

# REEF 2050 MID-TERM PLAN ACTION TRACKER

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
 <b>Biodiversity</b>					
BA1	Where agreed through Traditional Owner engagement frameworks, apply traditional knowledge and customary use of biological diversity, including the use of community protocols in managing protected areas.	GBRMPA	DES, DNRME, DATSIP, DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing.
BA2	Work with Traditional Owner groups to identify biocultural resources within their sea country and develop plans of management for conservation and use of those resources.	GBRMPA	DNRME, DATSIP, DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing.
BA3	Improve Traditional Owner engagement to strengthen participation in decision making at all levels relating to the conservation and cultural use of biodiversity.	GBRMPA	DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing.
BA4	Work with Traditional Owners to build capacity to record and manage traditional ecological knowledge, and prioritise research to address key Indigenous knowledge gaps.	GBRMPA	DATSIP, DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing.
BA5	Further develop and implement dugong and turtle protection plans using the Reef Trust and associated initiatives.	DoEE	QG, GBRMPA, PMC, LG	Foundational activity	The Reef Trust is one of the key mechanisms assisting in the delivery of the Reef 2050 Plan, focusing on known critical areas for investment—improving water quality and coastal habitat along the Great Barrier Reef, controlling the current outbreak of crown-of-thorns starfish and protecting threatened and migratory species, particularly dugong and turtles. Further information about the Reef Trust is available at: <a href="http://www.environment.gov.au/marine/gbr/reef-trust">www.environment.gov.au/marine/gbr/reef-trust</a> .
BA6	Establish three net-free fishing zones in north and central Queensland: Trinity Bay, Cairns; St Helen's Beach-Cape Hillsborough, north of Mackay; and Yeppoon-Keppel Bay-Fitzroy River, Capricorn Coast.	DAF	-	Complete	Action is complete. The Queensland Government implemented three new net-free fishing zones in Cairns, Mackay and the Capricorn Coast. These were established by regulation and came into effect on 1 November 2015. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
BA7	Develop and implement the recommendations of the National Vessel (Ship) Strike Strategy.	DoEE	QG, GBRMPA, Industry	Foundational activity	The National Strategy for Reducing Vessel Strike on Cetaceans and other Marine Megafauna was published in December 2017, available at: <a href="http://www.environment.gov.au/marine/publications/national-strategy-reducing-vessel-strike-cetaceans-marine-megafauna">www.environment.gov.au/marine/publications/national-strategy-reducing-vessel-strike-cetaceans-marine-megafauna</a> . Implementation of the strategy is a foundational activity to manage the Reef.
BA8	Maintain and enhance a marine animal stranding response program.	DES	GBRMPA	Foundational activity	This action is considered an underpinning foundational activity to manage the Reef. This action is part of the Joint Field Management Program which includes a program for maintaining and enhancing a Reef-wide marine wildlife stranding response. This includes training volunteers to respond to strandings and updating the online training program and training material for volunteers.
BA9	Identify key habitat types that support foraging for marine turtles within the World Heritage Area. The first five years will focus on flatback turtles.	DES	GBRMPA	Updated	Updated with new action in revised Plan on the Queensland turtle strategy (see MTR BA1).
BA10	Identify, protect and manage key marine turtle nesting areas.	DES	GBRMPA	Updated	Updated with new action in revised Plan on the Queensland turtle strategy (see MTR BA1).
BA11	Identify, protect and manage key seabird nesting islands, and key habitats that support foreshore and pelagic foraging.	DES	GBRMPA, LG	Ongoing - underway	No change. Implementation is ongoing.
BA12	Identify, protect and manage key habitat for inshore dolphins.	GBRMPA	DoEE, QG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements and policy development. The Joint Field Management Program also considers risks to inshore dolphin populations as part of its operational planning.

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
BA13	Continue to protect and manage key habitat areas for dugong.	GBRMPA	DoEE, QG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements and policy development. The Joint Field Management Program also considers risks to dugong populations as part of its operational planning.
BA14	Implement further actions to reduce human-related causes of dugong mortality such as vessel strike and net entanglement.	DES	GBRMPA	Foundational activity	This action is considered an underpinning foundational activity to manage the Reef. This action is covered under the StrandNet program which is a database of marine wildlife strandings and deaths that is continually maintained by the Queensland Department of Environment and Science. The database indicates where marine animal deaths have occurred directly due to a human-related cause. This data has been used to implement measures to reduce boat strikes and netting as a source of injury and mortality.
BA15	Reduce cumulative impacts on coastal dolphin populations and their supporting habitats especially Australian humpback and snubfin dolphins.	GBRMPA	QG, DoEE	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements and policy development. The Joint Field Management Program also considers risks to dolphin populations as part of its operational planning.
BA16	Implement conservation plans for priority species of conservation concern.	GBRMPA	DoEE, QG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements and policy development. The Joint Field Management Program also considers risks to species of conservation concern as part of its operational planning.
BA17	Identify the key indicator species and populations including fisheries species, to inform refinement of targets and for inclusion in the Integrated Monitoring and Reporting program.	GBRMPA	QG, Commercial and Recreational Fishers	Updated	Incorporated into a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).
BA18	Complete population or stock assessments of indicator species, including fisheries species, to inform population resilience and sustainable use.	DAF	DoEE	Updated	Incorporated into new actions to develop and implement an Integrated Monitoring and Reporting Program and the Queensland Sustainable Fisheries Strategy (see MTR GA4 and MTR BA2).
BA19	Monitor and report on key seabird populations to establish trends.	GBRMPA	QG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. Monitoring and reporting on seabird populations is a component of the Joint Field Management Program.
BA20	Monitor and report on turtle breeding/nesting success of green, loggerhead, flatback and hawksbill turtles at key locations.	DES	QG	Updated	Updated with new action in revised Plan on the Queensland turtle strategy (see MTR BA1).
BA21	Continue to survey and report on the dugong population every five years.	GBRMPA	JCU, QG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. Monitoring of dugong populations is currently being funded through the Reef 2050 Integrated Monitoring and Reporting Program. Reporting occurs every five years through the Outlook Report.
BA22	Continue implementation of the Raine Island Recovery project.	DES	GBRMPA, BHP Billiton, CSIRO, GBRF, Wuthathi and Kemer Kemer Meriam Nation Traditional Owners	Ongoing - underway	No change. Implementation is ongoing.
