



Federated States of Micronesia

Ridge to Reef Project (R2R)

2nd Quarter Report –FY2019



Table of Contents

1. Introduction.....	1
1.1 National Government.....	1
2. Implementation Progress	3
Table 1: Progress Report Matrix.....	3
2.1 Kosrae State	6
2.2 Pohnpei State	8
2.5 Chuuk State.....	10
2.9 Yap State.....	12
3. Budget	14
4. Summary	15
5. Annexes	16
Annex 1: Steering Committee Meeting Minutes	
Annex 2: Compost Shed Completion Report.....	
Annex 3: Piwisi Island Clean Up.....	
Annex 4: World Environment Day in Kosrae	

1. Introduction

1.1 National Government Quarter 4 Activities

- **SEA Phase 2**

Following the SEA workshop in March 2019, the report was drafted in April and submitted to UNDP for review and approval. In addition, the Pohnpei State Coordinator and the Technical Coordinator, supported by the lead consultant for the SEA, participated in the International Association for Impact Assessments (IAIA) annual conference from April 27th – May 3rd to present on the SEA work in Pohnpei State. Following the conference, the Pohnpei SEA team completed pending tasks for the SEA report and IEMP and submitted to UNDP in June for consideration. Next steps include strengthening the IEMP (i.e. work plan and M&E component) and for Pohnpei EPA to operationalize the plan later in the year.

- **FSM Protected Areas Network (PAN) Framework**

The FSM National Protected Area Network (PAN) Framework Policy and Country Strategy have been endorsed as well as State PAN policies, with the exception of the Yap State PAN legislation which is currently undergoing a 30-day public comment period. The overarching challenge remains that the FSM PAN has yet to be operationalized. The Department of R&D is currently engaging with MCT, R2R, The Nature Conservancy (TNC), State Governments and partners to operationalize the PAN. First step includes forming a Technical Review Committee and developing an Operations Manual. In its effort to help drive the PAN process, the R2R project will be funding the development of the operations manual. The Micronesia Conservation Trust (MCT), through a separate grant, will facilitate the recruitment of State PAN Coordinators to support implementation of the FSM PAN in collaboration with the States.

- **Communications Plan**

For Quarter 2, in recognition of the capacity limitations of the recently hired Communications and Knowledge Management Officer (CKMO), coupled with lack of availability from the PIU team dedicated to the completion of the strategy, a recommendation was made through the project Mid Term Review (MTR) to bring on board an expert to assist the project in finalizing the plan. As such, PIU is awaiting the final report of the MTR to determine best way forward. Should hiring of an expert be agreed upon, process will work with UNDP to facilitate the recruitment process.

- **Capacity Development Strategy**

Similar to the Communications Plan, the development of an overall Capacity Development Strategy for the project was delayed due to lack of a dedicated individual from the PIU to oversee the completion of the plan. This setback is anticipated to be addressed through the recruitment of a Chief Technical Advisory (CTA) responsible for providing ongoing technical support to the project, including provision of support to project tasks outside the capacity constraints of the project team.

- **Project Mid Term Review**

On April 3-18, 2019, the project undertook its mid year review. The purpose of the evaluation was to provide an independent external view of the progress of the project at its approximate mid-point, and to provide feedback and recommendations to UNDP, project stakeholders in the four States and the GEF-RA, with the aim of contributing toward strengthening the project and ensuring it follows the most direct route to achieve its objectives and outcomes at completion. The assessment

included desk top review of project reports, consultations with key stakeholders at National and State levels and site visits to in all four States. The final report is soon to be finalized.

- **R2R Steering Committee Meeting**

In Quarter 2, the project held a Steering Committee meeting to review and seek guidance on the preliminary findings of the MTR. The meeting was held at the UN Joint Presence office with 4 members of the SC and a representative from UNDP, key partner agencies in Pohnpei State (the Conservation Society of Pohnpei and the Division of Fish and Wildlife) and the project team. For more information on the meeting, refer to Annex 1.

