

Capacity Assessment Report

This report consolidates information gathered under the NOAA Cooperative Agreement *Building Sustainable Coral Reef Monitoring and Management Capacity for the Micronesia Challenge and Beyond* agreement no: NA11NOS4820011.

Summary Report:

To assess the current capacity needs of those monitoring/managing corals reefs and marine protected areas in Micronesia and whose activities are currently being funded by the NOAA cooperative agreement; MCT developed a capacity needs checklist. The checklist assesses the organization or agency's capacity to monitor, enforce and effectively manage MPAs in their state or country. Although the above-mentioned activities are carried out differently in each place, the checklist coupled with other assessments done will help guide the prioritization of filling capacity needs in the region.

Overall the monitoring programs in each state or region had either adequate or sufficient capacity to monitoring their MPAs. In Palau, for example, PICRC has the capacity to monitoring the MPAs they are currently working with, however not all the MPAs in Palau have government agencies or NGOs with the capacity to monitor and manage their respective MPAs. Capacity for enforcement of MPAs varied, however, all completed checklists sited a need for improved enforcement. Equipment needs were also highly variable among the jurisdictions. The majority of the monitoring teams completing the survey lacked dive management plans, cpr and other dive safety related training.

See below for the following full assessments:

- Yap Marine Monitoring Capacity Needs Assessment
- Marshall Islands Marine Resources Authority Capacity Needs Assessment
- Pohnpei Marine Monitoring Capacity Needs Assessment
- Palau International Coral Reef Center Capacity Needs Assessment
- Kosrae Marine Monitoring Capacity Needs Assessment
- Chuuk Marine Monitoring Capacity Needs Assessment

Yap Marine Monitoring Capacity Needs Assessment

MCT Conservation Program Coral Reef Management and Monitoring Capacity Needs

The monitoring capacity needs exercise can be run by any member of the staff. Take each statement of capacity area and agree on a score based on what actually happens or available, not what is suppose to happen or will be available. The score available are 3,2,1 and 0 only.

- 3- our capacity is sufficient
- 2- close to 3 but not quite
- 1- close to 0 but not that poor
- 0- No capacity at all or this is not in place

If you cannot give yourself a clear cut 3 or 0, you need to decide which one you are closer to. Right the score for each statement and add up the total for each section and transfer it into the score interpretation table to get your grant total. Then interpret your score using the guidance given.

Note: MPA means Marine Protected Area. It also means a protected area(s) you manage or a network of protected areas.

If you score a 1 or 0 please explain in the comment section what is preventing your agency from achieving a higher score/ having higher capacity.

Enjoy!!!!

Agency/Organization: Yap Community Action Program (Yap CAP)

Date: 02/06/2012

Primary Contact (name, email): Vanessa Fread, freadv_yapcap@mail.fm and freadv@yahoo.com

1)Public education, communication & awareness		Your Score	Your comment
All Staff can effectively communicate importance of MPA and MPA networks to communities	3		
Most of the staff effectively communicate importance of MPA and MPA networks to communities	2	2	
Part of the staff effectively communicate importance of MPA and MPA networks to communities	1		
The staff is unable to effectively communicate importance of MPA and MPA networks to communities	0		
total		2	
2) Socio-economic Information			
Staff use available socio-economic monitoring information to support planning and management.	3		
Staff know how to use some socio-economic monitoring information to support planning and management.	2		
Staff have limited knowledge of how to use socio-economic monitoring information to support planning and management.	1	1	Only 1 staff on the team is familiar with Socio-economic monitoring and is trained in obtaining this information and using it

			to support planning and management. Training and capacity training is needed in this area.
Staff do not know how to use socio-economic monitoring information to support planning and management.	0		
Total		1	
Staff use socio-economic monitoring information for effective decision-making.	3		
Staff know how to use socio-economic monitoring information is used for effective decision-making.	2		
Staff have limited knowledge of how to use socio-economic monitoring information but it is rarely used for decision-making.	1	1	Only 1 staff on the team is familiar with Socio-economic monitoring and is trained in obtaining this information and using it to support planning and management. Training and capacity training is needed in this area.
There is little or no socio-economic monitoring information base and the staff do not know how to use the information for decision-making	0		
Total		1	
Agency is capable of conducting socio-economic monitoring and information is updated regularly.	3		
Agency is capable of conducting socio-economic monitoring and information is updated sometimes.	2		
Agency has some knowledge on conducting socio-economic monitoring but information is rarely updated.	1	1	Only 1 staff on the team is familiar with Socio-economic monitoring and is trained in obtaining this information and using it to support planning and management. Since only 1 staff is trained it is difficult to keep Socio-economic information updated on a regular basis. Training and capacity training is needed in this area.
Agency doesn't know how to conduct socio-economic monitoring and information is never updated	0		
Total		1	
A good monitoring and evaluation system exists, with progress against most if not all the objectives of the MPA network are being monitored regularly and objectively, with the results being widely disseminated and used in adaptive management.	3		
There is an agreed and implemented monitoring program, and progress against some of the objectives of the MPA network is objectively monitored periodically, with the results publicly	2	2	Only one site (Ngulu Atoll MMA) has undergone a socio-

available and/or used in adaptive management.			economic assessment and the information has been used to assist management of the site and community outreach. Other MPA sites on Yap need to have a Socio-economic assessment done. There is no management program in place yet.
There is some ad hoc monitoring and progress against at least one of the objectives of the MPA network has been monitored and/or publicly reported.	1		
Progress against the objectives of the MPA network is rarely monitored AND no assessment of MPA effectiveness has ever occurred or been reported	0		
Total		2	
3) Biological Monitoring Information			
Staff use available biological monitoring information to support planning and management.	3		
Staff know how to use biological monitoring information to support planning and management.	2	2	
Staff have limited knowledge of how to use biological monitoring information to support planning and management.	1		
Staff do not know how to use biological monitoring information base to support planning and management.	0		
Total		2	
All available biological monitoring information is used for effective decision-making.	3		
There is some biological monitoring information is used for effective decision-making.	2	2	
There is limited biological monitoring information but it is rarely used for decision-making.	1		
There is little or no biological monitoring information base but the available information is not used for decision-making	0		
Total		2	
All available biological monitoring information is regularly updated.	3	3	
All available biological monitoring information is sometimes updated.	2		
All available biological monitoring information is rarely updated.	1		
All available biological monitoring information is never updated	0		
Total		3	
4) Boundaries			
Clearly defined (in the water and on signs/in law) boundaries and zones and information on boundary locations and permitted activities in various zones provided to public and MPA stakeholders	3		
Clearly defined boundaries and/or zones on signs and in law, but not in the water	2		
Lack of clearly defined boundaries and/or zones in the water and on signs or in law	1	1	Ngulu has well defined boundaries in its management plan, but

			due to lack of funding and remoteness, we have not been able to put out signs or buoys. MPAs on Yap Proper have been demarcated by buoys and we are working on the signs.
No information about boundaries and zones available	0		
Total		1	
5) Resilience			
Network is designed to increase resilience of coral reef resources to the effects of climate change and management includes actions necessary to avoid or minimize impacts and spread the risk due to climate change	3		
Much consideration of climate change resilience was given to the design or establishment of the MPA Network	2	2	
Little consideration of climate change resilience was given to the design or establishment of the MPA Network	1		
Agency does not have the knowledge or training to consider climate change resilience in the design or establishment of the MPA Network	0		
Total		2	
6) Precautionary design			
Your MPA network is configured to take into consideration all or most of the known threats occurring within the wider area.	3		
Your MPA network considers several of the known threats occurring within the wider area.	2	2	
Your MPA network considers a couple of the known threats occurring within the wider area.	1		
Your agency lacks the knowledge to address known threats in MPA network design.	0		
Total		2	
7) Stakeholder participation			
Your Organization's staff has much (5 years experience) capacity to facilitate community management planning activities to develop management plans.	3		
Your Organization's staff has a little (2-3 years experience) capacity to facilitate community management planning activities to develop management plans.	2	2	
Your Organization's staff has poor (1 year experience) capacity to facilitate community management planning activities to develop management plans.	1		
Your Organization's staff has no (0 years experience) capacity to facilitate community management planning activities to develop management plans.	0		
Total		2	
8) Political will & leadership			
There is clear and effective leadership, commitment and support at both the political level, with a shared vision and capacity to achieve success.	3		
There is clear or effective leadership the political agency level, but	2	2	

only some limited capacity to implement the necessary strategies.			
The agency lacks the capacity to garner leadership, commitment and support at the political level and there is inadequate capacity to implement the necessary strategies.	1		
The agency lacks the capacity to garner leadership, commitment and support at the political levels so there is clear and effective leadership or commitment at either the political, and no shared vision or capacity for success.	0		
Total	2		
9)Clearly defined objectives			
There is a range of S.M.A.R.T.(Specific, measureable, achievable, realistic, and time bound) objectives (including ecological, social and economic objectives) defined for the MPA network and derived from the legislation;	3		
There are various objectives for the MPA network which are clear, achievable and measurable; addressing at least two of the relevant aspects in the necessary range (ie. ecological, social or economic objectives);	2	2	In terms of a MPA network, we are still at the developmental stages in Yap. We have objectives for long term monitoring which we are already implementing, but need to improve our program/network to address more issues.
There are some objectives for the MPA network; but only one or two can be considered as clear, achievable and measurable; AND your objectives do not address the necessary range (ie. ecological, social and economic objectives).	1		
There are no clear objectives for your MPA network.	0		
Total	2		
10)Permanence			
Your MPA network has the backing of an efficient combination of legislative instruments (eg statutes, laws, regulations) and administrative instruments (eg policies) at various levels (local/state/national) that collectively provide long-term protection for the MPA network and ensure its viability.	3		
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies), that collectively assist in protecting the MPA network.	2	2	Because we lack legislation supporting the establishment of MPAs in Yap and waters are privately owned, communities are using traditional ownership rights to establish their MPAs.
Your MPA network has some backing by way of legislative instruments (eg statutes, laws, regulations) or administrative instruments (eg policies), but some of these may be varied by governments and/or ignored by officials.	1		
Your MPA network has little or no backing by way of any legislative instruments or administrative instruments, and its viability may be affected by any adverse activities occurring either within, or adjacent to, the area.	0		
Total	2		

