# **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 abovementioned 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.

Agency/Organization: Yap Community Action Program (Yap CAP)	Da	Date: 02/06/2012			
Primary Contact (name, email): Vanessa Fread, freadv_yapcap@	mail	nail.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				
t	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		

		1	, ,
			to support planning and management. Training and capacity training is needed in this area.
Staff do not know how to use socio-economic monitoring	0		needed in this area.
information to support planning and management.	Total	1	
Staff was assis assnamic manitaring information for affective	3	1	
Staff use socio-economic monitoring information for effective decision-making.			
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	0		
and the staff do not know how to use the information for decision-making			
	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 discominated and used in adaptive management.	3		
disseminated and used in adaptive management.  There is an agreed and implemented monitoring program, and	2	2	Only one site (Ngulu
progress against some of the objectives of the MPA network is objectively monitored periodically, with the results publicly			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
There is some ad hoc monitoring and progress against at least one	1		program in place yet.
of the objectives of the MPA network has been monitored and/or	1		
publicly reported.			
Progress against the objectives of the MPA network is rarely	0		
monitored AND no assessment of MPA effectiveness has ever			
occurred or been reported			
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	2	2	
planning and management.			
Staff have limited knowledge of how to use biological monitoring	1		
information to support planning and management.			
Staff do not know how to use biological monitoring information	0		
base to support planning and management.	otal	2	
All available biological monitoring information is used for effective	3		
decision-making.			
There is some biological monitoring information is used for	2	2	
effective decision-making.			
There is limited biological monitoring information but it is rarely	1		
used for decision-making.	0		
There is little or no biological monitoring information base but the available information is not used for decision-making	0		
	otal	2	
All available biological monitoring information is regularly updated.	3	3	
All available biological monitoring information is sometimes	2		
updated.			
All available biological monitoring information is rarely updated.	1		
All available biological monitoring information is never updated	0		
	otal	3	
<b>4)Boundaries</b> Clearly defined (in the water and on signs/in law) boundaries and	3		
zones and information on boundary locations and permitted	)		
activities in various zones provided to public and MPA stakeholders			
Clearly defined boundaries and/or zones on signs and in law, but	2		
not in the water			
Lack of clearly defined boundaries and/or zones in the water and on	1	1	Ngulu has well defined
signs or in law			boundaries in its
			management plan, but

	,		<del>,</del>
			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
			_
	0		the signs.
No information about boundaries and zones available	0		
7	'otal	1	
5)Resilience	'otal	1	
Network is designed to increase resilience of coral reef resources to	3		
	3		
the effects of climate change and management includes actions			
necessary to avoid or minimize impacts and spread the risk due to			
climate change			
Much consideration of climate change resilience was given to the	2	2	
design or establishment of the MPA Network			
Little consideration of climate change resilience was given to the	1		
design or establishment of the MPA Network			
Agency does not have the knowledge or training to consider climate	0		
change resilience in the design or establishment of the MPA			
Network			
7	'otal	2	
6)Precautionary design			
Your MPA network is configured to take into consideration all or	3		
most of the known threats occurring within the wider area.			
Your MPA network considers several of the known threats	2	2	
occurring within the wider area.			
Your MPA network considers a couple of the known threats	1		
occurring within the wider area.			
Your agency lacks the knowledge to address known threats in MPA	0		
network design.			
	'otal	2	
	Turi		
7)Stakeholder participation	2		
Your Organization's staff has much (5 years experience) capacity to	3		
facilitate community management planning activities to develop			
management plans.			
Your Organization's staff has a little (2-3 years experience) capacity	2	2	
to facilitate community management planning activities to develop			
management plans.			
Your Organization's staff has poor (1 year experience) capacity to	1		
facilitate community management planning activities to develop			
management plans.			
Your Organization's staff has no (0 years experience) capacity to	0		
facilitate community management planning activities to develop			
management plans.		<u> </u>	
Т	otal	2	
8)Political will & leadership			
There is clear and effective leadership, commitment and support at	3		
both the political level, with a shared vision and capacity to achieve	1		
success.	1		
There is clear or effective leadership the political agency level, but	2	2	
The formal part of the formal pa	<u> </u>	·	1

only some limited capacity to implement the necessary strategies.			
The agency lacks the capacity to garner leadership, commitment	1		
and support at the political level and there is inadequate capacity to	1		
implement the necessary strategies.			
The agency lacks the capacity to garner leadership, commitment	0		
and support at the political levels so there is clear and effective	U		
leadership or commitment at either the political, and no shared			
vision or capacity for success.	P - 4 - 1	2	
9)Clearly defined objectives	otal	2	
There is a range of S.M.A.R.T.(Specific, measureable, achievable,	3		
realistic, and time bound) objectives (including ecological, social	3		
and economic objectives) defined for the MPA network and derived			
from the legislation; There are various objectives for the MPA network which are clear,	2	2	In terms of a MPA
	4	۷	
achievable and measurable; addressing at least two of the relevant			network, we are still at
aspects in the necessary range (ie. ecological, social or economic			the developmental stages
objectives);			in Yap. We have
			objectives for long term
			monitoring which we are
			already implementing,
			but need to improve our
			program/network to
The second of the second of the MDA section of the second	1		address more issues.
There are some objectives for the MPA network; but only one or	1		
two can be considered as clear, achievable and measurable; AND			
your objectives do not address the necessary range (ie. ecological,			
social and economic objectives).	0		
There are no clear objectives for your MPA network.	0 Total	2	
10)Permanence	Otal		
Your MPA network has the backing of an efficient combination of	3		
legislative instruments (eg statutes, laws, regulations) and	3		
administrative instruments (eg policies) at various levels			
(local/state/national) that collectively provide long-term protection			
I for the MDA network and encure its viability			
for the MPA network and ensure its viability.	2	2	Dagayaa wa laak
Your MPA network has some legislative instruments (eg statutes,	2	2	Because we lack
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies),	2	2	legislation supporting
Your MPA network has some legislative instruments (eg statutes,	2	2	legislation supporting the establishment of
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies),	2	2	legislation supporting the establishment of MPAs in Yap and waters
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies),	2	2	legislation supporting the establishment of MPAs in Yap and waters are privately owned,
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies),	2	2	legislation supporting the establishment of MPAs in Yap and waters are privately owned, communities are using
Your MPA network has some legislative instruments (eg statutes, laws, regulations) and/or administrative instruments (eg policies),	2	2	legislation supporting the establishment of MPAs in Yap and waters are privately owned, communities are using traditional ownership
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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	legislation supporting the establishment of MPAs in Yap and waters are privately owned, communities are using traditional ownership
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.  Your MPA network has some backing by way of legislative	2	2	legislation supporting the establishment of MPAs in Yap and waters are privately owned, communities are using traditional ownership rights to establish their
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.  Your MPA network has some backing by way of legislative instruments (eg statutes, laws, regulations) or administrative		2	legislation supporting the establishment of MPAs in Yap and waters are privately owned, communities are using traditional ownership rights to establish their
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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.  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.  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.	1	2	legislation supporting the establishment of MPAs in Yap and waters are privately owned, communities are using traditional ownership rights to establish their

