and understanding of actions for improving water quality.</p> <p>4. Expand and strengthen partnerships with Traditional Owner groups, science, management and broader community partners to enable enduring program outcomes beyond this project.</p>
Citizen Science	CM-CS-211 - OzFish - Innovation Project	\$149,430	16/05/2022	31/01/2024	The project will pilot using eDNA sampling to improve understanding of fish communities in Townsville waterways of the GBR and build evidence around connections with impacts from the condition of catchment habitats on wildlife in waterways connected to the Reef.	OzFish Unlimited Ltd	Central	<p>Project outcomes include: 1. Enhancement of existing citizen science waterway monitoring to contribute temporal data for improved understanding about linkages between water quality and fish biodiversity to monitor ecosystem health and identify potential stressors affecting the fish community to enable management solutions 2. eDNA metabarcoding demonstrated as a viable approach for waterway fish biodiversity monitoring, enabling more widespread adoption of the technique for community programs and for applications in scalable Reef monitoring reporting 3. Improved environmental stewardship through citizen science participation and greater community commitment and understanding of actions for improving water quality, including youth participants 4. Expanded and strengthened partnerships with Traditional Owner groups, science, management and broader community partners to enable enduring program outcomes during and beyond this project.</p>

Integrated Decision Making	CM-EC-009 - Cape York NRM - CAP Leader	\$75,000	27/08/2021	30/11/2023	Cape York NRM is the Community Action Plan (CAP) Leader for the Cape York region and aims to deliver significant outcomes for the implementation of the CAP.	Cape York Natural Resource Management Ltd	Northern	CAPs provide common tools and language to support organisations and individuals to work together to address some of the key barriers for more effective community action to contribute to GBRFWHA protection and reduce local and climate change impacts to the Reef. CAP Leaders will lead the implementation of regional CAPs developed in GBRF's 2020 CAP grant round, and continue to guide, support and enable the community to progress successful CAP projects and outcomes.
Integrated Decision Making	CM-EC-010 - MICDA - CAP Leader	\$75,000	10/09/2021	30/11/2023	Magnetic Island Community Development Association Inc is the CAP Leader for the Magnetic Island region and aims to deliver significant outcomes for the implementation of the CAP, including: (1) Stronger partnerships among stewardship groups, Traditional Owners, local residents and Reef management agencies, resulting in an empowered community motivated to help restore, maintain and/or restore Great Barrier Reef World Heritage values. (2) Increased local participation in a range of citizen science programs leading to heightened public awareness of the World Heritage values of Magnetic Island.	Magnetic Island Community Development Association Inc	Northern	CAPs provide common tools and language to support organisations and individuals to work together to address some of the key barriers for more effective community action to contribute to GBRF World Heritage area protection and to reduce local and climate change impacts to the Reef. CAP Leaders will lead the implementation of regional CAPs developed in GBRF's 2020 Community Action Plan grant round, and continue to maintain and enhance their role as collective impact backbone organisations in their regions to guide, support and enable the community to progress successful Community Action Plan (CAP) projects and outcomes. This involves continuous refinement of the CAP as a dynamic planning tool, enabling youth and broader community participation in CAP implementation, sharing and celebrating the collective impacts and outcomes of CAP

								projects, facilitating integration between community projects and decision-making processes for management and on-ground activities, and securing additional investment opportunities to foster enduring outcomes and partnerships for the CAP.
Integrated Decision Making	CM-EC-011 - Reef Catchments - CAP Leader	\$75,000	27/08/2021	30/11/2023	Reef Catchments (Mackay Whitsundays Isaac) Limited is the CAP Leader for the Mackay Whitsunday Isaac region and aims to work with the community to refine the CAP, support the community to seek funding to implement the CAP, and support and coordinate other leaders of CAP projects, for aligned and enhanced outcomes.	Reef Catchments Ltd	Southern	CAPs provide common tools and language to support organisations and individuals to work together to address some of the key barriers for more effective community action to contribute to GBRF World Heritage area protection and to reduce local and climate change impacts to the Reef. CAP Leaders will lead the implementation of regional CAPs developed in GBRF's 2020 Community Action Plan grant round, and continue to guide, support and enable the community to progress successful CAP projects and outcomes.
Integrated Decision Making	CM-EC-012 - Burnett Catchment Care Association - CAP Leader	\$74,780	20/12/2021	30/11/2023	Burnett Catchment Care Association Inc is the CAP Leader for the Burnett Mary region and aims to deliver the following outcomes for the implementation of the CAP: (1) Local ownership of the CAP by the community and stakeholders within the region. (2) Wide representation from motivated community groups, including Traditional Owners, youth and broader community with an interest in activities to support the	Burnett Catchment Care Association	Southern	CAP Leaders will lead the implementation of regional Community Action Plans developed in GBRF's 2020 Community Action Plan grant round. CAP Leaders will continue to maintain and enhance their role as collective impact backbone organisations in their regions to guide, support and enable the community to progress successful CAP projects and outcomes. This involves the continuous refinement of the CAP as a dynamic planning tool, enabling youth and broader community participation in CAP implementation, sharing and

					health of the marine environment. (3) Capacity for all involved to communicate needs to a wider and more engaged audience.			celebrating the collective impacts and outcomes of CAP projects, facilitating integration between community projects and decision-making processes for management and on-ground activities and securing additional investment opportunities to foster enduring outcomes and partnerships for the CAP.
Integrated Decision Making	CM-EC-013- Port of Townsville (Dry Tropics Partnerships for Healthy Waters) - CAP Leader	\$25,000	13/06/2022	29/02/2024	Port of Townsville (Dry Tropics Partnership for Healthy Waters (DTPHW)) is the CAP Leader who will provide strategic direction for the CAP Program in the Townsville region. Reef Ecologic will provide operational support including leading the revision the CAP and providing support for CAP Project delivery. DTPHW and Reef Ecologic will deliver the CAP Program collaboratively in the Townsville region through a shared delivery approach.	Port of Townsville (Dry Tropics Partnership for Healthy Waters	Central	CAP Leaders will lead the implementation of regional CAPs and support CAP projects developed in the GBRF's 2020 Community Action Plan grant round. CAP Leaders will continue to maintain and enhance their role as collective impact backbone organisations in their regions to guide, support and enable the community to progress successful CAP projects and outcomes. This involves the continuous refinement of the CAP as a dynamic planning tool, enabling youth and broader community participation in CAP implementation, sharing, and celebrating the collective impacts and outcomes of CAP projects, facilitating integration between community projects and decision-making processes for management and on-ground activities and securing additional investment opportunities to foster enduring outcomes and partnerships for the CAP.
Integrated Decision Making	CM-EC-014 - Reef Ecologic - CAP Leader	\$35,000	13/06/2022	29/02/2024	Reef Ecologic will provide operational support for the Townsville CAP including leading the revision the plan and providing support for CAP	Reef Ecologic	Central	Community Action Plan Leaders will lead the implementation of regional Community Action Plans and support CAP projects developed in the Great Barrier Reef Foundation's 2020

					Project delivery. Dry Tropics Partnership for Healthy Waters (DTPHW) will provide strategic direction for the CAP Program. DTPHW and Reef Ecologic will deliver the CAP Program collaboratively in the Townsville region through a shared delivery approach.			Community Action Plan grant round. CAP Leaders will continue to maintain and enhance their role as collective impact backbone organisations in their regions to guide, support and enable the community to progress successful Community Action Plan projects and outcomes. This will involve the continuous refinement of the CAP as a dynamic planning tool, enabling youth and broader community participation in CAP implementation, sharing, and celebrating the collective impacts and outcomes of CAP projects, facilitating integration between community projects and decision-making processes for management and on-ground activities and securing additional investment opportunities to foster enduring outcomes and partnerships for the CAP.
Integrated Decision Making	CM-ID-003 - CYNRM - CAP Leader	\$54,316	22/06/2020	30/05/2021	Cape York Natural Resource Management led the development of the Cape York Reef Community Action Plan in partnership with South Cape York Catchments. Engagements focused in the Bloomfield, Cooktown and Hopevale regions and provided an opportunity to combine the voices of Traditional Owners, community members and youth, and bring together different views on Reef protection actions that will reduce local and climatic impacts on the Reef.	Cape York Natural Resource Management Ltd	Northern	<p>The Community Action Plan Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef protection outcomes aligned with regional priorities.</p> <p>In 2020, 8 organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a Community Action Plan for their</p>

