

Biodiversity Strategy Delivery Plan

An aggregated list of the work being done by members of the Biodiversity Delivery Group and Manx Nature Conservation Forum.

1st April 2022 - 30th March 2023

End of year report as at 31st March 2023

Issued by: DEFA Ecosystem Policy Team

Key to Rating:
Red: Not started;
Amber: In progress;
Green: Ongoing/ on track;
Blue: Complete.

Objective 1: Delivering an effective strategy: By 2015 the Government and partners will have developed and adopted an effective biodiversity strategy and will have commenced implementation in 2016.

Action 1: Complete and approve the Draft Strategy in 2015, followed by a Delivery Plan (with tasks and resourcing options) agreed within 6 months of the adoption of the Strategy by Tynwald.

Task	What	Why	When	Who	Status	Rating of Task
1A	Delivery Plan showing actions to be delivered April 2022 to March 2023 to be developed by the members of the Biodiversity Delivery Group.	To identify and monitor the delivery of tasks in the current financial year.	Delivery Plan to be finalised by end June 2022.	Biodiversity Delivery Group.	In progress. Plan finalised in July 2022 and delivery ongoing throughout year.	Amber

Action 2: In 2015 establish a Biodiversity Oversight Group tasked with driving forward and monitoring implementation of the Biodiversity Strategy and Delivery Plan.

	Establishment of Biodiversity Oversight Group (to be known as Biodiversity Delivery Group)	To enable the setting up of an appropriate Group to drive the work of the Strategy.	By end December 2020.	DEFA: Ecosystem Policy Team	Group established December 2020. Meetings held four times a year. In 2022/23 these were in July & Oct 2022, Jan & March 2023.	Green
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Action 3: Regularly review and revise both Strategy and Delivery Plan to take forward the work up to and beyond 2025.

3A	Revise and update the Strategy after the UN Biodiversity Conference of Parties (COP 15). First part of the conference held 11th to 15th October 2021 with the second part delayed until around autumn 2022.	To make sure the Strategy takes into account new or altered CBD targets and actions for post 2020.	By March 2023.	DEFA: Ecosystem Policy Team and Biodiversity Delivery Group.	In progress. COP 15 conference held Dec 2022. The resulting Kunming-Montreal Global Biodiversity Agreement is to be considered in relation to current Biodiversity Strategy .	Amber
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Objective 2: Government leading by example: By 2025 Government will lead by ensuring biodiversity conservation is being considered in all relevant areas of policy and decision-making, actively encouraging good practice and adopting all appropriate incentives to support biodiversity.

Our Island Plan action: In January 2022 the Government launched the 'Our Island Plan: Building a Secure, Vibrant and Sustainable Future for Our Island' in which there is an action: '**Environmental considerations are embedded across government decisions and infrastructure supporting a natural and built environment which respects our rich culture, biodiversity and sense of place**'.

How this is to be delivered is linked to an action in the DEFA Plan which states: '**Develop a plan to engage across government on environmental matters, with Government leading, by ensuring biodiversity conservation is being considered in all relevant areas of policy and decision making, actively encouraging good practice and adopting all appropriate incentives to support biodiversity**'. **Delivery date: July 2025.**

Action 4: From 2015 **Government will lead the Manx community in implementing** the Manx Biodiversity Strategy and Delivery Plan.

4A	With reference to Our Island Plan action: DEFA Directorates to meet and agree the topics, approach, and engagement methods that are appropriate.	To develop a plan to engage across Government on environmental matters.	By end March 2023.	DEFA: Environment Directorate & Agriculture and Lands Directorate.	Started. DEFA meeting held with CEO. Key outcomes identified.
4B	Continue to meet the Manx Nature Conservation Forum (MNCF). Encourage further reporting of the work they are undertaking towards Biodiversity Strategy delivery.	To encourage partnership working to more effectively deliver Strategy actions. To provide advice and financial support where possible to partners undertaking work. To provide recognition to partners undertaking work. To track work being undertaken so that it can be reported in progress reports.	Ongoing. MNCF meetings held every 3 or 4 months. Liaison meetings with individual partners to be organised when required, but aim for not less than quarterly.	DEFA: Ecosystem Policy Team	Ongoing. Summer meeting cancelled. Meetings held in September and December 2022 and included presentations on Social Environmental Governance and the Agri-environment Scheme. March 2023 meeting focussed on Biodiversity Net Gain. Forum members were encouraged to report work they are doing towards the Strategy delivery. Manx Bat Group responded.
4C	Continue the Environmental Educators Network meetings.	To contribute to the joint delivery of biodiversity education work carried out by a range of organisations.	When meetings are held until end March 2023.	DEFA: Ecosystem Policy Team; MWT	Ongoing. Meeting held on 30th November 2022.

Action 5: By 2017 seek a **more robust "duty" for Government to conserve biodiversity** in the Wildlife Act. This would mean public bodies need to further biodiversity conservation wherever possible, ensuring this is measured and accounted for.

5A	The Climate Change Act creates a legal framework for action in the Isle of Man. Part of the framework are the climate change duties for public bodies which are designed to provide a common goal and approach across the public sector in relation to climate change. The duties cover four main areas and including: Protecting and enhancing biodiversity, ecosystems and ecosystem services. BDG to consider whether they are content that with the Wildlife Act duty and the Climate Change duty, the action for a more robust duty has been achieved.		By end March 2023.	DEFA: Ecosystem Policy Team & Biodiversity Delivery Group members.	In progress. Paper to be drafted comparing duties in nearby jurisdictions.
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Action 6: By 2020 **review all of government's relevant legislation,** regulations, schemes, incentives and codes of practice for consistency with biodiversity conservation, especially international obligations.

6A	Manx Bird Life to provide their suggested changes to the Birdwatcher's and Photographer's Code of Conduct to DEFA for consideration.	Update to reflect the growing pressures on rare/scarce, breeding, feeding and roosting birds.	By end August 2022.	Manx Bird Life	In progress. Documents complete but need to be provided to DEFA.
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6B	Manx Bird Life to provide their recommendations for a review of Wildlife Act Schedule 1 and Schedule 2 bird species to DEFA for consideration.	Update in line with Birds of Conservation Concern 2021.	By end August 2022.	Manx Bird Life	In progress. Document complete but needs to be provided to DEFA.	
6C	Manx Wildlife Trust to provide their suggested additions to Wildlife Act Schedule 8 to DEFA for consideration.	To ensure legislation remains fit for purpose and up to date.	By end April 2022.	Manx Wildlife Trust	Complete. Submitted DEFA. Also presented to Manx Nature Conservation Forum in March 2023.	
6D	DEFA Fisheries have a programme of ongoing review.	Ensure consistency with conservation of fisheries considering international obligations.	Ongoing	DEFA Fisheries Team	Ongoing - permanent	
6E	Ayres NNR - Proposals for changes to the Ayres NNR Byelaws 2005	Clarify the existing and close loop holes.	Ongoing	DEFA - Ecosystem Policy Team	In progress.	

Action 7: By 2022 **embed proper consideration of biodiversity and ecosystem services** in all relevant policy and decision-making to facilitate Government's commitment to biodiversity.

7A	Manx Utilities commit, via their Business Plan and Environment Policy to establish an Environmental Management System (EMS). Consideration of global and local impacts of our operations on biodiversity will form part of that. The purpose of an EMS is to embed consideration of environmental management and improvement into decision making and operational practice.	To encourage sustainable operation practices and embed the requirements of the Climate Change Act.	Ongoing process, anticipated 2024/5.	Manx Utilities	Ongoing/ on track Many practices already established but formalising them under an EMS still under development, which is a long term project. Establishment of an Environment Teams Channel to share news and raise awareness (e.g. advice shared about spotting / handling invasive species and about nesting birds regs).	
7B	As part of delivery of Our Island Plan action: DEFA to request that all Government policy papers have a sustainability box so that biodiversity is taken into account in policy decisions.	To make it a requirement for Government to take account of biodiversity conservation in new policy.	By end March 2023.	DEFA	Started. Procedure identified.	
7C	Continue to advise other Departments when required regarding planned works and review all applications.	To advise Government on how best to conserve wildlife.	Ongoing.	DEFA	Ongoing.	
7D	MWT to continue to review all planning applications for negative biodiversity implications.		Ongoing, standing commitment.	Manx Wildlife Trust	In progress or on hold depending on staff time capacity.	