BA23	Review the regulatory structure of fishing to ensure the sustainability of Queensland's fisheries.	DAF	QG	Updated	Updated with a new action to implement the Queensland Sustainable Fisheries Strategy (see MTR BA2).
BA24	Ensure that through the Field Management Program resources are available for island habitat restoration projects and pest eradication particularly at critical seabird and turtle nesting sites.	GBRMPA	QG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements and policy development. Habitat restoration and the management of pest species are key components of the Joint Field Management Program.
BA25	Develop a guideline specific to the Great Barrier Reef on assessing and managing impacts of underwater noise on species.	GBRMPA	DES, DTMR, AMSA	Ongoing - underway	No change. Implementation is ongoing.

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
 <b>Community benefits</b>					
CBA1	Review current mechanisms and processes to improve benefits to Traditional Owners engaged in sea country management.	GBRMPA	DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
CBA2	Work with Traditional Owners to identify world's best practice in agreement making, strategic planning, and management and implementation of Indigenous programs in relation to the Great Barrier Reef sea country estate.	GBRMPA	DATSIP, DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
CBA3	Develop collaborative working arrangements with Traditional Owners which establish mutual trust and build Indigenous capacity.	GBRMPA	DATSIP, DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
CBA4	Ensure the impact on Reef health and resilience is considered in planning and developing coastal hazard responses to ensure any negative impacts are avoided then mitigated.	DES	LG, GBRMPA	Foundational activity	This action is considered an underpinning foundational activity to manage the Reef. The State Planning Policy 2017 under the Queensland Planning Act 2016 has been released. This policy includes State interest policies and assessment benchmarks for coastal environment, biodiversity, water quality and natural hazards.
CBA5	Ensure community benefits derived from the Reef are considered in local and State-level policy and planning instruments and development and management decisions.	DSDMIP	LGAQ, LG, NRMs	Foundational activity	This action is considered an underpinning foundational activity to manage the Reef. The State Planning Policy 2017 under the Queensland Planning Act 2016 has been released. This policy includes State interest policies and assessment benchmarks for coastal environment and liveable communities .
CBA6	Establish and adopt standards to report on condition and trend of aesthetic values of the reefs, islands and coasts.	GBRMPA	QG, LG	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting program (see MTR GA4).
CBA7	Ensure the aesthetic values of the reefs, islands and the coast are considered and protected through planning and development decisions.	DSDMIP	GBRMPA, LGAQ, LG	Complete	Action complete. These elements are incorporated in the new State Planning Policy 2017 under the Planning Act 2016 available at <a href="https://planning.dsdmip.qld.gov.au/planning/better-planning/state-planning/state-planning-policy-spp">https://planning.dsdmip.qld.gov.au/planning/better-planning/state-planning/state-planning-policy-spp</a> .
CBA8 (a)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (a) ensure that tourism and recreation activities are ecologically sustainable	GBRMPA	AMPTO, LGAQ, QG, NRMs	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system and the Joint Field Management Program's compliance operations. The Great Barrier Reef Marine Park Zoning Plan and Great Barrier Reef Coast Marine Park Zoning Plan provide for a range of ecologically sustainable recreational, commercial and research opportunities and for the continuation of traditional activities.
CBA8 (b)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (b) maintain and apply a contemporary and adaptive set of management arrangements	GBRMPA	AMPTO, LGAQ, QG, NRMs	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system and Joint Field Management Program operations. The Great Barrier Reef Marine Park Zoning Plan and Great Barrier Reef Coast Marine Park Zoning Plan provide for a range of ecologically sustainable recreational, commercial and research opportunities and for the continuation of traditional activities.
CBA8 (c)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (c) implement best practice approaches and certification programs (where appropriate) to ensure protection and sustainable use of the Great Barrier Reef (for example High Standard Tourism Operators program)	GBRMPA	AMPTO, LGAQ, QG, NRMs	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system and the High Standard Tourism Operators program.
CBA8 (d)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (d) maintain visitor satisfaction through high quality presentation and tourism services, including quality world heritage interpretation	GBRMPA	AMPTO, LGAQ, QG, NRMs	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system and the High Standard Tourism Operators program.

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
CBA8 (e)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (e) maintain recreational opportunities for Reef visitors (e.g. recreational fishing, sailing and diving)	GBRMPA	AMPTO, LGAQ, QG, NRM	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development and the marine parks permission system. The Great Barrier Reef Marine Park Zoning Plan and Great Barrier Reef Coast Marine Park Zoning Plan provide for a range of ecologically sustainable recreational, commercial and research opportunities and for the continuation of traditional activities.
CBA8 (f)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (f) coordinate field management activities for Reef visitors	GBRMPA	AMPTO, LGAQ, QG, NRM	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system and Joint Field Management Program operations.
CBA8 (g)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (g) promote voluntary compliance and Reef-friendly behaviour	GBRMPA	AMPTO, LGAQ, QG, NRM	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system, the joint Field Management Program's compliance operations and the Great Barrier Reef Marine Park Authority's education and stewardship programs (i.e. Reef Guardians).
CBA8 (h)	Industry, community and governments work together to implement policies and programs that address tourism and recreational use of the Great Barrier Reef Marine Park: (h) provide adequate and well-maintained visitor infrastructure such as public moorings, reef protection markers, island facilities and interpretive signs.	GBRMPA	AMPTO, LGAQ, QG, NRM	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system and Joint Field Management Program operations that maintain and enhance public infrastructure.
CBA9	In the revision of climate change adaptation strategies recognise and avoid adverse impacts on coastal ecosystems essential for Reef health and resilience.	DES	DoEE, LG	Updated	Updated with a new action in the revised Plan to implement the Queensland Climate Adaptation Strategy and the Queensland Climate Transition Strategy (see MTR EHA17).
CBA10	Develop and implement plans of management in areas of the Great Barrier Reef Marine Park that have high growth for recreation and other uses.	GBRMPA	-	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system and the Joint Field Management Program's compliance operations. The Great Barrier Reef Marine Park Zoning Plan and Great Barrier Reef Coast Marine Park Zoning Plan provide for a range of ecologically sustainable recreational, commercial and research opportunities and for the continuation of traditional activities.