2. Implementation Progress at State Level

Table 1: Progress Report Matrix for 1st Quarter Activities

Unlikely complete on schedule	Behind schedule and ongoing	On track and ongoing	Completed behind schedule	Completed on schedule	Completed ahead of schedule	Cancelled
Outputs	Kosrae	Pohnpei	Chuuk	Yap		
Outcome 1: Integrated ecosystems management and rehabilitation on the High Islands of the FSM to enhance R2R connectivity						
1.1 Four Integrated Land Management Plans are developed and implemented for the High Islands of the FSM		Recruit State Expert to Draft ILMP				
1.2 Institutions with sectoral responsibilities for the development and conservation of the High Islands, together with relevant CSOs and community partners, are capacitated for coordinated action at the wider landscape on SLM.		Revive Pohnpei Resource Management Committee to identify and prioritize 3 SLM activities				
1.3 Additional finances for SLM investments secured & existing contributions to the environment sector to support SLM practices are aligned		Develop a Work Plan for Resource Economist				
1.4 Management and rehabilitation of critical ecosystems implemented to enhance the connectivity, reduce erosion, improve water quantity	Conduct community awareness and outreach on the Sanitary Pig Pen Regulation	Construct 4 DLPs in Pehleng	Nefo Forest Project launch, coordination facilitation, mentoring and close out	Construction of Compost Shed and Equipment Shed		
			Rehabilitation of the Nefo Forest area to enhance R2R connectivity			
	Farmers promotional program on conversion of regular		Hiring of 2 interns for the rehabilitation of Nefo Forest	Strengthening Yap’s R2R vein (stream bank restoration/erosion control)		
	Construct and convert potential piggeries into the DLP		Facilitate a baseline forest survey and inventory for the Nefo Forest			
	Rehabilitation of Merremia Peltata Infested Areas (upland forests) for Agroforestry/Intercropping		Facilitate a monitoring and evaluating training for the Nefo Forest Area			
	Rehabilitation of Mangrove Forests		Development of the Nefo tree planting campaign	Restoration of upland watershed areas and wetlands		

and quality to reduce coastal erosion	Rehabilitation of Wetlands	Rehabilitation of two degraded coastal ecosystems	Mangrove Forest Assessment	Dry Litter Piggeries in Dachngar
	Conduct Tree planting for Eroded Coastal Areas		Moratorium on sale of mangroves	
			Engage communities for clean ups	
			Promote sustainable solid waste management practices	
			Rehabilitation of 2 Mangrove Forest Sites	
			Construction of Pilot DLPs	

Outputs	Kosrae	Pohnpei	Chuuk	Yap
Outcome 2: Management Effectiveness enhanced within new and existing PAs (marine and terrestrial) on the High Islands of the FSM as part of the R2R approach				
2.1 National and State level PAN legal institutional frameworks have been established to improve management effectiveness of PAs	Allocate 10,000 USD to support the start-up of a PA fund bill		Awareness Education on PAN Law	Development of Yap PAN Criteria to support PA management decision support system
			Tol Areas of Biodiversity Significance (ABS) Review and Status Analysis	
2.2 The PAN of the High Islands has been expanded, and existing & new PAs have been secured through review & upgrading of legal protection status	Finalize and enact Walung and Malem MPA through the PA legislation	Facilitate participatory awareness on Watershed Forest Reserve in Nett Municipality	Verification of Existing PAs and Gazzeting of 1 New Protected Area	PAN Review, Enhancement and Expansion
		Develop a Demarcation Action Plan for the Nett Watershed Forest Reserve		
	Gazetting of the Awane Marine Protected Area	Procure Demarcation Materials for Nett Watershed Forest Reserve	Establish PAN Fund through consultations, agreed on MOU by stakeholders, and engaging interns	
	Establishment of Monitoring Sites for Awane and Walung MPAs	Delineate Watershed boundaries in Kitti Municipality		
		Facilitation of Partarticipatory awareness activities with Peniou communities		
		Designation of Awak Watershed Basin through PA Legislation		
2.3 Management authorities (States and communities) of newly established PAs are equipped and capacitated in managing PAs	Conduct training for PA management authorities and stakeholders to use MPA Management Effectiveness (MPAME) Tools	Conduct Watershed baseline ecological surveys for newly demarcated boundaries	Conduct socio economic survey on fisheries stock and benefits	Bird Survey for Yap Monarch, Micronesian Pigeon & Fruit Bats
	Conduct initial assessment of Walung MPA using the MPAME tool	Develop Fisheries Management Plan for Sokehs Municipality	Coral Reef Monitoring	