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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	2	2	
users are aware of, understand, and comply with the regulations.			
Realistic estimates indicate that between 25-50% of all your MPA	1		
users are aware of, understand, and comply with the regulations.			
Less than 25% of all your MPA users are aware of, understand, and	0		
comply with the regulations.			
	Γotal	2	
Dedicated and compensated enforcement personal who actively and	3	_	
consistently enforcement of rules and regulations	3		
Dedicated but uncompensated enforcement personal who actively	2	2	
and consistently enforcement of rules and regulations	1		
Inconsistent enforcement of rules and regulations	1		
Few or no established rules and regulations exist or there is little or	0		
no enforcement of existing rules and regulations	<u> </u>	_	
	Γotal	2	
12)Adaptive management			
A MPA network decision making body regularly(at least annually)	3		
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			
A MPA network decision making body has reviewed monitoring	2	2	Not all sites are at this
data and other research, but has not used the information to make			stage yet.
adaptive management decisions.			
Your MPA network does not have management systems nor any	1		
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.			
Your MPA network has effective management systems that	0		
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			
	Γotal	2	
13)Institutional & governance considerations			
Your MPA network has well established mechanisms for the vertical	3		
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.			
Your MPA network has some mechanisms for the vertical	2	2	MPAs are community-
integration between different levels of government, and horizontal			based so the
integration among agencies with different mandates, as well as			communities are very
involving local communities, Indigenous peoples and regional			much involved and are in
groups.			control of their sites. We
			still need to improve our
			local interagency and

		1	
			organizational
			collaboration to better
			assist communities.
Your MPA network has some legislative and administrative	1		
arrangements, but these do not provide both effective vertical			
integration between different levels of government, and horizontal			
integration among agencies.			
Your MPA network has little or no mechanisms for the vertical	0		
integration between different levels of government, nor for any			
horizontal integration among agencies with different mandates.			
	Total	2	
14)Connectivity			
Your MPA network has been purposefully designed to maximize all	3		
or most of the known ecological processes (spatial and/or			
temporal) known to occur in the area*			
Your MPA network was purposefully designed and does consider	2	2	More work needs to be
some of the known ecological processes (spatial and/or temporal)	-	_	done in this area for Yap
known to occur in the area*			as a whole.
Your MPA network was purposefully designed and does consider a	1		
few (one or more) of the known ecological processes (spatial	1		
and/or temporal) known to occur in the area*			
The design of your MPA network took little or no account of any	0		
known ecological processes known to occur in the area	0		
	Total	2	
15)Sustainable financing	Total		
Your MPA network has a well-developed and periodically audited	3		
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.			
	2		
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Your MPA network has poor and spasmodic program of long-term	1	1	Me have funding for
	1	1	We have funding for
funding to meet core costs, and is sometimes able to seek funding			coral reef monitoring at
for emerging issues.			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
VMDA astronal descriptions 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	as well as secure funding.
Your MPA network does not have a well-developed or periodically	0	1	
audited program of long-term funding.	m . 1	1	
	Total	1	
16)Human Resources	+-		
Your MPA has extraordinary full-time site manager and	3	1	
programmatic personnel assigned to site or local community based		1	
management leader in place that has been formally designated and		1	
accepted and is able to dedicate sufficient time to the management		1	
of the site			
Your MPA has adequate management personnel assigned to site or	2	1	
some formalized community oversight			
Your MPA has inadequate management personnel assigned to site	1	1	Most sites are still
and/or very little formalized community oversight		1	working on this - mostly
			volunteers as well as

			1
			management
			committees. Need
			funding for site staff
Your MPA has no management personnel assigned to site and or no	0		
formalized community oversight			
, , , , , , , , , , , , , , , , , , ,	Γotal	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	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		
	Γotal	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		
	Γotal	2	
Total Sc			
Please check off what you have and note what you	need i	in the li	nes 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, companies, compressor, dive tables, first and CRP kits, 02 kits	pass,	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	?	Need training
o Oxygen administration	?	Need training
o Identification-fish, algae and inverts, including coral(ideally to the species level)	?	Have some, but need refresher for team and new members
o Data recording	X	12 2 2
o Data entry-excel and or access	X	Need more computers
o Data and statistical analysis, including creating graphs	?	Have some but need more training
o Comparative analysis and evaluation for comparing sites	?	Limited need more training
o Report writing and presenting results	?	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	?	
Enforcement needs/others:	ı	L
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

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.