CBA11	Strengthen programs to understand and promote the: <ul style="list-style-type: none"> <li>Reef's values and the community benefits they provide</li> <li>threats to the values of the Reef and what people can do to address them</li> <li>implications of climate change for the Reef and coastal ecosystems</li> <li>role of the Reef, coastal ecosystems and physical coastal processes in protecting communities from extreme weather events</li> <li>opportunities to contribute or play a role in protecting and managing the Reef.</li> </ul>	GBRMPA	AMPTO, LGAQ, Industry, QG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system, Joint Field Management Program's operations and the Great Barrier Reef Marine Park Authority's education and stewardship programs (i.e. Reef Guardians).
CBA12	Improve the involvement and support of local communities in monitoring, protecting, managing and sustainably using the Reef, including through citizen science and Local Marine Advisory Committees.	GBRMPA	QG, GBRF, LG	Foundational activity	The Great Barrier Reef Marine Park Authority is advised on Marine Park management issues at a local level by voluntary community-based committees called Local Marine Advisory Committees. Established in 1999, the committees enable local communities to have effective input into managing the marine park and provide a community forum for interest groups, government and the community to discuss issues around marine resources.
CBA13	Support the long-term social and economic monitoring program.	GBRMPA	LG	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
 <b>Economic benefits</b>					
EBA1	Develop and implement an Indigenous Business Development Plan including a comprehensive review of baseline data, processes and systems to identify existing and potential economic benefits to Traditional Owners.	PMC	DATSIP, GBRMPA, DSDMIP, Traditional Owners	Ongoing - underway	Established in 1999, the committees enable local communities to have effective input into managing the Marine Park and provide a community forum for interest groups, government and the community to discuss issues around marine resources.
EBA2	Assist Traditional Owners to be business-ready and have improved capacity to generate economic benefits from use and management of their traditional estates.	PMC	DATSIP, GBRMPA, DSDMIP, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
EBA3	Introduce a guideline for port master planning for the ports of Gladstone, Hay Point/Mackay, Abbot Point and Townsville that optimises infrastructure and considers operational, economic, environmental and social relationships as well as supply chains and surrounding land issues.	DSDMIP	-	Complete	Action is complete. The final guideline was issued 1 November 2016 and is available at <a href="http://statedevelopment.qld.gov.au/industry-development/guideline-master-planning-for-priority-ports.html">http://statedevelopment.qld.gov.au/industry-development/guideline-master-planning-for-priority-ports.html</a> .
EBA4	Adopt the best practice principles identified in the Gladstone Independent Review Reports and integrate into port planning and development.	DSDMIP	DoEE	Complete	Action complete. Best practice principles included in the master plan requirements.
EBA5	Identify the risk and any necessary mitigation measures to deal with impacts of coal dust on the Reef.	DoEE	QG, Industry	Complete	Action complete. Research conducted by the ARC Centre of Excellence for Coral Reef Studies and the Australian Institute of Marine Science identified the impacts of coal dust on corals, seagrass and fish in the Great Barrier Reef and the consequences of coal dust entering the marine environment. Available at: <a href="http://www.nature.com/articles/srep25894">http://www.nature.com/articles/srep25894</a> .
EBA6 (a)	Implement commitments for best-practice commercial vessel operation including those aimed at: (a) reducing collisions with marine fauna	DoEE	-	Foundational activity	The National Strategy for Reducing Vessel Strike on Cetaceans and other Marine Megafauna was published in December 2017, available at: <a href="http://www.environment.gov.au/marine/publications/national-strategy-reducing-vessel-strike-cetaceans-marine-megafauna">www.environment.gov.au/marine/publications/national-strategy-reducing-vessel-strike-cetaceans-marine-megafauna</a> . Implementation of the strategy is considered a foundational activity to manage the Reef.
EBA6 (b)	Implement commitments for best-practice commercial vessel operation including those aimed at: (b) reducing interference with species behaviour	GBRMPA	-	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements, policy development, the marine parks permission system, the Joint Field Management Program's operations and the Great Barrier Reef Marine Park Authority's education and stewardship programs (i.e. Reef Guardians, tourism engagement).
EBA6 (c)	Implement commitments for best-practice commercial vessel operation including those aimed at: (c) undertaking further research and investigate appropriate measures to reduce cumulative impacts from shipping.	DoEE	DES, CSIRO, AIMS, CQU, UQ, RRRRC, GU, GBRMPA	Ongoing - underway	No change. Implementation is ongoing.
EBA7	Consider development of a new vessel class which ensures bulk goods carriers travelling in the World Heritage Area meet stringent safety standards	DTMR	DoEE, Industry	Updated	Updated by a new action to institute a vessel monitoring system (see MTR BA3).
EBA8	Fully vet 100 per cent of bulk carriers traversing the Great Barrier Reef to an appropriate standard by an independent industry endorsed ship-vetting provider.	DTMR	Industry	Updated	Updated by a new action to institute a vessel monitoring system (see MTR BA3).
EBA9	Encourage industry adoption of vessel assessment activities and approval processes that incorporate key crew competency evaluations to help ensure safe operations and compliance with regional and port requirements.	DTMR	DoEE, Industry	Updated	Updated by a new action to institute a vessel monitoring system (see MTR BA3).
EBA10	Support the North-east Shipping Management Group on environment protection measures, preparedness and response protective measures, management of major anchorages, and stakeholder engagement.	AMSA	DoEE, GBRMPA	Foundational activity	This action is considered an underpinning foundational activity to manage the Reef.

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
EBA11	Continue to refine and improve guidance and procedural requirements for avoiding, mitigating and offsetting impacts to the Reef from industry activities using standardised policies, procedures and guidelines.	GBRMPA	DoEE, QG	Updated	Updated by a new action to implement a Net Benefit Policy and Offsets Policy (see MTR EHA1 and MTR EBA8).
EBA12	Adopt a fisheries resource allocation policy which maximises the values of a sustainable fisheries catch.	DAF	-	Updated	Updated by a new action to implement the Queensland Sustainable Fisheries Strategy (see MTR BA2).
EBA13	Support the uptake of sustainable practices by Reef dependent and Reef associated industries to limit impacts on the Reef's outstanding universal value.	GBRMPA	QG, AG	Foundational activity	The Marine Parks Zoning Plans provide for a range of ecologically sustainable recreational, commercial and research opportunities and for the continuation of traditional activities.
EBA14	Implement the Queensland Ecotourism Plan: 2013-2020 in a manner that builds upon consistent and effective management of tourism in protected areas.	DES	GBRMPA, Industry	Updated	Updated to reference new years of Queensland Ecotourism Plan (see MTR EBA8).