11)Compliance & Enforcement			
A survey or other effective means indicates that over 75% of all your MPA users are aware of, understand, and comply with the regulations.	3		
Realistic estimates indicate that between 50-75% of all your MPA users are aware of, understand, and comply with the regulations.	2	2	
Realistic estimates indicate that between 25-50% of all your MPA users are aware of, understand, and comply with the regulations.	1		
Less than 25% of all your MPA users are aware of, understand, and comply with the regulations.	0		
Total		2	
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations	3		
Dedicated but uncompensated enforcement personal who actively and consistently enforcement of rules and regulations	2	2	
Inconsistent enforcement of rules and regulations	1		
Few or no established rules and regulations exist or there is little or no enforcement of existing rules and regulations	0		
Total		2	
12)Adaptive management			
A MPA network decision making body regularly(at least annually) reviews and analyzes information from biological and socio-economic monitoring and or other forms of research and training as they become available and has made changes to the management of the MPA network as a result of this information	3		
A MPA network decision making body has reviewed monitoring data and other research, but has not used the information to make adaptive management decisions.	2	2	Not all sites are at this stage yet.
Your MPA network does not have management systems nor any monitoring arrangements to determine system responses and provide a basis for adaptive management; NOR is it able to incorporate changes such as new information becoming available. An adaptive management is in place but there is no transfer of monitoring or research information to the MPA Network decision body so that they can make adaptive management decisions.	1		
Your MPA network has effective management systems that implement policies (ie specifying locally appropriate actions), as well as monitoring arrangements to determine system responses and provide a sound basis for adaptive management. No adaptive management system is in place	0		
Total		2	
13)Institutional & governance considerations			
Your MPA network has well established mechanisms for the vertical integration between all levels of government (eg. national, state and local), and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous people and regional groups.	3		
Your MPA network has some mechanisms for the vertical integration between different levels of government, and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous peoples and regional groups.	2	2	MPAs are community-based so the communities are very much involved and are in control of their sites. We still need to improve our local interagency and

			organizational collaboration to better assist communities.
Your MPA network has some legislative and administrative arrangements, but these do not provide both effective vertical integration between different levels of government, and horizontal integration among agencies.	1		
Your MPA network has little or no mechanisms for the vertical integration between different levels of government, nor for any horizontal integration among agencies with different mandates.	0		
Total	2		
14)Connectivity			
Your MPA network has been purposefully designed to maximize all or most of the known ecological processes (spatial and/or temporal) known to occur in the area*	3		
Your MPA network was purposefully designed and does consider some of the known ecological processes (spatial and/or temporal) known to occur in the area*	2	2	More work needs to be done in this area for Yap as a whole.
Your MPA network was purposefully designed and does consider a few (one or more) of the known ecological processes (spatial and/or temporal) known to occur in the area*	1		
The design of your MPA network took little or no account of any known ecological processes known to occur in the area	0		
Total	2		
15)Sustainable financing			
Your MPA network has a well-developed and periodically audited program of long-term funding (assessed, and if necessary, increased against a recognized financial index) in order to meet both core costs and emerging issues.	3		
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.	2		
Your MPA network has poor and spasmodic program of long-term funding to meet core costs, and is sometimes able to seek funding for emerging issues.	1	1	We have funding for coral reef monitoring at the sites, but not really for MPA activities and management. We need to work on that and develop a sustainable funding plan for each site as well as secure funding.
Your MPA network does not have a well-developed or periodically audited program of long-term funding.	0		
Total	1		
16)Human Resources			
Your MPA has extraordinary full-time site manager and programmatic personnel assigned to site or local community based management leader in place that has been formally designated and accepted and is able to dedicate sufficient time to the management of the site	3		
Your MPA has adequate management personnel assigned to site or some formalized community oversight	2		
Your MPA has inadequate management personnel assigned to site and/or very little formalized community oversight	1	1	Most sites are still working on this – mostly volunteers as well as

			management committees. Need funding for site staff
Your MPA has no management personnel assigned to site and or no formalized community oversight	0		
Total		1	
17)Equipment capacity			
Your MPA has all necessary equipment to carry out biophysical monitoring activities and the equipment is well maintained	3		
Your MPA has most of the necessary equipment to carry out biophysical monitoring activities	2	2	We have the equipment needed to carry-out biophysical surveys, but we would have to assist communities if they were to conduct such monitoring.
Your MPA has some equipment to carry out biophysical monitoring activities	1		
Your MPA has no or inadequate equipment to carry out biophysical monitoring activities	0		
Total		2	
Your MPA has all necessary equipment to carry out socio-economic monitoring activities	3		
Your MPA has most of the equipment to carry out socio-economic monitoring activities	2	2	We have the equipment needed to carry-out SE surveys, but we would have to assist communities if they were to conduct such monitoring.
Your MPA has some equipment to carry out socio-economic monitoring activities	1		
Your MPA has no or inadequate equipment to carry out socio-economic monitoring activities	0		
Total		2	
Total Score:			
Please check off what you have and note what you need in the lines provided			
Management Planning Tools			
Community Action Planning Training		X	Have some, but need more
Maradi (software and understanding)		X	Have some, but need more
Climate Change Adaptation incorporated into management planning		X	Have done, but need to do more and improve
Equipment			
o Boat and fuel and budget for fuel and maintenance		X	For Coral Reef Monitoring Program – we have for now, but MPA sites not all have these equipment
o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, compass, tanks, compressor, dive tables, first and CRP kits, O2 kits		X	Have essential equipment to conduct monitoring, but need to

		improve upon what we have
o gear maintenance plan	X	Very limited and need to improve
o survey gear-tape measures, or rope, cameras and housings	X	
o safety gear-radios, safety sausages, noise makers, flares	X	Have some, but need more
Trainings:		
o Scuba-advanced or scientific, nitrox	X	Not all members of the team are advance SCUBA certified, so would need all to be advance certified for safety
o Dive planning for repetitive dives and dive tables,	X	We have plan, but
o safety	X	Having training in safety would be good
o dive accident management-(where is the closest hyperbaric chamber?)	X	Be part of safety training
o first and CRP	<input type="checkbox"/>	Need training
o Oxygen administration	<input type="checkbox"/>	Need training
o Identification-fish, algae and inverts, including coral(ideally to the species level)	<input type="checkbox"/>	Have some, but need refresher for team and new members
o Data recording	X	
o Data entry-excel and or access	X	Need more computers
o Data and statistical analysis, including creating graphs	<input type="checkbox"/>	Have some but need more training
o Comparative analysis and evaluation for comparing sites	<input type="checkbox"/>	Limited need more training
o Report writing and presenting results	<input type="checkbox"/>	Have some but need training for other members of team to contribute to this
Enforcement Capacity (Type)		
o Community	X	Limited and need more as new sites are being established by communities
o Government Agency	<input type="checkbox"/>	
Enforcement needs/others:		
Funding for stipends and supplies		
Need equipment to assist communities with regular Enforcement.		
Transportation (boat and fuel)		

Pohnpei Marine Monitoring Capacity Needs Assessment

MCT Conservation Program Coral Reef Management and Monitoring Capacity Needs

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- 1- close to 0 but not that poor
- 0- No capacity at all or this is not in place

If you cannot give yourself a clear cut 3 or 0, you need to decide which one you are closer to. Right the score for each statement and add up the total for each section and transfer it into the score interpretation table to get your grant total. Then interpret your score using the guidance given.

Note: MPA means Marine Protected Area. It also means a protected area(s) you manage or a network of protected areas.

If you score a 1 or 0 please explain in the comment section what is preventing your agency from achieving a higher score/ having higher capacity.

Enjoy!!!!

Agency/Organization: CSP

Date: February 7, 2012

Primary Contact (name, email): Eugene Joseph cspdiretor@serehd.org

1)Public education, communication & awareness		Your Score	Your comment
All Staff can effectively communicate importance of MPA and MPA networks to communities	3	3	CSP, Division of Marine Conservation, Office of Fisheries and Aquaculture have been conducting monitoring and outreach since 2002.
Most of the staff effectively communicate importance of MPA and MPA networks to communities	2		
Part of the staff effectively communicate importance of MPA and MPA networks to communities	1		
The staff is unable to effectively communicate importance of MPA and MPA networks to communities	0		
total		3	
2) Socio-economic Information			
Staff use available socio-economic monitoring information to support planning and management.	3	3	Team has successfully conducted socio-economic monitoring using SocMon and several adhoc surveys since 2005.
Staff know how to use some socio-economic monitoring information	2		

to support planning and management.			
Staff have limited knowledge of how to use socio-economic monitoring information to support planning and management.	1		
Staff do not know how to use socio-economic monitoring information to support planning and management.	0		
Total	3		
Staff use socio-economic monitoring information for effective decision-making.	3		
Staff know how to use socio-economic monitoring information is used for effective decision-making.	2		
Staff have limited knowledge of how to use socio-economic monitoring information but it is rarely used for decision-making.	1	1	Lack analysis skills.
There is little or no socio-economic monitoring information base and the staff do not know how to use the information for decision-making	0		
Total	1		
Agency is capable of conducting socio-economic monitoring and information is updated regularly.	3		
Agency is capable of conducting socio-economic monitoring and information is updated sometimes.	2		
Agency has some knowledge on conducting socio-economic monitoring but information is rarely updated.	1	1	Requires outside assistance on survey designs.
Agency doesn't know how to conduct socio-economic monitoring and information is never updated	0		
Total	1		
A good monitoring and evaluation system exists, with progress against most if not all the objectives of the MPA network are being monitored regularly and objectively, with the results being widely disseminated and used in adaptive management.	3		
There is an agreed and implemented monitoring program, and progress against some of the objectives of the MPA network is objectively monitored periodically, with the results publicly available and/or used in adaptive management.	2		
There is some ad hoc monitoring and progress against at least one of the objectives of the MPA network has been monitored and/or publicly reported.	1	1	Ad hoc fish market and perception surveys are conducted
Progress against the objectives of the MPA network is rarely monitored AND no assessment of MPA effectiveness has ever occurred or been reported	0		
Total	1		
3) Biological Monitoring Information			
Staff use available biological monitoring information to support planning and management.	3		
Staff know how to use biological monitoring information to support planning and management.	2	2	Good monitoring plan in place.
Staff have limited knowledge of how to use biological monitoring information to support planning and management.	1		
Staff do not know how to use biological monitoring information base to support planning and management.	0		
Total	2		
All available biological monitoring information is used for effective decision-making.	3		