Agency/Organization: CSP	Date: February 7, 2012			
Primary Contact (name, email): Eugene Joseph <a href="mailto:cspdirector@serehd.org">cspdirector@serehd.org</a>				
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			
1	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 annual transition and management			
to support planning and management. Staff have limited knowledge of how to use socio-economic	1		
	1		
monitoring information to support planning and management.	-		
Staff do not know how to use socio-economic monitoring	0		
information to support planning and management.	m . 1	_	
	Total	3	
Staff use socio-economic monitoring information for effective	3		
decision-making.			
Staff know how to use socio-economic monitoring information is	2		
used for effective decision-making.			
Staff have limited knowledge of how to use socio-economic	1	1	Lack analysis skills.
monitoring information but it is rarely used for decision-making.			
There is little or no socio-economic monitoring information base	0		
and the staff do not know how to use the information for decision-			
making			
	Total	1	
Agency is capable of conducting socio-economic monitoring and	3		
information is updated regularly.			
Agency is capable of conducting socio-economic monitoring and	2		
information is updated sometimes.			
Agency has some knowledge on conducting socio-economic	1	1	Requires outside
monitoring but information is rarely updated.			assistance on survey
San			designs.
Agency doesn't know how to conduct socio-economic monitoring	0		
and information is never updated			
	Total	1	
A good monitoring and evaluation system exists, with progress	3		
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.			
There is an agreed and implemented monitoring program, and	2		
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.			
There is some ad hoc monitoring and progress against at least one	1	1	Ad hoc fish market and
of the objectives of the MPA network has been monitored and/or	1	1	
publicly reported.			perception surveys are conducted
	0		conducted
Progress against the objectives of the MPA network is rarely	0		
monitored AND no assessment of MPA effectiveness has ever			
occurred or been reported	,	_	
Tota	1	1	
3) Biological Monitoring Information			
0. 66	-		_
Staff use available biological monitoring information to support	3		
planning and management.			1
Staff know how to use biological monitoring information to support	2	2	Good monitoring plan in
planning and management.			place.
Staff have limited knowledge of how to use biological monitoring	1		
information to support planning and management.			
Staff do not know how to use biological monitoring information	0		
base to support planning and management.			
	Total	2	
All available biological monitoring information is used for effective	3		
decision-making.			
accision making.		I	

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		9,
There is little or no biological monitoring information base but the	0		
available information is not used for decision-making	'otal	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		
	'otal	3	
4)Boundaries			
Clearly defined (in the water and on signs/in law) boundaries and zones and information on boundary locations and permitted	3	3	All MPAs have markers and buoys marking
activities in various zones provided to public and MPA stakeholders			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		
Т	'otal	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		
Т	otal	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	0		
network design.	otal	2	
	otai	Z	
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		
	otal	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	Leadership is supportive
only some limited capacity to implement the necessary strategies.		_	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		
	otal	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,	1		
social and economic objectives).	0		
There are no clear objectives for your MPA network.	0	2	
	otal	3	
10)Permanence			
Your MPA network has the backing of an efficient combination of legislative instruments (eg statutes, laws, regulations) and	3		

		1	
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,	2		
laws, regulations) and/or administrative instruments (eg policies),			
that collectively assist in protecting the MPA network.			0
Your MPA network has some backing by way of legislative	1	1	2 out of 5 local
instruments (eg statutes, laws, regulations) or administrative			governments have
instruments (eg policies), but some of these may be varied by			ordinances to support
governments and/or ignored by officials.			state-wide MPA
VMDA	0		regulations and policies.
Your MPA network has little or no backing by way of any legislative	0		
instruments or administrative instruments, and its viability may be			
affected by any adverse activities occurring either within, or			
adjacent to, the area.	Total	1	
	Total	1	
A survey or other effective means indicates that over 75% of all	3		
your MPA users are aware of, understand, and comply with the	3		
regulations.			
Realistic estimates indicate that between 50-75% of all your MPA	2	2	Users are aware that
users are aware of, understand, and comply with the regulations.			MPAs are strictly no-
abord are arrare of, anaerotana, and compry with the regulations.			take.
Realistic estimates indicate that between 25-50% of all your MPA	1		tario
users are aware of, understand, and comply with the regulations.			
Less than 25% of all your MPA users are aware of, understand, and	0		
comply with the regulations.			
	Total	2	
		2	
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations		2	
Dedicated and compensated enforcement personal who actively and		2	Deputized agency (Fish
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations	3		Deputized agency (Fish and Wildlife) are actively
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations  Dedicated but uncompensated enforcement personal who actively	3		
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations  Dedicated but uncompensated enforcement personal who actively	3		and Wildlife) are actively
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations  Dedicated but uncompensated enforcement personal who actively	3		and Wildlife) are actively working with community
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations  Dedicated but uncompensated enforcement personal who actively and consistently enforcement of rules and regulations	3		and Wildlife) are actively working with community volunteers that are
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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*  The design of your MPA network took little or no account of any known ecological processes known to occur in the area  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.  Your MPA network has an adequate program of long-term funding for emerging issues.  CSP is actively conducting fundraising efforts to support long-				
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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.  Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.  CSP is actively conducting fundraising efforts to support long-		2		
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costs and emerging issues.  Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.  CSP is actively conducting fundraising efforts to support long-				
Your MPA network has an adequate program of long-term funding for core costs and able to seek funding for emerging issues.  2	1 -			
for core costs and able to seek funding for emerging issues.  conducting fundraising efforts to support long-		<u> </u>		
efforts to support long-		2	2	
	for core costs and able to seek funding for emerging issues.			_
term monitoring				efforts to support long-
commonma				term monitoring