								<p>regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change.</p> <p>These six regional Community Action Plans outline a priority list of coastal, estuarine, and marine citizen science and community on ground action, including a catalogue of community-led and Traditional Owner-led projects for implementation.</p> <p>Community Action Plan Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and continue to refine the plan to support measurable outcomes for the Reef.</p>
Integrated Decision Making	CM-ID-004 - Magnetic Island CDA -CAP Leader	\$40,000	7/07/2020	30/04/2021	MICDA is leading the development of the Magnetic Island Reef Community Action Plan (CAP). This local scale CAP will build the leadership capacity of Magnetic Island residents through the co-design and implementation of a range of accelerated, targeted actions to promote Great Barrier Reef World Heritage Area resilience.	Magnetic Island Community Development Association Inc	Central	<p>The CAP Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef protection outcomes aligned with regional priorities. In 2020, eight organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a CAP for their regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change. These six regional CAPs outline a priority list of coastal,</p>

								estuarine, and marine citizen science and community on ground action, including a catalogue of community-led and Traditional Owner-led projects for implementation. CAP Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and continue to refine the plan to support measurable outcomes for the Reef.
Integrated Decision Making	CM-ID-005 - Reef Ecologic - CAP Leader	\$25,000	7/07/2020	30/04/2021	Reef Ecologic led the development of the Burdekin Dry Tropics Reef Community Action Plan (CAP) in collaboration with NQ Dry Tropics. Reef Ecologic led communication activities for the CAP and delivered specific youth engagement opportunities. Engagements to develop the CAP focused on the Townsville, Ayr and Bowen regions. The CAP increases the coordination and collaboration between community groups in the region that are working towards Reef resilience and develop strategic community-based projects.	Reef Ecologic Pty Ltd	Non-specified - multiple sites	The CAP Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef protection outcomes aligned with regional priorities. In 2020, eight organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a CAP for their regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change. These six regional CAPs outline a priority list of coastal, estuarine, and marine citizen science and community on ground action, including a catalogue of community-led and Traditional Owner-led projects for implementation. CAP Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and

								continue to refine the plan to support measurable outcomes for the Reef.
Integrated Decision Making	CM-ID-006 - Reef Catchments - CAP Leader	\$48,887	24/06/2020	30/05/2021	Reef Catchments led the development of the Mackay Whitsunday Isaac Community Action Plan (CAP). A broad range of stakeholders from the Mackay, Whitsunday and Isaac regions were invited to develop visions, high priority goals and associated projects as part of a relevant and useful living document to guide the community to achieve meaningful change.	Reef Catchments Ltd	Non-specified - multiple sites	The CAP Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef protection outcomes aligned with regional priorities. In 2020, eight organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a CAP for their regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change. These six regional CAPs outline a priority list of coastal, estuarine, and marine citizen science and community on ground action, including a catalogue of community-led and Traditional Owner-led projects for implementation. CAP Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and continue to refine the plan to support measurable outcomes for the Reef.
Integrated Decision Making	CM-ID-007 - NQ Dry Tropics - CAP Leader	\$45,000	29/06/2020	30/05/2021	NQ Dry Tropics led the development of the Burdekin Dry Tropics Reef Community Action Plan (CAP) in collaboration with Reef Ecologic. Reef Ecologic	NQ Dry Tropics Ltd	Central	The CAP Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef

					<p>led communication activities for the CAP and delivered specific youth engagement opportunities. Engagements to develop the CAP focused on the Townsville, Ayr and Bowen regions. The CAP increases the coordination and collaboration between community groups in the region that are working towards Reef resilience and develop strategic community-based projects.</p>			<p>protection outcomes aligned with regional priorities. In 2020, eight organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a CAP for their regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change. These six regional CAPs outline a priority list of coastal, estuarine, and marine citizen science and community on ground action, including a catalogue of community-led and Traditional Owner-led projects for implementation. CAP Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and continue to refine the plan to support measurable outcomes for the Reef.</p>
Integrated Decision Making	CM-ID-008 - BMRG - CAP Leader	\$55,000	24/06/2020	30/05/2021	<p>Burnett Mary Regional Group led the development of the Burnett Mary Reef Community Action Plan (CAP). The CAP focuses on communities within the coastal, estuarine and marine areas of the Bundaberg, Fraser Coast and Gympie Local Government areas and the traditional Land and Sea Country of the Gooreng Gooreng, Gurang, Tarebilang</p>	Burnett Mary Regional Group for Natural Resource Management Ltd	Southern	<p>The CAP Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef protection outcomes aligned with regional priorities. In 2020, eight organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a</p>

					Bunda, Bailai and Butchulla peoples.			CAP for their regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change. These six regional CAPs outline a priority list of coastal, estuarine, and marine citizen science and community on ground action, including a catalogue of community-led and Traditional Owner-led projects for implementation. CAP Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and continue to refine the plan to support measurable outcomes for the Reef.
Integrated Decision Making	CM-ID-009 - Fitzroy Basin Association - CAP Leader	\$40,000	11/08/2020	30/05/2021	Fitzroy Basin Association led the development of the Capricorn Coast Reef Community Action Plan (CAP) in collaboration with Capricornia Catchments. Capricornia Catchments led the community engagement activities including with Traditional Owners and the delivery of specific youth engagement opportunities. The CAP identifies local priorities, plans future on-ground community actions and integrates, collates and celebrates the actions of diverse community stakeholders.	Fitzroy Basin Association Inc	Southern	The CAP Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef protection outcomes aligned with regional priorities. In 2020, eight organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a CAP for their regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change. These six regional CAPs outline a priority list of coastal, estuarine, and marine citizen science and community on ground action, including a

								catalogue of community-led and Traditional Owner-led projects for implementation. CAP Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and continue to refine the plan to support measurable outcomes for the Reef.
Integrated Decision Making	CM-ID-010 - Capricornia Catchments - CAP Leader	\$29,960	4/08/2020	30/05/2021	Fitzroy Basin Association led the development of the Capricorn Coast Reef Community Action Plan (CAP) in collaboration with Capricornia Catchments. Capricornia Catchments led the community engagement activities including with Traditional Owners and the delivery of specific youth engagement opportunities. The CAP identifies local priorities, plans future on-ground community actions and integrates, collates and celebrates the actions of diverse community stakeholders.	Capricornia Catchments Inc	Southern	The CAP Program is bringing together science, management, business, community and Traditional Owner partners and youth to implement a tangible plan to further strengthen and accelerate community Reef protection outcomes aligned with regional priorities. In 2020, eight organisations - with help from GBRF and Conservation Management - from Cape York to Burnett Mary had hundreds of discussions and 26 workshops with community partners, Traditional Owners, scientists and Reef managers to create a CAP for their regions. The plans connect community aspirations with regional and reef-wide priorities to help design better ways to work together to deliver change. These six regional CAPs outline a priority list of coastal, estuarine, and marine citizen science and community on ground action, including a catalogue of community-led and Traditional Owner-led projects for implementation. CAP Leaders provide regional knowledge, connections, coordination, and capacity to support CAP project leads and continue to refine the plan to support measurable outcomes for the Reef.