EBA15	Recognise tourism-related fishing, particularly charter fishing, as a distinct fishing activity through the development of an action plan which: . identifies fisheries resources with tourism-related potential at a detailed regional level . develops mechanisms to enable charter fishing to operate on a sustainable basis.	DAF	-	Updated	Updated with a new action to finalise and implement a Charter Fishing Action Plan (see MTR EBA6).
EBA16	Continue to engage in and support the Gladstone Healthy Harbour Partnership, Mackay Whitsunday Healthy Rivers to Reef Partnership and Fitzroy Partnership for River Health.	DES	AG, LG	Updated	Updated by an action to Implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1). This is also captured under the new RIMReP action MTR GA4.
EBA17	Identify, test and use economic indicators as a component of the Integrated Monitoring and Reporting Program.	GBRMPA	-	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).
EBA18	Identify, test and, if appropriate, use indicators of Reef-dependent industry viability and its relationship with Reef health as part of the Integrated Monitoring and Reporting Program.	GBRMPA	-	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).

### Ecosystem health

EHA1	Acknowledge Traditional Owners in new and existing policy and plans.	GBRMPA	DATSIP, DES, DoEE, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
EHA2	Incorporate and prioritise Traditional Owner's planning into existing and future ecosystem policy and programs.	GBRMPA	DATSIP, DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
EHA3	Support Traditional Owner stewardship activities that contribute to Reef health and resilience, including removing and, where possible, identifying the sources of marine debris.	GBRMPA	DES, LG, Industry, DoEE	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
EHA4	Develop further agreements with Traditional Owners addressing management of ecosystems within their traditional estates	GBRMPA	DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
EHA5	Develop, implement and coordinate a protocol and knowledge management system for recording, storing, protecting, and where appropriate, sharing of knowledge, innovations and practices; conserving and cultural use of biocultural diversity; and use in decision making.	GBRMPA	DATSIP, DES, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
EHA6	Further develop regionally relevant standards for ecosystem health (desired state, critical thresholds and health indicators) that inform and support the Integrated Monitoring and Reporting Program.	GBRMPA	QG, AIMS, NRMs, LG	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
EHA7	Prioritise functional ecosystems critical to Reef health in each region for their protection, restoration and management.	GBRMPA	DoEE, QG, LG	Foundational activity	This action is considered an underpinning foundational activity undertaken by the Great Barrier Reef Marine Park Authority to manage the Reef. It is considered in legislation, planning arrangements and policy development.
EHA8	Develop a net benefit policy to restore ecosystem health, improve the condition of values and manage financial contributions to that recovery.	GBRMPA	DoEE, QG, LGAQ, NRMs, Industry	Updated	A draft Net Benefit Policy is being considered for approval by the Australian and Queensland governments. Updated action MTR EHA1 refers to finalising the policy and developing pathways for implementation.
EHA9	Maintain and work to add to the island and coastal protected area estate and continue to provide funding for protected area management in the Great Barrier Reef coastal zone.	DES	-	Foundational activity	This action is considered an underpinning foundational activity to manage the Reef. This action is covered under the Joint Field Management Program.
EHA10	Improve connectivity and resilience through protection, restoration and management of Reef priority coastal ecosystems including islands through innovative and cost-effective measures.	DES	DoEE, LG, GBRMPA, stewardship programs, NRMs, Industry	Updated	Updated with two new actions in the revised Plan (see MTR EHA6 and MTR EHA9).
EHA11	Maintain the Great Barrier Reef Marine Park and Great Barrier Reef Coast Marine Park Zoning Plans and enhance compliance.	GBRMPA	QG	Updated	Updated with two new actions in the revised Plan (see MTR EHA12 and MTR BA2).
EHA12	Reduce crown-of-thorns starfish outbreaks by continuing to improve water quality and undertaking a targeted control program as needed. Improve integration and effectiveness of crown-of-thorns starfish research and management.	GBRMPA	DoEE, QG, AMPTO	Updated	Updated with a new action to implement an integrated crown-of-thorns starfish management framework (see MTREHA2).
EHA13	Identify and prioritise key sites of high ecological value and implement recovery programs (Reef Recovery Plans).	GBRMPA	QG, LG	Updated	Updated with a new action to investigate, deliver and support active localised restoration activities (see MTR EHA3).
EHA14	Implement ecosystem health initiatives through the Reef Trust Investment Strategy.	DoEE	QG, Industry, LG	Foundational activity	The Australian Government's Reef Trust is a foundational program that underpins the implementation of the Reef 2050 Plan. The Reef Trust provides targeted investment focused on improving water quality, restoring coastal ecosystem health and enhancing species protection in the Great Barrier Reef region. Further information about the Reef Trust is available at: <a href="http://www.environment.gov.au/marine/gbr/reef-trust">http://www.environment.gov.au/marine/gbr/reef-trust</a> .
EHA15	Improve mapping, modelling and monitoring of ecosystems important for the protection of the Reef to inform planning, assessment and decision making.	GBRMPA	AIMS, QG, NRMs, LGAQ	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).
EHA16	Address key knowledge gaps identified in the Great Barrier Reef Outlook Report 2014 through the National Environmental Science program.	DoEE	QG	Foundational activity	The National Environmental Science Program is a long-term commitment by the Australian Government to environment and climate research. NESP projects deliver collaborative, practical and applied research to inform decision making and on-ground action. The Tropical Water Quality Hub supports research to support the management of the Great Barrier Reef and other coastal tropical waters. More information about NESP is available at: <a href="https://www.environment.gov.au/science/nesp">https://www.environment.gov.au/science/nesp</a> . This program is considered foundational in the implementation of the Reef 2050 Plan.
EHA17	Finalise classification of marine ecosystems within the Great Barrier Reef.	GBRMPA	QG	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
EHA18	Avoid, mitigate or offset impacts on marine and coastal ecosystems to achieve a net benefit for Reef resilience and ecosystem health.	GBRMPA	QG, Industry	Principle	This action is considered a principle that decision makers will have regard to when making decisions about managing and protecting the Reef.
EHA19	Develop guidelines for assessing cumulative impacts (including climate change pressures) on Matters of National Environmental Significance including ecosystem and heritage values in the Great Barrier Reef World Heritage Area.	GBRMPA	QG, DoEE, LGAQ, Industry	Updated	A draft Cumulative Impact Policy is being considered for approval by the Australian and Queensland governments. Updated action MTR EHA1 refers to finalising the policy and developing pathways for implementation.