			<u> </u>
y was a like the second of the	-		program.
Your MPA network has poor and spasmodic program of long-term	1		
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	0		
audited program of long-term funding.	<u> </u>		
	rotal	2	
16)Human Resources			
Your MPA has extraordinary full-time site manager and	3		
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			
Your MPA has adequate management personnel assigned to site or	2	2	MPA communities are
some formalized community oversight			actively working with
			partner agencies in MPA
			management.
Your MPA has inadequate management personnel assigned to site	1		
and/or very little formalized community oversight			
Your MPA has no management personnel assigned to site and or no	0		
formalized community oversight			
Total		2	
17)Equipment capacity			
Your MPA has all necessary equipment to carry out biophysical	3	3	Monitoring team has
monitoring activities and the equipment is well maintained			adequate and necessary
			equipment to conduct
			monitoring program.
Your MPA has most of the necessary equipment to carry out	2		F
biophysical monitoring activities	-		
Your MPA has some equipment to carry out biophysical monitoring	1		
activities	1		
Your MPA has no or inadequate equipment to carry out biophysical	0		
monitoring activities			
	Γotal	3	
Your MPA has all necessary equipment to carry out socio-economic	3	3	
	3		
monitoring activities	2		
Your MPA has most of the equipment to carry out socio-economic	2		
monitoring activities	1	1	Danima ann data
Your MPA has some equipment to carry out socio-economic	1	1	Requires some data
monitoring activities			analysis and survey
Varia MDA has no on incidental acceptance of the control of the co	10		designing training.
Your MPA has no or inadequate equipment to carry out socio-	0		
economic monitoring activities	<u> </u>	1	<u> </u>
	rotal	1	1
Total Sco			
Please check off what you have and note what you r	need i	in the li	nes provided
Management Planning Tools			
Community Action Planning Training		?	
Maradi (software and understanding)		?	
Climate Change Adaptation incorporated into management planning		?	
Equipment			
o Boat and fuel and budget for fuel and maintenance		?	
5 2000 and rate and badget for rate and manifestance			

o dive gear-regulator, BCD, mask, fi	ns, snorkel, wetsuit, gloves, compass,	?	
tanks, compressor, dive tables, first			
o gear maintenance plan		?	
o survey gear-tape measures, or roj	pe, cameras and housings	?	
o safety gear-radios, safety sausage	s, noise makers, flares	?	
Trainings:		'	
o Scuba-advanced or scientific, nitr	ox	?	
o Dive planning for repetitive dives	and dive tables,	?	
o safety		?	
o dive accident management-(wher	e is the closest hyperbaric	?	
chamber?)			
o first and CRP		?	
o Oxygen administration		?	
o Identification-fish, algae and inve	rts, including coral(ideally to the	?	
species level)			
o Data recording		?	
o Data entry-excel and or access		?	
o Data and statistical analysis, inclu		?	
o Comparative analysis and evaluat	1 0	?	
o Report writing and presenting res	sults	?	
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.

Agency/Organization: Marshall Islands Marine Resources Authority	Date: 3 February 2012		
Primary Contact (name, email): Candice M. Guavis (cmguavis@s	gmail.	.com/ca	ndice@mimra.com) &
Florence T. Edwards (ftedwards@g	gmail.	com/fed	lwards@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	

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

Your MPA has all necessary equipment to carry out biophysical	3		1
monitoring activities and the equipment is well maintained	3		
Your MPA has all necessary equipment to carry out socio-economic	3		
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)	?		Not sure what this is,
5			have not been
			introduced
Climate Change Adaptation incorporated into management	X		
planning			
Equipment			
o Boat and fuel and budget for fuel and maintenance	Х		
o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, com	nass.	х	
tanks, compressor, dive tables, first and CRP kits, 02 kits	puoo,		
o gear maintenance plan	?		Need to establish one
o survey gear-tape measures, or rope, cameras and housings	Х		
o safety gear-radios, safety sausages, noise makers, flares	Х		
Trainings:			
o Scuba-advanced or scientific, nitrox	?		Needed, divers have
			Open Water certificates
o Dive planning for repetitive dives and dive tables,		?	Need training
o safety	Х		1
o dive accident management-(where is the closest hyperbaric	X		Majuro/Kwaj
chamber?)	1		Trajuro/ rrvaj
o first and CRP	?		Needed, can get
			assistance from Health
			Ministry
o Oxygen administration	?		Capacity building needed
o Identification-fish, algae and inverts, including coral(ideally to	X		More training esp on
the species level)			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,
	T _		MPA
o Government Agency	?		
Enforcement needs/others:			
Capacity building/Training on Enforcement for Community			
Members or Regional Partners can come and share their lessons			
learned and experiences.			
	1		
			+
	1	l	

## **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.

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

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

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		
<u> </u>	otal	3	
4)Boundaries	Total	3	
Clearly defined (in the water and on signs/in law) boundaries and	3		
zones and information on boundary locations and permitted	3		
activities in various zones provided to public and MPA stakeholders			
Clearly defined boundaries and/or zones on signs and in law, but	2	2	
not in the water			
Lack of clearly defined boundaries and/or zones in the water and on	1		
signs or in law	1		
No information about boundaries and zones available	0		
No linoi mation about boundaries and zones available	U		
Т	otal	2	
5)Resilience			
Network is designed to increase resilience of coral reef resources to	3		
the effects of climate change and management includes actions			
necessary to avoid or minimize impacts and spread the risk due to			
climate change			
Much consideration of climate change resilience was given to the	2	2	
design or establishment of the MPA Network			
Little consideration of climate change resilience was given to the	1		
design or establishment of the MPA Network			
Agency does not have the knowledge or training to consider climate	0		
change resilience in the design or establishment of the MPA			
Network			
7	otal	2	
6)Precautionary design			
Your MPA network is configured to take into consideration all or	3		
most of the known threats occurring within the wider area.			
Your MPA network considers several of the known threats	2		
occurring within the wider area.			
Your MPA network considers a couple of the known threats	1	1	Consideration of threats
occurring within the wider area.			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	0		
network design.			
	otal	1	
7)Stakeholder participation			
Your Organization's staff has much (5 years experience) capacity to	3		
facilitate community management planning activities to develop			
management plans.			
Your Organization's staff has a little (2-3 years experience) capacity	2		
to facilitate community management planning activities to develop			
management plans.		1	
Your Organization's staff has poor (1 year experience) capacity to	1	1	PICRC does only
facilitate community management planning activities to develop			provides information to
management plans.		1	management planning
-			but does not develop
		_	