7E	MWT, via their consultancy work, to make positive recommendations to achieve Not Net Loss of Biodiversity and advocate for Biodiversity Net Gain from any development.		Ongoing, standing commitment.	Manx Wildlife Trust	In progress.	
7F	The tenanting out of 125 acres of MNH land at Cregneash is to take into account conservation. Conservation performance indicators have been agreed and reflected in the prescriptive tenancy. Conservation performance will be regularly reviewed between MNH and the tenant.	To ensure that the habitats and species found at Cregneash are conserved appropriately.		Manx National Heritage	In progress. Tenancy nearly agreed. Biodiversity Statement to be prepared.	
7G	DEFA Fisheries take account of biodiversity commitment when undertaking policy and decision making.	Core business principles		DEFA Fisheries Team	Ongoing, permanent.	
Action 8: From 2018, where government offers incentives it will need to show that the activities it supports are not detrimental to biodiversity and wherever possible it will provide positive incentives to conserve it.						
8A	As part of delivery of Our Island Plan action: Ask each Department to nominate someone to review the schemes that they have in their Department and ask them to report whether biodiversity is taken into account.	To determine whether there are schemes that are detrimental to biodiversity.	By end March 2023.	DEFA	In progress. Work planned to engage with other departments as part of Island Plan action see task 4A.	
8B	As part of delivery of Our Island Plan action: Produce a biodiversity code/checklist for Departments to use.	To assist Government to easily consider possible biodiversity impact of their work.	By end March 2023.	DEFA	In progress. Meeting held. Draft list produced.	
8C	Provide initial input to the refinement of Agri-environment Scheme options for the benefit of wild birds by meeting with AES Delivery Partner and DEFA Agriculture and Lands. Present priorities by end March 2022.	Ensure new strategy delivers on the promise of 'targeted environmental enhancements', particularly for priority species and key habitats.	By end March 2023.	Manx Bird Life	In progress. Discussion to take place with AES Delivery Partner.	
8D	DEFA Fisheries take account of biodiversity commitment when undertaking policy and decision making.	Core business principles	Ongoing	DEFA Fisheries Directorate	Ongoing, permanent.	
See also tasks under Action 6.						
Objective 3: Biodiversity knowledge: By 2025 everyone will have access to reliable, up-to-date and comprehensive biodiversity data which is essential to support Government policies and decisions of businesses and private land and sea users.						
Action 9: By 2016 develop a biological recording system which is maintained, evolved and accessible to users, working with partners to achieve this.						
9A	Maintain a database of bat records for the Isle of Man	To ensure up to date and accessible bat records.	Ongoing.	Manx Bat Group Records Officer	On going.	

9B	Continue to work with Manx Biological Recording Partnership to maintain and add records to Recorder and National Biodiversity Network (NBN Isle of Man).	To ensure good quality records are easily accessible to the public, developers and researchers. To enable the biodiversity to be taken into account in decision making.	Ongoing	DEFA, Manx Wildlife Trust and Manx National Heritage	Ongoing. New Biological Records Manager appointed and due to start on 7th March 2023.	
9C	DEFA to issue a Quick Quote tender to identify a contractor to continue Biological Recording Manager work which includes the operation of the Manx Biological Recording Partnership (MBRP).	The current contract ends May 2022 and a period of overlap to train a successor is needed.	By end July 2022	DEFA Ecosystem Policy Team and key MBRP partners.	Contract tender granted. Contractor now recruiting for a Recorder Officer to work 1 day/week.	
9D	MWT to co-ordinate all Seasearch activity in Manx waters and co-ordinate the Seasearch Observers course.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
9E	MWT to facilitate participation in citizen science for biological recording via bioblitzes and training courses in biological recording.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
9F	MWT to continue to run and manage the Calf of Man Bird Observatory on behalf of Manx National Heritage which is the most significant and long term biological recording programme on the Island.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing. MWT contract with MNH secured.	
9G	MWT to add all New Flora of the Isle of Man records to be entered into Recorder.		By end March 2023.	Manx Wildlife Trust	Complete. Flora records have been added to Recorder.	
9H	All Calf of Man records since 1959 to be added to Recorder by two volunteers. The records will then be provided to the National Biodiversity Network where they will be publicly available.		By end March 2023.	Manx National Heritage	In progress.	
9I	Moth records to be added to Recorder.		By end March 2023.	Manx National Heritage	In progress.	
9J	Calf of Man Bird Observatory - The bird ringing and bird ringing re-finds data is to be digitised.		By end March 2023.	Manx National Heritage	In progress.	
9K	As part of the drafting of the Anthill Pasture Biodiversity Action Plan, record and plot locations of all known Yellow Meadow Anthills, including on the Calf.		By end June 2022.	Manx Wildlife Trust	In progress.	
9L	Research and record the decline and extinction of the Yellowhammer for wider public awareness.		By autumn 2022 (for entry in Peregrine Journal).	Manx Wildlife Trust, Manx Ornithological Society and Manx Bird Life.	Complete	

9M	Collaborate on devising data model (commercial and non-commercial) for sharing and use of data. Collaborate on devising data model for centralised biological recording, ensuring safeguards for sensitive data. Determining the Terms of Reference for that work by end March 2022.	Promote cross-sharing and learning between the conservation bodies and DEFA, and that each special interest group has access to the data it needs for analysis and decision-making. Provide a frictionless pathway for delivering appropriate data to NBN Atlas.	By end March 2022.	Manx Bird Life	In progress. Reinforcement of Manx Biological Recording Partnership principles and issues with MWT to be addressed.	
Action 10: Continue to identify, and by 2018 prioritise and improve biodiversity knowledge through research and survey , especially the status and abundance of key species and priority habitats (as part of the development of Biodiversity Action Plans).						
10A	Bat roost monitoring and distribution surveys: Contribute to UK National Bat Monitoring Programme.	To keep track of population trends of key species	comprehensive distribution surveys commenced 2015, roost monitoring started in 2019, continued in 2022.	Manx Bat Group Records Officer	On-going. Work continued in 2022.	
10B	Compile Red List of 9 known species of Manx bat.	To identify which species are of conservation concern.	By end December 2022	Manx Bat Group	In progress. Bats to be included in 'State of Manx Nature' document.	
10C	Survey undertaken of metalliferous sites for rare bryophytes and other key sites surveyed for their bryophyte communities. See report by Des Callaghan Bryophyte Surveys Ltd. Paper to be published in the Journal of Bryology on the Population Status and ecology of the globally threatened moss <i>Ditrichum plumbicola</i> on the Isle of Man.	To increase knowledge of priority species/BAP-inform habitat management decisions	By end July 2022.	DEFA: Ecosystem Policy Team.	Complete.	
10D	Contract specialists to undertake surveys within the limitations of the budget. Lichen survey of the Ballaugh Curragh to take place summer 2023 (delayed from 2021).	To increase knowledge of certain areas and/or species groups. Inform habitat management decisions.	By end March 2023.	DEFA: Ecosystem Policy Team.	Complete. Lichen survey completed. Report recieved.	
10E	MWT to publish a Plants of Conservation Concern list.		By end summer 2022.	Manx Wildlife Trust	Complete. Document produced March 2022 and published October 2022.	
10F	MWT to support, through the BAP Leaders Group, the publicaton of Red, Amber and Black (extinct) lists for other taxa as part of a State of Nature project.		State of Nature to be published in 2023.	Manx Wildlife Trust	In progress. Draft expected end April 2023.	

10G	Calf of Man Bird Observatory - Colour ringing of shags to begin. Shags are declining in numbers.		Ongoing.	Manx National Heritage and Manx Wildlife Trust.	Ongoing.	
10H	Seek funding to maintain regular cycle of species censuses, in line with international programmes such as Statutory Conservation Agencies and RSPB Annual Breeding Birds Scheme (SCARABBS covering, for the Isle of Man: Hen Harrier, Chough and Peregrine) and Seabird Monitoring Programme surveys.	To ensure data is up-to-date, identify declines or gains as early as possible, enable comparisons of data and aggregation of knowledge across jurisdictions.	Ongoing.	Manx Bird Life	In progress. Hen Harrier Census underway for 2022. (Chough Census delayed to 2023).	
10J	Seasearch dive identification of new eel grass area in Derbyhaven Bay. Follows identification of eel grass in Bulgham Bay surveyed in November 2021.		By end May 2022	Seasearch, MWT, DEFA Fisheries Team, DEFA Ecosystem Policy Team (Blue Carbon).	Ongoing. Seasearch dives completed in Derbyhaven Bay, to be complemented by drone surveys and side scan sonar surveys (analysis in progress). Surveys of other seagrass beds to be completed 2023-2025. Blue Carbon team working with BCS/GTS to create mapping tool March/April 2023.	
10K	Ayres NNR - monitoring and reporting of priority species and habitats	Inform management practices.	Ongoing	DEFA: Ecosystem Policy Team	Ongoing	
Action 11: Continue to improve training in ecological research and survey covering identification, conservation and sustainable use of biodiversity and engaging the wider community where possible.						
11A	Organise training in catching, marking and radio-tagging bats following on from the one week of training received in 2019.	some species not easily detected and therefore under-recorded; radio-tagging efficient method for locating roosts.	Ongoing.	Manx Bat Group members	Ongoing. Work continued in 2022.	
11B	MWT to run the following practical adult education courses this year: Basic Bird Identification for Farmers, Wildlife Observer Course (a certificate course) and Magnificent Meadows Course.		By end March 2023.	Manx Wildlife Trust	In progress. One course held.	
11C	MWT to run the Festival of the Sea.		By end August 2022.	Manx Wildlife Trust	Complete. Event held.	
11D	MWT to run a bioblitz at Groudle Glen.		By end May 2022.	Manx Wildlife Trust	Complete. Event held.	
11E	Continue to support specialist groups. Specifically the Invertebrate Group (by storing microscopes and providing facilities for their use) and the IOM Fungus Group (use of facilities for training events).		By end March 2023.	Manx National Heritage	In progress.	