	Re-evaluate management effectiveness of the UBR and Tafunsak MPA using MPAME tool			
2.4 Effective site and cross site level PA management practices promoted in new and existing PAs	Conduct consultation meetings for Walung and Tafunsak Community-based Ecosystem Approach to Fisheries Management (CEAFM)			Assist Gachpar to develop an MPA management plan and review and update an existing community MPA plan
	Support ongoing Coastal Fisheries Management Campaign in the State of Kosrae			
	Conduct MPA management planning activities in the Awane MPA community			Conduct community awareness and outreach on PAs with communities for potential new PA sites
	Conduct sea cucumber and trochus stock assessment in PAs around Kosrae coastal waters			
	Revisit and update KCET Action Plan			Conduct community consultations with two communities to revise their management plans
	Participate in annual enforcement training course			
	2 PA Rangers			Management Effectiveness determined and best practices promoted in PAs
	Coral Reef Monitoring			

2.1 Kosrae State

Output 1.4

- Achievements/Shortfalls

Indirectly, awareness and outreach on the Sanitary Pig Pen Regulation for Quarter 2 was held with the Kosrae Women in Farming in April 2019 through a collaboration between the Nature Conservancy, the US Natural Resource Conservation Service (NRCS) and the R2R project. The effort included a workshop on the Portable Dry Litter Piggery and Composting as solutions to help reduce environmental impacts caused by pig farming using regular piggeries. During the training, participants visited the R2R portable dry-litter piggery located at KIRMA. The outcome of the workshop include 8 new portable dry litter piggeries constructed and operated by several of the women who participated in the workshop.

Furthermore, the construction of Dry Litter Piggeries is still ongoing in Kosrae. In Quarter 2, additional materials and supplies were procured by the project and transported to the selected sites for construction. Further developments to be provided in Quarter 3.

In April 2019, KIRMA's Forestry and Invasive Unit conducted an assessment on mangroves and the wetlands in Kosrae to determine critical areas for rehabilitation. The assessment identified several merremia peltata-invested sites for rehabilitation, however, with the recent conclusion of the project MTR, a recommendation was made to cut back on invasive related activities as the upcoming GEF6 project will be focused on addressing invasive species. Therefore, until the MTR finalizes and the key recommendations are addressed by the PIU and UNDP, the project can only focus on rehabilitation measures that do not include eradication of alien species.

- Adaptive Measures Identified to Address Issues

PIU to work with UNDP to finalize and share recommendations of the MTR to the States so project partners are aware of any changes to their activities. In addition, the PIU to work closely with KIRMA in refining the sites for rehabilitation so project can execute rehabilitation activities immediately.

Output 2.1

- Achievements/Shortfalls

A draft regulation for the PA fund is now available, however, still requires further review by all stakeholders. Until the PA regulation is endorsed by the Kosrae State Legislature and a board is established to oversee the fund, the 10K to be supported by the project to kick-start the fund cannot be released.

- Adaptive Measures Identified to Address Issues

This has been a long overdue project activity since 2017. PIU to initiate a formal discussion with KIRMA to determine what continues to hold up the draft regulation from finalizing and identify potential solutions moving forward.

Output 2.2

- Achievements/Shortfalls

On May 14, 2019, the Division of Fisheries and Marine Resources, Department of Resources and Economic Affairs (DREA) carried out a survey for Walung's Community-based Ecosystem Approach to Fisheries Management (CEAFM) with 70 participants from the age of 18 and above. The purpose of the survey is to determine the final MPA site for the community. Out of the 70 participants, majority (31) voted yes on the newly proposed MPA site. The survey results have been incorporated in the draft CEAFM plan and provided to the community. The draft will be used for the inclusion process for Walung. For Awane, project is still working closely with the Kosrae Conservation and Safety Organization (KCSO) to complete the final steps before the community endorses the plan and undergoes the inclusion process.

