				Goal:	Facilitate su	istainable comm	ercial and recreational fish	neries					
P	Non-Spatial Objectives	Develop a licensing strub better reporting as it	relates to quotas a	nd bette		ent of fish stocks	DENR		2024				
	List of acronyms: MoHA – Ministry of Home Affairs, DENR – Department of Environment and Natural Resources, MRB - Marine Resources Board, CFC – Commercial Fisheries Council Priority – 1 – High, 2- Medium, 3 – Low												
F	Feedback that has been received during public consultations is detailed in the 'Comments' column next to the appropriate actions. Where feedback has already been incorporated, this is highlighted in the comments. Other pieces of feedback should be reviewed by the person responsible and incorporated into the action plan where possible (or the reason given for not including).												
ltem No.	Action Description	Responsible Department	Person Responsible	Start Date	Due Date	Required Resources	Output	Priority	Status	Comments			
	Create a Monitoring Strategy for the Marine Spatial Plan that incorporates fisheries and marine resources monitoring as detail in Section B, D and E.	DENR	Senior Marine Resources Officer & Senior Marine Conservation Officer	2023	2024	Consultant, Local Scientists	Strategy Document	1	Not yet started	A RFP will be issued to develop this Monitoring Plan			
Α	Licensing and management	of fishing activities refor	m										
A1	License recreational fishing activities and prioritise licensing of vessels	MoHA/DENR/MRB	Senior Marine Resources Officer	2021	2024	In house (Government)	Legislation	1	In progress	In order to incorporate feedback from the public consultations, recreational licences should also be used as an opportunity to raise awareness. They should be issued with material explaining the rules and the reasons for them.			
A2	Require recreational fishers to report their catch and effort	MoHA/DENR/MRB	Senior Marine Resources Officer	2021	2024	In house (Government)	Legislation	1	In progress	In order to incorporate feedback from public consultations, it is suggested that AIS be conditional with fishing license and automatic fine when AIS is turned off			
A3	Introduce bag limits for recreational fishers.	MoHA/DENR/MRB	Senior Marine Resources Officer	2021	2024	In house (Government)	Legislation	1	In progress				

tem No.	Action Description	Responsible Department	Person Responsible	Start Date	Due Date	Required Resources	Output	Priority	Status	Comments
	Review gear restrictions for the recreational fishery	MoHA/DENR/MRB	Senior Marine Resources Officer	2023	2024	In house (Government)	Legislation	1	•	In order to incorporate feedback from the public consultation, it is suggested that the cast net restrictions for recreational fishers in the Fisheries Regulations 2010 be determined by the mesh size. The maximum diameter be: (a) 10' for a cast net with mesh measuring less than 3/8 inch; and (b) at least 12', and preferably 16', for a cast net with mesh measuring 3/8 inch or larger. These rules would better match local gear supply and would make it easier for fishers to comply with the law.
A5	Review limited entry, vessel and gear restrictions to the commercial fishery	MoHA/DENR/MRB/CFC	Senior Marine Resources Officer	2023	2024	In house (Government)	Legislation	1	Not yet started	
A6	Determine feasibility of setting and managing catch limits/quotas for various fisheries	MoHA/DENR/MRB/CFC	Senior Marine Resources Officer	2024	2026	In house (Government)	Strategy	2	Not yet started	
A7	Encourage more cooperation from fishermen to participate in catch monitoring and sampling, potentially through agreements and/or legislation.	MoHA/DENR/MRB/CFC	Senior Marine Resources Officer	2023	2024	In house (Government)	Legislation	1	Not yet started	
A8	Compile information on local management of priority species and compare it to management measures used elsewhere in the west central Atlantic.	DENR	Senior Marine Resources Officer	2018		In house (Government)	Legislation	1	In progress	Information compiled for spiny lobster
A9	Conduct Management Strategy Evaluations (MSE) for priority species	DENR	Senior Marine Resources Officer	2025		Partners, Funds	Legislation	2	Not yet started	