11F	Engagement in community events, such as Royal Show, Festival of the Sea, Food and Drink Festival.	To communicate the work of the Department, and focus on particular projects.	Ongoing, annual, as opportunity enables.	DEFA working in collaboration with: MWT.	Ongoing - permanent	
11G	Inland Fisheries public awareness through Cornaa holiday programmes, social media, Royal Show.	To raise awareness of Inland Fisheries issues, conservation, biodiversity and recreational opportunities.	Ongoing	DEFA: Inland Fisheries Team	Ongoing - permanent	
11J	Ayres NNR - various training activities provided e.g. wildlife monitoring.	Engage volunteers, increase knowledge.	Ongoing	DEFA: Ecosystem Policy Team	Ongoing.	
Action 12: Continue to identify areas for co-operation in research and survey with other parties to the CBD, especially islands, other UK Crown Dependencies, Overseas Territories, the UK and the Republic of Ireland.						
12A	Manx Bat Group to continue partnership with UK Bat Conservation Trust.	To access resources and inform BCT of status of IoM bats.	Ongoing.	Manx Bat Group	On-going.	
12B	MWT to continue to be active participants in the UK Overseas Territories Conservation Forum.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing , standing commitment. Leigh Morris now on Council.	
12C	MWT to continue to be a member of The Wildlife Trusts (TWT) comprising 46 different trusts across the UK, IOM and Channel Islands and as part of this co-operate in research and survey and information exchange.		Ongoing.	Manx Wildlife Trust	Ongoing , standing commitment. Involvement with Irish Sea Group and over the development of Nature Recovery Network.	
12D	MWT to work with MNH to draft a Calf of Man Research Strategy 2021-2026 which outlines ambitions for research group and wider university collaborations.		By end March 2023.	Manx Wildlife Trust	In progress. Awaiting MNH endorsement.	
12E	The Calf of Man Bird Observatory is to join an international collaborative network of researchers that use the Motus Wildlife Tracking System to simultaneously track hundreds of individuals of numerous species of birds, bats and insects. The receiver was funded by the Curragh's Wildlife Park Biodiversity Fund.		Ongoing.	Manx National Heritage and Manx Wildlife Trust	Ongoing.	
12F	Identify the key bird species for which IOM has a significant international responsibility, in line with BoCCIoM 2021 findings and share with DEFA/MNH/MWT and Biodiversity Action Plan Leaders.	To focus and facilitate funding on species where IOM can make a difference.	By end March 2023.	Manx Bird Life	First draft complete. Needs final consultation.	
12G	Ayres NNR - working with Manx Ringing Group on colour ringing projects, Manx Whale & Dolphin on cetacean recording, Manx Bird Life on bird recording etc.	Increase knowledge & understanding of priority species	Ongoing	DEFA: Ecosystem Policy Team	Ongoing.	
Objective 4: Community engagement and understanding: By 2025 everyone will understand what biodiversity is, why it is important to our quality of life and will have been empowered to use it more sustainably.						
Action 13: By the end of 2015 put the Island forward as a UNESCO Biosphere Reserve .						
Biosphere status achieved in 2016. For full information on the work of UNESCO Biosphere Isle of Man visit: https://www.biosphere.im/						



Action 14: By 2016 develop and **improve communication, education and public awareness** of biodiversity, how it supports us (ecosystem services), how our lives and actions affect biodiversity, here and outside our territory and what we can do to conserve it.

14A	As a member of the Biosphere Stakeholder Partnership Group and a Biosphere Partner, MWT will continue to actively promote the Biosphere within their work.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
14B	Promote the Water Department's 'No Mow May' activity. Manx Utilities have an internal practice to avoid mowing grassy areas around the reservoirs during May. MU can only do this where it is safe due to the operational nature of the sites. MU will establish ways to promote the contribution to 'No Mow May' (via website, social media and site signage).	Opportunity to influence others by showing good practice.	Ongoing	Manx Utilities	In progress 'No Mow May' was practiced in appropriate locations in 2022, carefully balancing encouraging wildlife with the need to maintain H&S standards at operational sites.	
14C	Hold a Biosphere Bee community picnic (a UNESCO Biosphere event) for Manx Utilities staff to raise awareness. To be held at Cringle reservoir with a theme of Biodiversity.	To raise awareness of the importance of biodiversity.	Summer 2022	Manx Utilities	In progress We were unable to do this in summer 2022 due to internal permissions. Hoping to gain approval to hold a picnic in summer 2023.	
14D	Manx Utilities will continue to consult and work with stakeholders to understand local concerns about proposed projects. Applying Fair Change values.	To ensure that matters relating to biodiversity are considered during our projects.	Ongoing	Manx Utilities	Ongoing/ on track Stakeholder consultations and appropriate ecological surveys being carried out towards our Raw Sewage Treatment Services project. Assessment of decision making gateways commenced in March 23 so that consideration of Fair Change (which includes biodiversity) will form part of the decision-making process going forward.	
14E	Public awareness raising through bat walks, talks to schools and community groups		As appropriate; 6 walks organised for 2022	Manx Bat Group	Ongoing. 6+ walks conducted in 2022. 6+ walks planned for 2023.	
14F	Talk to University College of Mann building students on bats in houses and their legal protection. (First session held 2019).	To educate next generation of builders.	Ongoing.	Manx Bat Group	Ongoing. Talk given to students in 2022.	

14G	Ongoing work: Regular postings on Biosphere social media channels; Press releases relating to perceptions of wildlife engaging behaviour and change; Press releases issued as topics/issues arise; Wildlife Week; Invasive Non-native Species (INNS) Week - messaging via social media, possible event. Also relates to Action 4.	To engage and inform the public. To increase the public's knowledge of wildlife issues and encourage biodiversity to be valued and respected.	Ongoing.	DEFA: Ecosystem Policy Team	Ongoing. List to be compiled.	
14H	Display stands and associated information leaflets to be made available at the Royal Agricultural Show stand.	To engage and inform the public. To increase the public's knowledge of wildlife issues and encourage biodiversity to be valued and respected.	By end August 2022.	DEFA: Ecosystem Policy Team; Agriculture and Lands Directorate.	Complete.	
14I	Production of signage for Greeba Mountain & Central Hills ASSI.	To engage and inform the public. To increase the public's knowledge of wildlife and the role of protected sites.	By end August 2022.	DEFA: Ecosystem Policy Team	In progress but behind schedule. Currently with sign design company.	
14J	MWT will continue to be highly active on social media, including the Calf of Man Bird Observatory and heavily utilise a variety of communication channels (MWT website, Twitter, Instagram, Facebook, YouTube). MWT to run many public events and presentations, the Bird Identification for Farmers course and in Spring 2022 will run a 'Plant of the Day' campaign.	For education and public awareness.	Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
14K	Commence a new role of 'Biosphere Artist in Residence'.	To communicate the importance of biodiversity through art.	Ongoing.	Manx Wildlife Trust and DEFA Ecosystem Policy Team.	Ongoing. Artist appointed April 2022 to April 2023. In discussion over a second Artist in Residence after that.	
14L	Commence new role of 'Community Ranger'.	To communicate and engage communities with biodiversity.	Ongoing.	Manx Wildlife Trust	Ongoing. Ranger appointed.	
14M	Continue to produce twice-yearly publication 'Manx Nature' to all Manx Wildlife Trust members.		Ongoing.	Manx Wildlife Trust	Ongoing.	
14N	MWT to distribute a 2023 farmland birds calendar to all 350 active farmers.	To assist with farm land bird identification.	By December 2022.	Manx Wildlife Trust	Complete.	
14O	MWT to make its library freely available to all Manx farmers.	To enable farmers to access wildlife resources.	By June 2022.	Manx Wildlife Trust	Complete.	
14P	MNH to organise and promote Wildlife Week and lead some events.	For the enjoyment and education of the public.	May 2022.	Manx National Heritage	Complete	