			management plans.
Your Organization's staff has no (0 years experience) capacity to	0		G
facilitate community management planning activities to develop			
management plans.			
	otal	1	
8)Political will & leadership			
There is clear and effective leadership, commitment and support at	3		
both the political level, with a shared vision and capacity to achieve			
success.			
There is clear or effective leadershipthe political agency level, but	2	2	
only some limited capacity to implement the necessary strategies.		2	
The agency lacks the capacity to garner leadership, commitment	1		
and support at the political level and there is inadequate capacity to	1		
implement the necessary strategies.			
The agency lacks the capacity to garner leadership, commitment	0		
and support at the political levels so there is clear and effective	U		
leadership or commitment at either the political, and no shared			
vision or capacity for success.	`otal	2	
9)Clearly defined objectives	Otai		
There is a range of S.M.A.R.T.(Specific, measureable, achievable,	3		
realistic, and time bound) objectives (including ecological, social	3		
and economic objectives) defined for the MPA network and derived			
from the legislation;	2	2	
There are various objectives for the MPA network which are clear,		2	
achievable and measurable; addressing at least two of the relevant			
aspects in the necessary range (ie. ecological, social or economic			
objectives);	1		
There are some objectives for the MPA network; but only one or	1		
two can be considered as clear, achievable and measurable; AND			
your objectives do not address the necessary range (ie. ecological,			
social and economic objectives).	_		
There are no clear objectives for your MPA network.	0	2	
	otal	2	
10)Permanence Your MPA network has the backing of an efficient combination of	3	3	
	3	3	
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.			
	2		
Your MPA network has some legislative instruments (eg statutes,	2		
laws, regulations) and/or administrative instruments (eg policies),			
that collectively assist in protecting the MPA network.	1		
Your MPA network has some backing by way of legislative	1		
instruments (eg statutes, laws, regulations) or administrative			
instruments (eg policies), but some of these may be varied by			
governments and/or ignored by officials.			<del> </del>
Your MPA network has little or no backing by way of any legislative	0		
instruments or administrative instruments, and its viability may be	1		
affected by any adverse activities occurring either within, or			
adjacent to, the area.	<u> </u>	2	
	`otal	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	2	2	
users are aware of, understand, and comply with the regulations.			
Realistic estimates indicate that between 25-50% of all your MPA	1		
users are aware of, understand, and comply with the regulations.	1		
Less than 25% of all your MPA users are aware of, understand, and	0		
comply with the regulations.	U		
	otal	2	
	3		
Dedicated and compensated enforcement personal who actively and	э		
consistently enforcement of rules and regulations	2		
Dedicated but uncompensated enforcement personal who actively			
and consistently enforcement of rules and regulations	1	1	Como sitos bassomono
Inconsistent enforcement of rules and regulations	1	1	Some sites have more
			active enforcement
	0		activities than others.
Few or no established rules and regulations exist or there is little or	0		
no enforcement of existing rules and regulations	- 4 - 1	1	
	otal	1	
12)Adaptive management			m) .
A MPA network decision making body regularly(at least annually)	3	3	This occurs only at the
reviews and analyzes information from biological and socio-			site level but not to the
economic monitoring and or other forms of research and training as			same extent at the
they become available and has made changes to the management of			network level.
the MPA network as a result of this information	_		
A MPA network decision making body has reviewed monitoring	2		
data and other research, but has not used the information to make			
adaptive management decisions.			
Your MPA network does not have management systems nor any	1		
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.			
Your MPA network has effective management systems that	0		
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	. 1	2	
	otal	3	
13)Institutional & governance considerations	_	0	
Your MPA network has well established mechanisms for the vertical	3	3	
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.	2		
Your MPA network has some mechanisms for the vertical	2		
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.	1		
Your MPA network has some legislative and administrative	1		
arrangements, but these do not provide both effective vertical			