EHA20	Strengthen the Queensland Government's vegetation management legislation to protect remnant and high value regrowth native vegetation, including in riparian zones.	DNRME	QG	Complete	Action is complete. Strengthened Vegetation Management Act passed by Queensland Parliament on 3 May 2018 and available at <a href="https://www.dnrme.qld.gov.au/land-water/initiatives/vegetation-management-laws">https://www.dnrme.qld.gov.au/land-water/initiatives/vegetation-management-laws</a> .
EHA21	Protect greenfield sites by restricting significant new port development within and adjoining the World Heritage Area to within existing port limits fixed in regulation under the Transport Infrastructure Act 1994 (Qld).	DSDMIP	QG	Complete	Action is complete. The Sustainable Ports Legislation was passed by the Queensland Parliament on 12 November 2015 putting into effect the Government's key port-related commitments in the Reef 2050 Plan. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
EHA22 (a)	Protect the Fitzroy Delta including North Curtis Island and Keppel Bay through: (a) extension and strengthened conservation zoning in the Great Barrier Reef Coast Marine Park	DES	QG	Ongoing - underway	No change. Implementation is ongoing.
EHA22 (b)	Protect the Fitzroy Delta including North Curtis Island and Keppel Bay through: (b) extension of the existing Fish Habitat area	DES	QG	Complete	This part of the action is complete. The Fitzroy River declared Fish Habitat Area was extended on 30 September 2016. The extension added approx. 48,500 ha to include Balaclava Island and other areas within the Fitzroy Delta.
EHA22 (c)	Protect the Fitzroy Delta including North Curtis Island and Keppel Bay through: (c) establishment of a new net-free zone under fisheries legislation	DES	QG	Complete	This part of the action is complete. New net free fishing zones were implemented on 1 November 2015 and are available at <a href="https://www.business.qld.gov.au/industries/farms-fishing-forestry/fisheries/net-free-zones">https://www.business.qld.gov.au/industries/farms-fishing-forestry/fisheries/net-free-zones</a> .
EHA22 (d)	Protect the Fitzroy Delta including North Curtis Island and Keppel Bay through: (d) additional protections in associated inter-tidal and terrestrial areas.	DES	QG	Ongoing - underway	No change. Implementation is ongoing.
EHA23	Implement coastal planning laws based on the best available science, which take into account expected sea level rise, protect ecologically significant areas such as wetlands, prohibit new development in high-hazard greenfield areas and protect the Great Barrier Reef World Heritage Area.	DSDMIP	QG	Complete	Action complete. The State Planning Policy 2017 under the Queensland Planning Act 2016 has been released. This policy includes State interest policies and assessment benchmarks for coastal environment, biodiversity, water quality and natural hazards. It is available at <a href="https://planning.dsdmip.qld.gov.au/planning/better-planning/state-planning/state-planning-policy-spp">https://planning.dsdmip.qld.gov.au/planning/better-planning/state-planning/state-planning-policy-spp</a> .
EHA24	Work with local councils to build their capacity to effectively implement coastal planning laws and policies to protect the Reef.	DSDMIP	GBRMPA	Complete	Workshops were held across Queensland to help local governments transition to the new planning framework, including new coastal planning and water quality policies. The Queensland Government has also published guidance materials and explanatory videos to provide further assistance.
EHA25	Ensure Great Barrier Reef ports planning incorporates evidence-based measures to support protection, restoration and management of coastal ecosystems that contribute to Reef health and resilience.	DSDMIP	Industry, DoEE, GBRMPA	Updated	Updated by a new action on master planning for priority ports in the Great Barrier Reef (see MTR EBA9).
EHA26	Maintain and improve response plans and adequate response capacity for shipping and other incidents.	GBRMPA	AMSA, QG, Industry	Updated	This action is considered an underpinning foundational activity undertaken to manage the Reef. The Joint Field Management Program is responsible for responding to other incidents within the marine parks and island protected areas. Enhancements in this response system are now covered under MTR EHA14.
EHA27	Implement on-ground activities to reduce the volume of debris generated in or entering the World Heritage Area, and undertake education and awareness raising activities to minimise the source and occurrence of marine debris.	DoEE	DES, DTMR, Traditional Owners, GBRMPA, Industry	Ongoing - underway	No change. Implementation is ongoing.
EHA28	Support best practice and community stewardship activities that contribute to Reef health and resilience.	GBRMPA	DoEE, QG	Foundational activity	This action is considered an underpinning foundational activity to manage the Reef and is a core component of the Great Barrier Reef Marine Park Authority's education and stewardship programs (i.e. Reef Guardians, tourism engagement).
EHA29	Establish condition and resilience indicators for coral reefs, seagrass, islands, estuaries, shoals and inter-reefal shelf habitats.	GBRMPA	DoEE, QG	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).
EHA30	Incorporate condition and resilience indicators for ecosystem health in the Integrated Monitoring and Reporting Program.	GBRMPA	DoEE, QG	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).
EHA31	Communicate the findings of the Great Barrier Reef Region Strategic Assessment coastal ecosystem assessment and encourage their use in determining priorities for protecting and restoring coastal ecosystems and in taking actions likely to improve Great Barrier Reef health and resilience.	GBRMPA	QG	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
EHA32	Enhance compliance with zoning plans, fish habitat area provisions and other regulations through improved enforcement, and adoption of new technologies such as vessel tracking systems on vessels in the Great Barrier Reef Marine Park and the Great Barrier Reef Coast Marine Park.	GBRMPA	QG	Updated	Enforcement of the Great Barrier Reef Marine Park Zoning Plan and Great Barrier Reef Coast Marine Park Zoning Plan is a key component of the Joint Field Management Program. Improvement of compliance in the marine parks and on island protected areas is now covered by MTR EHA12 and implementation of vessel tracking is now covered by MTR BA3.
 Governance					
GA1	Convene an intergovernmental operational committee comprising senior officials from the Australian, including the Great Barrier Reef Marine Park Authority, and Queensland governments to oversee implementation of the Plan, facilitate coordination of Reef related activities and report annually to the Great Barrier Reef Ministerial Forum.	DoEE	GBRMPA, QG	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
GA2	Convene a multi-sectoral Reef advisory committee to facilitate engagement with industry and the broader community regarding the implementation and review of the Plan.	DES	GBRMPA	Complete	Action is complete. The Reef 2050 Advisory Committee formed in 2015 and meets at least three times per year to advise on implementation of the plan. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> . More information about the Reef 2050 Advisory Committee is available at: <a href="http://www.environment.gov.au/marine/gbr/reef2050/advisory-bodies">http://www.environment.gov.au/marine/gbr/reef2050/advisory-bodies</a> .