Integrated Decision Making	CM-ID-201 - Reef Catchments - CS Report Card Phase 1	\$40,440	31/08/2021	30/04/2022	This project will scope program design for a fish metric using community data sets (Stage 1), with a view to implement a suitable approach for fish narrative/indicators using citizen science data (Stage 2), and integration of citizen science fish data within a minimum of three regional report cards (and learnings shared with other report cards) as a final outcome of the project (Stage 3).	Reef Catchments Ltd	Non-specified - multiple sites	Key outcomes include: (1) Identifying existing citizen science datasets that might contribute value to the narrative, stewardship reporting, community engagement and development of future estuarine and/or marine fish indices for the Partnerships. (2) Identifying opportunities to expand or create new citizen science datasets that might support the Partnerships' long-term goals and aspirations. (3) Developing, modifying or integrating with existing tools/programs to collect fish data from citizen scientists. (4) Delivering a platform that efficiently gathers, collates and delivers citizen science fish data to the Partnerships for easy integration into assessments and communications. (5) Creating a mutually beneficial arrangement between citizen scientists and the regional report card partnerships.
Integrated Decision Making	CM-ID-301 - Lower Burdekin LA - CAP Project	\$14,734	31/08/2021	30/11/2022	Lower Burdekin Landcare are delivering a community-driven wetland restoration project to improve the ecological condition of Parkers Lagoon to increase habitat for native terrestrial and aquatic species. The project is deploying several community-weed management activities including removal of invasive plant species, restoration and maintenance of native riparian vegetation and implementation of a	Lower Burdekin Landcare Association Incorporated	Central	Key outcomes include: (1) Collective action undertaken by multiple stakeholders to achieve environmental outcomes at one site. (2) Community participation in monitoring and on-ground activities. (3) Increased capacity of local Landcare group. (4) Revegetation of the riparian zone of a waterway connected to the GBR Long-term Outcomes: (A) Increase in habitat for native terrestrial and aquatic species, (B) Riparian vegetation provides refugia for aquatic life in extreme heat, (C) Increase in water quality in Upper Lilliesmere Creek through riparian plantings, (D) Reduced

					Weevil Program to manage the growth rates of Salvinia (invasive plant). The project will also include an information sharing component through establishing a native plant walk, engaging local school students with project activities, and installing onsite signage that alerts the public to the dangers of invasive weeds as well as the project activities and benefits.			nutrients and sediment reaching the Great Barrier Reef Marine Park Area.
Integrated Decision Making	CM-ID-302 - Whitsunday Catchment Landcare - CAP Project	\$25,070	9/09/2021	31/07/2022	Whitsunday Catchment Landcare are implementing a turtle nest identification and monitoring program during turtle nesting and hatching season to enhance the protection of nests and hatchlings from feral predation. Activities include training volunteers in nest identification and monitoring, locating and recording turtle nests, uploading the geolocation of turtle nests to CSIRO to contribute to the Cape York Indigenous Rangers Turtle monitoring project, installing nest protection devices, and monitoring the results at each nest site.	Whitsunday Catchment Landcare INC	Southern	Key outcomes include: (1) Documented and geo-located evidence of flat back turtle nesting at Cape Upstart Beach and implementation of protection of turtle nests to increase successful hatching events. (2) Results/observations will contribute to the Cape York Indigenous Rangers Turtle monitoring project via CSIRO to broaden the understanding of turtle nesting over an expanded geographical area. (3) Results/observations integrated into the totals for previous and current turtle monitoring projects undertaken by local Juru & Gudjuda Traditional Owners. (4) Community participation in monitoring and on-ground activities. (5) Reduced impact of feral predator population at Cape Upstart. (6) Development of consultative and cooperative relationship between Juru Traditional Owners & Whitsunday Catchment Landcare.

Integrated Decision Making	CM-ID-304 - MICDA - CAP Project	\$47,000	13/10/2021	30/06/2023	Magnetic island Community Development Association are harnessing the energy and knowledge of residents, Traditional Owners, and stakeholders to systematically record, report on, and communicate the Islands marine and coastal ecosystem health, and factors affecting this health. The project involves the establishment of a partnership group to advise and oversee the implementation of citizen science monitoring activities, working with scientists and managers to train residents, Traditional Owners and stakeholders in ecosystem monitoring and reporting techniques to encourage two-way knowledge sharing, increasing voluntary participation in ecosystem monitoring and citizen science initiatives, and youth education activities.	Magnetic Island Community Development Association Inc	Central	The Magnetic Island regional Community Action Plan identifies community partnerships for ecosystem monitoring as a priority roadmap for implementation. To meet this priority, Magnetic Island Community Development Association (MICDA) will recruit a Citizen Science Project Coordinator to harness the energy and knowledge of residents, Traditional Owners and stakeholders to systematically record, report on, and communicate the Islands marine and coastal ecosystem health, and factors affecting this health. The project will involve the establishment partnership group to advise and oversee the implementation of citizen science monitoring activities across a broad range of stakeholders, as follows: Working with scientists and managers to train residents, Traditional Owners and stakeholders in ecosystem monitoring and reporting techniques to encourage two-way knowledge sharing between stakeholders and to build upon current work to ensure monitoring and recording of information is consistent with TCC and the Dry Tropics Partnership for Healthy Waters data needs and reporting. Increasing voluntary participation in ecosystem monitoring and citizen science initiatives to benefit the Reef and to inform management responses. Volunteers will be provided with training on how to conduct simple but consistent
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								<p>and rigorous ecosystem monitoring, beginning with the islands freshwater systems and moving into marine habitats. Potential monitoring activities include recording the condition of local sites using Eye on the Reef, reporting changes to previously monitored reef sites, marine debris, turtle activities, water quality and waterway revegetation. Ensuring clear lines of communication with the CAP Leader to share learnings, ensure efficiencies, and avoid duplication across other Magnetic Island projects. The project also involves a youth education component with the intention to create an education and career pathway for youth by engaging Magnetic Island State School (MISS) students and younger residence in environmental monitoring training and activities. In particular, the project will aim to train Indigenous youth and freshwater, estuarine and coastal monitoring will be integrated into the MISS curriculum for Year 1 to 7, building on the Reef Guardian School program. The project aims to achieve the following outcomes: Build on and synthesise previous work to guide the project approach and ensure new work fills critical gaps. Increased community participation in delivering monitoring and reporting on water quality and ecosystem health at key sites to help drive local Reef protection actions. Increased reporting to management about issues of</p>
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								concern as part of an early warning response system. Increased knowledge and awareness of marine and coastal ecosystem health amongst residents, visitors and youth through both community education and participation. Improve genuine youth engagement pathways through participation and integrated curriculum. Develop a model of community-led Reef protection is developed for other GBR continental islands.
Integrated Decision Making	CM-ID-305 - MINCA - CAP Project	\$35,000	5/10/2021	30/06/2023	Magnetic island Nature Care Association are delivering a foundational project to address current knowledge gaps required to effectively define, prioritise and implement actions to address threats to Magnetic Islands natural values. The project is empowering the island community to plan and implement actions to reduce threats through on-ground activities (including protection and rehabilitation) and identify knowledge gaps that can be targeted by citizen science (including survey and monitoring). The project is providing a scientifically solid and agreed information base that will incorporate and build on existing scientific, local and traditional knowledge, and collate and value-add through a technical review of existing	Magnetic Island Nature Care Association Incorporated	Central	Key outcomes include: (1) Providing a comprehensive and agreed knowledge framework for identifying and prioritising watercourses and coastal areas for on ground actions, and identifying their management needs to improve water quality and coastal habitat, and to reduce downstream impacts on reefs. (2) Providing the basis for identifying, planning and implementing strategic on-ground actions including protection and rehabilitation of key environments including coastal, estuarine and near coastal marine areas, and monitoring the impact of management responses. (3) Integrating local, scientific and traditional knowledge to inform, initiate and guide development and implementation of actions to protect and restore local habitats. (4) Incorporating critical capacity-building activities in each stage through participation in workshop activities; shadowing and assisting experts during site surveys, mapping, report writing,