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.  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*  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*  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*  The design of your MPA network took little or no account of any known ecological processes known to occur in the area  Total 0  Style and the processes known to occur in the area  Total 0  Style and the processes known to occur in the area  Total 0  Style and the processes known to occur in the area  Total 0  Style and the processes or connectivity.  Total 0  A co			1	
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	Total		1	
Your MPA has all necessary equipment to carry out biophysical 3	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	2		
biophysical monitoring activities	-		
Your MPA has some equipment to carry out biophysical monitoring	1	1	Most sites have little or
activities	1	1	no equipment to carry
			out biophysical
			monitoring.
Your MPA has no or inadequate equipment to carry out biophysical	0		
monitoring activities			
Т	otal	1	
Your MPA has all necessary equipment to carry out socio-economic	3	3	
monitoring activities			
Your MPA has most of the equipment to carry out socio-economic	2		
monitoring activities			
Your MPA has some equipment to carry out socio-economic	1		
monitoring activities	ļ		
Your MPA has no or inadequate equipment to carry out socio-	0		
economic monitoring activities	<u> </u>	0	
	otal	3	
Total Sco		n Abalin	
Please check off what you have and note what you n All answers pertain to specific MPA sites (not			
Management Planning Tools	песе	ssarily i	TORG
Community Action Planning Training		?	1
Maradi (software and understanding)		?	
Climate Change Adaptation incorporated into management planning		?	
Equipment			
o Boat and fuel and budget for fuel and maintenance		2x	
o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, comp	nass	2x	
tanks, compressor, dive tables, first and CRP kits, 02 kits	,,		
o gear maintenance plan		?x	
o survey gear-tape measures, or rope, cameras and housings		2°x	
o safety gear-radios, safety sausages, noise makers, flares		?x	
Trainings:			1
o Scuba-advanced or scientific, nitrox		2°x	
o Dive planning for repetitive dives and dive tables,		2°x	
o safety		?x	
o dive accident management-(where is the closest hyperbaric		2x	
chamber?)			
o first and CRP		?x	
o Oxygen administration		2x	
o $$ Identification-fish, algae and inverts, including coral(ideally to the		2°x	
species level)			
o Data recording		2x	
o Data entry-excel and or access		2x	
o Data and statistical analysis, including creating graphs		2x	
o Comparative analysis and evaluation for comparing sites		2x	
o Report writing and presenting results		2°x	
Enforcement Capacity (Type)			T
<ul> <li>Community</li> </ul>		2x	
<ul> <li>Government Agency</li> <li>Enforcement needs/others:</li> </ul>		2°x	

# Capacity Assessment Report - MCT under NOAA NA11NOS4820011

Date:

## **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

Agency/Organization:

- 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.

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

All available biological monitoring information is never updated 0  4)Boundaries   Clearly defined (in the water and on signs/in law) boundaries and 2   acues and information on boundary locations and permitted activities in various zones provided to public and MPA stakeholders   Clearly defined boundaries and/or zones on signs and in law, but 2   not in the water   Lack of clearly defined boundaries and/or zones in the water and on signs or in law   No information about boundaries and/or zones in the water and on 1   signs or in law   No information about boundaries and zones available	All available biological monitoring information is rarely updated.	1		
Total   3				
4)Boundaries			3	
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  Clearly defined boundaries and/or zones on signs and in law, but on in the water  Lack of clearly defined boundaries and/or zones in the water and on signs or in law  No information about boundaries and zones available  Total  Spresilience  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  Much consideration of climate change resilience was given to the design or establishment of the MPA Network  Little consideration of climate change resilience was given to the design or establishment of the MPA Network  Agency does not have the knowledge or training to consider climate change resilience in the design or establishment of the MPA Network  Agency does not have the knowledge or training to consider climate change resilience in the design or establishment of the MPA Network  Total  6)Precautionary design  Your MPA network is configured to take into consideration all or most of the known threats occurring within the wider area.  Your MPA network considers a couple of the known threats  Your MPA network considers a couple of the known threats  Total  7)Stakeholder participation  Total  7)Our Organization's staff has much (5 years experience) capacity to facilitate community management planning activities to develop management plans.  Total  7)Stakeholder participation  Total  7		l	3	
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8)Political will & leadership  There is clear and effective leadership, commitment and support at 3				
There is clear and effective leadership, commitment and support at 3	To	otal	2	
There is clear and effective leadership, commitment and support at 3				
		3		

	1		
success.	_		
There is clear or effective leadershipthe political agency level, but	2	X	
only some limited capacity to implement the necessary strategies.			
The agency lacks the capacity to garner leadership, commitment	1		
and support at the political level and there is inadequate capacity to			
implement the necessary strategies.			
The agency lacks the capacity to garner leadership, commitment	0		
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.	<u> </u>		
	'otal	2	
9)Clearly defined objectives			
There is a range of S.M.A.R.T.(Specific, measureable, achievable,	3		
realistic, and time bound) objectives (including ecological, social			
and economic objectives) defined for the MPA network and derived			
from the legislation;			
There are various objectives for the MPA network which are clear,	2	X	
achievable and measurable; addressing at least two of the relevant			
aspects in the necessary range (ie. ecological, social or economic			
objectives);			
There are some objectives for the MPA network; but only one or	1		
two can be considered as clear, achievable and measurable; AND			
your objectives do not address the necessary range (ie. ecological,			
social and economic objectives).			
There are no clear objectives for your MPA network.	0		
Т	'otal	2	
10)Permanence			
Your MPA network has the backing of an efficient combination of	3		
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.			
Your MPA network has some legislative instruments (eg statutes,	2	X	
laws, regulations) and/or administrative instruments (eg policies),			
that collectively assist in protecting the MPA network.			
Your MPA network has some backing by way of legislative	1		
instruments (eg statutes, laws, regulations) or administrative			
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	0		
instruments or administrative instruments, and its viability may be			
affected by any adverse activities occurring either within, or			
adjacent to, the area.			
T	'otal	2	
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	2	X	
users are aware of, understand, and comply with the regulations.	-		
Realistic estimates indicate that between 25-50% of all your MPA	1		
users are aware of, understand, and comply with the regulations.	-		
Less than 25% of all your MPA users are aware of, understand, and	0		
comply with the regulations.			
COMIDIA TARII INC I CEMIMININI	1	1	İ