There is some biological monitoring information is used for effective decision-making.	2	2	2 sets of monitoring programs (MPA effectiveness and general coral reef status monitoring).
There is limited biological monitoring information but it is rarely used for decision-making.	1		
There is little or no biological monitoring information base but the available information is not used for decision-making	0		
Total		2	
All available biological monitoring information is regularly updated.	3	3	Currently added long swim method to cover important species that were not found in belt transect.
All available biological monitoring information is sometimes updated.	2		
All available biological monitoring information is rarely updated.	1		
All available biological monitoring information is never updated	0		
Total		3	
4)Boundaries			
Clearly defined (in the water and on signs/in law) boundaries and zones and information on boundary locations and permitted activities in various zones provided to public and MPA stakeholders	3	3	All MPAs have markers and buoys marking boundaries.
Clearly defined boundaries and/or zones on signs and in law, but not in the water	2		
Lack of clearly defined boundaries and/or zones in the water and on signs or in law	1		
No information about boundaries and zones available	0		
Total		3	
5)Resilience			
Network is designed to increase resilience of coral reef resources to the effects of climate change and management includes actions necessary to avoid or minimize impacts and spread the risk due to climate change	3		
Much consideration of climate change resilience was given to the design or establishment of the MPA Network	2	2	Monitoring protocol and methods does include CC.
Little consideration of climate change resilience was given to the design or establishment of the MPA Network	1		
Agency does not have the knowledge or training to consider climate change resilience in the design or establishment of the MPA Network	0		
Total		2	
6)Precautionary design			
Your MPA network is configured to take into consideration all or most of the known threats occurring within the wider area.	3		
Your MPA network considers several of the known threats occurring within the wider area.	2	2	Some MPAs are within close proximity to developments. i.e, Sapwitik MPA is about 200km to airport extension project area.

Your MPA network considers a couple of the known threats occurring within the wider area.	1		
Your agency lacks the knowledge to address known threats in MPA network design.	0		
Total	2		
7)Stakeholder participation			
Your Organization's staff has much (5 years experience) capacity to facilitate community management planning activities to develop management plans.	3		
Your Organization's staff has a little (2-3 years experience) capacity to facilitate community management planning activities to develop management plans.	2	2	Staff has been trained and currently conducting management planning exercises with communities.
Your Organization's staff has poor (1 year experience) capacity to facilitate community management planning activities to develop management plans.	1		
Your Organization's staff has no (0 years experience) capacity to facilitate community management planning activities to develop management plans.	0		
Total	2		
8)Political will & leadership			
There is clear and effective leadership, commitment and support at both the political level, with a shared vision and capacity to achieve success.	3		
There is clear or effective leadership the political agency level, but only some limited capacity to implement the necessary strategies.	2	2	Leadership is supportive but process takes time.
The agency lacks the capacity to garner leadership, commitment and support at the political level and there is inadequate capacity to implement the necessary strategies.	1		
The agency lacks the capacity to garner leadership, commitment and support at the political levels so there is clear and effective leadership or commitment at either the political, and no shared vision or capacity for success.	0		
Total	2		
9)Clearly defined objectives			
There is a range of S.M.A.R.T.(Specific, measureable, achievable, realistic, and time bound) objectives (including ecological, social and economic objectives) defined for the MPA network and derived from the legislation;	3	3	All plans are created using SMART objectives.
There are various objectives for the MPA network which are clear, achievable and measurable; addressing at least two of the relevant aspects in the necessary range (ie. ecological, social or economic objectives);	2		
There are some objectives for the MPA network; but only one or two can be considered as clear, achievable and measurable; AND your objectives do not address the necessary range (ie. ecological, social and economic objectives).	1		
There are no clear objectives for your MPA network.	0		
Total	3		
10)Permanence			
Your MPA network has the backing of an efficient combination of legislative instruments (eg statutes, laws, regulations) and	3		

administrative instruments (eg policies) at various levels (local/state/national) that collectively provide long-term protection for the MPA network and ensure its viability.			
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies), that collectively assist in protecting the MPA network.	2		
Your MPA network has some backing by way of legislative instruments (eg statutes, laws, regulations) or administrative instruments (eg policies), but some of these may be varied by governments and/or ignored by officials.	1	1	2 out of 5 local governments have ordinances to support state-wide MPA regulations and policies.
Your MPA network has little or no backing by way of any legislative instruments or administrative instruments, and its viability may be affected by any adverse activities occurring either within, or adjacent to, the area.	0		
Total		1	
11) Compliance & Enforcement			
A survey or other effective means indicates that over 75% of all your MPA users are aware of, understand, and comply with the regulations.	3		
Realistic estimates indicate that between 50-75% of all your MPA users are aware of, understand, and comply with the regulations.	2	2	Users are aware that MPAs are strictly no-take.
Realistic estimates indicate that between 25-50% of all your MPA users are aware of, understand, and comply with the regulations.	1		
Less than 25% of all your MPA users are aware of, understand, and comply with the regulations.	0		
Total		2	
Dedicated and compensated enforcement personnel who actively and consistently enforce rules and regulations	3		
Dedicated but uncompensated enforcement personnel who actively and consistently enforce rules and regulations	2	2	Deputized agency (Fish and Wildlife) are actively working with community volunteers that are consistently enforcing MPAs.
Inconsistent enforcement of rules and regulations	1		
Few or no established rules and regulations exist or there is little or no enforcement of existing rules and regulations	0		
Total		2	
12) Adaptive management			
A MPA network decision making body regularly (at least annually) reviews and analyzes information from biological and socio-economic monitoring and or other forms of research and training as they become available and has made changes to the management of the MPA network as a result of this information	3		
A MPA network decision making body has reviewed monitoring data and other research, but has not used the information to make adaptive management decisions.	2	2	Annual MPA cross-site visits are conducted to revisit management effectiveness with communities and partner agencies.
Your MPA network does not have management systems nor any monitoring arrangements to determine system responses and	1		

provide a basis for adaptive management; NOR is it able to incorporate changes such as new information becoming available. An adaptive management is in place but there is no transfer of monitoring or research information to the MPA Network decision body so that they can make adaptive management decisions.			
Your MPA network has effective management systems that implement policies (ie specifying locally appropriate actions), as well as monitoring arrangements to determine system responses and provide a sound basis for adaptive management. No adaptive management system is in place	0		
Total	2		
13)Institutional & governance considerations			
Your MPA network has well established mechanisms for the vertical integration between all levels of government (eg. national, state and local), and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous people and regional groups.	3		
Your MPA network has some mechanisms for the vertical integration between different levels of government, and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous peoples and regional groups.	2		
Your MPA network has some legislative and administrative arrangements, but these do not provide both effective vertical integration between different levels of government, and horizontal integration among agencies.	1	1	Arrangements are done through government protocols, which are very slow.
Your MPA network has little or no mechanisms for the vertical integration between different levels of government, nor for any horizontal integration among agencies with different mandates.	0		
Total	1		
14)Connectivity			
Your MPA network has been purposefully designed to maximize all or most of the known ecological processes (spatial and/or temporal) known to occur in the area*	3		
Your MPA network was purposefully designed and does consider some of the known ecological processes (spatial and/or temporal) known to occur in the area*	2	2	MPAs are designed based on both traditional knowledge and biological/science surveys.
Your MPA network was purposefully designed and does consider a few (one or more) of the known ecological processes (spatial and/or temporal) known to occur in the area*	1		
The design of your MPA network took little or no account of any known ecological processes known to occur in the area	0		
Total	2		
15)Sustainable financing			
Your MPA network has a well-developed and periodically audited program of long-term funding (assessed, and if necessary, increased against a recognized financial index) in order to meet both core costs and emerging issues.	3		
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.	2	2	CSP is actively conducting fundraising efforts to support long-term monitoring

			program.
Your MPA network has poor and spasmodic program of long-term funding to meet core costs, and is sometimes able to seek funding for emerging issues.	1		
Your MPA network does not have a well-developed or periodically audited program of long-term funding.	0		
Total		2	
16) Human Resources			
Your MPA has extraordinary full-time site manager and programmatic personnel assigned to site or local community based management leader in place that has been formally designated and accepted and is able to dedicate sufficient time to the management of the site	3		
Your MPA has adequate management personnel assigned to site or some formalized community oversight	2	2	MPA communities are actively working with partner agencies in MPA management.
Your MPA has inadequate management personnel assigned to site and/or very little formalized community oversight	1		
Your MPA has no management personnel assigned to site and or no formalized community oversight	0		
Total		2	
17) Equipment capacity			
Your MPA has all necessary equipment to carry out biophysical monitoring activities and the equipment is well maintained	3	3	Monitoring team has adequate and necessary equipment to conduct monitoring program.
Your MPA has most of the necessary equipment to carry out biophysical monitoring activities	2		
Your MPA has some equipment to carry out biophysical monitoring activities	1		
Your MPA has no or inadequate equipment to carry out biophysical monitoring activities	0		
Total		3	
Your MPA has all necessary equipment to carry out socio-economic monitoring activities	3		
Your MPA has most of the equipment to carry out socio-economic monitoring activities	2		
Your MPA has some equipment to carry out socio-economic monitoring activities	1	1	Requires some data analysis and survey designing training.
Your MPA has no or inadequate equipment to carry out socio-economic monitoring activities	0		
Total		1	
Total Score:			
Please check off what you have and note what you need in the lines provided			
Management Planning Tools			
Community Action Planning Training		<input type="checkbox"/>	
Maradi (software and understanding)		<input type="checkbox"/>	
Climate Change Adaptation incorporated into management planning		<input type="checkbox"/>	
Equipment			
o Boat and fuel and budget for fuel and maintenance		<input type="checkbox"/>	

o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, compass, tanks, compressor, dive tables, first and CRP kits, O2 kits	?	
o gear maintenance plan	?	
o survey gear-tape measures, or rope, cameras and housings	?	
o safety gear-radios, safety sausages, noise makers, flares	?	
Trainings:		
o Scuba-advanced or scientific, nitrox	?	
o Dive planning for repetitive dives and dive tables,	?	
o safety	?	
o dive accident management-(where is the closest hyperbaric chamber?)	?	
o first and CRP	?	
o Oxygen administration	?	
o Identification-fish, algae and inverts, including coral(ideally to the species level)	?	
o Data recording	?	
o Data entry-excel and or access	?	
o Data and statistical analysis, including creating graphs	?	
o Comparative analysis and evaluation for comparing sites	?	
o Report writing and presenting results	?	
Enforcement Capacity (Type)		
o Community	?	
o Government Agency	?	
Enforcement needs/others:		
Strategic plan for Fish and Wildlife Division		
Standard Operational Plan for Fish and Wildlife		
Capacity to train community partners		
Equipment (boat and surveillance tools).		