					scientific knowledge that is tested and expanded upon through public forums.			information production and dissemination.
Integrated Decision Making	CM-ID-306 - HVDP - CAP Project	\$10,000	28/10/2021	30/06/2023	High Valley Dawn Permaculture Farm are creating a permaculture/bush tucker garden employing methods of no till, swales, ground cover and revegetation to prevent run off and to sequester carbon dioxide from the atmosphere back into the soil. In collaboration with Indigenous Elders, hands-on workshop programs, working bees and tours will be held with community members on proven regenerative agricultural practices to provide tools and support to preserve and protect local coastal, estuarine and marine areas.	The Trustee for The O'Reilly Property Trust	Southern	The goal of this project is to create an intergenerational awareness and educational program that engages landholders, individuals, community members, school and University students on regenerative agriculture principles and Bush Tucker Awareness. The program will also build critical capacity of local landholders, individuals and organisations by teaching them the skills require to implement regenerative agriculture practices across the Fitzroy River catchment and further abroad to contribute to the protection and resilience of the Reef. The anticipated outcome of the project is improved land management practices throughout the Capricorn Coast region, which is heavily dominated by a broadscale agriculture.
Integrated Decision Making	CM-ID-307 - Keppel Coast Arts Council Incorporated - CAP Project	\$12,500	14/12/2021	30/08/2022	Keppel Coast Arts and the Sandy Krak Reef Festival Committee are holding a 100% youth-led festival to encourage stewardship and enthusiasm to protect the Great Barrier Reef. This project delivers a series of workshops and a Reef Quest to encourage behavioural change through educational and interactive activities as part of the festival. Reef Protection workshops	Keppel Coast Arts Council Incorporated	Southern	The festival is an annual youth-led, 100% ecofriendly event that intertwines local talent in art, music, dance, indigenous culture and sustainability to raise awareness and encourage positive behaviour change to look after the Reef. Project funding will be used to further develop the original Sandy Krak Festival concept into a broader youth-driven event in 2022. Specifically, funding will deliver five youth-targeted workshops. Key outcomes include educating and encouraging behavioural change among local youth to

					include a marine debris clean up, recyclable calico bag workshop, marine debris sculpture making workshop, upcycling waste to create treasures workshop and a recyclable food container workshop.			protect the reef, increasing youth understanding of sustainability and sustainable alternatives, and encouraging behaviour change to reduce landfill waste, plastics and marine debris.
Integrated Decision Making	CM-ID-308 - Fitzroy Basin Association - CAP Project	\$63,074	17/11/2021	30/06/2023	Fitzroy Basin Association are implementing a youth-led marine turtle conservation and stewardship initiative called Team Hatchings which aims to provide Capricorn Coast youth a leadership platform to share their marine turtle conservation ideas and passion with community. It involves planning and implementation of community-based marine turtle education and awareness-raising activities to highlight negative human impacts and to inspire positive stewardship for reef and marine environments. The project is underpinned by collaborative strategic project design involving experienced TTCQ volunteers, Traditional Custodians from Woppaburra and Darumbal and local organisations.	Fitzroy Basin Association Inc	Southern	Key outcomes include: (1) Increasing youth involvement in coastal and marine stewardship. (2) Enhancing community knowledge and awareness of marine turtles and the human impacts/behaviours requiring change. (3) Enhancing a sense of contribution to, or connection to community through volunteering. (4) Identifying Traditional Custodian aspirations and capacity to be involved in the project. (5) Increasing stewardship promotion activities. (6) Identifying and using a collection of shared resources.
Integrated Decision Making	CM-ID-309 - WRC - CAP Project	\$50,000	29/11/2021	15/02/2023	Whitsunday Regional Council are reducing the carbon footprint of local residents and businesses through a community education program on	Whitsunday Regional Council	Southern	Key outcomes include: (1) Developing a sustainable school-based FOGO Waste Reduction Education program. (2) Increasing community awareness of FOGO as a waste

					food organics and garden organics (FOGO) waste reduction. The project will be working with the community directly and through schools to improve knowledge of how to better utilise existing FOGO waste reduction techniques and why it's important.			product and its environmental impacts and possible solutions.
Integrated Decision Making	CM-ID-310 - Sarina Landcare CMA - CAP Project	\$25,000	11/11/2021	30/06/2023	Sarina Landcare Catchment Management Association is engaging youth, volunteers, landholders, stakeholders and Traditional Owners, in the delivery of on-ground rehabilitation activities within the Sarina Catchment and to participate in awareness raising events. The project is building resilience and improving the on-ground condition at two community sites (Grasstree Beach and Carmila Beach) that will provide benefits to adjacent marine environments and ultimately protection of the Reef. Activities include weed control, revegetation, marine debris collection and surveys, native plant propagation as well as raising awareness of the importance of having healthy, resilient coastal areas, being the interface to our marine environments.	Sarina Landcare Catchment Management Association Inc.	Southern	Key outcomes include: (1) Increasing community participation in working bees and awareness raising events that will improve community connection to our natural environment. (2) Increasing knowledge and skills in natural area restoration and raising awareness of the importance of coastal areas within the local environment and their link to the marine environment. (3) Increasing health and biodiversity within identified coastal sites through on-ground works including weed control, revegetation with 300 appropriate local native plants, encouraging natural regeneration of native plants. (4) Removing marine-debris and rubbish collection at identified coastal areas. (5) Collaborating and engaging with local Council, Traditional Owners and local schools to participate in project activities.

Integrated Decision Making	CM-ID-312 - South Cape York Catchments - CAP Project	\$74,800	12/05/2022	28/02/2023	The Cape York Young Reef Leaders project is delivering on Theme 2: Engaging youth to care for the Reef, coasts and catchments of the South-eastern Cape York Community Action Plan. This project is developing a youth leadership program, bringing together students from Cape York with people who work to study and protect the Great Barrier Reef - scientists, Rangers, Reef Guides and local community.	South Cape York Catchments Inc	Northern	Key outcomes include: (1) Increasing understanding, capacity and leadership skills for youth as the next generation of Reef stewards. (2) Increasing community knowledge, understanding and stewardship actions for the Reef. (3) Collecting community data to meet priority needs, and sharing this throughout the region for utilisation by end data users to help inform reporting and decisions. (4) Strengthening partnerships and collaborations, including with Traditional Owners, community, science, management and industry to deliver shared Reef protection goals.
Local Action Projects	CM-LA-001 - Whitsunday Regional Council (WRC) - Twin Creek Restoration	\$13,500	29/05/2019	30/06/2020	Whitsunday Regional Council supported by Whitsunday Local Marine Advisory Committee and project partners completed Stage 1 of their habitat revegetation project. 1500 native trees were planted by Whitsunday Landcare Catchment volunteers to stabilise the degraded urban creek system and increase biodiversity. An interpretive sign increases awareness of the community planting site and the role that riparian vegetation plays in addressing water quality issues for the Great Barrier Reef.	Whitsunday Regional Council	Central	Whitsunday Regional Council are working with project partners to restore Twin Creek, a degraded urban creek system. Restoration will improve the wildlife corridor that connects Conway National Park with mangroves ecosystems in Pioneer Bay and improve water quality for the GBR. Their aim is to increase the roughness within the waterway and bind sediments, to slow water flow and reduce erosion. It will also provide greater opportunity for nutrient absorption by vegetation, increase sediment deposition and add biodiversity, habitat and recreational values to the area.
Local Action Projects	CM-LA-002 - Cape York Visitors Guide	\$13,500	10/04/2019	31/07/2020	South Cape York Catchments supported by Cape York Local Marine Advisory Committee and project	South Cape York Catchments Inc	Northern	South Cape York Catchments is working with local Traditional Owners, scientists, community members and school students, to create an inspiring guide for