т	'otal	2	
	3	X	
Dedicated and compensated enforcement personal who actively and	э	Λ	
consistently enforcement of rules and regulations	2		
Dedicated but uncompensated enforcement personal who actively	2		
and consistently enforcement of rules and regulations			
Inconsistent enforcement of rules and regulations	1		
Few or no established rules and regulations exist or there is little or	0		
no enforcement of existing rules and regulations			
T	'otal	3	
12)Adaptive management			
A MPA network decision making body regularly(at least annually)	3		
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			
A MPA network decision making body has reviewed monitoring	2	X	
data and other research, but has not used the information to make	-	1	
adaptive management decisions.			
Your MPA network does not have management systems nor any	1		
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	0		
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			
	'otal	2	
13)Institutional & governance considerations			
	3		
Your MPA network has well established mechanisms for the vertical			
Your MPA network has well established mechanisms for the vertical integration between all levels of government (eg. national, state and			
integration between all levels of government (eg. national, state and			
integration between all levels of government (eg. national, state and local), and horizontal integration among agencies with different			
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	2	X	
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.  Your MPA network has some mechanisms for the vertical	2	X	
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.  Your MPA network has some mechanisms for the vertical integration between different levels of government, and horizontal	2	X	
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Your MPA network was purposefully designed and does consider	2		
some of the known ecological processes (spatial and/or temporal)			
known to occur in the area*			
Your MPA network was purposefully designed and does consider a	1		
few (one or more) of the known ecological processes (spatial	1		
and/or temporal) known to occur in the area*			
The design of your MPA network took little or no account of any	0		
known ecological processes known to occur in the area	U		
	otal	3	
15)Sustainable financing	otai	3	
Your MPA network has a well-developed and periodically audited	3		
	3		
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.	2		
Your MPA network has an adequate program of long-term funding			
for core costs and able to seek funding for emerging issues.	1	V	Does not have a well-developed
Your MPA network has poor and spasmodic program of long-term	1	X	or periodically audited
funding to meet core costs, and is sometimes able to seek funding			program
for emerging issues.			
Your MPA network does not have a well-developed or periodically	0		
audited program of long-term funding.	L_	_	
	otal	1	
16)Human Resources			
Your MPA has extraordinary full-time site manager and	3		
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			
Your MPA has adequate management personnel assigned to site or	2	X	
some formalized community oversight			
Your MPA has inadequate management personnel assigned to site	1		
and/or very little formalized community oversight			
Your MPA has no management personnel assigned to site and or no	0		
formalized community oversight			
Total		2	
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	2	X	
biophysical monitoring activities			
Your MPA has some equipment to carry out biophysical monitoring	1		
activities			
Your MPA has no or inadequate equipment to carry out biophysical	0		
monitoring activities	_		
	otal	2	
Your MPA has all necessary equipment to carry out socio-economic	3	_	
monitoring activities			
Your MPA has most of the equipment to carry out socio-economic	2	X	
monitoring activities	-	**	
Your MPA has some equipment to carry out socio-economic	1		
monitoring activities	1		
Your MPA has no or inadequate equipment to carry out socio-	0		
economic monitoring activities	0		
economic monitoring activities		l	

	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	e gear)			
Community Action Planning Training		?		
Maradi (software and understanding)		?		
Climate Change Adaptation incorporated into management planni	ing	?		
Equipment				
o Boat and fuel and budget for fuel and maintenance		?		
o dive gear-regulator, BCD, mask, fins, snorkel, wetsuit, gloves, co	ompass,	?		
tanks, compressor, dive tables, first and CPR kits, 02 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:				

## **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.

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			
t	otal	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	0			
information to support planning and management.				
	'otal	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	1		every 2 5 years.
monitoring but information is rarely updated.			
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,

Progress against the objectives of the MPA network is rarely	0		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	U		
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		
	'otal	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		
	'otal	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		
	`otal	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

No information about boundaries and zones available	0		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		
r	Γotal	1	
5)Resilience			
Network is designed to increase resilience of coral reef resources to	3		
the effects of climate change and management includes actions			
necessary to avoid or minimize impacts and spread the risk due to			
climate change		-	-
Much consideration of climate change resilience was given to the	2		
design or establishment of the MPA Network	1		
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	0		There is some knowledge
change resilience in the design or establishment of the MPA Network		X	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.
	Γotal	0	
6)Precautionary design			
Your MPA network is configured to take into consideration all or	3		
most of the known threats occurring within the wider area.		-	XAX - 1 1 12
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	1		
occurring within the wider area.	-		
Your agency lacks the knowledge to address known threats in MPA	0		
network design.	Pat-1	2	
	Γotal	2	+
7)Stakeholder participation	2	1	
Your Organization's staff has much (5 years experience) capacity to	3		
facilitate community management planning activities to develop management plans.			
Your Organization's staff has a little (2-3 years experience) capacity	2		
to facilitate community management planning activities to develop management plans.		X	

		1	
Your Organization's staff has poor (1 year experience) capacity to	1		
facilitate community management planning activities to develop			
management plans.			
Your Organization's staff has no (0 years experience) capacity to	0		
facilitate community management planning activities to develop			
management plans.			
	'otal	2	
8)Political will & leadership		_	+
There is clear and effective leadership, commitment and support at	3		
	3		
both the political level, with a shared vision and capacity to achieve			
success.	_		
There is clear or effective leadership the political agency level, but	2		
only some limited capacity to implement the necessary strategies.			_
The agency lacks the capacity to garner leadership, commitment	1	X	Many politicians are
and support at the political level and there is inadequate capacity to		Λ	wary of supporting
implement the necessary strategies.			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	0		iana ana recisi
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.			
	Γotal	1	
	lotai	1	
9)Clearly defined objectives	2		
There is a range of S.M.A.R.T.(Specific, measureable, achievable,	3		
realistic, and time bound) objectives (including ecological, social			
and economic objectives) defined for the MPA network and derived			
from the legislation;			
There are various objectives for the MPA network which are clear,	2	X	
achievable and measurable; addressing at least two of the relevant		Λ	
aspects in the necessary range (ie. ecological, social or economic			
objectives);			
There are some objectives for the MPA network; but only one or	1		
two can be considered as clear, achievable and measurable; AND			
your objectives do not address the necessary range (ie. ecological,			
social and economic objectives).			
There are no clear objectives for your MPA network.	0		
	Γotal	2	
10)Permanence	- Jui		†
Your MPA network has the backing of an efficient combination of	3		+
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.	1_		<del>  _ , , ,                              </del>
Your MPA network has some legislative instruments (eg statutes,	2	X	Backed through
laws, regulations) and/or administrative instruments (eg policies),		Λ	traditional resource
that collectively assist in protecting the MPA network.			tenure rights as well as
			municipal ordinance.
Your MPA network has some backing by way of legislative	1		
instruments (eg statutes, laws, regulations) or administrative			
·	-		