Marshall Islands Marine Resources Authority Capacity Needs Assessment

MCT Conservation Program Coral Reef Management and Monitoring Capacity Needs

The monitoring capacity needs exercise can be run by any member of the staff. Take each statement of capacity area and agree on a score based on what actually happens or available, not what is suppose to happen or will be available. The score available are 3,2,1 and 0 only.

- 3- our capacity is sufficient
- 2- close to 3 but not quite
- 1- close to 0 but not that poor
- 0- No capacity at all or this is not in place

If you cannot give yourself a clear cut 3 or 0, you need to decide which one you are closer to. Right the score for each statement and add up the total for each section and transfer it into the score interpretation table to get your grant total. Then interpret your score using the guidance given.

Note: MPA means Marine Protected Area. It also means a protected area(s) you manage or a network of protected areas.

If you score a 1 or 0 please explain in the comment section what is preventing your agency from achieving a higher score/ having higher capacity.

Enjoy!!!!

Agency/Organization: Marshall Islands Marine Resources Authority		Date: 3 February 2012	
Primary Contact (name, email): Candice M. Guavis (cmguavis@gmail.com/candice@mimra.com) & Florence T. Edwards (ftedwards@gmail.com/fedwards@mimra.com)			
1)Public education, communication & awareness		Your Score	Your comment
Most of the staff effectively communicate importance of MPA and MPA networks to communities	2		
2) Socio-economic Information			
Staff know how to use some socio-economic monitoring information to support planning and management.	2		
Staff know how to use socio-economic monitoring information is used for effective decision-making.	2		
Agency is capable of conducting socio-economic monitoring and information is updated sometimes.		2	
3) Biological Monitoring Information			
Staff know how to use biological monitoring information to support planning and management.	2		
There is some biological monitoring information is used for effective decision-making.	2		
All available biological monitoring information is sometimes updated.	2		
4)Boundaries			
Lack of clearly defined boundaries and/or zones in the water and on signs or in law		1	

5)Resilience			
Little consideration of climate change resilience was given to the design or establishment of the MPA Network	1		2009-2010 Climage Change was incorporated to Reimaanlak Action Plan
6)Precautionary design			
Your MPA network considers a couple of the known threats occurring within the wider area.	1		
7)Stakeholder participation			
Your Organization’s staff has much (5 years experience) capacity to facilitate community management planning activities to develop management plans.	3		In 2000, MIMRA introduced Fisheries Management Program to outer island communities
8)Political will & leadership			
There is clear or effective leadership the political agency level, but only some limited capacity to implement the necessary strategies.	2		
9)Clearly defined objectives			
There are various objectives for the MPA network which are clear, achievable and measurable; addressing at least two of the relevant aspects in the necessary range (ie. ecological, social or economic objectives);		2	
10)Permanence			
Your MPA network has some backing by way of legislative instruments (eg statutes, laws, regulations) or administrative instruments (eg policies), but some of these may be varied by governments and/or ignored by officials.	1		
11)Compliance & Enforcement			
Realistic estimates indicate that between 25-50% of all your MPA users are aware of, understand, and comply with the regulations.	1		
Few or no established rules and regulations exist or there is little or no enforcement of existing rules and regulations	0		
12)Adaptive management			
A MPA network decision making body has reviewed monitoring data and other research, but has not used the information to make adaptive management decisions.	2		
13)Institutional & governance considerations			
Your MPA network has well established mechanisms for the vertical integration between all levels of government (eg. national, state and local), and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous people and regional groups.	3		Coastal Management Advisory Council (CMAC)
14)Connectivity			
Your MPA network was purposefully designed and does consider some of the known ecological processes (spatial and/or temporal) known to occur in the area*		2	
15)Sustainable financing			
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.	2		
16)Human Resources			
Your MPA has adequate management personnel assigned to site or some formalized community oversight	2		
17)Equipment capacity			

Your MPA has all necessary equipment to carry out biophysical monitoring activities and the equipment is well maintained	3		
Your MPA has all necessary equipment to carry out socio-economic monitoring activities	3		
Total Score:			
Please check off what you have and note what you need in the lines provided			
Management Planning Tools			
Community Action Planning Training	x		
Maradi (software and understanding)	<input type="checkbox"/>		Not sure what this is, have not been introduced
Climate Change Adaptation incorporated into management planning	x		
Equipment			
o Boat and fuel and budget for fuel and maintenance	x		
o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, compass, tanks, compressor, dive tables, first and CRP kits, O2 kits		x	
o gear maintenance plan	<input type="checkbox"/>		Need to establish one
o survey gear-tape measures, or rope, cameras and housings	x		
o safety gear-radios, safety sausages, noise makers, flares	x		
Trainings:			
o Scuba-advanced or scientific, nitrox	<input type="checkbox"/>		Needed, divers have Open Water certificates
o Dive planning for repetitive dives and dive tables,		<input type="checkbox"/>	Need training
o safety	x		
o dive accident management-(where is the closest hyperbaric chamber?)	x		Majuro/Kwaj
o first and CRP	<input type="checkbox"/>		Needed, can get assistance from Health Ministry
o Oxygen administration	<input type="checkbox"/>		Capacity building needed
o Identification-fish, algae and inverts, including coral(ideally to the species level)	x		More training esp on corals
o Data recording		x	
o Data entry-excel and or access	x		
o Data and statistical analysis, including creating graphs	x		
o Comparative analysis and evaluation for comparing sites	x		
o Report writing and presenting results	x		
Enforcement Capacity (Type)			
o Community		x	Community watched over their own area, MPA
o Government Agency	<input type="checkbox"/>		
Enforcement needs/others:			
Capacity building/Training on Enforcement for Community Members or Regional Partners can come and share their lessons learned and experiences.			

Palau International Coral Reef Center Capacity Needs Assessment

MCT Conservation Program Coral Reef Management and Monitoring Capacity Needs

The monitoring capacity needs exercise can be run by any member of the staff. Take each statement of capacity area and agree on a score based on what actually happens or available, not what is suppose to happen or will be available. The score available are 3,2,1 and 0 only.

- 3- our capacity is sufficient
- 2- close to 3 but not quite
- 1- close to 0 but not that poor
- 0- No capacity at all or this is not in place

If you cannot give yourself a clear cut 3 or 0, you need to decide which one you are closer to. Right the score for each statement and add up the total for each section and transfer it into the score interpretation table to get your grant total. Then interpret your score using the guidance given.

Note: MPA means Marine Protected Area. It also means a protected area(s) you manage or a network of protected areas.

If you score a 1 or 0 please explain in the comment section what is preventing your agency from achieving a higher score/ having higher capacity.

Enjoy!!!!

Agency/Organization: Palau International Coral Reef Center **Date: April 13, 2012**

Primary Contact (name, email): Dr. Yimnang Golbuu (ygolbuu@picrc.org)

1)Public education, communication & awareness		Your Score	Your comment
All Staff can effectivelycommunicate importance of MPA and MPA networksto communities	3		
Most of the staff effectivelycommunicate importance of MPA and MPA networksto communities	2	2	
Part of the staff effectivelycommunicate importance of MPA and MPA networksto communities	1		
The staff is unable to effectivelycommunicate importance of MPA and MPA networksto communities	0		
total		2	
2) Socio-economic Information			
Staff useavailable socio-economic monitoring information to support planning and management.	3	3	
Staff know how to usesome socio-economic monitoring information to support planning and management.	2		
Staff have limited knowledge of how to use socio-economic monitoring information to support planning and management.	1		
Staff do not know how to use socio-economic monitoring information to support planning and management.	0		
Total		3	
Staff use socio-economic monitoring information for effective	3		

decision-making.			
Staff know how to use socio-economic monitoring information is used for effective decision-making.	2	2	
Staff have limited knowledge of how to use socio-economic monitoring information but it is rarely used for decision-making.	1		
There is little or no socio-economic monitoring information base and the staff do not know how to use the information for decision-making	0		
Total	2		
Agency is capable of conducting socio-economic monitoring and information is updated regularly.	3		
Agency is capable of conducting socio-economic monitoring and information is updated sometimes.	2	2	
Agency has some knowledge on conducting socio-economic monitoring but information is rarely updated.	1		
Agency doesn't know how to conduct socio-economic monitoring and information is never updated	0		
Total	2		
A good monitoring and evaluation system exists, with progress against most if not all the objectives of the MPA network are being monitored regularly and objectively, with the results being widely disseminated and used in adaptive management.	3		
There is an agreed and implemented monitoring program, and progress against some of the objectives of the MPA network is objectively monitored periodically, with the results publicly available and/or used in adaptive management.	2	2	
There is some ad hoc monitoring and progress against at least one of the objectives of the MPA network has been monitored and/or publicly reported.	1		
Progress against the objectives of the MPA network is rarely monitored AND no assessment of MPA effectiveness has ever occurred or been reported	0		
Total		2	
3) Biological Monitoring Information			
Staff use available biological monitoring information to support planning and management.	3	3	
Staff know how to use biological monitoring information to support planning and management.	2		
Staff have limited knowledge of how to use biological monitoring information to support planning and management.	1		
Staff do not know how to use biological monitoring information base to support planning and management.	0		
Total	3		
All available biological monitoring information is used for effective decision-making.	3	3	
There is some biological monitoring information is used for effective decision-making.	2		
There is limited biological monitoring information but it is rarely used for decision-making.	1		
There is little or no biological monitoring information base but the available information is not used for decision-making	0		
Total	3		
All available biological monitoring information is regularly updated.	3	3	