14Q	Development and launch of hard copy and online Marine Nature Reserve guides, spotter sheets and videos covering all ten MNRS.	To raise awareness of MNRS, marine conservation, biodiversity and recreational opportunities.	By end June 2022.	DEFA and MWT	Complete	
14R	Inland Fisheries public awareness through Cornaa holiday programmes, social media, Royal Show.	To raise awareness of Inland Fisheries issues, conservation, biodiversity and recreational opportunities.	By end June 2022.	DEFA Fisheries	Complete	
Action 15: By 2017 further integrate biodiversity into school curricula at each education level.						
15A	Work on the tender for the provision of Biodiversity Education Services for the 2022/23 year as per Financial Regulations.	To assist biodiversity education to continue within schools.	By end July 2022.	DEFA: Ecosystem Policy Team.	Complete. Tender awarded.	
15B	Ask Department of Education, Sport and Culture (DESC) what changes to the curricula have taken place since 2015 involving biodiversity.	To gauge whether biodiversity is being taught in primary schools.	By end March 2023.	DEFA: Ecosystem Policy Team.	In progress.	
15C	Provide four biodiversity pop-up displays (protected species, protected sites, Endangered Species Act and Ayres National Nature Reserve) to secondary schools on rotation.	To educate students about Manx biodiversity and the Wildlife Act and the Endangered Species.	Ongoing to end March 2023.	DEFA: Ecosystem Policy Team.	On going. Displays at CRHS Dec 2020; QEII Oct 2021.	
15D	Make contact with biology/science secondary school teachers and offer to talk to students about biodiversity/provide resources.	To see whether there are opportunities to provide curriculum relevant information on Manx biodiversity.	Ongoing to end March 2023.	DEFA: Ecosystem Policy Team in partnership with Chair of BDG.	In progress. Initial enquiries made at one school. Jan Gledhill has prepared and sent lesson plans for biology teachers.	
15E	Continue to supply books demonstrating Sustainable Development Goals to primary schools.	To inform primary school children about the Sustainable Development Goals and their importance.	By end March 2023.	DEFA: Ecosystem Policy Team (Biosphere Officers).	Ongoing.	
15F	Consult DESC to ensure national curricula takes into account local biodiversity and associated concerns. Offer to provide materials for one or two lessons at Key Stage 3.	To assist biodiversity education to continue within schools.	Ongoing to end March 2022.	DEFA: Ecosystem Policy Team.	In progress.	
15G	MWT Education Officer to work with schools to deliver the environmental elements of the Manx curriculum fulfilling the Biodiversity Education contract with DESC and DEFA.	To provide biodiversity education to school aged children.	Ongoing.	Manx Wildlife Trust	Ongoing.	
15H	MWT to work towards Onchan Primary School adopting Onchan Wetlands nature reserve as an education area.		By end March 2022.	Manx Wildlife Trust	In progress. Eastern Community Group established to assist with Onchan Wetlands.	
15I	MWT and DEFA to continue to be a member of the Environment Educators Group consisting of all organisations who provide environmental education to schools.		Ongoing.	Manx Wildlife Trust; DEFA: Ecosystem Policy Team.	Ongoing.	

15J	Manx Bird Life to continue to employ an Education Officer who works with primary and secondary age children.	Ensure continued provision through the ages.	Ongoing.	Manx Bird Life	Ongoing. Education Manager was appointed (to replace the previous Education Officer) in Oct 2022. The manager has workedhas worked with 950 primary school children since then and 6 secondary age children via Scouts. Further work with secondary school children is planned.	
15K	Manx Bird Life through the Environmental Educators Group (EEG), provide input to curricula development.	Ensure curricula reflect real-world topics, science and learning objectives.	Ongoing.	Manx Bird Life	Ongoing. Education Manager attended and input into EEG at Nov 2022 meeting. Topics taken into schools include Garden Birds and their habitats, Seabirds and their threats, focussed sessions on Manx Shearwater and Arctic Tern, and Environmental Impact of Space Travel. All sessions are curriculum linked and have specific learning objectives.	
15L	Contracted MWT to deliver 5 Secondary School Assembly presentations on MNRs.	To raise awareness of MNRs, guides and spotter sheets.	June- August 2022	DEFA via MWT Education Officer	Complete. 4 MNR assemblies given highlighting United Nations Goals 12, 13 and 14.	
15M	Student work placements	To raise awareness of MNRs, guides and spotter sheets, Inland Fisheries operations.	Ongoing.	DEFA Fisheries	Ongoing - permanent	
Action 16: By 2025 encourage all local businesses to take account of the local and global biodiversity impacts of their activities, and ensure they understand the need for and benefits of biodiversity conservation.						

<p>16A</p>	<p>Manx Utilities are a Biosphere Partner. We will continue our work towards meeting our Pledges. We will promote our Biosphere Partnership to encourage other businesses to do the same.</p>	<p>To encourage other businesses to consider partnerships that aim to enhance biodiversity improvement.</p>	<p>Ongoing</p>	<p>Manx Utilities</p>	<p>Ongoing/ on track. Sustainable Mann certification 2022 – raising awareness internally. Attendance at Biosphere Climate Change lecture in Jan 2023. Member of the Biosphere Awards judging panel 2022. Support of the Re-fill campaign. IoM Chamber of Commerce Sustainable Business Group members since June 2022. Maintenance of MU webpage summarising MU's work towards Pledges. Share 'Biosphere' stories with the UB IOM team for cross-promotion.</p>		
<p>16B</p>	<p>Manx Utilities will seek to engage with third party organisations to promote biodiversity strategy objectives. e.g. MWT 'Supporters'. We will continue to look for ways to support their work. We will promote our actions to encourage other businesses to do the same.</p>	<p>To encourage other businesses to consider partnerships that aim to enhance biodiversity improvement.</p>	<p>Ongoing</p>	<p>Manx Utilities</p>	<p>Ongoing/ on track Working closely with MWT to understand our biodiversity resources in our reservoir catchments, focussing on Ballure gathering grounds first. This has led to a renewed lease with our farm tenant at North Barrule, which better considers protection and enhancement of biodiversity. To be rolled out to other areas as appropriate.</p>		

16C	Promote best environmental practice throughout the supply chain via the procurement process. Request information from suppliers about how they manage their environmental performance, which would include biodiversity.	Use our sphere of influence to promote best practice in environmental management.	Ongoing	Manx Utilities	Ongoing/ on track Environmental credentials requested from suppliers via procurement. Assessment of decision making gateways commenced in March 23 so that consideration of Fair Change (which includes biodiversity) will form part of the decision-making process going forward. – including procurement
16D	Information seminar to be prepared for one local large housing development company.	To explain importance of pre-development bat surveys, appropriate timing and mitigation measure.	To be presented 2022	Manx Bat Group	In progress. Talk not achieved yet - under negotiation.
16E	The 'Anglers Forum' to broaden stakeholder scope.	Widen education of inland water issues across the community and initiate effective discussion to drive positive action in the protection of freshwater environments.	By end of December 2022	DEFA: Inland Fisheries Team	In progress
16F	Private Contract Businesses working in water courses, Section 18 Consent and 9 metre forms for planning application purposes.	Raise awareness of inland water issues and initiate effective discussion to ensure the protection of freshwater environments.	Ongoing	DEFA: Inland Fisheries Team	Ongoing -permanent
16G	DEFA Fisheries engagement with the fishing industry via the Scallop Management Board (SMB) and the Manx Fish Producers' Organisation (MSFO) fundamentally ensures consideration of biodiversity impacts and the acceptance of biodiversity conservation, as evidenced by the protected area network (short and long term, inclusion of weekly individual ground, fishing-intensity metrics into fishery management decisions, consideration of fishing activity in relation to important conservaiton features, eg. avoiding horse mussels in Fisheries Management Zone, Ramsey Bay.	Recognition that sustainable fishing requires consideration and protection of the supporting environment, and the whole life cycle (recruitment, predator :prey interactions), not just the adult target species.	Ongoing	DEFA, Bangor University, SMB, MFPO	Ongoing -permanent

Objective 5: Habitats and species: By 2025 all sites of critical importance for conservation of **our biodiversity will be effectively protected and managed** so that resident or migratory wildlife has adequate refuge to safeguard its future survival, recognising the challenge of climate change. To achieve this we will prevent loss of priority habitats, significantly reduce habitat degradation and fragmentation and, where appropriate, restore key species populations and priority habitats.

Action 17: Site Protection actions: By 2025 we will appropriately conserve and manage 20% of land and inland water through statutory designations and other effective conservation management schemes.

17A	Work with DEFA and non-governmental organisations to determine enumerated species and habitat goals relating to birds and other nature. Establish methodology for this by end March 2022.	Measurable and meaningful goals by which to target and evaluate success.	By end March 2023.	Manx Bird Life	In progress. Basic method outlined. Needs peer review.	
17B	Bat surveys of protected sites	To improve knowledge of sites' biodiversity and bat distribution	Ongoing (started 2015).(Since 2015: records provided to date for 8 ASSIs, 16 MWT reserves, 4 MNH properties, 4 private reserves, 3 wildlife sites, 3 plantations, 1 ASP).	Manx Bat Group	Ongoing; 2022: records collected for MNH sites, MWT reserves, Wildlife Sites and prospective Wildlife Sites, DEFA plantations and glens, ASSIs.	
17C	DEFA to complete the process of ASSI designation for Curragh Beg ASSI. The Department to decide whether to confirm, vary or rescind the site within two months after the close of the statutory consultation period (22nd July).	Statutory protection for sites.	Decision to be made by 22nd September 2022.	DEFA: Ecosystem Policy Team.	Complete. Curragh Beg ASSI confirmed.	
17D	Offer Management Agreements for land managers with land within Grenaby Garey ASSI.	To financially support positive management of the land.	By end March 2023.	DEFA: Ecosystem Policy Team.	Ongoing.	
17E	Progress designation of other sites if political approval granted.	To increase the area of land under statutory protection. To financially support positive management of the land.	Before end March 2023.	DEFA: Ecosystem Policy Team.	In progress. Curragh Pharrick ASSI designation has been confirmed. Douglas Head ASSI was notified and confirmed.	
17F	MWT will continue to manage 26 nature reserves (including two ASSIs and two statutory Bird Sanctuaries) comprising 136.77ha. Mullen-e-Cloie in St Johns became their 26th nature reserve on signing of the DEFA lease recently.		By end March 2023.	Manx Wildlife Trust	Ongoing.	
17G	MWT will invigorate the Manx Wildlife Sites System, which currently comprises 67 sites (1,229.65ha and 10.5km of coast), which play a vital role in the planning process.		By end March 2023.	Manx Wildlife Trust	In progress. All-Island candidate Wildlife Site GIS layer mapped June 2022.	