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	l		
	3		
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	2		
users are aware of, understand, and comply with the regulations.			
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	0		
comply with the regulations.			
	Total	1	
Dedicated and compensated enforcement personal who actively and consistently enforcement of rules and regulations			
Dedicated but uncompensated enforcement personal who actively	2	~~	The community
and consistently enforcement of rules and regulations		X	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		
Four on no actablished rules and negulations swint on those is little	0		
Few or no established rules and regulations exist or there is little or	0		
no enforcement of existing rules and regulations			
	Total	2	
12)Adaptive management			
A MPA network decision making body regularly(at least annually)	3		
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			
A MPA network decision making body has reviewed monitoring	2	77	Because we have not
data and other research, but has not used the information to make adaptive management decisions.		X	gone through the entire adaptive management stage (implementation- review-adaptetc) 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	1		
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.			
Your MPA network has effective management systems that	0		
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			
	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.			
Your MPA network has some mechanisms for the vertical	2	X	Chuuk EPA, Agriculture
integration between different levels of government, and horizontal		Λ	and Marine Resources
integration among agencies with different mandates, as well as			have been involved with
involving local communities, Indigenous peoples and regional			the work we do from day
groups.			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	1		ciigage state ievel.
arrangements, but these do not provide both effective vertical	1		
integration between different levels of government, and horizontal			
_	1		
T INTEGRATION AMONG AGENCIES			
integration among agencies.  Your MPA network has little or no mechanisms for the vertical	0		
Your MPA network has little or no mechanisms for the vertical	0		
Your MPA network has little or no mechanisms for the vertical integration between different levels of government, nor for any	0		
Your MPA network has little or no mechanisms for the vertical		2	
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	
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.  14)Connectivity		2	
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.  14)Connectivity  Your MPA network has been purposefully designed to maximize all	Total	2	
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.  14)Connectivity	Total	2	
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.  14)Connectivity  Your MPA network has been purposefully designed to maximize all or most of the known ecological processes (spatial and/or	Total	2	
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.  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*	Total 3	2	

Your MPA network was purposefully designed and does consider a few (one or more) of the known ecological processes (spatial	1	X	
and/or temporal) known to occur in the area*			
The design of your MPA network took little or no account of any	0		
known ecological processes known to occur in the area			
	Total	1	
15)Sustainable financing			
Your MPA network has a well-developed and periodically audited	3		
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.			
Your MPA network has an adequate program of long-term funding	2		
for core costs and able to seek funding for emerging issues.			
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	0		p- 1,000 00000000000000000000000000000000
audited program of long-term funding.			
	Total	1	
16)Human Resources			
Your MPA has extraordinary full-time site manager and	3		
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			
Your MPA has adequate management personnel assigned to site or	2		
some formalized community oversight			
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	0		
formalized community oversight			
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	X	Currently we do, although in a few years we may need to get additional supplies once our gear begins to wear

		1	down from continual use.
Your MPA has some equipment to carry out biophysical monitoring	1		down from continual use.
activities	1		
Your MPA has no or inadequate equipment to carry out biophysical	0		
monitoring activities			
-	'otal	2	
Your MPA has all necessary equipment to carry out socio-economic	3		The only thing we lack is
monitoring activities		X	funding to carry out the
			survey.
Your MPA has most of the equipment to carry out socio-economic	2		
monitoring activities			
Your MPA has some equipment to carry out socio-economic	1		
monitoring activities			
Your MPA has no or inadequate equipment to carry out socio-	0		
economic monitoring activities			
	'otal	3	
Total Sco			
Please check off what you have and note what you n	eed i	n the lin	ies 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			<u></u>
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, comp	ass,		Yes to all except for
tanks, compressor, dive tables, first and CRP kits, 02 kits			tanks, compressor, 02
		37	kits, first & CRP kits.
o gear maintenance plan		Yes	We have a former dive
			shop employee maintain
a gumray good tang maggurag on yong gamanag and hayaings		Yes	dive gear. For future work we
o survey gear-tape measures, or rope, cameras and housings		res	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	· <u> </u>	No	
chamber?)			
o first and CRP		No	
o Oxygen administration		No	
o Identification-fish, algae and inverts, including coral(ideally to the		Yes	
species level)			

o Data recording		Yes	
o Data entry-excel and or access	Data entry-excel and or access		
o Data and statistical analysis, inclu	uding creating graphs	Yes	
o Comparative analysis and evaluat	tion for comparing sites	Yes	
o Report writing and presenting re-	sults	Yes	
Enforcement Capacity (Type)			
<ul> <li>Community</li> </ul>		Yes	
o Government Agency		Yes	
Enforcement needs/others:		1	
Enforcement training for community members & Department of Marine Resources.		of MOU's	,
Legal advice for establishing legal framework for traditionally owned resources.		establish framework tradition to the mingular partmethe legal patrol/eight MPA's. (I closures	n purpose for this is to a legal ork/legislation linking sal resource tenure rights unicipal and state and also to provide the sent of Marine Resources mandate to inforce regulations of ideally to make traditional "legal" or transparent unicipal & 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

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