All available biological monitoring information is sometimes updated.	2		
All available biological monitoring information is rarely updated.	1		
All available biological monitoring information is never updated	0		
Total	3		
4)Boundaries			
Clearly defined (in the water and on signs/in law) boundaries and zones and information on boundary locations and permitted activities in various zones provided to public and MPA stakeholders	3		
Clearly defined boundaries and/or zones on signs and in law, but not in the water	2	2	
Lack of clearly defined boundaries and/or zones in the water and on signs or in law	1		
No information about boundaries and zones available	0		
Total	2		
5)Resilience			
Network is designed to increase resilience of coral reef resources to the effects of climate change and management includes actions necessary to avoid or minimize impacts and spread the risk due to climate change	3		
Much consideration of climate change resilience was given to the design or establishment of the MPA Network	2	2	
Little consideration of climate change resilience was given to the design or establishment of the MPA Network	1		
Agency does not have the knowledge or training to consider climate change resilience in the design or establishment of the MPA Network	0		
Total	2		
6)Precautionary design			
Your MPA network is configured to take into consideration all or most of the known threats occurring within the wider area.	3		
Your MPA network considers several of the known threats occurring within the wider area.	2		
Your MPA network considers a couple of the known threats occurring within the wider area.	1	1	Consideration of threats in a wider area are considered at the site level but not necessarily at the network level.
Your agency lacks the knowledge to address known threats in MPA network design.	0		
Total	1		
7)Stakeholder participation			
Your Organization's staff has much (5 years experience) capacity to facilitate community management planning activities to develop management plans.	3		
Your Organization's staff has a little (2-3 years experience) capacity to facilitate community management planning activities to develop management plans.	2		
Your Organization's staff has poor (1 year experience) capacity to facilitate community management planning activities to develop management plans.	1	1	PICRC does only provides information to management planning but does not develop

			management plans.
Your Organization's staff has no (0 years experience) capacity to facilitate community management planning activities to develop management plans.	0		
Total		1	
8)Political will & leadership			
There is clear and effective leadership, commitment and support at both the political level, with a shared vision and capacity to achieve success.	3		
There is clear or effective leadershipthe political agency level, but only some limited capacity to implement the necessary strategies.	2	2	
The agency lacks the capacity to garner leadership, commitment and support at the political level and there is inadequate capacity to implement the necessary strategies.	1		
The agency lacks the capacity to garner leadership, commitment and support at the political levels so there is clear and effective leadership or commitment at either the political, and no shared vision or capacity for success.	0		
Total		2	
9)Clearly defined objectives			
There is a range of S.M.A.R.T.(Specific, measureable, achievable, realistic, and time bound) objectives (including ecological, social and economic objectives) defined for the MPA network and derived from the legislation;	3		
There are various objectives for the MPA network which are clear, achievable and measurable; addressing at least two of the relevant aspects in the necessary range (ie. ecological, social or economic objectives);	2	2	
There are some objectives for the MPA network; but only one or two can be considered as clear, achievable and measurable; AND your objectives do not address the necessary range (ie. ecological, social and economic objectives).	1		
There are no clear objectives for your MPA network.	0		
Total		2	
10)Permanence			
Your MPA network has the backing of an efficient combination of legislative instruments (eg statutes, laws, regulations) and administrative instruments (eg policies) at various levels (local/state/national) that collectively provide long-term protection for the MPA network and ensure its viability.	3	3	
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies), that collectively assist in protecting the MPA network.	2		
Your MPA network has some backing by way of legislative instruments (eg statutes, laws, regulations) or administrative instruments (eg policies), but some of these may be varied by governments and/or ignored by officials.	1		
Your MPA network has little or no backing by way of any legislative instruments or administrative instruments, and its viability may be affected by any adverse activities occurring either within, or adjacent to, the area.	0		
Total		3	
11)Compliance & Enforcement			
A survey or other effective means indicates that over 75% of all	3		

your MPA users are aware of, understand, and comply with the regulations.			
Realistic estimates indicate that between 50-75% of all your MPA users are aware of, understand, and comply with the regulations.	2	2	
Realistic estimates indicate that between 25-50% of all your MPA users are aware of, understand, and comply with the regulations.	1		
Less than 25% of all your MPA users are aware of, understand, and comply with the regulations.	0		
Total		2	
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations	3		
Dedicated but uncompensated enforcement personal who actively and consistently enforcement of rules and regulations	2		
Inconsistent enforcement of rules and regulations	1	1	Some sites have more active enforcement activities than others.
Few or no established rules and regulations exist or there is little or no enforcement of existing rules and regulations	0		
Total		1	
12)Adaptive management			
A MPA network decision making body regularly(at least annually) reviews and analyzes information from biological and socio-economic monitoring and or other forms of research and training as they become available and has made changes to the management of the MPA network as a result of this information	3	3	This occurs only at the site level but not to the same extent at the network level.
A MPA network decision making body has reviewed monitoring data and other research, but has not used the information to make adaptive management decisions.	2		
Your MPA network does not have management systems nor any monitoring arrangements to determine system responses and provide a basis for adaptive management; NOR is it able to incorporate changes such as new information becoming available. An adaptive management is in place but there is no transfer of monitoring or research information to the MPA Network decision body so that they can make adaptive management decisions.	1		
Your MPA network has effective management systems that implement policies (ie specifying locally appropriate actions), as well as monitoring arrangements to determine system responses and provide a sound basis for adaptive management. No adaptive management system is in place	0		
Total		3	
13)Institutional & governance considerations			
Your MPA network has well established mechanisms for the vertical integration between all levels of government (eg. national, state and local), and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous people and regional groups.	3	3	
Your MPA network has some mechanisms for the vertical integration between different levels of government, and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous peoples and regional groups.	2		
Your MPA network has some legislative and administrative arrangements, but these do not provide both effective vertical	1		

integration between different levels of government, and horizontal integration among agencies.			
Your MPA network has little or no mechanisms for the vertical integration between different levels of government, nor for any horizontal integration among agencies with different mandates.	0		
Total	3		
14)Connectivity			
Your MPA network has been purposefully designed to maximize all or most of the known ecological processes (spatial and/or temporal) known to occur in the area*	3		
Your MPA network was purposefully designed and does consider some of the known ecological processes (spatial and/or temporal) known to occur in the area*	2		
Your MPA network was purposefully designed and does consider a few (one or more) of the known ecological processes (spatial and/or temporal) known to occur in the area*	1		
The design of your MPA network took little or no account of any known ecological processes known to occur in the area	0	0	Most MPAs were designated at state level with little consideration of bigger ecological processes or connectivity.
Total	0		
15)Sustainable financing			
Your MPA network has a well-developed and periodically audited program of long-term funding (assessed, and if necessary, increased against a recognized financial index) in order to meet both core costs and emerging issues.	3		
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.	2	2	
Your MPA network has poor and spasmodic program of long-term funding to meet core costs, and is sometimes able to seek funding for emerging issues.	1		
Your MPA network does not have a well-developed or periodically audited program of long-term funding.	0		
Total	2		
16)Human Resources			
Your MPA has extraordinary full-time site manager and programmatic personnel assigned to site or local community based management leader in place that has been formally designated and accepted and is able to dedicate sufficient time to the management of the site	3		
Your MPA has adequate management personnel assigned to site or some formalized community oversight	2		
Your MPA has inadequate management personnel assigned to site and/or very little formalized community oversight	1	1	A couple of sites have adequate personell but most sites lack adequate staff.
Your MPA has no management personnel assigned to site and or no formalized community oversight	0		
Total		1	
17)Equipment capacity			
Your MPA has all necessary equipment to carry out biophysical	3		

monitoring activities and the equipment is well maintained			
Your MPA has most of the necessary equipment to carry out biophysical monitoring activities	2		
Your MPA has some equipment to carry out biophysical monitoring activities	1	1	Most sites have little or no equipment to carry out biophysical monitoring.
Your MPA has no or inadequate equipment to carry out biophysical monitoring activities	0		
Total		1	
Your MPA has all necessary equipment to carry out socio-economic monitoring activities	3	3	
Your MPA has most of the equipment to carry out socio-economic monitoring activities	2		
Your MPA has some equipment to carry out socio-economic monitoring activities	1		
Your MPA has no or inadequate equipment to carry out socio-economic monitoring activities	0		
Total		3	
Total Score:			
Please check off what you have and note what you need in the lines provided			
All answers pertain to specific MPA sites (not necessarily PICRC)			
Management Planning Tools			
Community Action Planning Training		<input checked="" type="checkbox"/>	
Maradi (software and understanding)		<input checked="" type="checkbox"/>	
Climate Change Adaptation incorporated into management planning		<input checked="" type="checkbox"/>	
Equipment			
<input type="checkbox"/> Boat and fuel and budget for fuel and maintenance		<input checked="" type="checkbox"/>	
<input type="checkbox"/> dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, compass, tanks, compressor, dive tables, first and CRP kits, O2 kits		<input checked="" type="checkbox"/>	
<input type="checkbox"/> gear maintenance plan		<input checked="" type="checkbox"/>	
<input type="checkbox"/> survey gear-tape measures, or rope, cameras and housings		<input checked="" type="checkbox"/>	
<input type="checkbox"/> safety gear-radios, safety sausages, noise makers, flares		<input checked="" type="checkbox"/>	
Trainings:			
<input type="checkbox"/> Scuba-advanced or scientific, nitrox		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Dive planning for repetitive dives and dive tables,		<input checked="" type="checkbox"/>	
<input type="checkbox"/> safety		<input checked="" type="checkbox"/>	
<input type="checkbox"/> dive accident management-(where is the closest hyperbaric chamber?)		<input checked="" type="checkbox"/>	
<input type="checkbox"/> first and CRP		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Oxygen administration		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Identification-fish, algae and inverts, including coral(ideally to the species level)		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Data recording		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Data entry-excel and or access		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Data and statistical analysis, including creating graphs		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Comparative analysis and evaluation for comparing sites		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Report writing and presenting results		<input checked="" type="checkbox"/>	
Enforcement Capacity (Type)			
<input type="checkbox"/> Community		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Government Agency		<input checked="" type="checkbox"/>	
Enforcement needs/others:			

Capacity Assessment Report – MCT under NOAA NA11NOS4820011

Kosrae Marine Monitoring Capacity Needs Assessment

MCT Conservation Program Coral Reef Management and Monitoring Capacity Needs

The monitoring capacity needs exercise can be run by any member of the staff. Take each statement of capacity area and agree on a score based on what actually happens or available, not what is suppose to happen or will be available. The score available are 3,2,1 and 0 only.