17H	Establish baseline area of land and inland water that is appropriately conserved and managed through statutory conservation measures and other effective conservation measures as part of the Nature Recovery Network Biosphere project.		By end September 2022.	Manx Wildlife Trust & DEFA: Ecosystem Policy Team	Ongoing. Nature Recovery Network website and web form prepared. Launch to be summer 2023.	
17I	A Management Plan for the Calf of Man is to be written to describe how the land is to be effectively managed.		By end March 2023.	Manx National Heritage	Draft complete. Draft plan was discussed with stakeholders in November 2021.	
17J	MNH is re-evaluating the grass cutting regimes on each of the ancient monument sites to ensure that the wildlife interest of the sites are taken into account with the timing of the cutting. Many sites are species-rich grassland.		By end March 2023.	Manx National Heritage	In progress.	
17K	A new Management Plan for the MNH land within the Ballaugh Curragh Ramsar Site is to be drafted.		By end March 2023.	Manx National Heritage	In progress. Draft completed May 2022. Lichen survey of Ballaugh Curragh commissioned by DEFA and complete.	
17L	Consideration is to be given as to the re-convening of the strategic Ballaugh Curragh Group consisting of the three main landowners (MNH/DEFA/MWT).		By end March 2023.	Manx National Heritage	Pending.	
17M	Work with DEFA to devise meaningful, holistic (lifecycle) protections within designated sites for breeding, feeding and roosting seabirds. Current protection is only when birds are breeding.	Effectiveness of designation per se is currently limited; designation must mean protection. Adequate protections for birds are restricted to breeding period; protection must be holistic, e.g. year-round and tailored to seasonal/lifelong behaviours.	By end March 2023.	Manx Bird Life	Not started. Discussion paper to be drafted 2022.	
17N	Consideration might be given to protecting appropriate inland waters subject to available resource as shown by Emmeries Weir. A much wider scope is to be explored to protect known waters that may require protection.	For the full protection of vulnerable or high biological value sites in freshwater water courses.	Ongoing	DEFA Fisheries	Not started	
Action 18: By 2020 at least 10% of our marine ecosystem will be conserved through effectively managed, ecologically representative and well-connected protected areas and other effective area-based conservation measures.						
18A	Manx Marine Nature Reserves cover 11% of our marine ecosystem. Ongoing management of the MNR continues.		Ongoing	DEFA Fisheries Team	Ongoing	
18B	MWT to continue to employ a full time Marine and Freshwater Officer who works closely with DEFA on MNR management. This year projects include pea mussel and freshwater pearl mussel.		Ongoing, standing commitment.	Manx Wildlife Trust	Pearl mussel: complete; Pea mussel: ongoing;	

Action 19: From 2016, when **assessing developments** on or adjacent to protected sites, there will be increased consideration of biodiversity and environmental sustainability.

19A	Establish an Environmental Constraints mapping viewer showing Manx Utilities land overlaid onto habitats mapping and other protected sites and species.	To enable us to identify protected sites on our landholding	By end March 2023.	Manx Utilities	In progress Approach is being adjusted. A new viewer will not be perused. The alternative will be to provide easy access to the MANNGIS Environment Data Viewer and educate operational team as to it's use. MU IT Dept to add links to the MANNGIS Environment Data Viewer into our existing asset mapping and a link to the data via a new App.	Yellow
19B	Establish a process that requires the identification of potential environmental risks, opportunities and constraints (including Climate Change Act obligations).	To enable us to identify protected sites and species prior to any potential negative impact or to identify opportunitites to enhance.	Ongoing	Manx Utilities	Not started Assessment of decision making gateways commenced in March 2023 so that consideration of Fair Change (which includes biodiversity) will form part of the decision-making process going forward. – including procurement.	Red
19C	Bat surveys for planning and development purposes	Inform planning decisions with appropriate mitigation.	As appropriate, (around 40 conducted 2021)	Manx Bat Group members.	On-going. Around 40 surveys conducted in 2022.	Green
19D	Complete the Biodiversity Planning Guidance document and provide to Policy & Strategy for approval, then arrange for Planning to post it on their webpages.	To inform applicants of how to take wildlife into consideration prior to seeking planning permission.	By end July 2023.	DEFA: Ecosystem Policy Team	Complete.	Blue
19E	Meet with DEFA Planning officers regarding Planning conditions and other biodiversity matters e.g. revision of planning application form.	To positively influence how wildlife is taken into account in Planning policy.	By end March 2023.	DEFA: Ecosystem Policy Team	Ongoing. Meeting held 05.11.20 and March 2022.	Green
19F	MNH to continue to assess planning applications for biodiversity issues.		By end March 2022.	Manx National Heritage	Ongoing. Weekly.	Green

19G	Establish the Sediment Control Planning Guidance document and provide to Policy & Strategy for approval, then arrange for Planning to post it on their webpages.	To inform applicants of how to take wildlife into consideration prior to seeking planning permission.	By Dec 2022	DEFA: Environmental Protection Unit, Inland Fisheries	Not Started.	Red Green Green
19H	Private Contract Businesses working in water courses, require Section 18 Consent and 9 metre forms for planning application purposes.	Raise awareness of inland water issues and initiate effective discussion to ensure the protection of freshwater environments.		DEFA: Inland Fisheries	Ongoing -permanent	
19I	Requirement for wildlife and fisheries consideration and mitigation (as required) in respect of seismic survey applications, and which are more comprehensive than neighbouring jurisdictions, reflecting relative importance in Manx waters. Includes Wildlife Committee input.	To ensure that potentially damaging developments or activities do not adversely impact on local marine wildlife or protected area features.	Ongoing and for current application	DEFA: Fisheries	Ongoing - permanent	
Action 20: Continue to investigate and pilot landscape-scale initiatives to restore and conserve scarce or vulnerable habitats and their rare species and by 2025 improve ecosystem resilience to climate change.						
20A	Progress with the Action for Wildlife projects.		Ongoing.	Manx Wildlife Trust	In progress. Official launch planned.	Yellow
20B	MWT, as an active farmer, is to apply to the Agri-environment Scheme to showcase nature friendly farming on their nature reserves and the Calf of Man (which they tenant) to the agricultural community and public.		Ongoing.	Manx Wildlife Trust	Ongoing.	Green
20C	The Wildflowers of Mann (a partnership project between MWT and DEFA) work with Ramsey Forest is to progress once lease of Cloughbane plantation is offered by DEFA.		Ongoing.	Manx Wildlife Trust	In progress. Lease arranged.	Yellow
20D	Investigating the management of Ballaugh Curragh with MWT and possibly DEFA and Wildlife Park, and private landholders. Part of Management Plan process underway.		By end March 2023.	Manx National Heritage	In progress.	Yellow
20E	Work with DEFA and other non-government organisations to protect the Ayres ecosystem and to optimise biodiversity. For example explore the potential for a stewardship group. Exploratory conversations to take place before March.	Landscape-scale conservation requires integrated conservation planning by all parties.	By end March 2022.	Manx Bird Life	Not started. Feasibility and goals to be discussed with MNH, DEFA and MWT.	Red
20F	Barn owl recovery: MWT to work with farmers to explain/mitigate Barn Owl decline and to distribute 20 Barn owl nesting boxes.		By end June 2022	Manx Wildlife Trust	Complete.	Blue
20G	MWT to install swift nest boxes on its office in Peel to demonstrate urban conservation best practice and work with DEFA Planning to promote it.		By May 2022	Manx Wildlife Trust	Complete.	Blue

20H	New Agri-environment initiative to be launched for managing existing farmland habitats to an optimum ecological standard.		By end April 2022	DEFA Agriculture & Lands Directorate	Complete.	
20I	Facilitated a trial transplantation of eel grass from Fort Island to Port Erin, via licence issued and methodology assessment, and interaction with Blue Carbon project. (See also Action 23).	Assessing the feasibility of whole-plant transplantation for restoration of previously known eel grass sites.	By end March 2023.	Manx Wildlife Trust for DEFA Fisheries Team.	Ongoing. Started June 2022.	
Action 21: Isle of Man Government will continue to promote a policy of 'no net loss' for semi-natural Manx habitats and species and ensure that unavoidable loss is replaced or effectively compensated for.						
21A	Utilise our environmental constraints mapping to understand baseline (i.e. existing habitats and protections) and conserve and enhance where possible. No net loss policy to be considered best practice where possible.	To contribute towards a no net loss policy within our landholding. To balance our need to provide essential services with consideration of environmental constraints.	Ongoing	Manx Utilities	Not started.	
21B	Providing comments on planning applications listed weekly on terrestrial, freshwater and marine matters.	To raise any wildlife constraints on a site/within an application so that they can be mitigated.	Ongoing	DEFA: Environment Directorate and Agriculture & Lands Directorate	Ongoing.	
21C	Providing wildlife information and advice on developments at the pre-planning stage. Responding to search requests from advocates.	To flag up any wildlife matters on a site at an early stage so that the relevant surveys/mitigation can be undertaken.	Ongoing	DEFA: Environment Directorate.	Ongoing.	
21D	Where habitat loss is unavoidable due to the required location and criticality of the services we are legally obliged to provide, we will work with interested organisations to agree effective compensatory habitat replacement or re-instatement. Where this is not possible in the immediate locality it will be undertaken at suitable locations elsewhere on the Island.			DEFA with Manx Utilities, Department of Infrastructure.	Ongoing	
21E	Sustainable fishery management essentially tries to ensure no-net loss. Introduction of marine protected areas and managing fishing intensity on grounds attempts to ensure replacement or compensation of habitats and species affected by commercial fishing. Informed by annual surveys.	To ensure that fish stocks are maintained and within their natural/semi-natural habitats.	Ongoing (every scallop and queen scallop fishing season)	DEFA, Bangor University Scallop Management Board	Ongoing - permanent	
See also tasks 7F & 7G.						
Action 22: By the end of 2015 complete a land use and terrestrial habitat assessment to understand rates of habitat loss, use this information to help prioritise habitat and species conservation, through Biodiversity Action Plans, and consider how to monitor success.						