- **Adaptive Measures Identified to Address Issues**

Project is currently following up with stakeholders on the plans. Once endorsed by the communities, KIRMA will take over the legislation process by introducing them to the Kosrae State Legislation for consideration and inclusion under the Kosrae State Protected Area System (KPAS) Law. Furthermore, once both sites are included under the KPAS Law, an initial assessment will be conducted to determine monitoring sites for both MPAs.

Output 2.3

- **Achievements/Shortfalls**

Following a discussion with the TAC in Quarter 2, the following activities have been selected for termination: (1) training for PA management authorities and stakeholders on the use of the MPA Management Effectiveness Tool; (2) Initial assessment of Walung MPA using the tool; (3) re-evaluation of Tafunsak MPA; and (4) support ongoing fisheries management campaign in Kosrae. This decision came after the TAC raised that majority of the aforementioned activities have been completed through other funding sources, and that priority of the R2R fund should be given to those lacking funding support.

Output 2.4

- **Achievements/Shortfalls**

Following lessons learned from the Walung CEAFM planning and consultations, the R2R project team is now targeting to replicate the same effort in Tafunsak once the community confirms its first consultation dates. The management planning activities in Awane are close to completion, with one consultation remaining to be conducted by KCSO before the community endorses the plan. Furthermore, the trochus stock assessment, scheduled for execution in June 2019, was delayed due to bad weather conditions.

All other activities proposed for the Kosrae Conservation and Environment Taskforce (KCET) are behind schedule. A meeting was held in May 2019 to determine an appropriate time for all members to regroup and update its Action Plan as well as plan a workshop aimed at training members on Kosrae's environmental laws and regulations. Since then, no further developments have been made.

The recruitment of 2 PA rangers is currently ongoing through the PIU. The recruitment process is anticipated to conclude by July 2019. Due to bad weather, no coral reef monitoring was conducted in Kosrae in Quarter 2.

- Adaptive Measures Identified to Address Issues

Securing consultation dates with communities and partners continues to be an ongoing challenge for the project in all the four States. Project to immediately schedule a meeting with the TAC to discuss and address issues with (1) first CEA FM planning and consultation meeting with the Tafunsak community; (2) last consultation for Awane community; and (3) revision of KCET's action plan and its enforcement training.

Project hopes that the weather conditions improve for the month of July to allow for the trochus assessment and the coral reef monitoring activities in Kosrae.

2.2 Pohnpei

Output 1.1

- Achievements/Shortfalls

Outstanding tasks under the SEA and IEMP for Pohnpei State extended through the 2nd Quarter with emphasis on fulfilling data gaps required. A list of tasks was jointly prepared by the SEA core team members (International Consultant, Project Technical Coordinator and Pohnpei State Coordinator) for which work followed. The tasks range from desktop research, editing/incorporating texts to reports, revising resource and geographical maps, conducting workshops to complete diagrams, stakeholder analysis to track down existing support documents from partners, etc. Roughly 90% of the work required has completed, with remaining tasks including finalizing of the IEMP before endorsement by the government as legal documents to guide sustainable development in Pohnpei State.

After several attempts to revive Pohnpei State's Resource Management Committee, partners in Pohnpei have agreed to discontinue the effort until the administration changes beginning in 2020. A few months remain for the current administration until the election, therefore, commitment towards environment/conservation efforts is no longer a priority.

Furthermore, through the SEA process, it became evident that an economic analysis (i.e. value/cost benefit analysis of coral dredging versus quarrying) will be useful to further inform potential economic growth scenarios for the State. Since the R2R project calls for the same economic analysis through the Making the Case (MTC), it was suggested that such assessment will put on hold to avoid duplication of activities.

- Adaptive Measures Identified to Address Issues

A few data gaps and incomplete tasks remain and are currently being addressed by the Project Technical and State Coordinator for Pohnpei State. The economic analysis work resume after the recommendations of the MTR are finalized and next steps will be determined during the project planning exercise following the mid-term review.

Output 1.4

- Achievements/Shortfalls

The construction of DLPs in Pehleng was delayed beginning in Quarter 1 due to Pohnpei's sole provider of sand ceasing its sale to the public. This affected construction activities in Pohnpei

State. After several months of undertaking the licensing process from EPA, a new vendor for sand is now available. Hence, the DLPs are expected to pick up again.