- 3- our capacity is sufficient
- 2- close to 3 but not quite
- 1- close to 0 but not that poor
- 0- No capacity at all or this is not in place

If you cannot give yourself a clear cut 3 or 0, you need to decide which one you are closer to. Right the score for each statement and add up the total for each section and transfer it into the score interpretation table to get your grant total. Then interpret your score using the guidance given.

Note: MPA means Marine Protected Area. It also means a protected area(s) you manage or a network of protected areas.

If you score a 1 or 0 please explain in the comment section what is preventing your agency from achieving a higher score/ having higher capacity.

Enjoy!!!!

Agency/Organization:

Date:

Primary Contact (name, email):

1)Public education, communication & awareness		Your Score	Your comment
All Staff can effectivelycommunicate importance of MPA and MPA networksto communities	3		
Most of the staff effectivelycommunicate importance of MPA and MPA networksto communities	2	X	
Part of the staff effectivelycommunicate importance of MPA and MPA networksto communities	1		
The staff is unable to effectivelycommunicate importance of MPA and MPA networksto communities	0		
total		2	
2) Socio-economic Information			
Staff useavailable socio-economic monitoring information to support planning and management.	3		
Staff know how to usesome socio-economic monitoring information to support planning and management.	2	X	
Staff have limited knowledge of how to use socio-economic monitoring information to support planning and management.	1		
Staff do not know how to use socio-economic monitoring information to support planning and management.	0		
Total		2	
Staff use socio-economic monitoring information for effective decision-making.	3		
Staff know how to use socio-economic monitoring information is	2	X	

used for effective decision-making.			
Staff have limited knowledge of how to use socio-economic monitoring information but it is rarely used for decision-making.	1		
There is little or no socio-economic monitoring information base and the staff do not know how to use the information for decision-making	0		
Total	2		
Agency is capable of conducting socio-economic monitoring and information is updated regularly.	3		
Agency is capable of conducting socio-economic monitoring and information is updated sometimes.	2	X	
Agency has some knowledge on conducting socio-economic monitoring but information is rarely updated.	1		
Agency doesn't know how to conduct socio-economic monitoring and information is never updated	0		
Total	2		
A good monitoring and evaluation system exists, with progress against most if not all the objectives of the MPA network are being monitored regularly and objectively, with the results being widely disseminated and used in adaptive management.	3		
There is an agreed and implemented monitoring program, and progress against some of the objectives of the MPA network is objectively monitored periodically, with the results publicly available and/or used in adaptive management.	2	X	
There is some ad hoc monitoring and progress against at least one of the objectives of the MPA network has been monitored and/or publicly reported.	1		
Progress against the objectives of the MPA network is rarely monitored AND no assessment of MPA effectiveness has ever occurred or been reported	0		
Total	2		
3) Biological Monitoring Information			
Staff use available biological monitoring information to support planning and management.	3	X	
Staff know how to use biological monitoring information to support planning and management.	2		
Staff have limited knowledge of how to use biological monitoring information to support planning and management.	1		
Staff do not know how to use biological monitoring information base to support planning and management.	0		
Total	3		
All available biological monitoring information is used for effective decision-making.	3	X	
There is some biological monitoring information is used for effective decision-making.	2		
There is limited biological monitoring information but it is rarely used for decision-making.	1		
There is little or no biological monitoring information base but the available information is not used for decision-making	0		
Total	3		
All available biological monitoring information is regularly updated.	3	X	
All available biological monitoring information is sometimes updated.	2		

All available biological monitoring information is rarely updated.	1		
All available biological monitoring information is never updated	0		
Total	3		
4)Boundaries			
Clearly defined (in the water and on signs/in law) boundaries and zones and information on boundary locations and permitted activities in various zones provided to public and MPA stakeholders	3	x	
Clearly defined boundaries and/or zones on signs and in law, but not in the water	2		
Lack of clearly defined boundaries and/or zones in the water and on signs or in law	1		
No information about boundaries and zones available	0		
Total	3		
5)Resilience			
Network is designed to increase resilience of coral reef resources to the effects of climate change and management includes actions necessary to avoid or minimize impacts and spread the risk due to climate change	3		
Much consideration of climate change resilience was given to the design or establishment of the MPA Network	2	x	
Little consideration of climate change resilience was given to the design or establishment of the MPA Network	1		
Agency does not have the knowledge or training to consider climate change resilience in the design or establishment of the MPA Network	0		
Total	2		
6)Precautionary design			
Your MPA network is configured to take into consideration all or most of the known threats occurring within the wider area.	3	X	
Your MPA network considers several of the known threats occurring within the wider area.	2		
Your MPA network considers a couple of the known threats occurring within the wider area.	1		
Your agency lacks the knowledge to address known threats in MPA network design.	0		
Total	3		
7)Stakeholder participation			
Your Organization's staff has much (5 years experience) capacity to facilitate community management planning activities to develop management plans.	3		
Your Organization's staff has a little (2-3 years experience) capacity to facilitate community management planning activities to develop management plans.	2	X	
Your Organization's staff has poor (1 year experience) capacity to facilitate community management planning activities to develop management plans.	1		
Your Organization's staff has no (0 years experience) capacity to facilitate community management planning activities to develop management plans.	0		
Total	2		
8)Political will & leadership			
There is clear and effective leadership, commitment and support at both the political level, with a shared vision and capacity to achieve	3		

success.			
There is clear or effective leadershipthe political agency level, but only some limited capacity to implement the necessary strategies.	2	X	
The agency lacks the capacity to garner leadership, commitment and support at the political level and there is inadequate capacity to implement the necessary strategies.	1		
The agency lacks the capacity to garner leadership, commitment and support at the political levels so there is clear and effective leadership or commitment at either the political, and no shared vision or capacity for success.	0		
Total	2		
9)Clearly defined objectives			
There is a range of S.M.A.R.T.(Specific, measureable, achievable, realistic, and time bound) objectives (including ecological, social and economic objectives) defined for the MPA network and derived from the legislation;	3		
There are various objectives for the MPA network which are clear, achievable and measurable; addressing at least two of the relevant aspects in the necessary range (ie. ecological, social or economic objectives);	2	X	
There are some objectives for the MPA network; but only one or two can be considered as clear, achievable and measurable; AND your objectives do not address the necessary range (ie. ecological, social and economic objectives).	1		
There are no clear objectives for your MPA network.	0		
Total	2		
10)Permanence			
Your MPA network has the backing of an efficient combination of legislative instruments (eg statutes, laws, regulations) and administrative instruments (eg policies) at various levels (local/state/national) that collectively provide long-term protection for the MPA network and ensure its viability.	3		
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies), that collectively assist in protecting the MPA network.	2	X	
Your MPA network has some backing by way of legislative instruments (eg statutes, laws, regulations) or administrative instruments (eg policies), but some of these may be varied by governments and/or ignored by officials.	1		
Your MPA network has little or no backing by way of any legislative instruments or administrative instruments, and its viability may be affected by any adverse activities occurring either within, or adjacent to, the area.	0		
Total	2		
11)Compliance & Enforcement			
A survey or other effective means indicates that over 75% of all your MPA users are aware of, understand, and comply with the regulations.	3		
Realistic estimates indicate that between 50-75% of all your MPA users are aware of, understand, and comply with the regulations.	2	X	
Realistic estimates indicate that between 25-50% of all your MPA users are aware of, understand, and comply with the regulations.	1		
Less than 25% of all your MPA users are aware of, understand, and comply with the regulations.	0		

	Total	2	
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations	3	X	
Dedicated but uncompensated enforcement personal who actively and consistently enforcement of rules and regulations	2		
Inconsistent enforcement of rules and regulations	1		
Few or no established rules and regulations exist or there is little or no enforcement of existing rules and regulations	0		
	Total	3	
12)Adaptive management			
A MPA network decision making body regularly(at least annually) reviews and analyzes information from biological and socio-economic monitoring and or other forms of research and training as they become available and has made changes to the management of the MPA network as a result of this information	3		
A MPA network decision making body has reviewed monitoring data and other research, but has not used the information to make adaptive management decisions.	2	X	
Your MPA network does not have management systems nor any monitoring arrangements to determine system responses and provide a basis for adaptive management; NOR is it able to incorporate changes such as new information becoming available. An adaptive management is in place but there is no transfer of monitoring or research information to the MPA Network decision body so that they can make adaptive management decisions.	1		
Your MPA network has effective management systems that implement policies (ie specifying locally appropriate actions), as well as monitoring arrangements to determine system responses and provide a sound basis for adaptive management. No adaptive management system is in place	0		
	Total	2	
13)Institutional & governance considerations			
Your MPA network has well established mechanisms for the vertical integration between all levels of government (eg. national, state and local), and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous people and regional groups.	3		
Your MPA network has some mechanisms for the vertical integration between different levels of government, and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous peoples and regional groups.	2	X	
Your MPA network has some legislative and administrative arrangements, but these do not provide both effective vertical integration between different levels of government, and horizontal integration among agencies.	1		
Your MPA network has little or no mechanisms for the vertical integration between different levels of government, nor for any horizontal integration among agencies with different mandates.	0		
	Total	2	
14)Connectivity			
Your MPA network has been purposefully designed to maximize all or most of the known ecological processes (spatial and/or temporal) known to occur in the area*	3	X	