ltem No.	Action Description	Responsible Department	Person Responsible	Start Date	Due Date	Required Resources	Output	Priority	Status	Comments
B1	Conduct an intensive month-long sampling programme using two strategies: selecting landing sites or selecting individual fishers to be surveyed	DENR/MRB/CFC	Senior Marine Resources Officer	2023	2023	Dedicated samplers	Additional staff; Data	1	Not yet started	In order to incorporate feedback from public consultations, it is suggested that observers be employed to help with catch assessments
B2	Develop a year long pilot sampling programme to capture seasonal changes	DENR/MRB/CFC	Senior Marine Resources Officer	2023	2024	Dedicated samplers	Additional staff; Data; Strategy	1	Not yet started	This action is dependent on the cooperation of fishers.
В3	Utilize results of pilot study in comparison to self- reported data to determine if a catch validation programme, and therefore output measures are feasible.	DENR/MRB/CFC	Senior Marine Resources Officer	2025	2026	In house (Government)	Data; Strategy	2	Not yet started	
B4	Using previous results, and logistical considerations, develop and implement an efficient long term statistically sound sampling programme	DENR/MRB/CFC	Senior Marine Resources Officer	2025	2026	Dedicated samplers	Additional staff; Strategy; Data	2	Not yet started	
B5	Examine the feasibility of technological solutions for monitoring and tracing catches e.g. Shellcatch	DENR/MRB/CFC	Senior Marine Resources Officer	2020	2025	TBD	Strategy; Data	1	In progress	In order to incorporate feedback from public consultation, it suggested that fishers use technology to supply data.
С	Improving the catch report	ing system								
	Commercial Reporting									
C1	Conduct a series of orientation presentations for new commercial fishers	DENR	Senior Marine Resources Officer	2018	Ongoing	In house (Government)	Various delivery methods	1	In progress	
C2	Develop a "best practices" reporting guide for commercial fishers	DENR	Senior Marine Resources Officer	2018	Complete d	In house (Government)	Publication	2	Completed	Have guides for both online reporting and for paper report

ltem No.	Action Description	Responsible Department	Person Responsible	Start Date	Due Date	Required Resources	Output	Priority	Status	Comments
C3	Conduct training sessions on how to use the online reporting database (commercial fishers)	DENR	Senior Marine Resources Officer	2018	Ongoing	In house (Government)	Training	2	In progress	
C4	Develop a species identification guide that includes common names that are used locally	DENR	Senior Marine Resources Officer	2024	TBD	Students	Publication	2	Not yet started	
C5	Improve the level of detail in self-reported data collected from the commercial fishery	DENR	Senior Marine Resources Officer	2023	2024	In house (Government)	AIS on vessels	1	Partially completed, In progress	In order to incorporate feedback from public consultations, it is suggested that AIS be conditional with fishing license and automatic fine when AIS is turned off
	Recreational Reporting									
C6	Develop a "best practices" reporting guide for licensed recreational fishers.	DENR	Senior Marine Resources Officer	2024	2025	In house (Government)	Publication	2	Not yet started	
С7	Conduct training sessions on how to use the online reporting database (recreational fishers).	DENR	Senior Marine Resources Officer	2024	TBD	In house (Government)	Training	2	Not yet started	
C8	Provide educational material through the licensing process to raise awareness about fisheries legislation.	DENR	Senior Marine Resources Officer	2024	TBD	In house (Government)	Publication	2	Not yet started	
С9	Develop and distribute educational material to raise awareness among shoreline fishers about fisheries legislation.	DENR	Senior Marine Resources Officer	2024	TBD	In house (Government)	Publication, signage	2	In progress	
D	Stock Assessments									