Progress on the rehabilitation of 2 degraded sites in Pohnpei State include indication of the sites to be restored. Through a meeting between with the Conservation Society of Pohnpei (CSP), the Environmental Protection Agency (EPA) and R2R, the decision was made to include rehabilitation as part of the demarcation of the Kitti Watershed. The project will target degraded areas within the boundaries of watershed forest reserve with consideration to adjacent private plots. The major setback is due to insufficient capacity within the Division of Natural Resource Management under Pohnpei State Department of Resources and Development.

- **Adaptive Measures Identified to Address Issues**

Due to capacity limitations within the Division of Natural Resources Management, the Pohnpei State TAC has agreed to defer the lead role for the project's rehabilitation activities to the Conservation Society of Pohnpei. A TOR (aimed for completion in July) is currently being developed to combine the demarcation of Kitti's Watershed with rehabilitation for implementation by CSP.

Output 2.2

- **Achievements/Shortfalls**

A planning meeting targeting to resume the construction of DLP's in Pehleng is scheduled for the week of 8-12, July 2019 although a date is yet to be confirmed. The main objective of the meeting will be to discuss and finalize remaining materials to be procured through the project before construction reconvenes.

Efforts to progress activities in relation to (1) awareness, procurement of equipment and delineation of the Nett Watershed; (2) facilitation of participatory awareness in Peniou communities; and (3) designation of the Awak Watershed Basin through PA legislation were altered by Pohnpei State's priority to complete the SEA and IEMP reports.

Progress on the demarcation of the Kitti Watershed is include development of a TOR for a planned contract to be tendered to CSP to carry out the demarcation work. This was stalled due to the last minute request to incorporate rehabilitation into CSP's contract.

- **Adaptive Measures Identified to Address Issues**

The main focus for the upcoming Quarter 3 will be to finalize and execute the contract between the project and CSP on the demarcation and rehabilitation of degraded sites within the Kitti Watershed forest reserve. A planning meeting is scheduled to follow through to prepare the team for the demarcation and restoration work.

Project also plans to revisit key members from Peniou, Awak and relevant government agencies to plan out a course of action as a way forward to progressing the establishment of Peniou as an MPA and designation of the Awake basin through PA legislation. While it is a challenge to push State Legislature for the designation of these sites through Public Law, the team plans to conduct public consultations and private meetings with State Legislature, namely members of Standing Committee for Resources and Development, to garner further support to these project initiatives.

Due to capacity constraints, project will partner with CSP to complete the pending activities for the Kitti Watershed before moving on to the Nett. In the meantime, awareness and outreach activities through the Nett District Government will continue to leverage support from the local government and traditional leadership on the demarcation of the Nett Watershed boundaries.

Output 2.3

- Achievements/Shortfalls

The watershed baseline ecological surveys for newly demarcated boundaries, although delayed will accompany the demarcation activities to be conducted by CSP for the Kitti Watershed. Furthermore, the proposed development of a fisheries management plan for Sokehs will no longer continue due to Pohnpei State's priority this fiscal year on completion of the long overdue demarcation activities in the Kitti and Nett watersheds.

- Adaptive Measures Identified to Address Issues

Project to prioritize execution of CSP's service contract and ensure the watershed baseline ecological survey is incorporated for implementation.

2.3 Chuuk

Output 1.4

- Achievements/Shortfalls

On April 22, 2019, two coordinators were brought on board to assist the Chuuk Women's Council (CWC) in the rehabilitation of the Nefo Forest in Chuuk. Since then, a work plan for the rehabilitation team has been drafted and is currently being reviewed by the PIU. An MOU between CWC and the landowners for the work to be implemented in Nefo. The agreement has been reviewed by the project and resubmitted to CWC for further revision before endorsement. In addition, a TOR for a Steering Committee to guide the rehabilitation work has been drafted and currently being reviewed by CWC and the PIU before approval. All documents are expected to finalize once CWC has addressed PIU's comments.

Due to continuous delays from the lead agency (CRE), the mangrove assessment, moratorium on sales of mangroves, rehabilitation of two mangrove sites and promotion of solid waste management have all been reassigned to the Department of Agriculture (DOA) for implementation. However, the agreement is yet to be finalized pending discussions with PIU, CRE and DOA. CRE has a clean record for implementing project activities, whereas previous experience with DOA shows capacity limitation as a major challenge. Therefore, there is a need for project to engage in discussions with both CRE and DOA before formalizing any agreements.