Your MPA network was purposefully designed and does consider some of the known ecological processes (spatial and/or temporal) known to occur in the area*	2		
Your MPA network was purposefully designed and does consider a few (one or more) of the known ecological processes (spatial and/or temporal) known to occur in the area*	1		
The design of your MPA network took little or no account of any known ecological processes known to occur in the area	0		
Total	3		
15) Sustainable financing			
Your MPA network has a well-developed and periodically audited program of long-term funding (assessed, and if necessary, increased against a recognized financial index) in order to meet both core costs and emerging issues.	3		
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.	2		
Your MPA network has poor and spasmodic program of long-term funding to meet core costs, and is sometimes able to seek funding for emerging issues.	1	X	Does not have a well-developed or periodically audited program
Your MPA network does not have a well-developed or periodically audited program of long-term funding.	0		
Total	1		
16) Human Resources			
Your MPA has extraordinary full-time site manager and programmatic personnel assigned to site or local community based management leader in place that has been formally designated and accepted and is able to dedicate sufficient time to the management of the site	3		
Your MPA has adequate management personnel assigned to site or some formalized community oversight	2	X	
Your MPA has inadequate management personnel assigned to site and/or very little formalized community oversight	1		
Your MPA has no management personnel assigned to site and or no formalized community oversight	0		
Total	2		
17) Equipment capacity			
Your MPA has all necessary equipment to carry out biophysical monitoring activities and the equipment is well maintained	3		
Your MPA has most of the necessary equipment to carry out biophysical monitoring activities	2	X	
Your MPA has some equipment to carry out biophysical monitoring activities	1		
Your MPA has no or inadequate equipment to carry out biophysical monitoring activities	0		
Total	2		
Your MPA has all necessary equipment to carry out socio-economic monitoring activities	3		
Your MPA has most of the equipment to carry out socio-economic monitoring activities	2	X	
Your MPA has some equipment to carry out socio-economic monitoring activities	1		
Your MPA has no or inadequate equipment to carry out socio-economic monitoring activities	0		

Total	2	
Total Score:		
Please check off what you have and note what you need in the lines provided		
Management Planning Tools everything (except boat and dive gear)		
Community Action Planning Training	<input type="checkbox"/>	
Maradi (software and understanding)	<input type="checkbox"/>	
Climate Change Adaptation incorporated into management planning	<input type="checkbox"/>	
Equipment		
o Boat and fuel and budget for fuel and maintenance	<input type="checkbox"/>	
o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, compass, tanks, compressor, dive tables, first and CPR kits, O2 kits	<input type="checkbox"/>	
o gear maintenance plan	<input type="checkbox"/>	
o survey gear-tape measures, or rope, cameras and housings	<input type="checkbox"/>	
o safety gear-radios, safety sausages, noise makers, flares	<input type="checkbox"/>	
Trainings:		
o Scuba-advanced or scientific, nitrox	<input type="checkbox"/>	
o Dive planning for repetitive dives and dive tables,	<input type="checkbox"/>	
o safety	<input type="checkbox"/>	
o dive accident management-(where is the closest hyperbaric chamber?)	<input type="checkbox"/>	
o first and CRP	<input type="checkbox"/>	
o Oxygen administration	<input type="checkbox"/>	
o Identification-fish, algae and inverts, including coral(ideally to the species level)	<input type="checkbox"/>	
o Data recording	<input type="checkbox"/>	
o Data entry-excel and or access	<input type="checkbox"/>	
o Data and statistical analysis, including creating graphs	<input type="checkbox"/>	
o Comparative analysis and evaluation for comparing sites	<input type="checkbox"/>	
o Report writing and presenting results	<input type="checkbox"/>	
Enforcement Capacity (Type)		
o Community	<input type="checkbox"/>	
o Government Agency	<input type="checkbox"/>	
Enforcement needs/others:		

Chuuk Marine Monitoring Capacity Needs Assessment

MCT Conservation Program Coral Reef Management and Monitoring Capacity Needs

The monitoring capacity needs exercise can be run by any member of the staff. Take each statement of capacity area and agree on a score based on what actually happens or available, not what is suppose to happen or will be available. The score available are 3,2,1 and 0 only.

- 3- our capacity is sufficient
- 2- close to 3 but not quite
- 1- close to 0 but not that poor
- 0- No capacity at all or this is not in place

If you cannot give yourself a clear cut 3 or 0, you need to decide which one you are closer to. Right the score for each statement and add up the total for each section and transfer it into the score interpretation table to get your grant total. Then interpret your score using the guidance given.

Note: MPA means Marine Protected Area. It also means a protected area(s) you manage or a network of protected areas.

If you score a 1 or 0 please explain in the comment section what is preventing your agency from achieving a higher score/ having higher capacity.

Enjoy!!!!

Agency/Organization: Chuuk Conservation Society		Date:	
Primary Contact (name, email): curt_ccs@mail.fm			
1)Public education, communication & awareness			
		Your Score	Your comment
All Staff can effectively communicate importance of MPA and MPA networks to communities	3		
Most of the staff effectively communicate importance of MPA and MPA networks to communities	2	X	
Part of the staff effectively communicate importance of MPA and MPA networks to communities	1		
The staff is unable to effectively communicate importance of MPA and MPA networks to communities	0		
total		2	
2) Socio-economic Information			
Staff use available socio-economic monitoring information to support planning and management.	3		
Staff know how to use some socio-economic monitoring information to support planning and management.	2	X	
Staff have limited knowledge of how to use socio-economic monitoring information to support planning and management.	1		
Staff do not know how to use socio-economic monitoring information to support planning and management.	0		
Total		2	
Staff use socio-economic monitoring information for effective decision-making.	3		

Staff know how to use socio-economic monitoring information is used for effective decision-making.	2	X	The passing of municipal ordinance to protect the Parem MPA was in large part a result of information shared from the socio-economic assessment.
Staff have limited knowledge of how to use socio-economic monitoring information but it is rarely used for decision-making.	1		
There is little or no socio-economic monitoring information base and the staff do not know how to use the information for decision-making	0		
Total	2		
Agency is capable of conducting socio-economic monitoring and information is updated regularly.	3		
Agency is capable of conducting socio-economic monitoring and information is updated sometimes.	2	X	Numerous staff members from CCS, Agriculture, EPA, COM-Land Grant & other community NGO partners attended the socio-economic training. The difficulty will be in finding sustainable funding to conduct this monitoring. Because of lack of funding, we have proposed to have socio-economic monitoring every 2-3 years.
Agency has some knowledge on conducting socio-economic monitoring but information is rarely updated.	1		
Agency doesn't know how to conduct socio-economic monitoring and information is never updated	0		
Total	2		
A good monitoring and evaluation system exists, with progress against most if not all the objectives of the MPA network are being monitored regularly and objectively, with the results being widely disseminated and used in adaptive management.	3		
There is an agreed and implemented monitoring program, and progress against some of the objectives of the MPA network is objectively monitored periodically, with the results publicly available and/or used in adaptive management.	2		
There is some ad hoc monitoring and progress against at least one of the objectives of the MPA network has been monitored and/or publicly reported.	1	X	Because we have only begun doing the monitoring and proposed to do it every 2-3 years, we have not done the monitoring again. This is also difficult to assess as we do not have a formalized MPA network because as of now we are only working on one MPA,

			thus making an established not the most pressing of concerns as of now.
Progress against the objectives of the MPA network is rarely monitored AND no assessment of MPA effectiveness has ever occurred or been reported	0		
Total		1	
3) Biological Monitoring Information			
Staff use available biological monitoring information to support planning and management.	3		
Staff know how to use biological monitoring information to support planning and management.	2	X	
Staff have limited knowledge of how to use biological monitoring information to support planning and management.	1		
Staff do not know how to use biological monitoring information base to support planning and management.	0		
Total		2	
All available biological monitoring information is used for effective decision-making.	3		
There is some biological monitoring information is used for effective decision-making.	2		
There is limited biological monitoring information but it is rarely used for decision-making.	1	X	I rate this as a 1 because although there is biological monitoring that is used to advise decision-making at the community level, and once with a municipal ordinance at the municipal level, it is yet to be used to enact legislation at the state level.
There is little or no biological monitoring information base but the available information is not used for decision-making	0		
Total		1	
All available biological monitoring information is regularly updated.	3	X	
All available biological monitoring information is sometimes updated.	2		
All available biological monitoring information is rarely updated.	1		
All available biological monitoring information is never updated	0		
Total		3	
4)Boundaries			
Clearly defined (in the water and on signs/in law) boundaries and zones and information on boundary locations and permitted activities in various zones provided to public and MPA stakeholders	3		
Clearly defined boundaries and/or zones on signs and in law, but not in the water	2		
Lack of clearly defined boundaries and/or zones in the water and on signs or in law	1	X	We have purposefully not planted

			demarcations for the closed area because we have yet to fully establish means of enforcement and the legalities of how to enforce the community MPA and would not want to get into any legal issues before these things are worked out.
No information about boundaries and zones available	0		
Total		1	
5)Resilience			
Network is designed to increase resilience of coral reef resources to the effects of climate change and management includes actions necessary to avoid or minimize impacts and spread the risk due to climate change	3		
Much consideration of climate change resilience was given to the design or establishment of the MPA Network	2		
Little consideration of climate change resilience was given to the design or establishment of the MPA Network	1		
Agency does not have the knowledge or training to consider climate change resilience in the design or establishment of the MPA Network	0	X	There is some knowledge of climate change and resilience but these components would have to be tackled separately down the road as we do not have the expertise, funding and man-power at the moment to tackle this issue.
Total		0	
6)Precautionary design			
Your MPA network is configured to take into consideration all or most of the known threats occurring within the wider area.	3		
Your MPA network considers several of the known threats occurring within the wider area.	2	X	We have used the socio-economic survey, community consultations and the CAP to assess threats.
Your MPA network considers a couple of the known threats occurring within the wider area.	1		
Your agency lacks the knowledge to address known threats in MPA network design.	0		
Total		2	
7)Stakeholder participation			
Your Organization's staff has much (5 years experience) capacity to facilitate community management planning activities to develop management plans.	3		
Your Organization's staff has a little (2-3 years experience) capacity to facilitate community management planning activities to develop management plans.	2	X	