					partners created a Northern Great Barrier Reef Visitors Guide and webpage. These educational resources raised awareness about Cape Yorks iconic species and habitats and encouraged environmentally friendly behaviour in both locals and tourists.			visitors to help them do their bit to protect the GBR. The main outcome of the project will be social change - more visitors to Cape York and the Northern Great Barrier Reef who are conscious of the threats to the GBR and who will have the knowledge to sensitively visit and utilise this area.
Local Action Projects	CM-LA-003 - Marine Debris Reduction	\$14,800	5/04/2019	30/06/2020	Reef Catchments supported by the Mackay Local Marine Advisory Committee reduced litter at its source and prevented it from entering the Great Barrier Reef. The project delivered four community engagement events with 66 community volunteers that counted and sorted debris from 12 gross pollutant traps. The data was analysed to identify the top pollutants in the Mackay region (cigarette butts, plastic packaging, plastic film remnants and foil wrapping) that could then be targeted for future source reduction initiatives.	Reef Catchments Ltd	Southern	Reef Catchments are engaging the broader community in the protection of the GBR and build understanding of the threat of marine debris. Their project is enhancing the effectiveness of existing gross pollutant traps in the Mackay region, using existing data from the traps to guide source reduction projects with local project partners. Traps have been audited to identify types of pollutants, and the influence location has on item types and sources. Project partners will use the data to approach businesses in hot spot locations to implement source-reduction plans and pilot projects.
Local Action Projects	CM-LA-004 - Inspiring Steps	\$15,000	11/04/2019	30/06/2020	Port Douglas Daintree Tourism supported by the Douglas Local Marine Advisory Committee and project partners promoted sustainable practices to improve water quality. The project showcased four local business champions and their actions to improve water quality through	Port Douglas Daintree Tourism Ltd	Central	Port Douglas Daintree and project partners are identifying leaders in the region and creating a series of vignettes showcasing their achievements. The series of local reef champion videos will document how local businesses across agriculture, tourism and community development, have changed their operating practices to improve water

					videos that were widely promoted to raise awareness and encourage behaviour change.			quality and the economic, community and sustainability benefits this has brought with it. They aim to inspire change in businesses throughout the Douglas Shire and beyond, with the overall goal of helping to improve water quality and protect the Reef for future generations.
Local Action Projects	CM-LA-005 - What's Down our Drains?	\$30,000	5/04/2019	30/06/2020	Fitzroy Basin Association supported by the Capricorn Coast and Gladstone Local Marine Advisory Committees and project partners completed Stage 1 of their litter and marine debris source reduction project. The project prevented 27,191 pieces of litter and 721 kg of pollutants (including 13,828 cigarette butts) from entering the Great Barrier Reef, through the installation of drain buddies. The project also conducted a communication and behaviour change campaign in Rockhampton, Yeppoon and Gladstone.	Fitzroy Basin Association Inc	Southern	Fitzroy Basin Association are working with project partners to install drain buddies in Gladstone, Rockhampton and Yeppoon to stop debris entering the GBR and then tackling the issue at its source. Data was collected and analysed from 27 drain buddies and three different items were chosen as the focus of community based social marketing cigarette butts in Rockhampton, straws and straw wrappers in Yeppoon and plastic-lined sugar packets in Gladstone.
Local Action Projects	CM-LA-006 - LessIsMore Marine Debris Removal	\$15,000	20/05/2019	30/06/2020	Bundaberg Fruit and Vegetable Growers Cooperative supported by the Burnett Local Marine Advisory Committee and project partners encouraged sustainable behaviour changes in the Bundaberg community through their #LessIsMore campaign. The results included	Bundaberg Fruit & Vegetable Growers Cooperative Limited	Southern	The Bundaberg Fruit and Vegetable Growers Cooperative and partners developed the #lessismore campaign including the Less Is More For the GBR Facebook page, to increase awareness of threats to the GBR and promote simple actions that people can do to reduce these threats. Their aim is to encourage sustainable behaviour changes in the Bundaberg community.

					17,750 plastic straws removed from circulation with eleven organisations, and train-the-trainer beeswax wraps workshops with nearly 500 teachers and students preventing the use of over 38 km of single-use plastic clingwrap.			
Local Action Projects	CM-LA-007 - Bowen Tourism and Business - Leaving no Footprints	\$13,011	11/04/2019	20/12/2019	Bowen Tourism and Business supported by Bowen-Burdekin Local Marine Advisory Committee and project partners delivered a Reef Interaction Education Program to visitors and locals. The program included the Walk to the Lighthouse event attended by over 3500 people, training activities for 29 event volunteers, 6 educational videos, interpretive signage, brochures, and a digital marketing campaign.	Bowen Tourism and Business	Central	The Bowen Tourism and Business Leaving No Footprints project is educating locals in Bowen and the wider region about the importance and beauty of the GBR. This includes their annual Walk to the Lighthouse event, interpretive signage, flyers, a volunteer program, a school education program, and a digital marketing campaign.
Local Action Projects	CM-LA-008 - Australian Trust for Conservation Volunteers - Litter Reduction	\$14,750	11/04/2019	30/06/2020	Conservation Volunteers Australia supported by Townsville Local Marine Advisory Committee and project partners completed their litter and marine debris source reduction project. This project conducted community engagement events including beach clean ups, created school education resources, a video for World Ocean Day, analysed data from litter traps and drafted the	Australian Trust for Conservation Volunteers	Central	The Conservation Volunteers Australia project aims to identify and reduce land-based sources of marine debris, create relevant engagement and educational materials for the whole Reef catchment and recommend cost effective local actions to reduce litter entering the marine environment. A video was created for World Oceans Day and was promoted extensively through Reef Guardian Schools networks.

					Townsville Urban Marine Debris Strategy.			
Local Action Projects	CM-LA-009 - Warriors of the Waterways	\$14,960	10/04/2019	30/06/2020	Cairns and Far North Environment Centre supported by the Cairns Local Marine Advisory Committee strengthened the capacity of community groups to take local action in protecting urban waterways. The project worked with 10 community groups to develop storylines and social media strategies. They also ran a video training workshop and developed a social media campaign and video to raise awareness of urban waterways and initiatives.	Cairns and Far North Environment Centre Inc.	Northern	The Cairns and Far North Environment Centre are working with 15 partner groups to build skills in storytelling and encouraging local stewardship of waterways through the Warriors of the Waterways project. They are sharing their knowledge with the broader conservation sector by training staff in modern communication and volunteer engagement techniques.
Local Action Projects	CM-LA-010 - CAFNEC - LMAC Continuation	\$14,143	10/12/2020	30/11/2021	Cairns and Far North Environment Centre, supported by the Cairns Local Marine Advisory Committee, is building on its first Local Action Project in 2019-20 that strengthened the capacity of community groups to take local action in protecting urban waterways.	Cairns and Far North Environment Centre Inc.	Central	Last year, the project worked with 10 community groups to develop storylines, project videos and social media strategies to raise awareness of urban waterways and community initiatives. This year, it will build on this work by delivering leadership support for an additional 10 community groups strengthening skills and networks to deliver collaborative local action for improving urban waterway health.
Local Action Projects	CM-LA-011 - SCYC - LMAC Continuation	\$21,620	12/11/2020	31/07/2022	South Cape York Catchments, supported by Cape York Local Marine Advisory Committee and project partners, will build on its first Local Action project in 2019-20 that created a Northern Great Barrier	South Cape York Catchments Inc	Northern	This year, the behaviour-change project will create and install three interpretive signs in visitor hotspot locations to further increase awareness and encourage visitors to minimise their impacts on the environment. Surveys will be conducted before and after the