In Quarter 1, DOA facilitated a preliminary assessment for the site identified to pilot Dry Litter Piggeries in Chuuk. The plan was to conduct a physical assessment, followed by water quality test to determine the presence of *ecoli* within the site. To date, no water quality assessment has been conducted to support the assessment. Multiple attempts have been made by the project for Chuuk's Environmental Protection Agency (EPA) to conduct the water test, all of which have failed due lack of will to cooperate.

- Adaptive Measures Identified to Address Issues

A teleconference between the PIU and CWC is scheduled for July 8, 2019 to address PIU's comments on (1) MOU between CWC and the land owners; (2) TOR for the SC to oversee and provide strategic guidance to the the rehabilitation work. The discussion will also include an agreed date to finalize the MOU and the SC, as well as the work plan for the Nefo Coordinators.

Discussions with CRE have been initiated by the PIU although no date has been set for a formal discussion due to parties being engaged in preparations for the upcoming MIF. The plan is to have initial discussions with CRE to identify the causes of delays and propose solutions. Should CRE be unavailable/unwilling, project will reassign to DOA and identify another IP for support to fill the capacity gap.

EPA's lack of cooperation stems from Chuuk's decision in mid 2017 to assign the Chuuk Department of Marine Resources (DMR) as the new focal point for the project in Chuuk. A teleconference is being scheduled for the PIU with the Chairman of Chuuk's TAC to determine what other options are available for Chuuk in terms of water testing. Until a water test is conducted to support DOA's initial assessment of the DLP site, constructions of DLPs cannot take place.

Output 2.1

- Achievements/Shortfalls

In June 2019, the R2R Project Coordinator for Chuuk met with staff from the Micronesia Conservation Trust (MCT) to discuss the PAN awareness activities funded by the R2R project. It was confirmed that on July 1, 2019, the new PAN Coordinator will be on board to oversee all PAN related activities in Chuuk. Beginning July, all R2R PAN funded activities will be implemented by the PAN Coordinator with support from the R2R Coordinator.

Following months of delays, a schedule for the the Area of Biological Significance (ABS) review has been set for July 17-19, 2019 with PIU making necessary arrangements for the trip. Three (3) staff from the Chuuk Conservation Society (CCS) will lead the 3-day assessment in Winipot on the island of Tol, Chuuk.

- Adaptive Measures Identified to Address Issues

As agreed between the project and MCT, R2R will cover the awareness and outreach of the PAN at the community while MCT focuses on the leadership level. Progress on the PAN activities to be provided in Quarter 3.

Output 2.2

- Achievements/Shortfalls

In Quarter 2, partners in Chuuk drafted an appropriation bill for review and endorsement by the Chuuk State Legislature. The purpose of the bill was to support the establishment of Chuuk's PA Fund. The bill, however, did not include details of how the fund will be utilized therefore was not approved and is pending project's follow up actions from the project on Chuuk Legislature's recommendations. Furthermore, while verification of existing PAs completed through the midterm review, gazetting of a new protected area still remains.

- Adaptive Measures Identified to Address Issues

Project to seek assistance from the Governor's Office in Chuuk on an executive order allowing the bill to be drafted through legislature. In addition, project is currently working DMR and CCS to obtain MOUs and other written agreements on between landowners, State and Municipal Governments to allow recognition of the new PAs as established sites under the Chuuk PAN law.

Output 2.3

- Achievements/Shortfalls

Delays in the implementation of the socio-economic survey due to the upcoming MIF in Chuuk has resulted in the project taking lead on the planning work to minimize further setback. This includes a meeting with the Socio Economic (SE) Coordinator which resulted in an agreement that the survey would be conducted post the ABS review scheduled for July.

The project coral reef monitoring efforts in Chuuk, initially scheduled for completion by end of Quarter 2, was postpone to allow the participation of scientists from the United Kingdom (UK) and the University of Guam (UOG). The sudden change in schedule was unforeseen due to previous coral reef monitoring activities being held between the months of April and June.