22A	Follow up required with the original contractor to produce a summary of habitat change and a user's guide. Consider whether appropriate to display results on the Island Environment Map at www.gov.im/maps	To obtain an up to date Phase 1 habitat survey map (based on remote sensing data, not on the ground survey) to determine level of change/loss of habitats since original 1990s survey.	Commission by end March 2023.	DEFA: Ecosystem Policy Team.	In progress.	
22B	MWT will launch Action for Wildlife; a series of short, targetted actions towards conserving key Manx habitats and species.		Ongoing.	Manx Wildlife Trust	Ongoing.	
22C	MWT to continue to undertake habitat and species monitoring on all of their reserves and the Calf of Man.		Ongoing standing commitment.	Manx Wildlife Trust	Ongoing.	
22D	Including inland aquatic environments under terrestrial: DEFA Inland Fisheries undertake presence/absence surveys, salmonid monitoring of the Island's freshwater fish populations.	To identify freshwater fish species across the Island to enhance accuracy when advising and monitor population ranges.	By 2023	DEFA: Inland Fisheries Team.	In progress. Basic method outlined and data collection begun.	
See also tasks 10D & 12D.						
Action 23: By 2025 restore at least 16% of the area of degraded marine, freshwater and terrestrial ecosystems.						
23A	DEFA to consider new assessment of options produced by Department of Infrastructure, for the disposal of dredgings from Peel harbour, including within the Neb catchment.	To make recommendations to Department of Infrastructure on best option.		DEFA	In progress.	
23B	MWT to work with MNH to take forward the Ballaugh Curragh restoration plan as an Action for Wildlife initiative.		On hold.	Manx Wildlife Trust	In progress by MNH: MNH currently revising Management Plan for the site and considering Action for Wildlife proposal. On hold by MWT awatiing MNH response.	
23C	MWT to continue to implement the Action for Wildlife project on calcareous grasslands at disused quarries at Billown, one of which is Rosehill Quarry ASSI.		Ongoing.	Manx Wildlife Trust	Ongoing. Good progress being made.	
23D	Secure funding and devise management plan for Point of Ayre wetlands.	Biodiversity restoration and enhancement.	Ongoing.	Manx Bird Life	Ongoing. Tier 1 funding achieved (securing medium term future of project) and initial Management Plan in place. Tier 2 fund raising underway for visitor facilitation - 5yr programme.	

23E	MWT to restore de-graded dune at Cronk y Bing Nature Reserve & ASSI and fence off the beach to protect nesting waders.		By end May 2022.	Manx Wildlife Trust	Complete.	
Action 24: By the end of 2016 identify indicator species including migrants, as signs of environmental change, initiate monitoring and by 2020 initiate investigations into the reasons for any changes identified.						
24A	DEFA Inland Fisheries to continue surveys of salmonid populations within main rivers.	To enable appropriate management/restoration of fish populations and aquatic habitats.	Ongoing	DEFA: Inland Fisheries	Ongoing	
See also Actions 33 & 38						
Action 25: Continue to target conservation action on key species and priority habitats through Biodiversity Action Plans .						
25A	Put forward for formalisation the Biodiversity Action Plan for lesser horseshoe bat.	Conservation plan for very rare species in IoM.	By end 2022.	Manx Bat Group in conjunction with Biodiversity Action Plan Leaders group.	Complete. Lesser Horseshoe Bat BAP and <i>Myotis</i> Bats BAP (3 species with distinctive ecological requirements) agreed in 2023.	
25B	Continue Biodiversity Action Plan Leaders meetings to identify and plan action to conserve key species and habitats.	To determine level of activity for BAP writing and implementation. To discuss and review purpose and need for BAPs.	Ongoing	DEFA: Ecosystem Policy Team to lead; DEFA officers from other areas to contribute.	In progress.	
25C	Saltmarsh Biodiversity Action Plan to be put forward to DEFA for formalisation via Biodiversity Action Plan Leaders meeting.		By end September 2022.	Manx National Heritage	In progress.	
25D	Mud Flats Biodiversity Action Plan to be written.		By end September 2022	Manx National Heritage	In progress.	
25E	Anthill Pasture Biodiversity Action Plan to be written.		By end November 2022	Manx Wildlife Trust	In progress.	
25F	Reedbed Biodiversity Action Plan to be written.		By end November 2022	Manx Wildlife Trust	In progress.	
Action 26: Continue to improve, maintain and enforce legislation for the protection of threatened species and habitats.						
26A	Review the Inland Fisheries Regulations 2017	To enable a revision of the Inland Fisheries Regulations 2017 aiming to reduce impacts from recreational angling on native Atlantic salmon populations	By end December 2023	DEFA Environment Directorate: Inland Fisheries Team.	Not started.	

26B	Inland Waters enforcement		Ongoing	DEFA Environment Directorate: Inland Fisheries Team.	Ongoing	
26C	Sea Fisheries enforcement activities; eg. 50 sea patrols per year plus shore checks, along with annual review of existing legislation, licence conditions, and amendments made accordingly.	An essential component of core business, and to ensure sustainable fisheries. Statutory responsibility. To be responsive to changing conditions and circumstances.	Ongoing, and annually pre-season (October and June)	DEFA Environment Directorate: Inland Fisheries Team.	Ongoing - permanent	
26D	Compilation of species for consideration of inclusion on an amended Schedule 5 of the Wildlife Act 1990	Existing legislation is not current (1990), and requires amendment.	Ongoing	DEFA Environment Directorate: Ecosystem Policy Team	Ongoing; (legislation officer resource dependant).	
See tasks under Actions 5 & 6.						
Action 27: By 2025 identify genetically distinct species (and sub-species) of flora and fauna restricted to the Isle of Man (endemic), including domesticated plant varieties and animal breeds, and mitigate risks to them. Where a species is suspected to be endemic take precautionary measures to conserve it. Endemic wild plants and animals will be treated as key species (See Action 25).						
27A	DEFA to set up system to record the numbers of loaghtan sheep on the Island via the annual agricultural returns submitted by farmers claiming Agricultural Development Scheme support.			DEFA Agriculture & Lands	Complete.	
27B	Orchards to be created under the Agri-environment Scheme to include the two Manx varieties of apple (Andrew Johnson and Manx Codlin).		By end April 2022	DEFA Agriculture & Lands Directorate	Complete - AES Handbook states this.	
Action 28: Continue to improve the understanding of the value of ecosystem services to our economy.						
28A	Value of Sea Fisheries to the Island is recorded.		Ongoing	DEFA: Fisheries Team.	Ongoing.	
28B	Take opportunities to engage with people over the value of ecosystem services via Biosphere Isle of Man.		Ongoing	DEFA: Ecosystem Policy Team	In progress.	
28C	MWT to look to champion, support and deliver Nature Based Solutions through the Agri-environment Scheme as current Delivery Partner to DEFA.		Ongoing	Manx Wildlife Trust	Ongoing.	
Action 29: By 2025 undertake an audit of essential ecosystem services (many of which can not be quantified) and take action to maintain them.						
29A	MWT to continue research into upland peat to inform Nature Based Solutions work. Work to expand into lowlands in 2022 using volunteers.		Ongoing.	Manx Wildlife Trust	Uplands: complete; Lowlands: in progress.	
29B	MWT to undertake an initial peat survey of the Calf of Man.		By end June 2022.	Manx Wildlife Trust	Complete.	
29C	Surveys of salmonid populations within main rivers.	To enable appropriate management/restoration of fish populations and aquatic habitats.	Ongoing	DEFA: Inland Fisheries	Ongoing.	