GA3	Convene an independent expert panel with an independent chair to advise the Intergovernmental Operational Committee regarding the implementation and review of the Plan and associated Integrated Monitoring and Reporting Program.	DoEE	GBRMPA, QG	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> . More information about the Reef 2050 Plan Independent Expert Panel is available at: <a href="http://www.environment.gov.au/marine/gbr/reef2050/advisory-bodies">http://www.environment.gov.au/marine/gbr/reef2050/advisory-bodies</a> .
GA4	Convene a network to review, coordinate and align monitoring and reporting activities to inform the development and operation of an Integrated Monitoring and Reporting Program.	GBRMPA	-	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
GA5	Adopt an approach of continuous improvement as part of adaptive management of the World Heritage Area	GBRMPA	DoEE, QG, Partners	Principle	This action is considered a principle that decision makers will have regard to when making decisions about managing and protecting the Reef.
GA6	As a priority the Queensland Government will consult with an advisory taskforce on: . the best possible approach to achieving the 2025 targets for pollution run-off into the Great Barrier Reef . the effectiveness and cost of robust regulations, a market-based trading mechanism, or a combination of both, in reducing pollution run-off — to report within a year of commencement.	DES	-	Complete	Action is complete. The final report from the Great Barrier Reef Water Science Taskforce was delivered in August 2016. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
GA7 (a)	When reviewing relevant agreements, policies, plans, strategies and programs ensure they support the Plan's outcomes and targets. For example: (a) fund and support ongoing joint field management activities	GBRMPA	QG, DoEE Industry, Regional Bodies, LG GBRMPA	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
GA7 (b)	When reviewing relevant agreements, policies, plans, strategies and programs ensure they support the Plan's outcomes and targets. For example: (b) create a Great Barrier Reef Plan Register with all management plans recorded to simplifying understanding of management arrangements	GBRMPA	DoEE, QG	Complete	Action was completed in September 2017. The register is available at: <a href="http://www.gbrmpa.gov.au/managing-the-reef/how-the-reefs-managed/register-of-management-arrangements">http://www.gbrmpa.gov.au/managing-the-reef/how-the-reefs-managed/register-of-management-arrangements</a> .
GA7 (c)	When reviewing relevant agreements, policies, plans, strategies and programs ensure they support the Plan's outcomes and targets. For example: (c) develop a policy guideline for decision makers on how to take into account the vision, outcomes, objectives and targets in this Plan in relevant decision making	DoEE	QG	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> . The Reef 2050 Policy Guideline for Decision Makers is available at: <a href="http://www.environment.gov.au/marine/gbr/publications/policy-guideline-decision-makers">http://www.environment.gov.au/marine/gbr/publications/policy-guideline-decision-makers</a> .

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
GA7 (d)	When reviewing relevant agreements, policies, plans, strategies and programs ensure they support the Plan's outcomes and targets. For example: (d) support cross-cultural training in relation to Traditional Owner culture and perspectives.	GBRMPA	DATSIP, DES, Traditional Owners, PMC	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
GA8	Update the Great Barrier Reef Intergovernmental Agreement 2009 to explicitly include Outstanding Universal Value.	DoEE	QG, GBRMPA	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> . The updated 2015 Intergovernmental Agreement reflects the shared vision for the future outlined in the Reef 2050 Plan. The GBR Intergovernmental Agreement is available at: <a href="https://www.environment.gov.au/marine/gbr/protecting-the-reef/intergovernmental-agreement">https://www.environment.gov.au/marine/gbr/protecting-the-reef/intergovernmental-agreement</a> .
GA9	Adopt the Reef 2050 Long-Term Sustainability Plan as a schedule to the Great Barrier Reef Intergovernmental Agreement 2009.	DoEE	QG	Complete	Action is complete. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
GA10	Work with Traditional Owners, industry, regional bodies, local governments, research institutions, and the community to inform the delivery of local and regional actions.	GBRMPA	QG, DoEE, LG, Industry, NRMs	Principle	This action is considered a principle that decision makers will have regard to when making decisions about managing and protecting the Reef.
GA11	Improve Traditional Owner participation in governance arrangements for protection and management of the Reef.	GBRMPA	QG	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
GA12	Prioritise and develop specific implementation plans and reporting protocols addressing the Plan's targets and actions in consultation with the community.	DoEE	Industry, QG, LG, NRMs	Ongoing - underway	No change. Implementation is ongoing.
GA13	Develop an investment baseline and associated framework strategy to inform the future delivery of actions under the Plan.	DoEE	QG, Partners, GBRMPA	Complete	Action is complete. The Reef 2050 Investment Baseline provides an overview of the level of investment committed to Reef activities based on an assessment of funding in 2014-15. The Baseline is available at: <a href="http://environment.gov.au/marine/gbr/publications/reef-2050-baseline-investment">http://environment.gov.au/marine/gbr/publications/reef-2050-baseline-investment</a> .
GA14	Develop, implement and maintain mechanisms and policies to enhance investment in delivering on-ground activities based on good science and evidence that support the Plan's outcomes and targets, and which contribute to a net benefit policy to ensure the Outstanding Universal Value and integrity of the Reef is maintained or enhanced.	DoEE	QG, GBRMPA, Partners	Principle	The Investment Framework was completed in December 2016. It establishes current investments, identifies investment priorities for the future and sets out strategies for boosting investment and diversifying its sources. The Framework will be used to guide future investment in Reef 2050 actions, directing investment towards the highest priorities. The Investment Framework is available at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-investment-framework">https://www.environment.gov.au/marine/gbr/publications/reef-2050-investment-framework</a> .
GA15	Develop, implement, and operate an Integrated Monitoring and Reporting Program to facilitate adaptive management for the Reef.	GBRMPA	QG, DoEE, Partners	Updated	Updated with a new action to develop and implement an Integrated Monitoring and Reporting Program (see MTR GA4).
GA16	Develop and implement a standard framework to conduct evidence-based risk assessment.	GBRMPA	QG, AG	Complete	Action is complete. All agencies use the International Organisation for Standardisation risk assessment principles and guidelines.