					Reef Visitors Guide to encourage environmentally friendly behaviour in locals and tourists.			installation of the signs to monitor effectiveness.
Local Action Projects	CM-LA-012 - Reef Catchments - LMAC Continuation - Reef Catchments	\$8,794	12/11/2020	30/11/2021	Reef Catchments, supported by the Mackay Local Marine Advisory Committee, is building on its first Local Action project in 2019-20 to reduce litter at its source and prevent it from entering the Great Barrier Reef.	Reef Catchments Ltd	Southern	Last year, the project delivered four community engagement events with 66 community volunteers that counted and sorted debris from 12 gross pollutant traps. The data identified cigarette butts as the most widespread and prolific pollutant in the region. This year, the litter and marine debris source reduction project will deliver an education and communication campaign to encourage smokers to stop tossing their cigarette butts.
Local Action Projects	CM-LA-013 - OzFish Unlimited - LMAC Continuation	\$15,000	11/11/2020	30/11/2021	OzFish Unlimited, supported by the Hinchinbrook Local Marine Advisory Committee and project partners, will undertake a new Local Action project this year to improve awareness, understanding and local actions for coastal ecosystem restoration and adaptation in the lower Herbert.	OzFish Unlimited	Northern	This habitat restoration project will deliver the design for a demonstration fishway at Tyto wetlands, conduct a coastal adaptation community forum and prepare a report on opportunities for community to contribute to improved outcomes for coastal ecosystem restoration and adaptation measures. The project will hold a citizen science community event to collect baseline fish data at the wetlands to inform subsequent monitoring activities to measure changes from the future fishway.
Local Action Projects	CM-LA-014 - Fitzroy Basin Assoc - LMAC Continuation	\$30,000	3/11/2020	30/11/2021	Fitzroy Basin Association led the development of the Capricorn Coast Reef Community Action Plan (CAP) in collaboration with Capricornia Catchments. Capricornia Catchments led the community engagement	Fitzroy Basin Association Inc	Southern	Data gathered during each of the 5 Drain Buddy Audits conducted between August 2020 and November 2021 will be communicated to stakeholders and used to inform CBSM strategies. These strategies will be monitored and evaluated throughout project

					activities including with Traditional Owners and the delivery of specific youth engagement opportunities. The CAP identifies local priorities, plans future on-ground community actions and integrates, collates and celebrates the actions of diverse community stakeholders.			implementation and adjusted accordingly, particularly via the Steering Committee and the associated Steering Committee Working Group. Lessons learnt, baseline data and other learnings will influence future decision making and best management of stormwater and urban litter source reduction at these locations. Publications and behaviour change products will continue to be used and shared by stakeholders and the community. Data collected over time can be compared and will be available to inform related projects (e.g. Litter & Illegal Dumping programs, River Health report cards) and justify future funding of similar projects. Reduced marine debris quantity will have lasting positive impact by removing items at their source, thus reducing impacts on marine megafauna and ecosystems.
Local Action Projects	CM-LA-015 - Townsville City Council - LMAC Continuation	\$15,000	27/10/2020	30/11/2021	Townsville City Council, supported by Townsville Local Marine Advisory Committee and project partners, is building on a project delivered by Conservation Volunteers Australia in 2019-20 that developed a Townsville Urban Marine Debris Strategy.	Townsville City Council	Central	Last year, the project conducted beach clean-ups, created school educational resources, analysed data from litter traps and drafted the strategy. This year, the litter and marine debris source reduction project will install 20 litter traps to prevent litter entering the Great Barrier Reef through Ross Creek. The project will hold community engagement events, collect and analyse data from the traps, update the strategy, and develop source reduction programs to address hotspot areas.
Local Action Projects	CM-LA-016 - Bundaberg Fruit and Vegetable	\$15,000	27/10/2020	30/11/2021	Bundaberg Fruit and Vegetable Growers Cooperative, supported	Bundaberg Fruit & Vegetable	Southern	Last year, the project removed 17,750 plastic straws from circulation by working with

	Growers Coop - LMAC Continuation				by the Burnett Local Marine Advisory Committee and project partners, is building on its first Local Action project in 2019-2020 to continue its #LessIsMore campaign.	Growers Cooperative Limited		eleven local companies. It also held train-the-trainer beeswax wrap workshops with nearly 500 teachers and students, preventing the use of over 38 kilometres of single-use plastic clingwrap. This year, the behaviour change project will continue the train-the-trainer workshops, swapping plastic for paper straws in local businesses, repurposing the plastic straws, purchasing a portable water bottle refill station for community events and installing 10 cigarette butt bins and signage.
Local Action Projects	CM-LA-017 - Douglas Shire Council - LMAC Continuation	\$14,898	21/10/2020	30/11/2021	Douglas Shire Council, supported by the Douglas Local Marine Advisory Committee and project partners, is building on a project delivered by Port Douglas Daintree Tourism in 2019-20 to promote sustainable practices that improve water quality.	Douglas Shire Council	Central	Last year, the project showcased four local business champions and their actions to improve water quality through videos and widely promoted them to raise awareness and encourage behaviour change. This year, the project will continue with a focus on sustainable fishing practices. The project will develop educational materials including a video, website information, signage and hold a community workshop to improve engagement and explore sustainable fishing practices that aim to foster long-term improvements in the Douglas Shire fishing community.
Local Action Projects	CM-LA-018 - Johnstone River Catchment Mgmt Assoc - LMAC Continuation	\$14,908	14/02/2021	30/11/2021	Johnstone River Catchment Management Association supported by the Cassowary Coast Local Marine Advisory Committee and project partners are improving urban drainage systems for improved water quality, increased	Johnstone River Catchment Management Association Inc	Central	The schools and community ecologically engineered drainage improvements project will demonstrate two ecologically sound approaches to drainage through reduction of pollutants including excess nutrients and sediments. The drain improvements aim to improve water quality for

					biodiversity and as an educational resource.			increased reef resilience, enhance biodiversity at the site and provide an educational resource.
Local Action Projects	CM-LA-019 - Whitsunday Regional Council - LMAC Continuation	\$12,025	1/02/2021	30/11/2021	Whitsunday Regional Council, supported by Whitsunday Local Marine Advisory Committee and project partners, is building on its first Local Action project in 2019-20 to undertake stage two of its revegetation project.	Whitsunday Regional Council	Southern	Last year, 1,500 native trees were planted by the community to address erosion and water quality issues by restoring the riparian vegetation along this popular local creek that feeds into the Great Barrier Reef. This year, the habitat restoration project will plant another 1,500 native trees with the community, including Whitsunday Landcare Catchment volunteers. This will further stabilise the degraded urban creek system and increase biodiversity. The site will be monitored and an interpretive sign will be installed to increase awareness of the community planting site and the role that riparian vegetation plays in addressing water quality issues for the Great Barrier Reef.
Local Reef Restoration	CM-LR-001 - Wavelength Cruises - Local Reef Restoration	\$55,450	19/11/2020	30/04/2022	This project engages local school students in making and monitoring mini-tiles for coral larval seeding units focused on collecting brooding coral species.	Wavelength Reef Cruises	Northern	<p>Coral larval settlement and recruit survivorship monitoring using the tiles is underway. This information will help to grow understanding about how coral spat survivorship varies between sites in the first months of growth. Information about natural recovery processes at specific sites helps inform site protection plans.</p> <p>The quick-deploy and low-cost mini-tiles (coming in at about 4 cents each) could play a future role in local-scale coral restoration as a useful tool for researching how micro-habitat influences coral out-plant survival.</p>