- Adaptive Measures Identified to Address Issues

Project to collaborate with the Socio Economic (SE) Coordinator to continue the planning work. Furthermore, PIU to follow up with the Coordinator on how the project can also assist with planning and other tasks required. The project's coral reef monitoring is a month-long program and is scheduled to run from July until the first week of August 2019.

Yap

Output 1.4

- Achievements/Shortfalls

The construction of the Division of Agriculture and Forestry's (DAF) compost and equipment shed was completed on April 26, 2019. The completion report is attached as Annex 2. Furthermore, the project's effort to restore stream banks in Yap is still ongoing, although delayed. The community of Okaw within the Municipality of Weloy has been identified by DAF as the pilot site. The actual installment of the project's gabion wire mesh equipment is yet to commence due to delays in completion of the restoration work terms of reference. The TOR has been provided to the PIU for review and is pending the following (1) agreement between the community leaders on the size of the stream bank to be restored; and (2) revision of the TOR based on comments from the PIU. Planning for restoration of upland watersheds and wetlands is ongoing in Yap for two sites: Weloy and Tamil. Currently, there is ongoing work on the TOR for the restoration work in the Weloy Watershed. Draft of the TOR including a work plans have been provided to the PIU for further review. While the development of a TOR for the rehabilitation work in the Tamil Watershed is yet to be drafted, a work plan has been completed. Final versions of all the aforementioned key documents will be provided in the next progress report.

Additionally, In Quarter 2 the project completed a household survey in the Danchngar area (DLP site in Yap) to establish the baseline data for households with piggeries within the project site. Following the survey were outreach activities to (1) increase awareness in the community on the impacts of pig waste on water quality; and (2) leverage buy-in from community members to the

Dry Litter Piggery method. Given the size of DAF's pigpen and its location being within the project site, project will be converting DAF's pigpen (largest pigpen within the site) and utilizing it as a demonstration site for DLPs. Support from the project will include construction of a compost bin given this is the only component from the DLP design that DAF's piggery lacks. This will be followed by a Dry Litter training for stakeholders in Quarter 4.

- Adaptive Measures Identified to Address Issues

PIU to work with DAF in setting a date to finalize its TOR for the stream bank restoration in Okaw.

Output 2.2

- Achievements/Shortfalls

The YAP PAN regulation has yet to be approved by the Yap State Government, due to the change in leadership. This means previous efforts made to leverage support from the previous administration will reboot to garner the support of the current leadership in passing the legislation.

- Adaptive Measures Identified to Address Issues

The focal point for PAN in Yap is the Department of Resources and Development (R&D). R&D, in collaboration with State partner agencies and NGOs, is currently working with the Attorney General's office to review and advise on the PAN legislation before presenting back to the Governor for his consideration. If sanctioned, the legislation will be announced for 30 days to the public the opportunity to dispute the regulations prior to its endorsement.

Output 2.2

- Achievements/Shortfalls

Similar to Output 2.1, deliverables under 2.2 have been delayed due to the setback in the endorsement of Yap's PAN regulation. Without a regulation in place to guide the management of Yap's PAN, project activities in support of expanding Yap's PAN cannot progress.

- Adaptive Measures Identified to Address Issues

Project to engage with R&D to ascertain how project can assist in leveraging support from the leadership on the endorsement of the PAN legislation.

Output 2.3

- Achievements/Shortfalls

Development of a TOR for the bird survey in Yap is currently ongoing and spearheaded by the PIU. The concept note has been developed, however, because of the MTR, there was a delay in finalizing the methodology to be used, potential dates, and converting the model into a TOR format. Until the MTR finalizes and key recommendations become clear, the development of the TOR cannot finalize.

- Adaptive Measures Identified to Address Issues

Mr. Mark O'brien from the Birdlife International, who is currently providing technical assistance to the project on the development of the TOR, is working on adjustments to the concept and methodology to accommodate any potential changes pending results of the MTR. Project to continue liaising with UNDP to finalize the MTR in order to finalize the bird survey TOR.