 <b>Heritage</b>					
HA1	Build capacity for the involvement of Traditional Owners and community members in cooperative management, planning and impact assessment.	GBRMPA	Traditional Owners, DoEE, QG, NRMs, Industry	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
HA2	Work with and support Traditional Owners to collect, store and manage their own cultural heritage information.	GBRMPA	Traditional Owners, DoEE, QG	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
HA3	Improve engagement processes for assessment of cultural heritage values to inform decision making.	GBRMPA	Traditional Owners, DoEE, QG	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
HA4	Update the Great Barrier Reef Marine Park Heritage Strategy 2005 to more comprehensively address Indigenous and non-Indigenous heritage.	GBRMPA	Traditional Owners	Complete	Action is complete. The Commonwealth Heritage Listed Places and Properties Heritage Strategy 2018-2021 and accompanying suite of documents was approved by the Australian Heritage Council and Department of the Environment and Energy in January 2018.
HA5	Develop impact assessment guidelines for cultural heritage values in the Great Barrier Reef region.	GBRMPA	DoEE, QG, LGAQ	Complete	Action is complete. Guidelines can be found at: <a href="http://www.gbrmpa.gov.au/zoning-permits-and-plans/permits">http://www.gbrmpa.gov.au/zoning-permits-and-plans/permits</a> .
HA6	Facilitate robust consideration of heritage values in planning processes, including development and associated activities.	DES	DoEE, GBRMPA, Ports Australia, NRMs, Traditional Owners	Ongoing - underway	No change. Implementation is ongoing. The Australian Government is working with a consortium of Indigenous and research organisations to support increased Traditional Owner involvement in implementing the Reef 2050 Plan and delivery of Traditional Owner aspirations and commitments in the Plan.
HA7	Consolidate Reef heritage data, and identify priorities for protective action.	GBRMPA	QG, AG	Complete	Action is complete. The Commonwealth Heritage Listed Places and Properties Heritage Strategy 2018-2021 and accompanying suite of documents was approved by the Australian Heritage Council and Department of the Environment and Energy in January 2018.
HA8	Complete heritage management plans for Low Isles and North Reef light stations.	GBRMPA	AG	Foundational activity	As managers of the properties on behalf of the Australian Government, the maintenance of the heritage values at these sites is a key responsibility for the Great Barrier Reef Marine Park Authority (Low Isles) and the Australian Maritime Safety Authority (North Reef).
HA9	Update existing conservation management plans for historic shipwrecks—the SS Yongala (1911), Gothenburg (1875), and SS Llewellyn (1919).	DES	GBRMPA	Updated	Updated by a new action to update and complete conservation management plans for key historic shipwrecks (see MTR HA1).
HA10	Complete and implement conservation management plans for key historic shipwrecks—HMS Pandora (1791), HMCS Mermaid (1829) and Foam (1893).	DES	GBRMPA	Updated	Updated by a new action to update and complete conservation management plans for key historic shipwrecks (see MTR HA1).
HA11	Further identify, map, monitor and report on key Reef heritage values and sites, including comprehensive maritime surveys in priority sections of the Reef.	DES	GBRMPA, AG	Ongoing - underway	No change. Implementation is ongoing.
<b>Water quality</b>					
WQA1	By 2018, review and update the Reef Water Quality Protection Plan and its targets.	DES	DoEE GBRMPA, Partners	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA2	Continue improvement in water quality from broadscale land use through implementation of Reef Water Quality Protection Plan 2013 actions.	DES	DoEE GBRMPA, Industry, NRMs	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA3	Pending the outcome of the review of regulation and market-based mechanisms to improve water quality, require farmers to be accredited to best management practice guidelines or to operate under an Environmental Risk Management Plan.	DES	-	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA4	Implement innovative management approaches through the Reef Trust for improving water quality.	DoEE	QG, LG	Foundational activity	The Australian Government's Reef Trust is a foundational program that underpins the implementation of the Reef 2050 Plan. The Reef Trust provides targeted investment focused on improving water quality, restoring coastal ecosystem health and enhancing species protection in the Great Barrier Reef region. Further information about the Reef Trust is available at: <a href="http://www.environment.gov.au/marine/gbr/reef-trust">http://www.environment.gov.au/marine/gbr/reef-trust</a> .
WQA5	Increase use of cost-effective measures to improve water quality from broadscale land use, urban, industrial and port activities.	DES	Industry, Service providers, LG	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA6	Establish an agreed performance-based voluntary reporting framework across agriculture, urban, ports and industry to measure management efforts to achieve best management practice and to inform regional report cards.	DES	Industry, LG	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
WQA7	Finalise and implement plans (Water Quality Improvement Plans - Healthy Waters Management Plans) for Reef catchments and key coastal areas, identifying implementation priorities for protection of the Reef.	DoEE	NRMs, QG, GBRMPA, DOEE Industry, LG	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA8	Increase industry participation in regional water quality improvement initiatives and partnerships aimed at managing, monitoring and reporting of water quality. These should build on existing initiatives such as: <ul style="list-style-type: none"> <li>Fitzroy Partnership for River Health</li> <li>Gladstone Healthy Harbour Partnership</li> <li>Mackay Whitsunday Healthy Rivers to Reef Partnership.</li> </ul>	DES	Industry, NRMs, GBRMPA, LG	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA9	Review and update water quality objectives and Great Barrier Reef Marine Park Authority Water Quality Guidelines at Reef-wide and regionally relevant scales based on scientifically verified monitoring and research.	DES	QG, Industry, LG	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA10	Review and set regionally relevant standards for urban and point-source discharges into the World Heritage Area and ensure licensees meet these standards.	DES	Industry, LG	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA11	Increase adoption of leading practice in the management and release of point-source water affecting the Reef.	DES	Industry, LG	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA12	Implement best practice stormwater management (e.g. erosion and sediment control, water sensitive urban design and capture of gross pollutants) for new development in coastal catchments.	DES	LG, Industry	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA13	Build capacity for local government and industry to improve water quality management in urban areas.	DES	DoEE LG, LGAQ, GBRMPA	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1).