Local Reef Restoration	CM-LR-002 - Uni of Technology Sydney - Coral Nurture Program	\$496,945	3/12/2020	30/06/2024	A unique tourism-research partnership in the Cairns-Port Douglas region is building reef site stewardship capacity through supporting nursery-based coral propagation, out-planting and monitoring of 100,000 corals on local reefs.	University of Technology Sydney	Northern	This project is building knowledge about the cost-effectiveness of coral out-planting at scale across diverse high value sites and operations, as well as explore sustainable financing options to deliver a new reef stewardship model needed to enhance resilience under climate change. The project brings together five local tourism operators working with University of Technology Sydney to evaluate and optimise practices for wider adoption.
Local Reef Restoration	CM-LR-003 - Reef Magic - Yirrganydji Reef Restoration	\$150,000	18/03/2021	31/03/2022	The Yirrganydji Aboriginal people of the Yirrgay dialect, Reef Magic Cruises (Experience Co) and Reef Restoration Foundation propose to collaboratively design a functional decision tree toolbox adapted to the Great Barrier Reef (GBR) and produce site stewardship plans for Saxon, Norman and Hastings reefs. The project will collect and apply monitoring data and local Indigenous Ecological Knowledge to develop the toolbox and site stewardship plans to clearly outline the approach to select and implement the most appropriate suite of reef protection and/or intervention activities to boost coral reef resilience at high value tourism sites within Yirrganydji Sea Country. The pilot project will produce an active and	Reef Magic Cruises Pty Ltd	Northern	<p>The development of a comprehensive monitoring package, integrated with Indigenous Ecological Knowledge is a critical step to formulate site stewardship plans at several reef tourism sites within Yirrganydji Sea Country. The monitoring programme will compliment Indigenous Ecological Knowledge to provide additional information on coral cover/species richness, water temperature/flow, coral spawning/recruitment, corals of opportunity, fish assemblages and coral predator abundance. The pilot phase will produce an active and scalable template for Tourism operators and Traditional Owners.</p> <p>Yurrbin mamingal caring for our coral reef will aim to:</p> <ol style="list-style-type: none"> <li>1. Establish a replicable community-based model that brings together partners and expertise into a collaborative and coordinated approach for resourcing, operation and project delivery</li> <li>2. Design and trial a decision</li> </ol>

					scalable template for Tourism operators and Traditional Owners to promote and conserve the outstanding natural and cultural values of the World Heritage Great Barrier Reef. The selected reef sites have important socio-economic, ecological and cultural values, but have been influenced by past disturbances including cyclones, mass coral bleaching events and historical outbreaks of crown-of-thorns starfish.			tree toolbox tailored for the GBR, that supports local scale reef resilience networks, and incorporate local Indigenous Ecological Knowledge through practical and adaptable plans that outline cost efficient and effective tailored site stewardship actions 3. Increase awareness, understanding and recognition of Yirrganydji people's sea country, Indigenous Ecological Knowledge, and Indigenous heritage values of the Great Barrier Reef 4. Build capacity for local scale resilience and stewardship of coral reef sites through tailored training and education opportunities.
Local Reef Restoration	CM-LR-004 - JCU TropWater - Hub Coordinator	\$251,941	20/12/2021	30/06/2024	The Cairns-Port Douglas Reef Hub (Hub) is a collaborative network that aims to provide a platform for communication, information exchange and collaboration to scale and strengthen Reef and community resilience outcomes. The purpose of the Hub Coordinator is to manage design, coordination and on-ground implementation of the Hub on a day-to-day basis. The Coordinator will play an important role as a central connection point across a range of partners with interests in Reef restoration and stewardship activities in the Cairns-Port Douglas	JCU TropWATER	Central	The Hub will focus on: (1) Building on current local-scale efforts and identify additional opportunities to help make actions stronger and more efficient to deliver outcomes for the Reef and local community. (2) Creating a way for Traditional Owners, the tourism industry, reef restoration organisations, science and community to share stories about their work to enable a more visible collective voice and narrative about the region and the positive action taken on the Reef. (3) Supporting sharing and learning between Traditional Owners, practitioners, researchers, and Reef managers in the region and in other regions; and building practical and beneficial links with the larger-scale Reef Restoration and Adaptation Program work for activities that meet shared goals. (4)

					region (and beyond). They will be responsible for supporting a collaborative network to build on work underway and strengthen communication and information exchange to scale and strengthen Reef and community resilience outcomes.			Enhancing tools and skills that support innovation in local practice; exploring new techniques and solutions to improve efficacy of local interventions; and exploring shared approaches for monitoring and assessment of progress and outcomes.
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## IMR PROJECT SUMMARY

<i>Subprogram Name</i>	<i>Project Name</i>	<i>Contract Value</i>	<i>Start Date</i>	<i>End Date</i>	<i>Project Description</i>	<i>Contracted Partner</i>	<i>Location</i>	<i>What is it achieving?</i>
Critical Monitoring	IM-CM-101 - AIMS - Marine Monitoring Program (MMP)	\$1,799,173	6/10/2020	30/06/2024	The Fitzroy Basin region is a major contributor to sediment and nutrient loads. This project re-establishes marine monitoring in the coastal region of the Fitzroy River to measure status and trends in water quality at six sites.	Australian Institute of Marine Science AIMS	Central	Filling a critical Water Quality data gap since 2015 of the largest catchment area into the Great Barrier Reef lagoon. Engaging Traditional Owners in critical water quality monitoring in the Fitzroy region.
Critical Monitoring	IM-CM-102 - CSIRO - SELTMP	\$1,223,818	24/08/2020	30/06/2024	This project will extend and improve on the foundations of the Social and Economic Long-Term Monitoring Program for the Great Barrier Reef (SELTMP), and will operationalise priority human dimension indicators and monitoring activity identified in RIMREP.	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	Non-specified - multiple sites	This delivers a data set identified as crucial for understanding how human activity can purposefully enhance Reef health and thus enables the assessment of the Reef 2050 plan
Critical Monitoring	IM-CM-103 - Citizens of GBR - Great Reef Census	\$725,000	15/09/2020	30/06/2022	The Great Reef Census is an innovative pilot project that aims to trial new models of scalable data collection to support research and management priorities.	Citizens of the Great Barrier Reef	Non-specified - multiple sites	A flotilla of more than 40 tourism boats, superyachts, fishing vessels and tugboats collected data across the 2,300km length of the reef. Together partners contributed more than 13,000 images from over 150 reefs.

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Critical Monitoring	IM-CM-104 - AIMS - NGBR Monitoring	\$574,000	8/11/2018	31/07/2019	This collaborative project filled a critical monitoring gap in the northern Great Barrier Reef. In Partnership with AIMS, coral and fish surveys were undertaken on 18 reefs located in the far north of the Marine Park. condition as well as information on Crown-of-Thorns Starfish abundance and fish communities to Marine Park managers.	Australian Institute of Marine Science AIMS	Northern	This survey provided vital status of coral cover following the 2016 and 2017 coral bleaching events and prior to the 2020 coral bleaching event.
Critical Monitoring	IM-CM-201 - AIMS - Indicators	\$500,000	6/10/2021	30/06/2024	The Australian Marine Institute of Science will lead the development of a standardised indicator framework for coral condition and recovery capacity to inform early warning signs of reef ecological change for reporting and decision-making.	Australian Institute of Marine Science AIMS	Non-specified - multiple sites	This project will address critical knowledge gaps in Reef health and coral condition reporting.
Critical Monitoring	IM-CM-202 - SCU - Dolphin	\$739,998	14/10/2021	30/11/2023	Southern Cross University will collaborate with Traditional Owners to address critical knowledge gaps on in-shore dolphins in the GBR, including understanding the	Southern Cross University	Northern	The project will collect critical information for researchers and Reef managers to accurately understand the conservation status of in-shore dolphins across the GBR to better inform Reef management decisions and reporting against the Reef 2050 plan.