Output 2.4

- Achievements/Shortfalls

In Quarter 2, Dr. Reed Perkins led a group of students from the Queens University of Charlotte, North Carolina, on a mission aimed to assist Yap State Government departments/agencies, NGOs and communities with GIS-mapping needs for on-going projects. In collaboration with the State Coordinator, a map of Gachpar was produced by the students to support the development of its management plan. In addition, the map for Tamil's MMA was refined through some overlay work to indicate the no-take zone on the southern part of the PA. The adjustments will be incorporated into Tamil's management plan which is up for revision.

Community awareness and outreach on PAs are currently being led by the project Marine Aid Technicians and Evaluators (MATEs), based with the Yap Community Action Program (YapCAP). The focal point for Riken has been engaged to plan out and schedule a date for awareness activities to be conducted by the resource management team (consisting of YapCAP, R2R and R&D's Division of Marine Resources Management) within the community.

The project efforts to revise at least 2 management plans, although delayed, are also ongoing. The target site, Tamil, is currently undertaking a socio-economic survey through MCT. Upon the completion and analysis of the survey results, the R2R project with technical support from TNC, will support and lead the revision process aimed to identify what needs to be updated and revised within the management plan. The survey result is expected to become available by September 2019

Due to delays in the official endorsement of the Yap State PAN regulation, project efforts of promoting best practices of PA management (which includes supporting the PAN Coordinator in facilitating 2 MPAME tool trainings for community MPAs) have been delayed. These activities were proposed under the assumption that the PAN Coordinator would be hired beginning 2019. However, with the delay of the approval of the PAN legislation, the PAN Coordinator cannot be hired.

- Adaptive Measures Identified to Address Issues

Project to begin planning process for the revision of Tamil's management plan while the survey results are being analyzed. Furthermore, project to discuss with R&D on how the project can support in driving the PAN process in Yap.

3. Budget

The proposed budget for Quarter 3 of the FSM Ridge to Reef Project Fiscal Year 2019 is USD 263,800. This proposed budget is as stipulated in the project Annual Work Plan for implementation of Quarter 3 activities. It does not reflect the budget for delayed activities from previous quarters and those shifted from 2018, albeit the following table is inclusive of both Quarter 3 activities and those continuing on from prior quarters.

National	Kosrae	Pohnpei	Chuuk	Yap
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National & State Consultation (<i>to address recommendations of the MTR</i>)	Rehabilitation of Mangrove Forests	Rehabilitation of At Least 2 Degraded Critical Ecosystems	Rehabilitation of 2 Mangrove Forest Sites	Restoration of upland watersheds area and wetlands
RSD Retreat in Suva	Rehabilitation of Wetlands	Facilitation of participatory awareness with Peniou communities	Construction of Pilot DLPs	Dry Litter Piggeries
Regional Project Steering Committee Meeting in Nadi	Tree planting for eroded coastal areas	Designation of Awak Watershed Basin through PA Legislation	Verification of Existing PAs and Gazzeting of New Protected Area)	Development of Yap PAN Criteria to support PA management decision support system
TAC Meetings	Gazzeting of the Awane Marine Protected Area	TAC Meetings	Conduct Socio Economic Survey on Fisheries Stock and Benefits	PAN Review, enhancement and expansion
	Establishment of monitoring sites for Walung		Coral Reef Monitoring	Bird Survey for Yap Monarch, Micronesian Pigeon & Fruit Bats
	Coral Reef Monitoring		TAC Meetings	Management Effectiveness determined and best practices promoted in PAs
	Dracula Oceania population survey			TAC Meetings
	TAC Meetings			

4. Summary

The highlights of Quarter 2 include recruitment of 2 coordinators to facilitate the project's restoration activities in Nefo (Chuuk) and the endorsement of an MOU between the landowners and CWC for the rehabilitation work to be conducted, a beach clean up for Pisiwi Island in Chuuk (refer to Annex 3), observation of World Environment Day in Kosrae (Annex 4), development of GIS maps for community MPAs in Yap, construction of a compost and equipment shed for Yap and completion of the Project Midterm Review.

While the project's goal for the upcoming Quarter 3 will be to complete ongoing activities as well as address the challenges of delayed activities, the main priority is to finalize the MTR and address its key recommendations to determine which activities to prioritize and which to eliminate to ensure the project meets its goal given the remaining timeframe for implementation.