WQA14	Restrict capital dredging for the development of new or expansion of existing port facilities to within the regulated port limits of Gladstone, Hay Point/Mackay, Abbot Point, and Townsville.	DSDMIP	-	Complete	Action is complete. The Sustainable Ports Legislation was passed by the Queensland Parliament on 12 November 2015 putting into effect the Government's key port-related commitments in the Reef 2050 Plan. The legislation is available at <a href="http://statedevelopment.qld.gov.au/industry-development/sustainable-ports-development-act-2015.html">http://statedevelopment.qld.gov.au/industry-development/sustainable-ports-development-act-2015.html</a> .
WQA15	Develop and implement a dredging management strategy that includes: <ul style="list-style-type: none"> <li>an examination and, where appropriate, a potential pilot program to evaluate different treatment and re-use options for managing dredge material</li> <li>measures to address dredging related impacts on Reef water quality and ecosystem health</li> <li>a 'code of practice' for port related dredging activities.</li> </ul>	DTMR	Conduct an examination: Ports Australia, AG Measures: GBRMPA, Ports Australia Code of practice: Ports Australia, Industry, QG, GBRMPA, QRC	Complete	Action is complete. An online resource for current information on dredging management in the Great Barrier Reef World Heritage Area is available at: <a href="https://www.tmr.qld.gov.au/business-industry/Transport-sectors/Ports">https://www.tmr.qld.gov.au/business-industry/Transport-sectors/Ports</a> .
WQA16	Develop a state-wide coordinated maintenance dredging strategy which: <ul style="list-style-type: none"> <li>identifies each port's historical dredging volumes and likely future requirements and limits</li> <li>identifies appropriate environmental windows to avoid coral spawning, seagrass recruitment, turtle breeding, and weather events</li> <li>examines opportunities for the beneficial reuse of dredge material or on land disposal from maintenance activities</li> <li>establishes requirements for risk-based monitoring programs.</li> </ul>	DTMR	Industry, DOEE, GBRMPA	Complete	Action is complete. The Maintenance Dredging Strategy for Great Barrier Reef World Heritage Area Ports was released in November 2016 and is available at <a href="https://www.tmr.qld.gov.au/business-industry/Transport-sectors/Ports/Dredging/Maintenance-dredging-strategy">https://www.tmr.qld.gov.au/business-industry/Transport-sectors/Ports/Dredging/Maintenance-dredging-strategy</a> .

Original ID	Original action (2015 Reef 2050 Plan)	Reporting lead agency	Partner agencies	Mid term review - consolidation category	Additional information
WQA17	Understand the port sediment characteristics and risks at the four major ports and how they interact and contribute to broader catchment contributions within the World Heritage Area.	Queensland Ports Association	DES, DTMR, GBRMPA	Ongoing - underway	No change. Implementation is ongoing.
WQA18	In 2015 legislate to ban sea-based disposal of capital dredge material in the Great Barrier Reef Marine Park and in the balance of the Great Barrier Reef World Heritage Area from port related capital dredging material.	DSDMIP	GBRMPA	Complete	Action is complete. The Sustainable Ports Legislation was passed by the Queensland Parliament on 12 November 2015 putting into effect the Government's key port-related commitments in the Reef 2050 Plan. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
WQA19	Mandate the beneficial reuse of port related capital dredge spoil, such as land reclamation in port development areas, or disposal on land where it is environmentally safe to do so.	DSDMIP	-	Complete	Action is complete. The Sustainable Ports Legislation was passed by the Queensland Parliament on 12 November 2015 putting into effect the Government's key port-related commitments in the Reef 2050 Plan. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
WQA20	The Queensland Government will require all proponents of new dredging works to demonstrate their project is commercially viable prior to commencement.	DSDMIP	DTMR, OCG, GBRMPA	Ongoing - underway	No change. Implementation is ongoing.
WQA21	The Queensland Government will not support trans-shipping operations that adversely affect the Great Barrier Reef marine park.	DES	DTMR, OCG, GBRMPA	Ongoing - underway	No change. Implementation is ongoing.
WQA22	Support on-land disposal or land reclamation for dredge material at Abbot Point	DSDMIP	-	Complete	Action is complete. EPBC approval was received in December 2015. In addition, the Sustainable Ports Legislation was passed by the Queensland Parliament on 12 November 2015 putting into effect the Government's key port-related commitments in the Reef 2050 Plan. See the 2016 Annual Report at: <a href="https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy">https://www.environment.gov.au/marine/gbr/publications/reef-2050-plan-annual-report-implementation-strategy</a> .
WQA23	Expand 'nested' integrated water quality monitoring and report card programs at major ports and activity centres (e.g. Gladstone), in priority catchments (e.g. Mackay Whitsundays) and Reef-wide, to guide local adaptive management frameworks and actions.	DES	Industry, LG, NRMs, GBRMPA	Updated	Updated by an action to implement the Reef 2050 Water Quality Improvement Plan (see MTR WQA1). This is also captured under the new RIMReP action MTR GA4.
WQA24	Identify and action opportunities for Traditional Owners, industry and community engagement in on-ground water quality improvement and monitoring programs.	GBRMPA	NRMs, Traditional Owners, LG	Principle	This action is considered a principle that decision makers will have regard to when making decisions about managing and protecting the Reef.

#### AGENCY KEY

Great Barrier Reef Marine Park Authority	GBRMPA	James Cook University	JCU
Australian Government Department of the Environment and Energy	DoEE	Local Government	LG
Queensland Government Department of Agriculture and Fisheries	DAF	Local Government Association of Queensland	LGAQ
Queensland Government Department of Environment and Science	DES	Natural resource management organisations	NRMs
Queensland Government Department of State Development, Manufacturing, Infrastructure and Planning	DSDMIP	Queensland Government	QG
Queensland Government Department of Innovation, Tourism Industry Development and the Commonwealth Games	DITID	Queensland Resources Council	QRC
Australian Government Department of the Prime Minister and Cabinet	PMC	Queensland Government Office of the Coordinator-General	OCG
Queensland Government Department of Transport and Main Roads	DTMR	Queensland Government Department of Aboriginal and Torres Strait Islander Partnerships	DATSIP
Australian Maritime Safety Authority	AMSA	Commonwealth Scientific and Industrial Research Organisation	CSIRO
Queensland Government Department of Natural Resources, Mines and Energy	DNRME	Central Queensland University	CQU
Australian Institute of Marine Science	AIMS	The University of Queensland	UQ
Association of Marine Park Tourism Operators	AMPTO	Reef and Rainforest Research Centre	RRRC
Great Barrier Reef Foundation	GBRF	Griffith University	GU