29D	Annual scallop surveys contribute to maintenance of provisioning ecosystem services (seafood).	To understand population dynamics and set catch limits.	Ongoing - annual surveys	DEFA, Bangor University, Manx Fish Producers' Organisation	Ongoing - permanent	
Sea also Blue Carbon project under Action 30.						
Action 30: By 2020 minimise further loss of carbon to the atmosphere from terrestrial, wetland and marine habitats, which form important carbon stores by restricting damaging practices.						
30A	Consideration of carbon loss will be covered by the process of identifying potential environmental risks and opportunities.	To integrate consideration of carbon losses into business operations.	Ongoing	Manx Utilities	In progress. Peat survey (inc. carbon calcs) undertaken at our Ballure gathering grounds site to understand baseline. Aim to develop management/restoration plan. Worked closely with the Climate Change Team in the development of the forthcoming Climate Impact Assessment process, which will ensure carbon emissions are considered during decision-making.	
30B	Work with DEFA and MWT towards the mapping, registration and management of peatland (as per Climate Change Act) within our ownership and control.	To protect and enhance carbon stores within our landholding.	To be commenced in line with DEFA's programme.	Manx Utilities	In progress Requirement for registration of peatland not yet enacted. Discussions commenced with MWT regarding partnership working. Peat survey undertaken at our Ballure gathering grounds.	
30C	Continue to work with DEFA Fisheries to support their work going forward, with particular reference to interconnector site(s) and to protection and enhancement of marine carbon stores within our control or influence.	To assist with protection of marine ecosystems within our influence.	Ongoing	Manx Utilities	Ongoing/ on track MU funded a suite of MNR Spotter Sheets	

30D	An assessment of Blue Carbon (carbon held in marine habitats). Consider how the management of the MNRs are/could minimise the loss of carbon from marine habitats. Climate Change Phase 1: No.5: <i>Council of Ministers commits to increasing natural carbon capture opportunities, whilst protecting biodiversity and enhancing ecosystems, to help reach net zero by 2050.</i> Action 5.7: <i>Develop a comprehensive blue carbon management plan to maximise carbon sequestration and maintain and restore biodiversity and wider ecosystem services.</i>	To inform the management of marine habitats to best conserve and maximise carbon.	Ongoing	DEFA: Ecosystem Policy Team & Sea Fisheries	Ongoing – Working group established. Additional funding secured to Feb 2025 to complete and inventory of blue carbon and associated ecosystem services, identify threats and mitigation measures, conduct experimental work around blue carbon and fisheries, and to design a holistic management plan.	
30E	MWT to work closely with DEFA to advise on peatland restoration in the uplands.		By end March 2022.	Manx Wildlife Trust	Ongoing.	

Objective 6: Environmental risks: By 2025 Government will monitor, understand and substantially reduce the other main pressures on biodiversity, particularly environmental pollution and the prevalence of non-native invasive species, and will take measures to meet the biodiversity challenges posed by climate change.

Action 31: Continue and improve the **identification and monitoring of pollution** on high-risk land, in freshwater and marine habitats, minimising risks by effective legislation, facilities, incentives and sanctions.

31A	Light pollution: educate planners on need to minimise light pollution in bat sensitive areas and include lighting advice in mitigation reports as appropriate.	As many bat species are deterred from visiting brightly lit areas.	Ongoing	Manx Bat Group	In progress. (Partially achieved).	
31B	OSPAR Convention (the Convention for the Protection of the Marine Environment of the North-East Atlantic). The Isle of Man is taking part in OSPAR's Coordinated Environmental Monitoring Programme Theme H - hazardous substances. Every year sediment and biota samples will be collected around the Isle of Man and analyzed by Cefas for heavy metals, PAHs, PCBs, and PBDEs. The data is then uploaded to the International Council of Exploration of the Sea (ICES) database. The data will be used by OSPAR to assess the health of the Celtic Seas.	To report to OSPAR and monitor for hazardous substances in the marine environment.	By end March 2023.	DEFA: Ecosystem Policy Team & Environmental Protection Unit.	On-going. Sediment and biota samples from 2021/2022 have been analysed by Cefas for OSPAR's various parameters. Cefas is currently writing a report on the results which should be completed by May. In March sample collection will begin for 2023, with Cefas analysing the samples at the end of summer.	

Action 32: By 2025 bring **pollution**, including diffuse pollution to levels which support healthy ecosystems and biodiversity.

32A	Manx Utilities will continue to comply with existing legislation (including Water Pollution Pollution and Bathing Water Quality Standards).	To comply with legislative requirements.	Ongoing	Manx Utilities	Ongoing/on track.	
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32B	Identify potential areas within landholding to contribute to catchment improvement.	To improve raw water quality.	End March 2023	Manx Utilities	In progress. Ballure gathering grounds identified as potential pilot project, surveys undertaken. Biodiversity and catchment management considered during renewal of tenants lease for this area. Membership of the Natural Flood Risk & Catchment Management sub-group under Flood Management Committee.	
32E	Implementation of the Water Pollution (Standards and Objectives) Scheme 2020 which was approved by Tynwald in December 2020 and covers environmental quality standards for inland and coastal water. Work includes collecting water samples for analysis at the Govt Lab and recording of freshwater invertebrates as indicators of water quality at specific locations. More information can be found at: https://www.gov.im/about-the-government/departments/environment-food-and-agriculture/environment-directorate/environmental-protection-unit/river-water-quality/	To monitor and improve water quality.	Ongoing	DEFA: Environmental Protection Unit.	On-going; routine river sampling continuing and assessment of additional parameters will be completed prior to the 31st December 2025 as stated in the scheme.	
32F	Environmental Protection Unit to continue to develop the Isle of Man River Invertebrate Classification Tool. Reference samples were collected in 2020/2021 and development of the model is now underway to enable accurate classification of biological health of the Island's watercourses.	To develop a better method of interpreting the results of invertebrate samples in indicating water quality.	Ongoing	DEFA: Environmental Protection Unit.	On-going; model has been developed. Meeting consultants over how to use it and will train others in its use.	
32G	The Agri-environment Scheme has a 'Catchment Management' option whereby farmers can receive a payment to fence off a wide buffer zone that they will not apply fertilisers, manure or slurry to. DEFA to set up a system to monitor catchment management on farms.		Ongoing	DEFA: Agriculture & Lands Directorate	Complete.	
32H	Consider whether there is anything in the Climate Change Action Plan with regard to pollution control/prevention.	To see whether the Climate Change plan will assist with the delivery of this action to reduce diffuse pollution.	By end March 2023	DEFA: Ecosystem Policy Team / Environment Protection Unit	Not started.	
Action 33: Invasive non-natives action: By the end of 2016 complete and begin implementing an Invasive Non-native Species Strategy and a Marine Biosecurity Plan.						
33A	Asian Hornet Response Plan - continue to liaise with UK jurisdictions (including British Irish Council Asian Hornet Sub Group) to keep abreast of developing best practice. Response Plan to be kept up to date.	To enable the Island to be prepared if Asian hornets are recorded.	Ongoing	DEFA: Ecosystem Policy Team & Environmental Health Team.	Ongoing.	
33B	Establish a Pink Salmon Response Plan.	To enable the Island to be prepared if pink salmon arrive in larger numbers.	By end December 2022.	DEFA: Inland Fisheries Team	Not Started.	

33C	Develop an Implementation Plan for the Marine Biosecurity Plan. Early draft written as at July 2022.	The Implementation plan enables practical introduction of the Biosecurity Plan.	By end March 2023.	DEFA	Ongoing , but resource constrained	
33D	Complete the freshwater and terrestrial Invasive Non Native Species (INNS) strategy.	To ensure that the risk posed by freshwater and terrestrial INNS is recognised and there is a plan to prevent their entry to the Island and where possible, control or eradicate them.	By end March 2023.	DEFA: Ecosystem Policy Team.	In progress. Freshwater INNS started.	
33E	Review Japanese knotweed control options.	To increase action to control knowweed.		DEFA: Ecosystem Policy Team.	In progress.	
33F	Continue to advise DEFA Planning with regard to applications mentioning the use of schedule 8 invasive plants or cherry laurel in order to discourage planting or control existing species on site.	To prevent introduction of invasives and/or control existing invasives on site.	Ongoing	DEFA: Ecosystem Policy Team.	Ongoing.	
33G	MWT to continue to monitor for marine invasive species and distribute their booklet on marine invasive species identification.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
33H	MWT to conduct an assessment of invasive non-native species in Douglas Harbour.		By end May 2022.	Manx Wildlife Trust	Complete.	
33I	MWT to support control of terrestrial non-native invasive species through the Agri-environment Scheme and partnership with Friends of the Neb.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
33J	MWT, via their consultancy work, to continue to advise on non-native invasive species avoidance and control.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
33K	MWT to monitor the recently established Barnacle Goose population.		Ongoing.	Manx Wildlife Trust	Ongoing.	
33L	Identify the potential threats to native bird life from non-native species, and propose possible solutions. Manx Bird Life to summarise where it's concerns lie.	Impact of alien species is now significant. Must troubleshoot potential problems early before it becomes difficult to act.	By end March 2022.	Manx Bird Life	In progress. Manx Bird Life position statement on non-native invasives to be produced.	

Action 34: Climate challenge actions: By 2020 identify species and habitats most likely to be or already affected by climate change and start implementing appropriate adaptation measures.