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					distribution and abundance of three endangered in-shore dolphin species in the northern GBR. The project will also map and assess the threats to this species across the entire Reef.			
Critical Monitoring	IM-CM-203 - MU - Sea Cucumber	\$968,976	18/11/2021	30/06/2024	Sea cucumbers have been harvested through a commercial fishery for decades, yet relatively little is known about the population or vulnerabilities of species taken, including threatened and protected species. Macquarie University will work alongside commercial fishers, Traditional Owners and key stakeholders to assess the population, demography and impacts of commercial fisheries on sea cucumbers.	Macquarie University	Non-specified - multiple sites	The project will form the first assessment of a sea cucumber fishery globally using remote-sensing and machine learning techniques to understand the status of sea cucumbers and harvest impacts. This new knowledge will provide important insight into the short-term and long-term sustainability of sea cucumbers, including protected and threatened species, and help inform sea cucumber fishery practices.
Critical Monitoring	IM-CM-204a - AIMS - Fish Phase 1	\$275,130	28/10/2021	30/04/2022	The Australian Institute of Marine Science will lead the scoping and design of a monitoring project	Australian Institute of Marine Science AIMS	NA - Not location specific e.g consulting	The development of an Integrated Reef Fish Monitoring Program (IRFMP) that will be implemented under the RTP as Phase 2 to address critical knowledge gaps for reef fish identified by the Reef Integrated Monitoring and Reporting Program (RIMREP).

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					to address priority knowledge gaps for fish in in-shore shallow and deep water and inter-reefal habitats.			
Critical Monitoring	IM-CM-205 - DES - Biosecurity	\$560,000	16/02/2022	30/06/2024	The native flora and fauna of Great Barrier Reef islands are under increasing threat from invasive species. The Queensland Department of Environment and Science will lead this project working with local communities and Indigenous Rangers to trial and implement innovative methods to monitor invasive rodent and ant populations to detect and prevent ecologically harmful incursions.	QLD Government Department of Environment and Science	Non-specified - multiple sites	The project will enhance the Reef Joint Field Management Programs biosecurity surveillance capacity for early detection of invasive rodents and high-risk ant species. Early detection will enable the delivery of timely intervention strategies to better protect native flora and fauna on select GBR islands.
Critical Monitoring	IM-CM-206 - DES - Islands	\$660,000	16/02/2022	30/06/2024	The Department of Environment and Science will work with community and Indigenous Rangers to establish monitoring programs to understand changing island habitats, ecosystems and fauna from climate	QLD Government Department of Environment and Science	Non-specified - multiple sites	The project will develop more efficient ways to survey islands, including opportunities for data collection by First Nations people. It will deliver critical data to monitor island habitat changes from climate change, severe weather events and biosecurity risks to better inform on-going management decisions and rehabilitation efforts.

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					change and visitation.			
Critical Monitoring	IM-CM-207 - DES - Seabirds	\$790,000	6/05/2022	30/06/2024	This project will work with citizen scientists to trial new and improved collections methods and analysis to informing ongoing seabird monitoring programs in the Great Barrier Reef World Heritage Area.	State of Queensland acting through the Department of Environment and Science	Non-specified - multiple sites	The Project will enhance the Reef Joint Field Management Programs capacity to monitor and detect changes in globally and nationally significant seabird populations.
Critical Monitoring	IM-CM-208 - CSIRO - Sustainable Use	\$450,000	27/10/2021	30/06/2024	CSIRO will work in partnership with key stakeholders, including Traditional Owners, to monitor the impacts of human use on the social and ecological values of the Great Barrier Reef. The project will explore who uses the Reef, what values they derive from the Reef and how their use and values intersect with changes in Reef health.	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	Non-specified - multiple sites	This project will provide managers and decision makers with consolidated and appropriate data on reef users, uses (commercial and non-commercial) and interactions between these and changes in Reef health to inform Reef management decisions and map progress towards Reef 2050 targets and objectives.
Critical Monitoring	IM-CM-209 - QUT - Collective Capacity	\$389,611	3/12/2021	30/06/2024	Led by Queensland University of Technology, this project will engage Reef 2050 Plan governance actors and key implementing stakeholders to	QLD University of Technology	Non-specified - multiple sites	The project will provide an enduring framework and critical information for decision makers to identify critical areas of the Reef 2050 Plan that require further effort, opportunities to better align projects with strategic aims, and highlight areas of inefficiency due to duplication or misaligned tasks and decisions.

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					understand how governance structures are operating to achieve improved ecological outcomes for the Reef. Key areas include policy and program coherence, policy and program impact and outcomes, community involvement and satisfaction in Reef management, and availability and use of integrated knowledge sets.			
Critical Monitoring	IM-CM-211 - CSIRO - Sampling Design	\$69,596	14/12/2021	31/01/2023	CSIRO will provide expertise in sampling design to support the design of several Stage 2 critical monitoring projects.	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	NA - Not location specific e.g consulting	Expertise in sampling design to support the design of several Stage 2 critical monitoring projects.
Critical Monitoring	IM-CM-301 - JCU - COTS WQ Sampling Pilot	\$125,000	20/12/2021	31/08/2022	Pilot study to investigate options for water quality sampling as part of the Reef Trust Partnership's Crown-of-Thorns Starfish Control Program.	James Cook University	Non-specified - multiple sites	This project will determine whether the COTS Control vessels can effectively contribute to understanding water quality conditions on mid-shelf and outer-shelf reefs and validate remote sensing products generated through the Marine Monitoring Program.
Critical Monitoring	IM-CM-501 - AIMS - eReefs Phase 5	\$930,456	29/06/2021	30/06/2024	Supporting the operation and continuous improvement of the eReefs system which provide monitoring and	Australian Institute of Marine Science AIMS	Non-specified - multiple sites	The continued provision of this critical monitoring and modelling tool that assists Reef managers and scientists to report on progress of Reef protection initiatives and assist decision making and prioritisation.

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					modelling visualisation around water quality and streamflow that span the entire GBR area.			
Critical Monitoring	IM-CM-502 - BOM - eReefs Phase 5	\$2,738,140	21/07/2021	30/06/2024	Supporting the operation and continuous improvement of the eReefs system which provide monitoring and modelling visualisation around water quality and streamflow that span the entire GBR area.	Bureau of Meteorology	Non-specified - multiple sites	The continued provision of this critical monitoring and modelling tool that assists Reef managers and scientists to report on progress of Reef protection initiatives and assist decision making and prioritisation.
Critical Monitoring	IM-CM-503 - CSIRO - eReefs Phase 5	\$5,999,424	16/07/2021	30/06/2024	Supporting the operation and continuous improvement of the eReefs system which provide monitoring and modelling visualisation around water quality and streamflow that span the entire GBR area.	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	Non-specified - multiple sites	The continued provision of this critical monitoring and modelling tool that assists Reef managers and scientists to report on progress of Reef protection initiatives and assist decision making and prioritisation.
Critical Monitoring	IM-TO-001 - CSIRO - Strong People Strong Country Framework	\$337,335	30/06/2020	31/10/2022	The Traditional Owner-led Integrated Monitoring and Reporting (TOIMR) project aims to build capacity for Traditional Owner leadership of	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	NA - Not location specific e.g consulting	The Traditional Owner-led Integrated Monitoring and Reporting (TOIMR) project aims to build capacity for Traditional Owner leadership of monitoring and reporting in the Great Barrier Reef (GBR). First Nations Peoples from over 70 tribal groups maintain rights, interests, and aspirations within the GBR and have long sought to link traditional knowledge and practice into modern decision making

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					monitoring and reporting in the Great Barrier Reef (GBR). First Nations Peoples from over 70 tribal groups maintain rights, interests, and aspirations within the GBR and have long sought to link traditional knowledge and practice into modern decision making			
Decision Support	IM-DS-101 - UTAS - Data Management System (Phase 1) Scoping Assessment	\$142,883	1/10/2021	28/02/2022	IMOS, via the University of Tasmania, will scope a fit-for-purpose data management system that will underpin the delivery of RIMRePs coordinated monitoring, modelling and reporting program that will help track progress towards Reef 2050 Plan objectives.	University of Tasmania	NA - Not location specific e.g consulting	Phase 1 outcomes include clearly defined operational and resource requirements for the delivery of a fit-for-purpose RIMReP DMS and a costed plan for its delivery in Phase 2.