Your Organization's staff has poor (1 year experience) capacity to facilitate community management planning activities to develop management plans.	1		
Your Organization's staff has no (0 years experience) capacity to facilitate community management planning activities to develop management plans.	0		
Total	2		
8)Political will & leadership			
There is clear and effective leadership, commitment and support at both the political level, with a shared vision and capacity to achieve success.	3		
There is clear or effective leadership the political agency level, but only some limited capacity to implement the necessary strategies.	2		
The agency lacks the capacity to garner leadership, commitment and support at the political level and there is inadequate capacity to implement the necessary strategies.	1	X	Many politicians are wary of supporting environmental conservation, due in large part to the potential for controversy regarding resource tenure and ownership of land and reefs.
The agency lacks the capacity to garner leadership, commitment and support at the political levels so there is clear and effective leadership or commitment at either the political, and no shared vision or capacity for success.	0		
Total	1		
9)Clearly defined objectives			
There is a range of S.M.A.R.T.(Specific, measureable, achievable, realistic, and time bound) objectives (including ecological, social and economic objectives) defined for the MPA network and derived from the legislation;	3		
There are various objectives for the MPA network which are clear, achievable and measurable; addressing at least two of the relevant aspects in the necessary range (ie. ecological, social or economic objectives);	2	X	
There are some objectives for the MPA network; but only one or two can be considered as clear, achievable and measurable; AND your objectives do not address the necessary range (ie. ecological, social and economic objectives).	1		
There are no clear objectives for your MPA network.	0		
Total	2		
10)Permanence			
Your MPA network has the backing of an efficient combination of legislative instruments (eg statutes, laws, regulations) and administrative instruments (eg policies) at various levels (local/state/national) that collectively provide long-term protection for the MPA network and ensure its viability.	3		
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies), that collectively assist in protecting the MPA network.	2	X	Backed through traditional resource tenure rights as well as municipal ordinance.
Your MPA network has some backing by way of legislative instruments (eg statutes, laws, regulations) or administrative	1		

instruments (eg policies), but some of these may be varied by governments and/or ignored by officials.			
Your MPA network has little or no backing by way of any legislative instruments or administrative instruments, and its viability may be affected by any adverse activities occurring either within, or adjacent to, the area.	0		
Total	2		
11)Compliance & Enforcement			
A survey or other effective means indicates that over 75% of all your MPA users are aware of, understand, and comply with the regulations.	3		
Realistic estimates indicate that between 50-75% of all your MPA users are aware of, understand, and comply with the regulations.	2		
Realistic estimates indicate that between 25-50% of all your MPA users are aware of, understand, and comply with the regulations.	1	X	Although we have this data for the MPA users from Parem, we do not have it for non-residents/poachers and so is difficult to assess, therefore a 1.
Less than 25% of all your MPA users are aware of, understand, and comply with the regulations.	0		
Total	1		
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations	3		
Dedicated but uncompensated enforcement personal who actively and consistently enforcement of rules and regulations	2	X	The community members who own the reef are ideally situated to see the entire expanse of reef from their house and approach any fishing vessels to notify them of closure. They are not compensated so this is mainly on a part-time basis when they are at home.
Inconsistent enforcement of rules and regulations	1		
Few or no established rules and regulations exist or there is little or no enforcement of existing rules and regulations	0		
Total	2		
12)Adaptive management			
A MPA network decision making body regularly(at least annually) reviews and analyzes information from biological and socio-economic monitoring and or other forms of research and training as they become available and has made changes to the management of the MPA network as a result of this information	3		
A MPA network decision making body has reviewed monitoring data and other research, but has not used the information to make adaptive management decisions.	2	X	Because we have not gone through the entire adaptive management stage (implementation-review-adapt..etc) we have not been able to do

			this. Data is shared however with the community (socio-economic, biological data, workshops/trainings, etc.)
Your MPA network does not have management systems nor any monitoring arrangements to determine system responses and provide a basis for adaptive management; NOR is it able to incorporate changes such as new information becoming available. An adaptive management is in place but there is no transfer of monitoring or research information to the MPA Network decision body so that they can make adaptive management decisions.	1		
Your MPA network has effective management systems that implement policies (ie specifying locally appropriate actions), as well as monitoring arrangements to determine system responses and provide a sound basis for adaptive management. No adaptive management system is in place	0		
Total		2	
13) Institutional & governance considerations			
Your MPA network has well established mechanisms for the vertical integration between all levels of government (eg. national, state and local), and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous people and regional groups.	3		
Your MPA network has some mechanisms for the vertical integration between different levels of government, and horizontal integration among agencies with different mandates, as well as involving local communities, Indigenous peoples and regional groups.	2	X	Chuuk EPA, Agriculture and Marine Resources have been involved with the work we do from day one and are integral partners in any community activity. We have made strides with “vertical integration” with the local municipalities but need to take the next step to engage state level.
Your MPA network has some legislative and administrative arrangements, but these do not provide both effective vertical integration between different levels of government, and horizontal integration among agencies.	1		
Your MPA network has little or no mechanisms for the vertical integration between different levels of government, nor for any horizontal integration among agencies with different mandates.	0		
Total		2	
14) Connectivity			
Your MPA network has been purposefully designed to maximize all or most of the known ecological processes (spatial and/or temporal) known to occur in the area*	3		
Your MPA network was purposefully designed and does consider some of the known ecological processes (spatial and/or temporal) known to occur in the area*	2		

Your MPA network was purposefully designed and does consider a few (one or more) of the known ecological processes (spatial and/or temporal) known to occur in the area*	1	X	
The design of your MPA network took little or no account of any known ecological processes known to occur in the area	0		
Total		1	
15) Sustainable financing			
Your MPA network has a well-developed and periodically audited program of long-term funding (assessed, and if necessary, increased against a recognized financial index) in order to meet both core costs and emerging issues.	3		
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.	2		
Your MPA network has poor and spasmodic program of long-term funding to meet core costs, and is sometimes able to seek funding for emerging issues.	1	X	While CCS gets some funding to conduct community work, we could do better with pulling resources from government partners and finding sustainable funding for the community itself to provide for long-term project sustainability.
Your MPA network does not have a well-developed or periodically audited program of long-term funding.	0		
Total		1	
16) Human Resources			
Your MPA has extraordinary full-time site manager and programmatic personnel assigned to site or local community based management leader in place that has been formally designated and accepted and is able to dedicate sufficient time to the management of the site	3		
Your MPA has adequate management personnel assigned to site or some formalized community oversight	2		
Your MPA has inadequate management personnel assigned to site and/or very little formalized community oversight	1	X	While there is much community involvement, all of it is on a voluntary basis and thus no-one is fully tasked to assist CCS and partners on a full time basis.
Your MPA has no management personnel assigned to site and or no formalized community oversight	0		
Total		1	
17) Equipment capacity			
Your MPA has all necessary equipment to carry out biophysical monitoring activities and the equipment is well maintained	3		
Your MPA has most of the necessary equipment to carry out biophysical monitoring activities	2	X	Currently we do, although in a few years we may need to get additional supplies once our gear begins to wear

			down from continual use.
Your MPA has some equipment to carry out biophysical monitoring activities	1		
Your MPA has no or inadequate equipment to carry out biophysical monitoring activities	0		
Total		2	
Your MPA has all necessary equipment to carry out socio-economic monitoring activities	3	X	The only thing we lack is funding to carry out the survey.
Your MPA has most of the equipment to carry out socio-economic monitoring activities	2		
Your MPA has some equipment to carry out socio-economic monitoring activities	1		
Your MPA has no or inadequate equipment to carry out socio-economic monitoring activities	0		
Total		3	
Total Score:			
Please check off what you have and note what you need in the lines provided			
Management Planning Tools			
Community Action Planning Training		X	
Maradi (software and understanding)		X	
Climate Change Adaptation incorporated into management planning			Hopes of incorporating in the future but not feasible at the moment.
Equipment			
o Boat and fuel and budget for fuel and maintenance			Currently looking for funding for implementation of CAP.
o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, compass, tanks, compressor, dive tables, first and CRP kits, O2 kits			Yes to all except for tanks, compressor, O2 kits, first & CRP kits.
o gear maintenance plan	Yes		We have a former dive shop employee maintain dive gear.
o survey gear-tape measures, or rope, cameras and housings	Yes		For future work we would need higher resolution dive cameras to enable team to easily ID corals.
o safety gear-radios, safety sausages, noise makers, flares	Yes		We have radios & flares only.
Trainings:			
o Scuba-advanced or scientific, nitrox	No		Only open-water certification & one advanced.
o Dive planning for repetitive dives and dive tables,	Yes		
o safety	No		
o dive accident management-(where is the closest hyperbaric chamber?)	No		
o first and CRP	No		
o Oxygen administration	No		
o Identification-fish, algae and inverts, including coral(ideally to the species level)	Yes		

o Data recording	Yes	
o Data entry-excel and or access	Yes	
o Data and statistical analysis, including creating graphs	Yes	
o Comparative analysis and evaluation for comparing sites	Yes	
o Report writing and presenting results	Yes	
Enforcement Capacity (Type)		
o Community	Yes	
o Government Agency	Yes	
Enforcement needs/others:		
Enforcement training for community members & Department of Marine Resources.		This would include safety, drafting of MOU's, etc.
Legal advice for establishing legal framework for traditionally owned resources.		The main purpose for this is to establish a legal framework/legislation linking traditional resource tenure rights to the municipal and state judiciary and also to provide the Department of Marine Resources the legal mandate to patrol/enforce regulations of MPA's. (Ideally to make traditional closures "legal" or transparent under municipal & state law.)

Interpreting your score

Section	Your Score
1) Public education, communication & awareness	2
2) Socioeconomic Information	7
3) Biological Monitoring Information	6
4) Boundary	1
5) Resilience	0
6) Precautionary design	2
7) Stakeholder participation	2
8) Political will & leadership	1
9) Clearly defined objectives	2
10) Permanence	2
11) Compliance & Enforcement	3
12) Adaptive Management	2
13) Institutional & governance considerations	2
14) Connectivity	1
15) Sustainable financing	1
16) Human resources	1
17) Equipment capacity	5
Total Score	40

Sufficient capacity	Adequate capacity with conditions	Insufficient capacity
47-72	24-47	0-24

<p>Your capacity is sufficient. Your ability to monitor your MPA is sufficient considering your resources.</p>	<p>There is clearly some ability to monitor your MPA, but still plenty of room for improvement. There is a potential risk that will prevent you from carrying out your MPA monitoring considering the condition of your resources</p>	<p>You have a serious problem. Your ability to monitor your MPA is insufficient and you should seek assistance to improve your MPA monitoring capacity at the earliest time possible.</p>
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