34A	Supporting visiting researcher in continuation of the long-term, annual intertidal monitoring programme, which has application to climate change indicators.	Continuity of baseline data set for application in areas such as climate change and marine biodiversity monitoring. This project also integrates with a similar programme in the UK, thereby providing linkages and collaboration opportunities.	Annually: August/September.	DEFA- supported. Conducted by Prof. Steve Hawkins (University of Southampton)	Ongoing	Green
34B	Undertake a botanical survey of Ramsey Mooragh Shore ASSI to assess the presence of rare species and if necessary instigate an action plan to prevent their loss in the event of further significant storm erosion.	To obtain an up to date species list for the ASSI to determine whether due to erosion the site is losing species diversity. To identify the location of rare species present on site and see whether they are at risk from erosion.	By end June 2022.	DEFA: Ecosystem Policy Team to ask MWT to do this as part of Rare Species Action Plan.	Complete.	Blue
Action 35: By 2025 ensure that no human activities contribute additional stress to vulnerable Island ecosystems already impacted by climate change or ocean acidification.						
35A	Future Fisheries Strategy takes into account harvesting of marine species and the sustainability of fisheries.	To promote sustainable fishery practices.	Ongoing	DEFA: Fisheries	Ongoing.	Green
Objective 7: Sustainability: By 2025, the Government will have ensured that policies are in place to promote the sustainable management of our land, freshwater and marine resources, including by means of traditional practices where these are compatible with biodiversity objectives, and taking due account of the need to conserve ecosystem services.						
Action 36: General sustainability actions: By the end of 2016 identify the local biodiversity which has economic, traditional or cultural value .						
36A	Issue a quick quote tender to identify a contractor to undertake a study to identify and assess the effect of foraging and to produce a foraging best practice code.	To assess the value (and possibly impact) of foraging to the Island.	By end March 2023.	DEFA: Ecosystem Policy Team.	Started but on hold.	Yellow
Action 37: Continue to adopt sustainable practices across government , keeping up-to-date with new developments.						
See also Island Plan action.						
Action 38: Practise and promote sustainability in the following ways: By the end of 2016 develop and start monitoring Biodiversity Indicators for each objective of the Biodiversity Strategy and from 2017 use these for reporting on the Island and contributing to the UK's National Reports.						
37A	Review Biodiversity Indicators report and take decision whether to use some/all of them (see Action 24). Look at how other Overseas Territories are reporting on indicators and the expectation for small islands to deliver the targets. Compile an updated list of regular monitoring that is being undertaken and display list and links to data on DEFA website.	To determine which indicators are appropriate, practical and affordable to set up. To identify and use appropriately any data sets already established and actively recording.	Ongoing.	DEFA: Ecosystem Policy Team.	In progress.	Yellow

Action 39: By 2017 evaluate the need for **Environmental Impact Assessments** for terrestrial and marine developments to be embodied in law and by 2020 put forward legislation if necessary.

39A	Use Environmental Constraints mapping (see Task 19) to identify 'biodiversity hotspots' on Manx Utilities land where we focus our attention. Develop Biodiversity Management Plans for those hotspots. Initial focus on land associated with water management (reservoirs and catchments).	To enable us to protect and improve biodiversity in selected areas and raise awareness amongst staff.	End March 2023	Manx Utilities	In progress – ongoing Progress made with identification of areas to focus wildlife initiatives: Ballure and Clypse & Kerrowdhoo.	
39B	Manx Utilities' Environmental Management System is being implemented in line with ISO 14001 Standard. See also Action 7.	To ensure that consideration of environmental aspects in embedded in business processes.	Ongoing process; anticipated 2024/5.	Manx Utilities	Ongoing/ on track Many practices already established but formalising them under an EMS still under development, which is a long term project.	
39C	MWT to continue to provide Preliminary Ecological Appraisals and Ecological Impact Assessments, along with details of protected species surveys and an Ecological Clerks of Works service for developments as part of their consultancy work.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	

Action 40: By 2020 promote **best practice and voluntary codes** to minimise impacts on the environment for all relevant land, freshwater and marine activities.

40A	Our EMS is being implemented in line with ISO 14001 Standard. See also Action 7.	To ensure that consideration of environmental aspects in embedded in business processes.	Ongoing process, anticipated 2024/5.	Manx Utilities	Ongoing/ on track Many practices already established but formalising them under an EMS still under development, which is a long term project.	
40B	Establish a Planning Guide to Sediment Control.	Increased pressure and abuses require improved education and information.	By December 2022	DEFA: Inland Fisheries & Environmental Protection Unit.	Not started	
40C	The Long Term Management Plan (LTMP) for scallops was launched recently and is expected to be the first in a series of Management Plans for commercial fishery species.	To establish a strategic plan for managing this commercial fisheries including objectives, time scales and implementation mechanisms.	Introduced May 2022; implementation ongoing.	DEFA Fisheries, Scallop Management Board, Bangor University	Ongoing, permanent	
40D	Introduction of voluntary fishery closures for fishery and marine environment conservation	to ensure that fishery depleted sites, fishery recruitment sites, or conservation-importance sites are appropriately protected.	Seasonal and as required	DEFA Fisheries, Scallop Management Board, MFPO, Bangor University	Ongoing, permanent	

40E	Formation of Commercial Fishery co-management and advisory organisations; eg. Scallop Management Board, Crab Management Advisory Committee.	To provide co-management and stakeholder engagement opportunities to improve fishery sustainability, thereby reducing impacts on the marine environment.	Quarterly or as required	DEFA Fisheries, Scallop Management Board, MFPO, Bangor University, Industry Stakeholders.	Ongoing, permanent	
40F	Code of Conduct for Anglers	Educate anglers on legislation and care of the fishery.		DEFA: Fisheries Team (Inland)	Ongoing, permanent	
40G	Summary Guide for Stream Management & Guidance for Issuing Section 18 consent	Educate developers and private works on fishery protection guidance and legislation.		DEFA: Fisheries Team (Inland)	Ongoing, permanent	
See also 39A.						
Action 41: By 2025 promote responsible and sustainable production and consumption , particularly as it benefits biodiversity here and worldwide, by providing information and advice on best practice, including sustainable procurement.						
41A	Sustainability Toolkit for Business to be launched by Biosphere Isle of Man.		By end July 2022.	DEFA: Ecosystem Policy Team	Complete	
41B	Sustainable Mann - as series of seminars for businesses to be re-run by Biosphere Isle of Man following success in 2021-22.		By end March 2023.	DEFA: Ecosystem Policy Team	Complete.	
Action 42: Marine management actions: By 2018 assess the viability of Marine Stewardship Council accreditation of all major Manx sea fisheries, with an aim of accreditation by 2020						
No current work is being undertaken to do MSC pre-assessments for any fisheries, and outwith the Biodiversity Strategy, there is no aim to achieve accreditation at present.						
Action 43: By 2025 demonstrate that all marine fishing activity and aquaculture , whether commercial or recreational, is sustainable based on the ecosystem approach (see Box 5).						

43A	<p>The Marine Conservation Society (MCS) Good Fish Guide Ratings: The MCS produces fisheries sustainability assessments for the British Isles, available as the Good Fish Guide, and which is the primary reference source for the majority of seafood retailers.</p> <p>The Island's fisheries have been poorly recognised in recent years, and engagement and data provision efforts by Fisheries Officers and Bangor University has resulted in significant improvements to our main fisheries ratings in the latest revision, recognising the fisheries management improvements achieved. Specifically, two new '3' ratings for crab and lobster, and improved ratings for king scallop (from 4.5 to 4) and queen scallop (from 5 to 3).</p>	To demonstrate, via a recognised process, that the sustainable management of the island's fisheries are improving.	By end April 2022	DEFA Fisheries Team (Sea)	<p>Ongoing In addition: DEFA has recently consulted on a draft Isle of Man Fisheries Statement (IOMFS), which commits to the 'ecosystem objective', defined as "(a) fishing activities are managed using an ecosystem-based approach so as to ensure that any negative impacts on marine ecosystems are minimised and, where possible, reversed; (b) incidental catches of sensitive species are minimised and, where possible, eliminated." The IOMFS will be delivered through long-term management plans for specific fisheries. The Long-term Management Plan for king scallops, which includes ecosystem considerations and actions, was approved and implemented in 2022.</p>	
43B	Cornaa Fish Farm improvement through stock reduction and better animal husbandry practices.	To improve sustainability to reduce energy costs, nutrient impact on the natural water course and reduction of chemical treatments on fish stocks.	By end of April 2022	DEFA Fisheries Team (Inland)	Complete	
43C	As Seasearch Co-ordinator, MWT to target surveys on areas with fishing activity and no fishing activity to inform future decision making, especially seagrass meadows.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
<p>Action 44: Land management actions: By 2020 complete and start implementing a sustainable forestry and woodland strategy for government land, acknowledging recognised sustainable management standards.</p>						
<p>Action 45: By 2020 complete and start implementing a sustainable uplands strategy, acknowledging recognised sustainable management standards for these habitats.</p>						
<p>Action 46: Traditional knowledge actions: By 2023 promote a greater understanding of importance and value of sustainable traditional practices of land, freshwater and sea use and management.</p>						

46A	MWT to continue to promote traditional agricultural management practices on their reserves, including traditional hay meadow management and willow coppicing where appropriate.		Ongoing, standing commitment.	Manx Wildlife Trust	Ongoing.	
46B	MWT to host orchid walk for farmers at Close Sartfield June 2022 to demonstrate importance of traditional farming practices.		21st June 2022	Manx Wildlife Trust	Complete	
46C	Green development practices promoted in water courses to contractors and developers. Use of willow and latticed weirs, biological barriers to stabilise banks, riparian strip management practices to reduce erosion and sediment mobilisation.		Ongoing - standing commitment	DEFA Fisheries (Inland)	Ongoing	