ltem No.	Action Description	Responsible Department	Person Responsible	Start Date	Due Date	Required Resources	Output	Priority	Status	Comments
D1	Review and document the method of acquisition for all existing marine resources data, starting with priority fishery species, then conduct a quality control and evaluation exercise	DENR	Senior Marine Resources Officer	2018	2024	Students	Data	1	In progress	Data evaluation conducted for spiny lobster
D2	Compile a database of fishery biology parameters for priority fishery target species.	DENR	Senior Marine Resources Officer	2018	2024	Students	Data	1	In progress	Information compiled for spiny lobster and red hind
D3	Collect length frequency data on landed fish to monitor changes and detect trends in size structure and/or changes in recruitment to the fishery.	DENR	Senior Marine Resources Officer	1990s	Ongoing	Dedicated samplers	Additional staff; Data	1	In progress	Collecting length data on spiny lobster, red hind and black grouper
D4	Assess the reproductive status of specimens measured for mean length analysis to evaluate the proportion of mature fish in the landed catch	DENR	Senior Marine Resources Officer	2024	Ongoing	Dedicated samplers	Additional staff; Data	1	Not yet started	Dependent on corporation from fishers and recruiting dedicate samplers.
D5	Collect otoliths for age- growth studies and reproductive organs for maturity studies from a subset of fish	DENR	Senior Marine Resources Officer	2024	Ongoing	Dedicated samplers	Additional staff; Data	1	Not yet started	Dependent on cooperation from fishers and recruiting dedicate samplers.
D6	Process otoliths for age- growth studies and reproductive organs for maturity studies (if visual examination is not adequate)	DENR	Senior Marine Resources Officer	2024	Ongoing	Technician or Partners, Funding	Additional Staff or Contracts	1	Not yet started	Dependent on obtaining funds and technician or partners.

ltem No.	Action Description	Responsible Department	Person Responsible	Start Date	Due Date	Required Resources	Output	Priority	Status	Comments
D7	Estimate and monitor changes in mortality rates annually using above data.	DENR	Senior Marine Resources Officer	2026	Annually	In house (Government)	Assessments	2	Not yet started	Dependent on successfully obtaining data in actions D1-D6
	Conduct seasonal surveys for fishery-dependent data, including catch size (abundance), and individual length and weight in areas adjacent and nonadjacent to fully protected areas, using logbook data from fishers and/or targeted experimental fishing	DENR	Senior Marine Resources Officer	2025	Annually	Dedicated samplers	Additional staff; Data	2	Not yet started	
D9	Conduct lobster puerlus study to estimate abundance of post larval lobsters	DENR	Senior Marine Resources Officer	2023	2023	Student or technician, funding	Additional staff	1	Not yet started	
	Use higher level stock assessment models to assess priority species	DENR	Senior Marine Resources Officer	2021	Ongoing	Partners, Funds	Contracts; Assessments	1	In progress	
Е	Marine Resources Monitor	ing								
E1	Annual fishery- independent monitoring of fish diversity (finfish and shellfish diversity), abundance and biomass for 10 years in fully protected areas, highly protected areas and comparable unprotected 'control' areas during the same season:	DENR	Senior Marine Resources Officer	2024	TBD	Partners, Funds	Contracts	1	Not yet started	In order to incorporate feedback from consultations, it is suggested that local scientists develop and manage this plan a that the BOPP Science Committee approve the final monitorir plan.
E2	Regular / annual fishery- independent surveys for lobsters and other selected shellfish species.	DENR	Senior Marine Resources Officer	2024	TBD	Partners, Funds	Contracts	1	Not yet started	As above

Item No.	Action Description	Responsible Department	Person Responsible	Start Date	Due Date	Required Resources	Output	Priority	Status	Comments
E3	Towed video transect surveys and diver-based video transect surveys, as dictated by depth, to evaluate coral community structure and health at reef MPAs and control sites.	DENR	Senior Marine Conservation Officer	2024	TBD	Partners, Funds	Contracts	1	Not yet started	As above
E4	Diver-based surveys of seagrass and associated benthic habitats from shore across the lagoon to the rim reef, following established protocols.	DENR	Senior Marine Conservation Officer	2024	TBD	Partners, Funds	Contracts	1	Not yet started	As above
E5	BRUVs method calibrated against previous surveys conducted (e.g. stationary video (unbaited), Bohnsack and Bannerot cylinder method, AGRRA method, roving diver method)	DENR	Senior Marine Resources Officer & Senior Marine Conservation Officer	2025	TBD	Partners, Funds	Contracts	2	Not yet started	As above
E6	BRUVs fish surveys conducted during a minimum of two seasons per year, with the same seasons repeated annually	DENR	Senior Marine Resources Officer	2025	TBD	Partners, Funds	Contracts	2	Not yet started	As above
	Monitor the above metrics in areas directly adjacent to fully protected areas to A) examine and compare fisheries abundance, biomass, and diversity inside and outside protected areas, and B) quantify spillover and ecosystem health	DENR	Senior Marine Conservation Officer	2025	TBD	Partners, Funds	Contracts	2	Not yet started	As above